

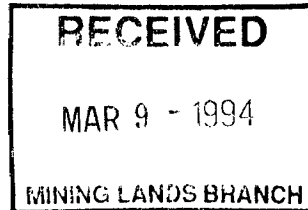


31M13SE9700 2.15337 PENSE

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2. 15337

Proton Magnetic & Horizontal Loop Electromagnetic
Survey Reports
Pense Township (Map 566)
North and South Grids
Larder Lake Mining Division
District of Temiskaming, Ontario
NTS 31M/13



November 20, 1993

Acad. # : 63.2370



31M13SE9700 2.15337 PENSE

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Pense Township (Map 566)
 North and South Grids
 Proton Magnetic and Horizontal Loop Electromagnetic Survey Reports
 Larder Lake Mining Division
 District of Temiskaming, Ontario
 NTS 31M/13

Property and Ownership

The surveyed property consists of 17 unpatented mining claims registered in the name of G.J. Gereghy of Copper Cliff, Ont., one leased claim owned by T & H Resources Ltd. of Toronto, Ont., and portions of 9 claim blocks registered in the name of Tyranex Gold Inc., also of Toronto, Ont.

When the above survey work was done Tyranex Gold Inc. had a working option on the Gereghy and T & H Resources mining claims.

Claim, and claim block numbers with their respective description of land parcel coverage by lot and concession are listed:

NORTH GRID

Pense twp.	L. 1076182	- SE 1/4 of S 1/2	Lot 8,	Con. V	Gereghy
" "	L. 1076183	- NE 1/4 of S 1/2	Lot 8,	Con. V	"
" "	L. 1076184	- NW 1/4 of S 1/2	Lot 9,	Con. V	"
" "	L. 1076185	- NE 1/4 of N 1/2	Lot 8,	Con. IV	"
" "	L. 1076186	- NW 1/4 of N 1/2	Lot 9,	Con. IV	"
" "	L. 1076187	- NE 1/4 of N 1/2	Lot 9,	Con. IV	"
" "	L. 1076188	- SE 1/4 of S 1/2	Lot 9,	Con. V	"
" "	L. 1076189	- NE 1/4 of S 1/2	Lot 9,	Con. V	"
" "	L. 1076190	- NW 1/4 of S 1/2	Lot 10,	Con. V	"
" "	L. 1076191	- SW 1/4 of S 1/2	Lot 10,	Con. V	"
" "	L. 1076192	- NW 1/4 of N 1/2	Lot 10,	Con. IV	"
" "	L. 1076195	- SE 1/4 of S 1/2	Lot 10,	Con. V	"
" "	L. 1076196	- NE 1/4 of S 1/2	Lot 10,	Con. V	"
" "	L. 1076197	- SW 1/4 of N 1/2	Lot 10,	Con. V	"
" "	L. 1076198	- SE 1/4 of N 1/2	Lot 9,	Con. V	"
" "	L. 1076199	- SW 1/4 of N 1/2	Lot 9,	Con. V	"
" "	L. 1117786	- SE 1/4 of N 1/2	Lot 10,	Con. V	"

Page...2 North Grid continued

Pense Twp.	L. 104660 (leased)	SW 1/4 of S 1/2	Lot 9,	Con. V	T & H Res.
" "	CB. 1182426	N 1/2 of	Lot 8,	Con. V	Tyranax Gold
" "	CB. 1182427	N 1/2 of N 1/2	Lot 9,	Con. V	" "
" "	CB. 1182429	NE 1/4 of N 1/2	Lot 10,	Con. 1V	" "
	also	N 1/2 of N 1/2	Lot 11	Con. 1V	" "
Pense Twp.	CB. 1182430	S 1/2 of N 1/2	Lot 10	Con. 1V	" "
	also	S 1/2 of	Lot 10,	Con. 1V	" "
	and	S 1/2 of N 1/2	Lot 11,	Con. 1V	" "
	and	S 1/2 of N 1/2	Lot 11,	Con. 1V	" "
Pense Twp .	CB. 1182431	SE 1/4 of N 1/2	Lot 8,	Con. 1V	" "
	also	S 1/2 of N 1/2	Lot 9,	Con. 1V	" "
Pense Twp	CB. 1182432	W 1/2 of S 1/2	Lot 8,	Con. V	" "
	also	W 1/2 of N 1/2	Lot 8,	Con. 1V	" "

Note: remaining parts of C.B. 1182432 do not have any grid coverage.

SOUTH GRID-

Pense Twp.	C.B. 1182435	whole lots 8 & 9	Con. 11	Tyranax Gold
" "	C.B. 1182443	whole lots 6 & 7	Con. 111	" "
" "	C.B. 1182444	N 1/2 Lots 6 & 7	Con. 11	" "

Location and Access:

The center of the North grid is at 47° 49' latitude and 79° 32' 30" longitude, The property is fifteen miles due east of Englehart, Ontario. Summer access is as follows: two miles north of Hilliardton on Highway #569 then eastward along the common borders of Ingram - Hilliard and Pense-Brethour Townships for a distance of 4 miles on gravelled road. Then north for one mile along Pense Lot 2 - Lot 3 line, and one mile eastward along Concession 1 - Con. 2 line to Broderick's abandoned farm house. A tractor road leads from Broderick's northeastward into the center of the North grid a distance of 3 1/2 miles.

Winter access to the North grid is also via highway #569 for 2 3/4 miles due east of Tomustown then continuing eastward for 4 3/4 miles along the common boundary of Concessions 111 and 1V to the Otterskin Creek in Pense Township. Snow machine access is then necessary following old logging roads in a northeasterly direction for approximately 1 1/4 miles then due eastward across a vast marsh a distance of 1 1/4 miles into the west part of the grid. Once in the grid several branching roads lead east, north and south providing good access to much of the gridded area.

Page 3... South Grid

The South grid is centered at 47° 46' latitude 79° 33' longitude. Winter access via snow machine is possible from the previously described tractor road striking northeastward from Broderick's farm. Roughly 1 1/4 miles from Broderick's a branching road crosses the Pontleroy River to the south then strikes ESE into the southwest corner of the south grid, a distance of about one mile from the river crossing.

Summer access in dry weather is possible by 4 x 4 truck from a concession road in northern Brethour Township. This road can be followed eastward along the common boundary of concessions V & VI to a point one half mile west of the eastern border of Brethour Twp. where a north-south striking, road can be followed northward for 2 1/2 miles to the southeast part of the south grid.

During Tyranax's winter exploration program in 1993 the summer access road from Broderick's was bulldozed and allowed to freeze solid, thereafter, it was possible to drive 4 x 4 trucks into the North grid to carry out line cutting and chaining, geophysical surveying and diamond drilling.

Both North and South grids have been superimposed on their respective claims/claim blocks on a recent copy of the Pense Township claim map and is included herewith. The North grid is in the Imperial measurement system while the South grid is metric.

Terrain (North Grid)

Except for a long high ridge near the west side of the North grid striking NNE - SSW the north half of the grid is relatively flat. The south half of this survey area is gently rolling with steep sided ravines some with associated creeks trending northeast or southeast flowing eastward into the Pontleroy River. Some of these creeks have been dammed by beaver creating sizeable ponds thus providing an ample source of water for winter drilling. Drainage in the north half of this grid is more subtle but it can be stated that from the center of the grid creeks flow westward in the west half into the vast marsh area and creeks flow southeastward in the east half dumping into the Pontleroy River.

Terrain (South Grid)

This grid area covers a broad valley with high rock exposed hills on both the north and south sides. The Pontleroy River meanders through the northern half of the grid flowing southwestward. A great amount of sediment has accumulated in this valley evident in diamond drill hole TP #3 where 212 feet of sand, clay and gravel were intersected at a 65° angle.

As one approaches the river, particularly from the south side, many steep sided ravines make winter travel miserable. These ravines have a general northwest strike direction some with small associated creeks.

Page 4...

Previous Work (North Grid) Highlights of all recorded assessment work done in Pense Township are summarized in "Geology of the Englehart - Earlton Area" by H. L. Lovell - 1977see Pense Township pages 12 & 13.

Reconnaissance geophysical survey work and prospecting were carried out by the writer within the subject claim area from 1969-71, and six diamond drill holes were cored within the North grid.

Fluxgate magnetometer survey work was filed on part of the North grid in January and December 1990. A VLF electromagnetic survey was also filed in 1990 covering the same claim area.

Geological mapping was filed for assessment work credits in 1991.

In June 1992 gravity and vertical loop electromagnetic survey work, covering only a small portion of the area previously surveyed magnetically, were also filed for work credits.

Previous Work (South Grid)

The nearest recorded exploration work was conducted roughly one mile northeastward along geological strike where Dominion Gulf filed a magnetometer survey in 1954.

Emile Verrier drilled a number of packsack diamond drill holes on a mineralized showing on the east side of the Pontleroy River in the late 1950's. Talisman Mines acquired Verrier's claims and staked 18 adjoining claims which were subsequently surveyed magnetically and electromagnetically covering part of the Dominion Gulf claim area.

During the years 1969-70 Rio Tinto Canadian filed magnetic and horizontal loop electromagnetic surveys and also 3 diamond drill holes on part of the area held previously by Talisman Mines.

In May of 1992 Geotrex conducted a combined airborne magnetic & electromagnetic survey over Tyrax's entire claim holdings in Pense Township.

A number of strong A.E.M. responses remain to be delineated and assessed by ground surveys particularly in the area of the "Shortt - Verrier" showings.

Grid Line Cutting (North Grid)

Original grid cutting and chaining was done by Glen Mc Bride of New Liskeard, Ontario in 1989 and 90 and did not require re-cutting.

Larry Salo of Connaught, Ontario was contracted by Tyrax to cut fill-in lines and extend the grid westward and northward into their newly acquired claim blocks.

Page 5... Grid Line Cutting (North Grid) continued

A total of 13.11 miles of grid lines and 0.64 mile of base and control lines were cut and chained during the period January 25 through February 23, 1993

Grid Line Cutting (South Grid)

Line cutting began February 24th. and was completed February 26,1993.

A total of 7 Kilometers of grid line and 0.6 Km. of base line were cut and chained.

Objective magnetometer survey

The main purpose of the magnetic survey was to outline basic and ultrabasic rock types containing disseminated magnetic minerals such as magnetite and/or pyrrhotite, and also to locate sulphide concentrations with high pyrrhotite content in areas covered with overburden.

Since a large part of the North grid had been surveyed with a fluxgate magnetometer during a two year time span it was considered necessary to re-survey all lines with the more accurate proton magnetometer.

Magnetometer Survey Procedure

The instrument used is a GEM proton magnetometer which measures the earth's total field intensity to an accuracy of 1 gamma when used with the sensor staff in a weak to moderate gradient magnetic field. This hand held magnetometer has a world wide range of from 20,000 to 90,000 gammas. When taking a reading no levelling or special orientation are required; the operator simply presses a switch on the top of the instrument and obtains a 5 digit numeric display readout directly in gammas.

Magnetic base reference stations were established along the 92N base line commencing in a magnetic background area at 22W. Stations were read as quickly as possible, travelling either east or west along the 92N for a 20 minute time period, then these same stations were re-read returning to the starting point. Assuming very little diurnal change (<10 gammas) these stations values would be averaged and retained as future base station reference points. As the magnetic survey progressed northward it was necessary to establish more convenient base station reference points along the 124N tie-line thus avoiding too much time lapse between tie-ins. These base stations were also referenced to base stations on 92N base line.

Magnetometer readings were taken at 25 foot intervals along all 200 foot spaced grid lines from 82N to 112N and from 12W to 44W several 400 foot spaced lines were also read at 25 foot spacings to determine if any magnetic features would be missed should the reading spacing be increased to 50 feet. It was decided that 50 foot spaced readings were quite sufficient for this survey.

Page 6...

During the course of the survey magnetic diurnal/ drift variations were determined by starting from, and checking into base stations at time intervals not exceeding two hours. Changes in base station magnetic values were then applied as progressive corrections distributed throughout the tie-in time intervals. Using this correction method all magnetic readings are made relative to the first reading taken at 22W.

Magnetometer Survey Procedure (South Grid)

Magnetic base reference stations were established along 00 base line starting from 1+00E where the magnetic value is near background intensity. The same procedure as that used in the North grid was applied here.

Magnetometer readings were taken at 12.5 metre intervals along the 100 metre spaced grid lines.

Magnetic Survey Results (North Grid)

Magnetic survey results are contoured at intervals of 20, 200, 2000 nT on a single plan drawn on scale of 1:2400. Corrected magnetic readings are plotted numerically at each station location. A legend at the right lower corner of this plan explains the plotting of the magnetics and electromagnetic axes.

Broad positive magnetic anomalies of moderate and uniform intensity from +300 to +2000 gammas above magnetic background, form a continuous east-west trending magnetic zone in the southern part of the grid. These magnetic anomalies continue southward off the grid, however, that section surveyed along the northern flank of this broad zone exceeds 1600 feet in width at the eastern end of the grid in claims L 1076195 and CB 1182429. As this zone is traced westward it bulges northward in claims L 1076191 and L 1076188, then narrows in claims L 1076186 and CB 1182431, only to blossom out and fold northward forming a large uniform magnetic anomaly in the western part of the grid in claims CB 1182432 and CB 1182431 measuring 3200 feet in width.

Immediately north of the broad anomalous magnetic zone described above are two parallel, positive magnetic anomalies with varying magnetic intensities from +200 to +3000 gammas. As these narrow anomalies are traced along strike from east to west their distances from the previously described broad magnetic zone varies from 400 to 700 feet north, to 900 to 1200 feet north respectively. These parallel anomalies occur in claim L 1076195 on the east and in claims L 1076182 and L 1076183 on the west, a strike distance of 4200 feet.

Page 7...

A third magnetic zone, 400 to 600 feet in width and 5000 feet in length, was outlined in claims L 1076196, L 1117786, L 1076190, L 1076197, L 1076198 and L 1076199. The eastern half of this magnetic zone is comprised of a number of small spotted magnetic anomalies varying in intensity from +200 to +1100 gammas. One sizeable bedrock exposure has been mapped in this area so perhaps these spotted magnetic anomalies are a reflection of near surface magnetic bedrock. The western half of the above magnetic zone is quite interesting. It is arcuate in shape, *uniform in intensity varying from +200 to +900 gammas, dipping southward in the central section and plunging southwestward at the west end.* The eastern part of this magnetic feature folds abruptly southward between lines 16W & 18W. Both vertical loop and horizontal loop electromagnetic conductors conform with the aforementioned abrupt magnetic fold.

In the northwest part of CB 1182426 and the northeast corner of CB 1182432 a weak positive, north-south striking, magnetic anomaly can be traced nearly 3,000 feet. This anomaly may be caused by a weakly magnetic Matachewan diabase dike.

Magnetic Survey Results (South Grid)

Because of exposed Pontiac sedimentary rocks in the south part of this small grid, and the magnetic basic and ultra basic rocks encountered in drill hole TP #3, it becomes quite easy to explain the magnetics in this grid area. The north half of the grid covers the southern flank of a broad magnetic zone striking ENE - WSW. This zone varies in intensity from 1000 to 1800 gammas and is known to be composed of a variable suite of basic and ultrabasic rock types including a magnetic diabase dike. The south half of the grid is of background magnetic intensity and is known to be underlain by non magnetic sedimentary rocks.

Objective of the Max Min HLEM Survey

The electromagnetic survey was done to outline ground conductors that might be caused by mineralized sulphide zones, graphitic zones, fault zones, or any combination of the three potential conductors.

Horizontal Loop Electromagnetic Survey (Procedure)

The equipment used is an Apex "MaxMin 11" VHEM unit which can be used in either the vertical or horizontal mode. This particular survey utilizes only the horizontal mode measuring three of five available frequencies. Essentially, this is a battery operated portable oscillator delivering alternating signal to a horizontal transmitting coil. The primary electromagnetic field produced by the transmitter produces secondary fields in nearby conductive bodies. The horizontal receiving coil is read at a fixed distance from the transmitter. A connecting cable feeds a reference signal from the transmitter to the compensator at the receiver. The receiving coil detects the component of the resultant of the two fields. The in-phase and out-of-phase components are then read directly on the compensator as percentages of the primary field strength. The length of the coupling cable to be used is determined by the suspected depth of overburden and/or water.

Page 8...

The survey procedure is known as an "in-line" method where the transmitter and receiver advance simultaneously along the same grid line, at a fixed separation, perpendicular to the geologic strike direction.

During the North grid electromagnetic survey all Max Min readings were taken at 100 foot station intervals and three frequencies were recorded: 444, 888, and 3555 cycles. Reference cable lengths used in the North Grid were 400 feet in length used in areas of shallow overburden, and 600 feet used in the south and west parts of the grid where deep overburden is suspected. The South grid was surveyed using a 150 metre reference cable and readings were taken at 25 metre station intervals. Frequencies read at each station were also 444, 888 and 3555 cycles and both in and out-of-phase readings were manually recorded.

HLEM readings are plotted on a single plan for each grid area on a scale of 1:2400.

In and out out-of-phase values are plotted numerically and in profile form, for all three frequencies read and each frequency can be observed by the density of the line used to represent it: see the plotting legend at the lower right hand corner of the respective grid plan for an explanation of the plotting procedure used.

The classification of ground conductivity is done using the 888 frequency only. A grading of ground conductors ranging from 1 to 5 is used with "1" representing excellent conductivity and "5" being very poor. These grading numbers are arrived at by comparing field strength values and the ratios of in-phase to out-of-phase readings.

Electromagnetic Survey Results (North Grid)

A total of 5 conductors were outlined by this survey work.

In the southeast part of the grid, in claims L. 1076195, L. 1076191, and L. 1076188, a good conductive zone has been delineated over an east-west strike length of 2600 feet. This zone is not directly associated with any positive magnetic anomaly. Diamond drill hole #13 proved this conductor to be primarily a graphitic source.

In the west central part of the grid two parallel HLEM conductors occur within 275 feet of one another, striking WNW - ESE in claims L. 104660 and L. 1076184. The more northern conductor was outlined over 600 feet of strike distance while the southern conductor is roughly 1000 feet in length. These medium strength conductors are directly related to positive magnetic anomalies and both have been drill tested. The conductors are caused mainly by sulphide mineralization, pyrite, pyrrhotite and minor chalcopyrite.

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Electromagnetic Survey Results (North Grid)
(continued)

Near the eastern boundary of the grid, in claim L 1076196, there is a strong HLEM conductive zone in excess of 1200 feet in length, striking NW - SE and continuing with excellent conductivity southeastward out of the grid area.

This conductor has a hit and miss association with weak positive magnetic anomalies.

A diamond drill hole cored by Canadian Nickel in the late 1960's is believed to have tested this conductor just east of the grid and explains the conductivity as a graphitic source with minor sulphides.

In claims L 1076197 and L 1076198 there is a 1,000 foot long medium strength HLEM conductor, arcuate in shape, which strikes southwestward in the west half and southward at the eastern end. This conductor is known to continue at least another 1400 feet westward from previously conducted vertical loop EM work carried out by the writer. There is a very definite, broad, positive magnetic anomaly associated with this HLEM conductor.

Diamond drill hole #16 explains this conductive zone as graphitic tuff with minor pyrite, pyrrhotite and chalcopyrite.

Electromagnetic Survey Results (South Grid)

A poor HLEM conductor was traced 6,000 metres WSW - ENE along the southern flank of the broad magnetic zone mapped in the South grid.

Diamond drill hole TP #3 did not provide a definite explanation for this weak conductivity, however, the only plausible source is the brecciated contact of the ultramafic and sedimentary rocks

Survey Data

The magnetic surveys in both grid areas were carried out by G.J. Gereghty. The North grid was surveyed during the period February 23 through to March 9, 1993. The South grid was surveyed on February 27 & 28, 1993.

Page 10... Survey Data continued

Horizontal loop E.M. survey work in both grid areas was conducted by Ted Lang of Copper Cliff, Ontario and Dave Recoskie of Timmins, Ontario. G. Gereghty supervised these electromagnetic surveys which were carried out during the following dates:-

North Grid - February 23 to 26 th. inclusive.
and March 1 to 5th. inclusive.

South Grid - February 27,28, 1993.

All of the above survey personnel lived at the North Star Motel in Eugehart travelling daily to and from work in Pense Township with a Tilden rental 4 x 4 truck. Travel time was approximately two hours per day.

Survey instruments used for the above work were rented as follows:

GEMProton magnetometer rented from JoAnne Salo.
Max Min 11 HLEM unit rented from Apex Parametrics Ltd.

Survey Coverage (North Grid)
Magnetic Survey 53 kilometres
HLEM Survey 26 Kilometres

Survey Coverage (South Grid)
Magnetic Survey 7 kilometres
HLEM Survey 7 kilometres

Interpretation North Grid

Broad magnetic anomalies in the southern part of the grid are caused by basic and ultra basic rock types containing disseminated magnetite.

Anomalies along the northern periphery of the above mentioned broad anomalies are believed caused by pods of magnetic sulphides and minor magnetite within basic rocks.

Linear magnetic anomalies in the central part of the claim block area known to be caused by magnetic sulphides with associated pyrite, sphalerite, chalcopyrite, with minor gold and silver.

The main magnetic anomaly in the northern part of the grid is due to basic volcanic rocks with magnetic sulphides also containing sphalerite and minor chalcopyrite with anomalous gold.

HLEM conductors outlined are all explained by conductive graphitic zones with minor, and sometimes major, amounts of sulphides.

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Interpretation (South Grid)

The broad anomalous magnetic zone outlined is caused by disseminated magnetite in basic and ultrabasic rock types.

The weak HLEM conductor traced can only be accounted for by weak conductivity at the brecciated contact of sedimentary and ultrabasic rocks.

Conclusion

Both geophysical surveys carried out were effective in locating and delineating anomalous zones. The horizontal loop E.M. survey is being hindered by conductive overburden (varved clays).

The author knows from having done vertical loop E.M. work on this grid that the HLEM conductors are all extendable using vertical loop electromagnetic equipment.

Recommendation

More diamond drilling is required in the North grid. A drill hole should be cored on either side of old DDH # 16 where a short 3.4% zinc intersection occurred in felsic volcanics. This anomalous magnetic zone exhibits some very interesting structural folding conformable with the conductivity.

One short drill hole should test the contorted magnetic zone eastward along strike from where most of the drilling has been done to date.

Gerald J. Gereghty
Gerald J Gereghty 63.2370
November 20, 1993



Ontario



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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

March 21, 1994

Our File: 2.15337
Transaction #: W9480.00104

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

Dear Sir/Madam:

**Subject: APPROVAL OF ASSESSMENT WORK CREDITS ON MINING CLAIMS
1076183 ET AL IN PENSE TOWNSHIP**

The assessment work credits for Geophysics filed under Section 14 of the Mining Act Regulations have been approved as outlined in the original submission.

The approval date is March 18, 1994.

If you have any questions regarding this correspondence, please contact Lucille Jerome at (705) 670-5855.

Yours sincerely,

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

KR/jl

Enclosures:

cc: Resident Geologist
Cobalt, Ontario

~~Assessment Files Library~~
Toronto, Ontario

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number
W 9480-00104

2.15337

Personal 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) GERALD GERECHTY (ITCK) F&H RESOURCES (Hd)		Client No. 135937
Address P.O. Box 19 / 10 GODFREY DRIVE, COPPER CLIFF		Telephone No. (705) 682-4704
Mining Division LARDER LAKE	Township/Area PENSE TWP.	M or G Plan No. G-3698
Dates Work Performed From: JAN. 25/93		To: MAR. 9/93

Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	GROUND E.M. (MAX-MIN.) and MAGNETIC SURVEYS
<input type="checkbox"/> Physical Work, Including Drilling	* [allowable work is 17/18 of total assessment credit]
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

RECEIVED
 MAR 9 - 1994
 MINING LANDS BRANCH

Total Assessment Work Claimed on the Attached Statement of Costs \$ **9,545.**

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
GERALD J. GERECHTY	AS ABOVE

(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 Jan. 4/94	Recorded Holder or Agent (Signature) <i>Douglas Hunter</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
A. DOUGLAS HUNTER, RR 2 MILLBROOK, ONT. L0A 1G0

Telephone No. (705) 932-3130	Date Jan. 4/94	Certified By (Signature) <i>Douglas Hunter</i>
--	--------------------------	---

For Office Use Only

Total Value Cr. Recorded \$8545.	Date Recorded Feb 22/94	Mining Recorder <i>acting</i> Ray J. Stoll	Received Stamp RECEIVED LARDER LAKE MINING DIVISION FEB 22 1994 E/S
	Deemed Approval Date May 23/94	Date Approved	
	Date Notice for Amendments Sent		

Claim Number (see Note 2)	Number of Claim Units
1076183 ✓	1
1076182 ✓	1
1076185 ✓	1
1076186 ✓	1
1076192 ✓	1
1076184 ✓	1
1076199 ✓	1
1076198 ✓	1
1076189 ✓	1
1076188 ✓	1
1076187 ✓	1
1076191 ✓	1
1076190 ✓	1
1076197 ✓	1
1117786 ✓	1
1076196 ✓	1
1076195 ✓	1
17	

2.15337

Total Number of Claims

Value of Assessment Work Done on this Claim	Value Applied to this Claim
502.64	502.64
"	"
"	"
"	"
"	"
"	"
"	"
"	"
"	"
"	"
"	"
"	"
"	"
"	"
"	"
"	"
"	"
"	"
"	"
"	"
"	"
8,544.94	8,544.94

Total Value Work Done

Total Value Work Applied

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date

Total Assigned From

Total Reserve

RECEIVED
MAR 9 - 1994
MINING LANDS BRANCH

* Credit is claimed for 17/18 of total value of work done.

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 <i>Douglas H. Harts</i>
	Date <i>Jan. 9 1994</i>

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

2.15337

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	\$ 6,900	
	Field Supervision Supervision sur le terrain		6,900 ⁰⁰
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type OFFICE	355 ⁶⁹	
			355 ⁶⁹
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type MAX. MIN II		
	and PRUTON		
	MAGNETOMETER	284 ³²	284 ³²
Total Direct Costs Total des coûts directs			7,540 ⁰¹

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 AUTO	820 ⁷⁴	
	RENTALS		
	GAS	169 ⁰⁰	
Food and Lodging Nourriture et hébergement		2555 ⁹⁶	
Mobilization and Demobilization Mobilisation et démobilisation			3545 ⁶⁶
Sub Total of Indirect Costs Total partiel des coûts indirects			3545 ⁶⁶
Amount Allowable (not exceeding 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			1508 ⁰⁰
Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs)			9048 ⁰¹

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.

Billing Discounts

Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.

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

Total Value of Assessment Credit	Total Assessment Claimed
	x 0.50 =

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.

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

Valeur totale du crédit d'évaluation	Evaluation 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 Agent for Tyrone Gold I am authorized
(Recorded Holder, Agent, Position in Company)

make this certification

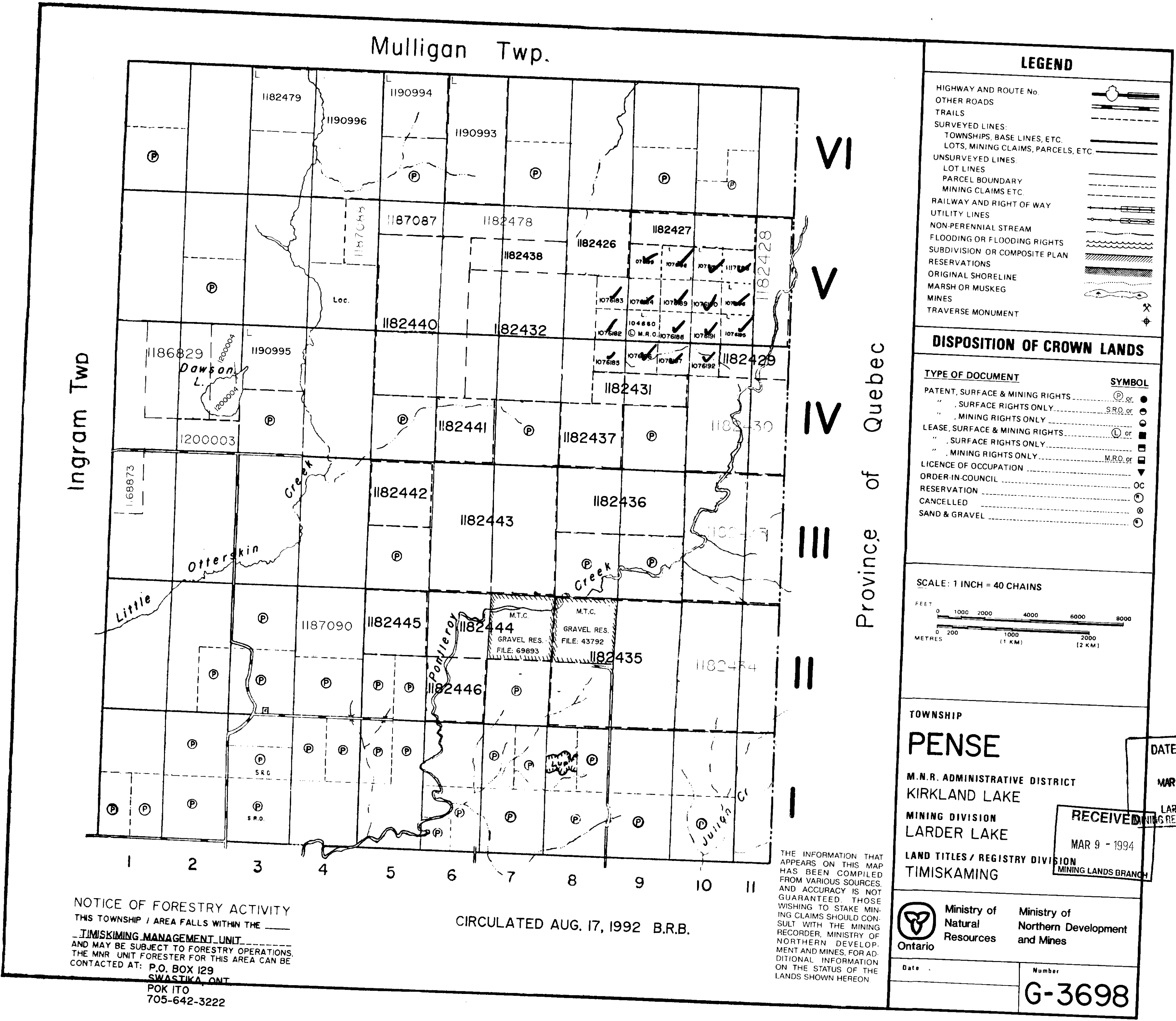
Attestation de l'état des coûts

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 _____ je suis autorisé
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature <u>Douglas Ant...</u>	Date Jan. 4/94.
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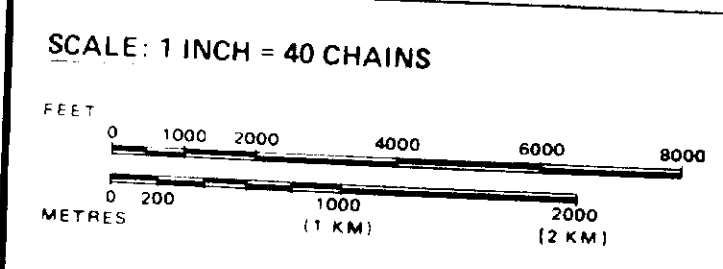


LEGEND

- 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 MUSKOG
- 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	
RESERVATION	
CANCELLED	
SAND & GRAVEL	



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

DATE OF ISSUE
MAR 7 1994
LARDER LAKE
MINING RECORDER'S OFFICE

RECEIVED
MAR 9 - 1994
MINING LANDS BRANCH

Ministry of Natural Resources
Ontario
Ministry of Northern Development and Mines

Date _____ Number
G-3698

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

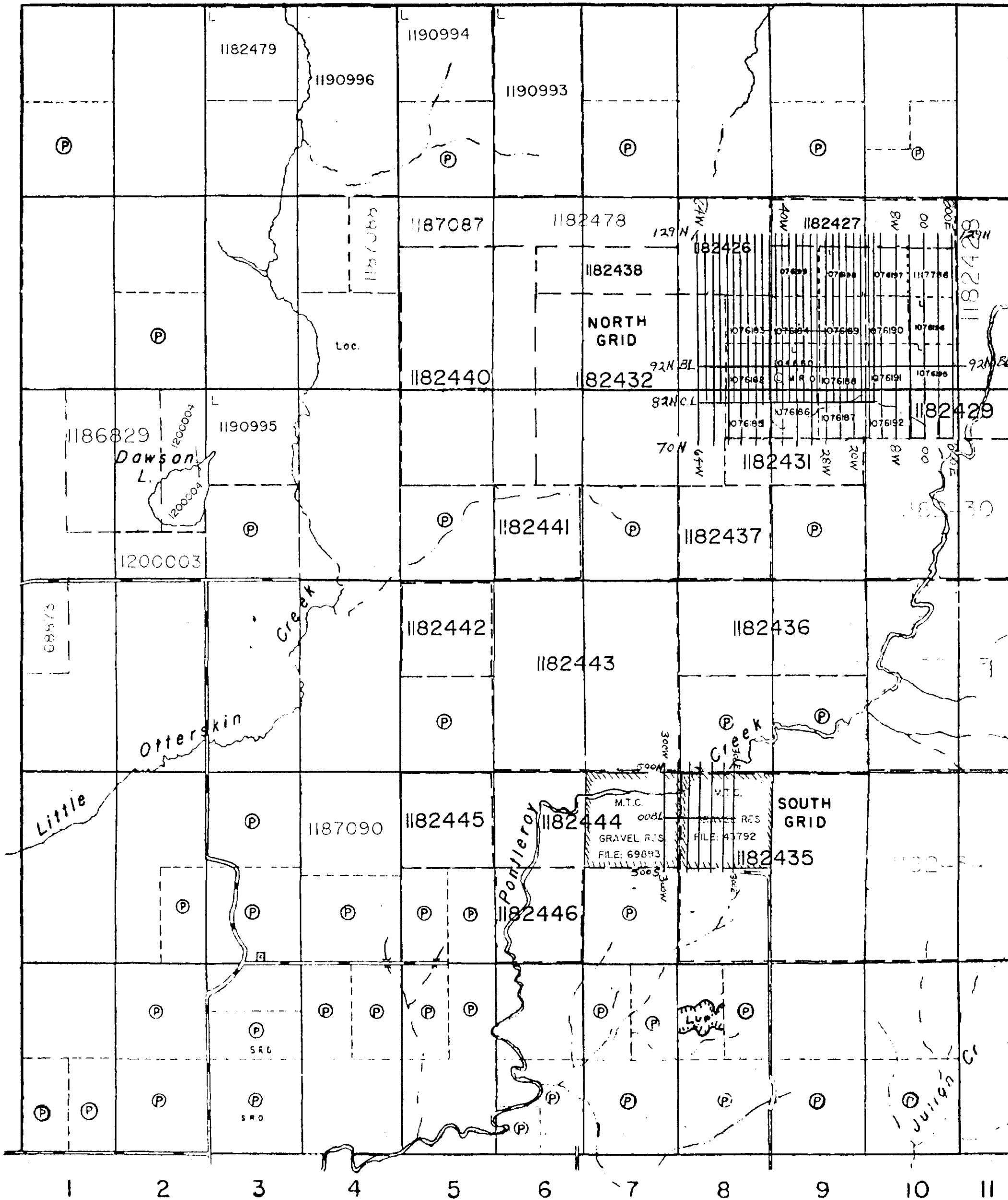
CIRCULATED AUG. 17, 1992 B.R.B.

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.



Mulligan Twp.

Ingram Twp



VI

V

IV

III

II

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Province of Quebec

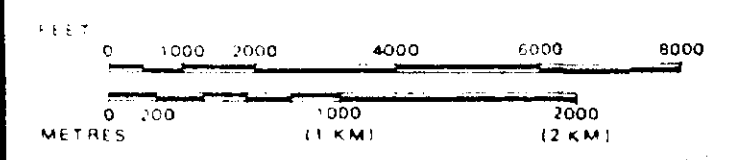
LEGEND

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
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" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER IN COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

SCALE: 1 INCH = 40 CHAINS



2.15337

RECEIVED
MAR 9 - 1994
MINING LANDS BRANCH

TOWNSHIP

PENSE

M.N.R. ADMINISTRATIVE DISTRICT

KIRKLAND LAKE

MINING DIVISION

LARDER LAKE

LAND TITLES / REGISTRY DIVISION

TIMISKAMING



Ministry of Natural Resources

Ministry of Northern Development and Mines

Date

Number

G-3698

NOTICE OF FORESTRY ACTIVITY

THIS TOWNSHIP / AREA FALLS WITHIN THE _____

_____ TIMISKAMING MANAGEMENT UNIT _____

AND MAY BE SUBJECT TO FORESTRY OPERATION. THE MNR UNIT FORESTER FOR THIS AREA CAN BE CONTACTED AT: P.O. BOX 129 SWASTIKA, ONT.

POK ITO
705-642-3222

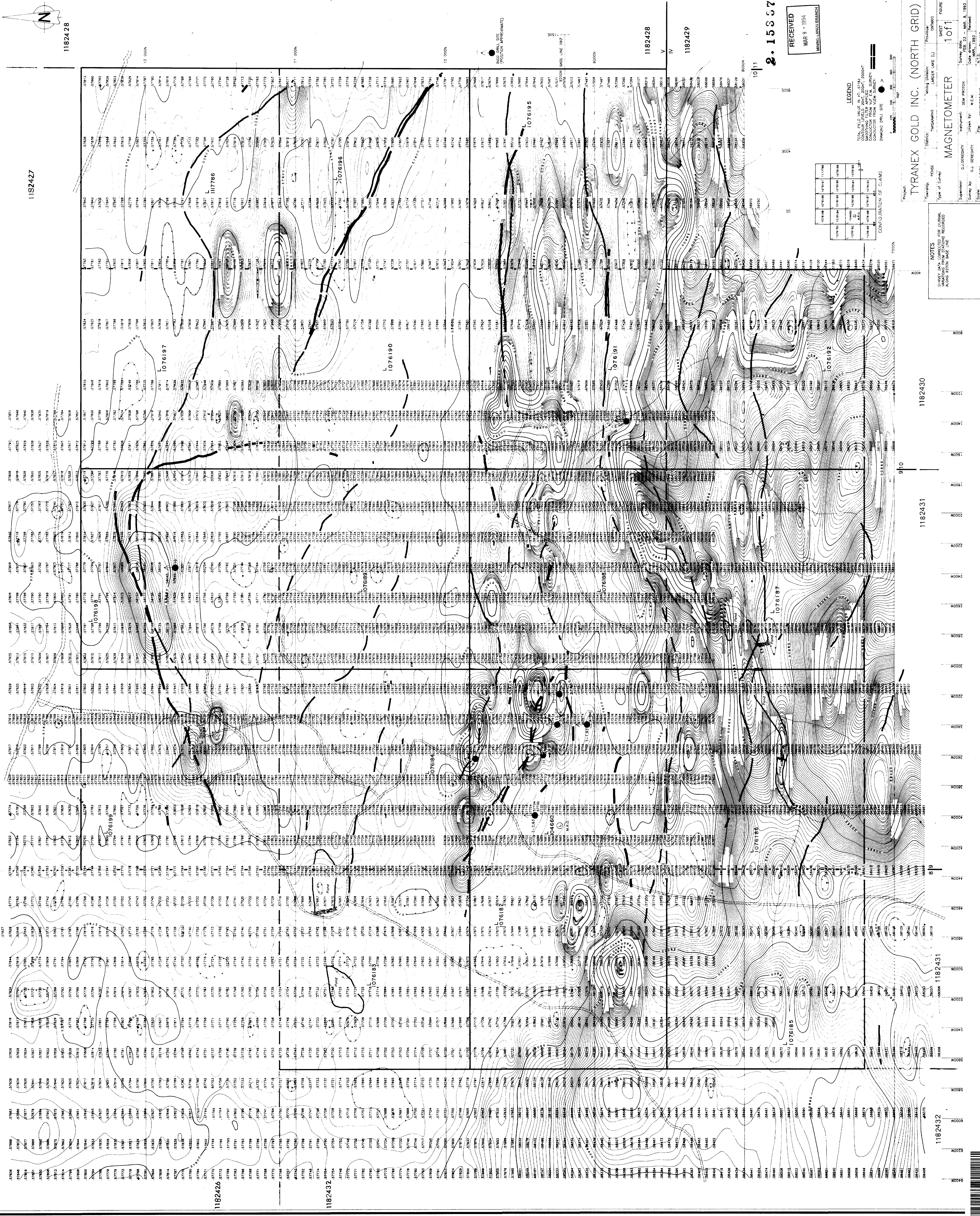


31M135E9700 2.15337 PENSE

CIRCULATED AUG. 17, 1992 B.R.B.

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A.J. Langley



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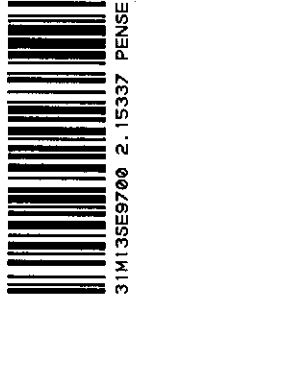
RECEIVED
MAR 9 - 1994
LANDING LANDS BRANCH

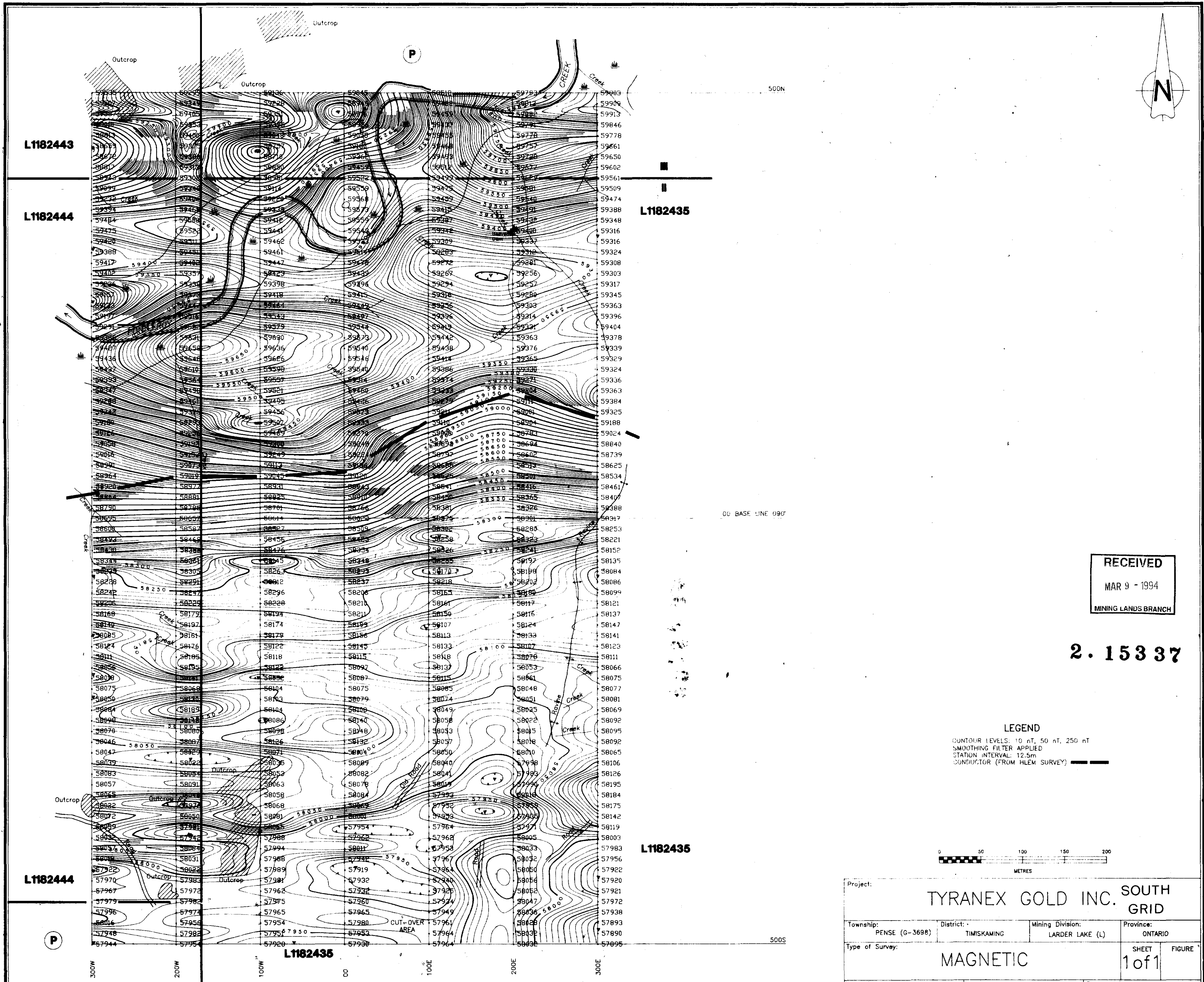
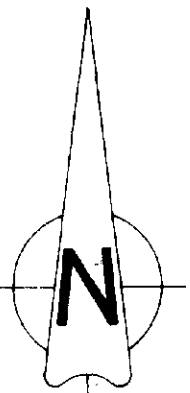
LEGEND

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Project: TYRANEX GOLD INC. (NORTH GRID)
 Date: 12/20/93
 Sheet: 101
 Title: MAGNETOMETER
 Surveyor: G.L. CHERDREY
 Scale: 1:2400
 Date: MAR 9 - 1994

NOTES
 SURVEY DATA CORRECTED FOR DIURNAL
 MAGNETIC VARIATION USING
 MAGNETOMETER

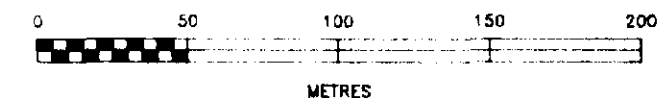




RECEIVED
MAR 9 - 1994
MINING LANDS BRANCH

2. 153 37

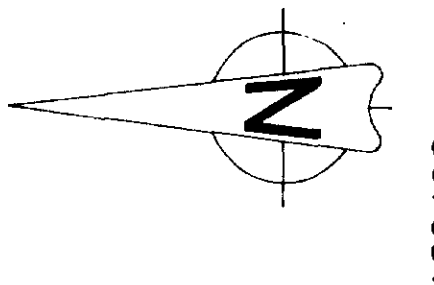
LEGEND
CONTOUR LEVELS: 10 m, 50 m, 250 m
SMOOTHING FILTER APPLIED
STATION INTERVAL: 12.5m
CONDUCTOR (FROM HLEM SURVEY) ———



Project: TYRANEX GOLD INC. SOUTH GRID			
Township: PENSE (G-3698)	District: TIMISKAMING	Mining Division: LARDER LAKE (L)	Province: ONTARIO
Type of Survey: MAGNETIC		SHEET 1 of 1	FIGURE
Supervisor: G.J.GEREHTY	Instrument: GEM PROTON	Survey date: FEB., 1993	
Survey by: CONTROLLED GEOPHYSICS INC.	Drawn by: W.E.M.	Date drawn: NOV., 1993	Revised:
Scale: 1:2500	File: PENSMG.DWG	N.T.S. 31M/13	



A.J. Arlighty



1182428

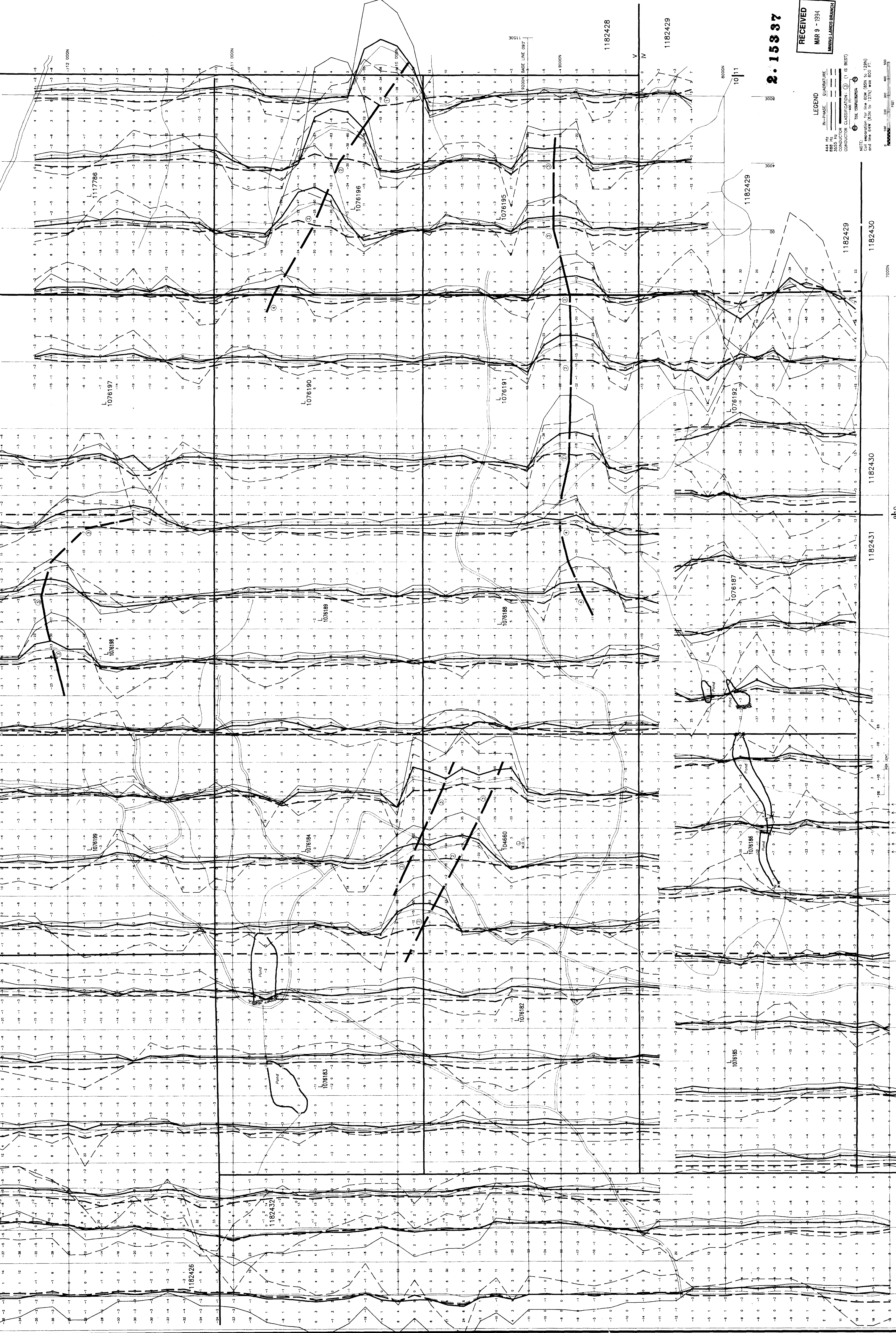
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LEGEND
445 Hz IN-PHASE QUADRATURE
3000 Hz IN-PHASE QUADRATURE
CONDUCTOR CLASSIFICATION: (1) IS BEST
② IS SECONDARY
③ IS TERTIARY

NOTE: Interpretations are for the 100m (400 Hz, 1.20m) and 300m (300 Hz, 1.20m) with 800 Hz.

2. 15337

Project:	TYRANEX GOLD INC. (NORTH GRID)
Township:	44S N.T.
Range:	120W R.
Section:	10
Map Sheet:	10T1
Scale:	1:2,400
Drawn by:	W.E.M.
Checked by:	J.S.
Date:	12/13
Project:	TYRANEX GOLD INC. (NORTH GRID)
Province:	ONTARIO
Mineral Division:	LANDS (L)
Map Sheet:	10T1
Figure:	10T1
Survey Date:	FEB. 23 TO MAR. 6, 1993
Survey Method:	EM
Scale:	1:2,400
Drawn by:	W.E.M.
Checked by:	J.S.
Date:	12/13