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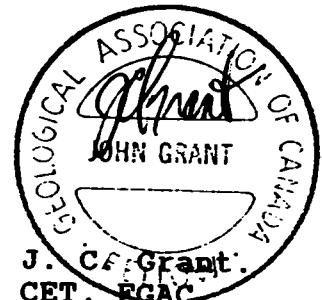
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2.15637

SUMMARY REPORT
 OF THE
 STRIPPING, WASHING, MAPPING, GEOPHYSICAL PROGRAM
 FOR
 JOHN GRANT/YVON COLLIN
 ON THE
 B.D. EXTENSION PROPERTY
 DELORO TOWNSHIP
 TIMMINS, ONTARIO
 OP-94-051, OP-94-050

RECEIVED
 OCT 19 1994
 MINING LANDS BRANCH

Qual. #. 2.3943



Prepared by: J. C. Grant
 CET, FGAC
 August 1994



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This report was prepared for the purpose of:

- 1) Satisfying all OPAP regulations and requirements.**
- 2) Highlighting the geological and geophysical setting of the claim group.**
- 3) Determining if the stripped areas are anomalous and worthy of future follow-up.**
- 4) Determining if the property should be retained for additional follow-up work.**

The sources of information contained in this report were obtained from the Ministry of Northern Development and Mines assessment files, geological reports, mapping and sampling programs of the stripped area and the geophysical surveys.

PROPERTY LOCATION AND DESCRIPTION

The property is comprised of 4 unpatented mining claims located in the east central section of Deloro Township, Porcupine Mining Division, District of Cochrane, Ontario.

The claim numbers of the claim group are as follows:
Figure #3.

Claim Number	# of units	Approx Acres
1190540	3	120
1190541	1	40
1190542	2	85
1190543	1	45

The present program concentrated on claims P-1190540 and P-1190541 because the other two claims are covered by flooding due to Dome Mines new tailings area.

ACCESS, CLIMATE, LOCAL RESOURCES

The access to the property is relatively easy. It was obtained by means of the Timmins backroad from either Timmins or South Porcupine to the Buffalo Ankerite Mine turnoff. A good gravel road has been re-established from the Minesite, south-southeast to current logging operations to the north of the claim block.

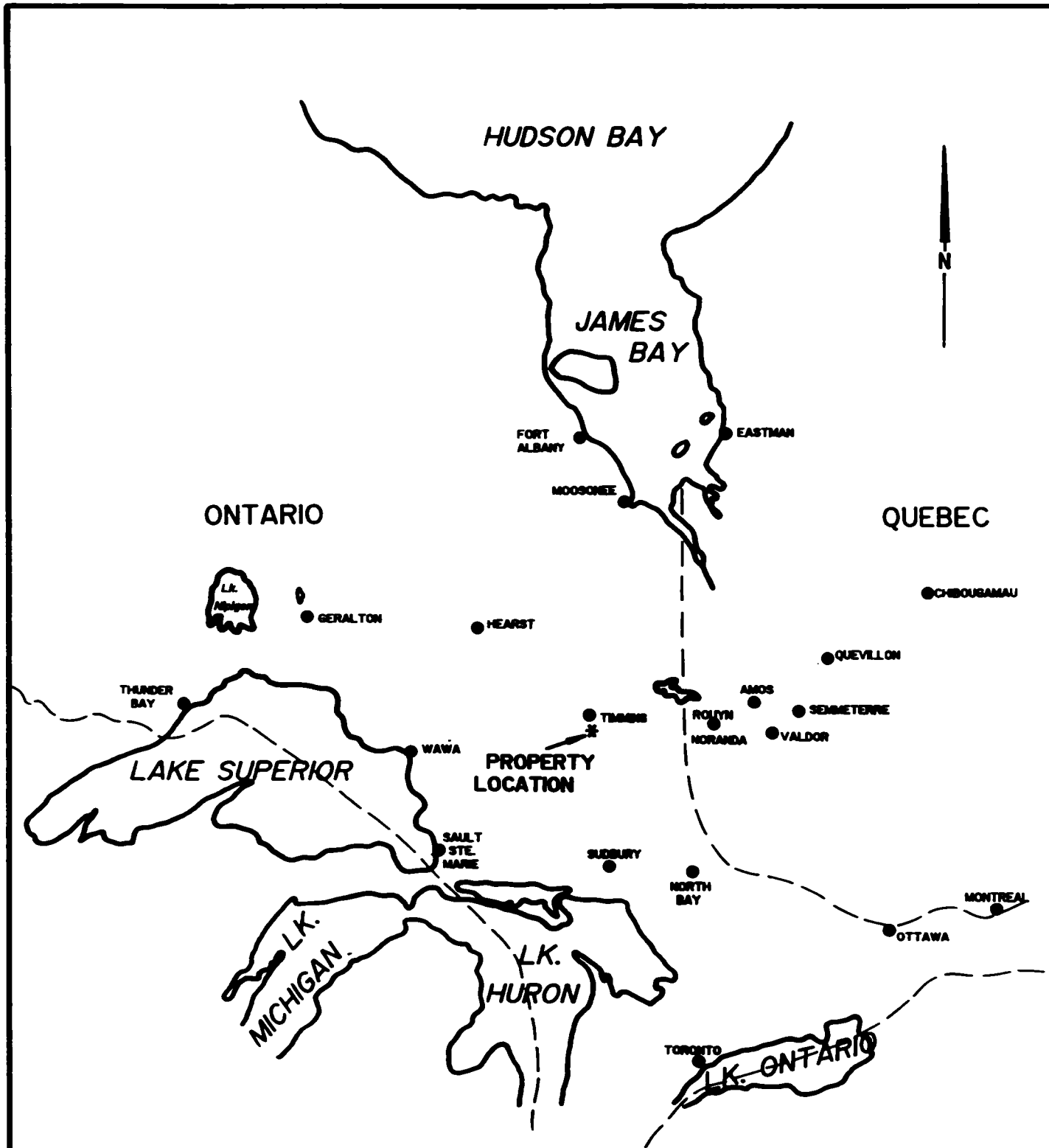
A winter road travels south and east off of this gravel road, and although quite muddy, provides good walkable access to the north end of the grid lines. Figure 1 & 2


Climatic conditions are typical for this portion of northeastern Ontario. The temperature ranges from -40 degrees to +35 degrees celcius.

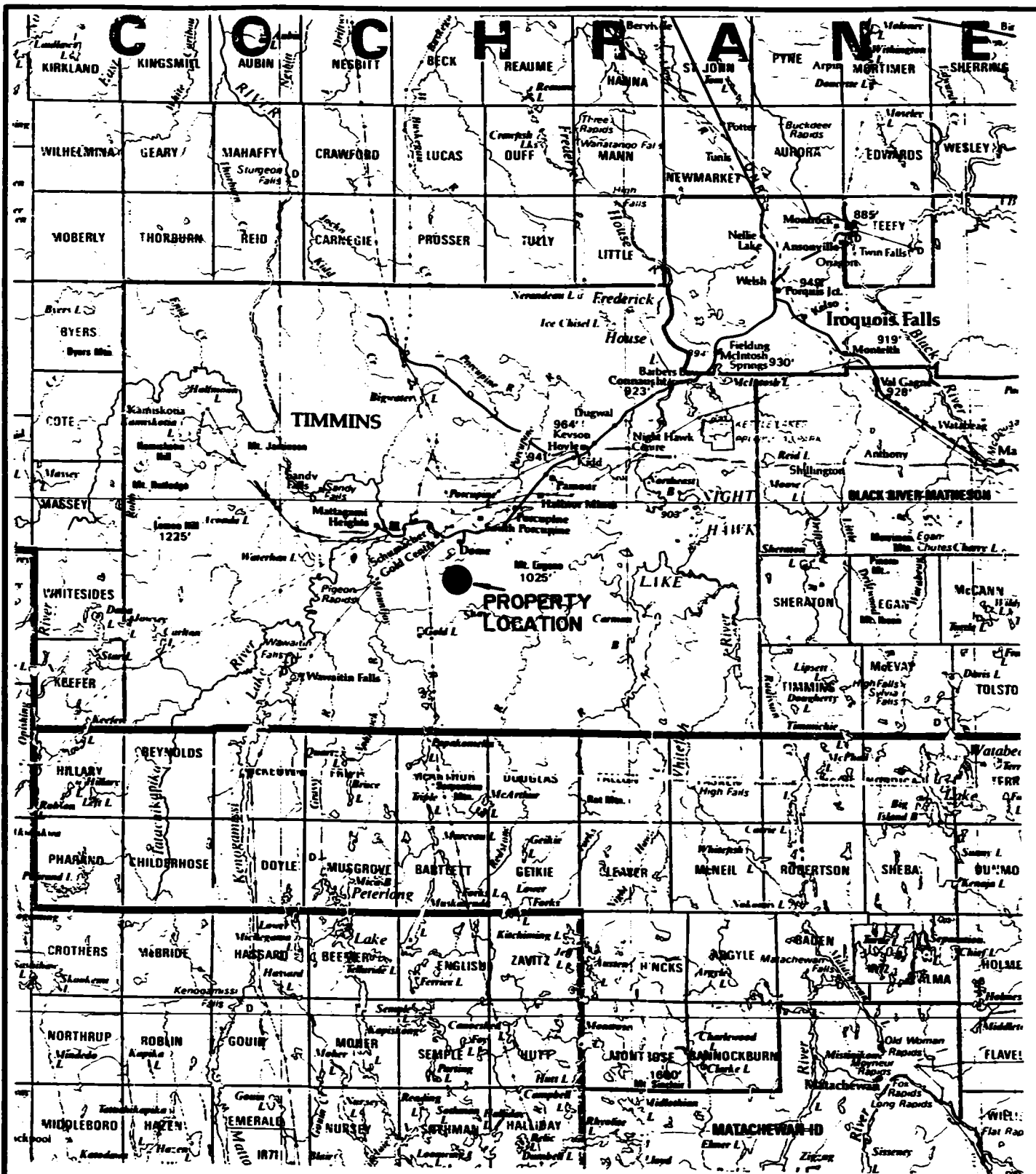
Water resources are located immediately to the north of claim P-1190540 and is represented by a small, deep lake. Figure 3.

REGIONAL GEOLOGY

The Geology of the Timmins area consists predominantly of Precambrian metavolcanics and metasediments. The precambrian rocks were later covered partially by unconsolidated Cenozoic deposits. The Precambrian rocks represent a 40,000 foot thick sequence of lower to middle greenschist facies volcanics and sediments that are divided into three groups. From oldest to youngest the three groups are known as the Deloro, Tisdale and Porcupine Groups. The Deloro Group is a 16,000 foot thick sequence composed of basal ultramafics, andesites and basalt flows followed by dacite flows, calc-alkaline rhyolites and dacite pyroclastic rocks and oxide to sulphide facies iron formations. The Tisdale Group is a 14,000 foot thick sequence composed of basal ultramafic volcanics and komatiites followed by tholeiitic basalts and calc-alkaline



		
EXSICS EXPLORATION LTD. P.O. Box 1000, P4M-7X1 Suite 13, Hollinger Bldg. Timmins Ont. Telephone: 705-267-4151		
CLIENT: J. GRANT / Y. COLLIN OPAP		
PROPERTY: B.D. EXTENSION PROPERTY <i>gch</i>		
TITLE: <div style="text-align: center; font-size: 1.2em;">LOCATION MAP</div> <div style="text-align: right;">Fig. 1</div>		
Date: May 1994	Scale: 1"=125miles	NTS:
Drawn: P.G.	Interp: J.C. Grant	Job No. E-0



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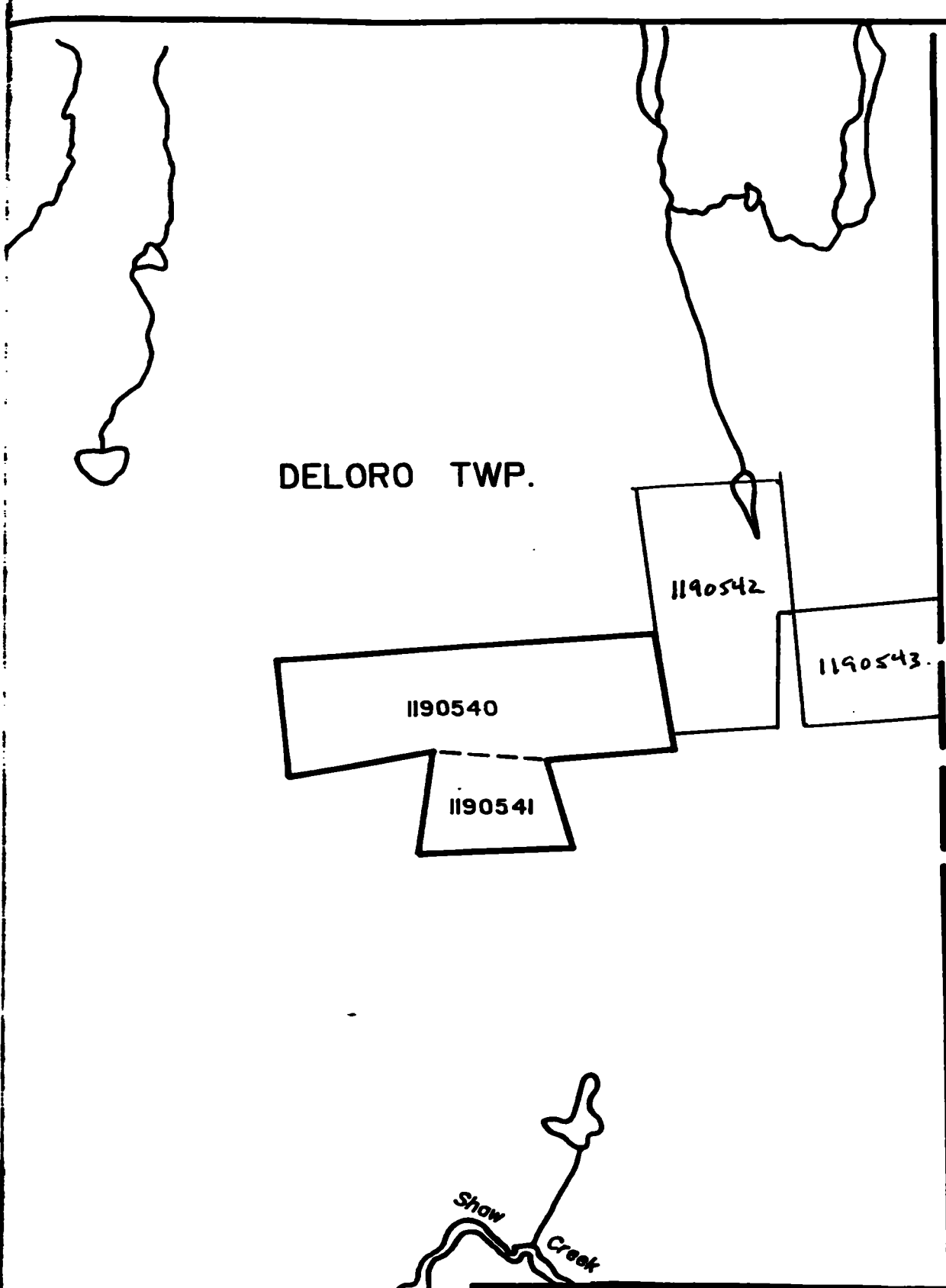
PROPERTY: B.D. EXTENSION PROPERTY

TITLE:

PROPERTY LOCATION

Fig. 2

Date: May 1994	Scale: 1:600,000	NTS:
Drawn:	Interp: J.C. Grant	Job No. E-0



DELORO TWP.

SHAW TWP.



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PROPERTY: B.D. EXTENSION PROPERTY

TITLE:

CLAIM SKETCH

Fig. 3

Date: May 1994 | Scale: 1:20,000 | N.T.S.

pyroclastic rocks. The Porcupine Group is a 10,000 foot thick sequence composed of interlayered wacke, silstone and conglomerate.

The rocks of the Timmins area were then intruded by sill-like bodies and dykes composed of felsic to mafic components.

Stratigraphic displacement of rock types range from tens of feet to thousands of feet. The most prominent and prolific fault in the area is known as the Destor-Porcupine Fault. This major structural break trends generally northeast, dips steeply north and has a width in excess of 400 feet. Other younger fault systems traversing the area are known as the Montreal River Fault and the Burrows Benedict Fault Systems.

Structurally, the area lies within the Superior Province of the Canadian Shield. North of the Destor-Porcupine Fault, 2 major series of deformational-metamorphic events altered the rocks in the region; initial north trending series of folds were subsequently refolded about an east-northeast trending series of folds.

South of the Destor-Porcupine Fault, an east-west trending series of folds produced a major structural domain known as the Shaw Dome.

LOCAL GEOLOGY

The Ontario Geological Survey's map 2455- Precambrian Geology, map of Timmins, scale 1:50000, highlights the property geology. The property is underlain by pillowed flows of mafic calc-alkalic volcanic composition. It also consists of oxide to sulphide rich iron formations. The property has been intruded by mafic intrusive rocks of olivine composition. The north-south trending Burrows Benedict Fault runs between claims P-1190542 and P-1190543 which represents the eastern portion of the property.

HISTORY OF THE PROPERTY

A history of a portion of the property, particularly present claim P-1190541 has been describe by G.M. Thomas in a 1981 exploration report for Vatco Exploration Incorporated. (assessment file T-2539, Timmins office). The bulk of the past work has been conducted on claim units P-1189183 and P-1189189 (Big Dyke Property).

It should be noted here that the remaining claims of this OPAP proposal, P-1190540. P-1190542 and P-1190543, have never been covered by ground surveys of any sort.

In 1920, present claim P-1190540 and adjoining claims P-1189183 and P-1189189 was controlled by Big Dyke Consolidated Gold Mines. Exploration centered on a northeast trending quartz dyke (bid dyke zone) and a carbonatized sulphide rich iron formation. Four vertical shafts up to 80 feet deep and sporadically positioned pits and trenches developed the showings. Operations were closed down in 1923.

From 1926 to 1944, the company announced that underground development would continue as soon as funding was in place, however no exploration work was recorded. Finally, in 1961 the charter of Big Dyke Consolidated was allowed to lapse.

From 1962 to 1979, various prospectors held the ground but no work was ever recorded at the ministry office. However, between 1980 and 1983 explorations programs of linecutting, geophysics, soil geochem, sampling and geological mapping were completed on the claim block by Vatco Exploration Inc. Grab samples yielding up to 0.30 ounces/ton gold were associated with a pyrite rich carbonate altered iron formation. The length of the iron formation was recorded as greater than 1,000 feet. The company concluded that this iron formation may host a series of possibly economic gold enriched lenses. Furthermore, the Big Dyke Vein yielded values up to 0.1 ounces/ton. The company also concluded that soil geochemical anomalies occurred in conjunction with intermediate volcanics and at the edges of magnetic high anomalies.

In 1991, the claim block was staked and recorded for the purpose of determining the economic viability of the property.

In 1992, an OPAP study was completed on the property by Ken Lapierre and Ray Collins. In K. Lapierre's Summary report he states "An iron formation associated with an intermediate volcanic was exposed by overburen removal methods. Consistent anomalous gold values of up to 0.274 ounces/ton were detected within the sulphide Rich Iron Formations Zone. Of importance is the fact that an anomalous gold value of 0.092 ounces/ton was detected in a sulphide rich iron formation located approximately 240 feet south of the main showing."

Based on the success of the OPAP program an additional 12 unpatented mining units comprising 680 acres were staked surrounding the original claim block.

In the fall of 1992, the original claim block and the additional staking were acquired 100% by Exsics Exploration Limited. In December 1992, an OMIP application was submitted for the purpose of following up the OPAP results of Lapierre and Collins. Exsics Exploration Limited has submitted the proposal. Unfortunately due to lack of funding the proposal was refused.

PURPOSE OF 1994 OPAP PROGRAM

In 1988 the government airborne survey of the Timmins camp was flown and covers Deloro Township. On reviewing the results, it was noted that a significant airborne magnetic bullseye target is situated on present claims P-119540 and P-1190541 which extends into the Big Dyke property as well as up into the Puissance Property to the north.

Past work and the present OPAP results of the Big Dyke has proven that there are consistent anomalous gold values of up to 0.274 ounces/ton were detected within the Sulphide Rich Iron

Formation Zone. Also of importance is the fact that an anomalous gold value of 0.092 ounces/ton was detected in a sulphide rich iron formation located approximately 240 feet south of the main showing both of which are situated in claim P-1189183.

Also of importance is the ground program conducted by Puissance Corporation to the North of present claim P-1190540 and west of claim P-1190542.

Past work on the property dates from 1909 to the Puissance Program of 1985. All past work has been done on 3 parallel veins which cross the property west to east. A number of surface cross cuts, 2 shafts, and major surface stripping programs all have returned good gold values of 0.06 ounces/ton up to 1.06 ounces/ton. All of these results have been determined from iron rich carbonated zones scattered across the property.

In December 1993, claims P-1190540, 1190541, 1190542, 1190543 which represent the north and west extensions of the Big Dyke Property were acquired by J. Grant and Y. Collin with the intent of applying for an OPAP grant to continue the ground follow-up of the Big Dyke extension, (B.D. Extension Property).

It should be noted that the property covered by present claims P-1190540, P-1190542 and P-1190543 have never been covered by any sort of ground program mainly due to it being patent ground. When the patents came open, they were staked and are now held by Grant and Collins.

The purpose of our program will be to concentrate on claims P-1190540 and P-1190541 with a detailed geological, geophysical stripping and trenching project. It is our intent to locate and explain or expose the magnetic high with hopes of locating sulphide rich iron formations of the like which are hosted on the Puissance and Big Dyke Properties.

PROPERTY GEOLOGY

The claim group has been recently logged by two independent logging firms which has exposed much of the outcrop areas.

At least half of the property is covered by black spruce swamp and cedar swamp to tag alder mixtures.

The western section of claim P-1190540 is generally covered by swampy low ground with east-west out cropings of mafic to intermediate volcanics comprised of andesitic basalts, quite massive in places. Quartz strings were noted along the southwest edge of the property striking north-south and measuring 3-4 inches in width and varying lengths. Most of the stringes show minor iron staining but no visible sulphides were observed.

As you progress into the property to the east the basalts begin to alter to a more silicious type with minor shearing. As

the shearing becomes heavier, the quartz content increases and sulphides appear in massive short lenses and smears.

The central east section of P-1190540 is largely covered by mafic to intermediate volcanics again represented by basalts and andesitic basalts. Lines 600ME to 900ME from 100MS to 400MS represents the most interesting areas. Here, there appears to be two general parallel structures of highly sheared units. These units are comprised of highly rusty, quartz rich zones with heavy iron staining within the quartz. These quartz veins range in width from 5-8 inches to 6-8 feet. Strike lengths, visible in the outcrops range from 1 to 3 feet and up to 10 feet.

The first structural shear zone strikes approximately 100-110 degrees from 600ME/110MS to 800ME/190MS.

The second structural shear zone appears to strike from L600ME/300MS to 800ME/400MS. An old trench, water filled has been located on L700ME/400MS which cross cuts one of the shear zones.

Another trench was located on L10E/140MS which is also deep and water filled with quartz rubble in the side dump.

Two other areas of old trenches were noted in the southwest corner of P-1190541 but did not appear to relate to structural targets.

Prospecting of the claim group has located two structural trends of interest. Both of these targets will lend themselves well to mechanical stripping.

TRENCHING GEOLOGY

The trench geology was completed by J.C. Grant with the assistance of Y.L. Collins. The following is the geological report prepared by J.C. Grant.

Five trenches were completed on the group. Refer to the enclosed Trench location map for their positioning. Each trench will be discussed separately.

Trench #3

This trench is centered on L700ME at 400MS and was completed to test the magnetic high unit noted by the geophysical program and to clean out and extend an old trench on the site.

Prospecting noted heavy iron staining and abundant quartz veining in the area. The trench exposed mainly highly altered quartz veining with abundant sulphide stringers and veinlets. Several areas of chalcopyrite smears were also noted.

Generally the host rock appeared to be mafic volcanics with a band of ultramafic intrusives cross cutting the south end of the

trench. This unit may explain the magnetics. The trench has abundant quartz veins generally striking north-south dipping near vertical and ranging in widths from 1" to 1.5 feet. There does not appear to be sulphides within the quartz veins themselves. The sulphides generally follow the contact between the quartz and mafic unit. Generally this trench is 2-6 feet deep.

Trench #4

Initially this trench was designed to test a massive sulphide outcropping on L500ME/125MS. However, the outcrop turned out to be a large piece of float generally mapped as a carbonatized mafic unit. The trench was then extended to the south to follow a similar geological unit.

Basically this trench work exposed a mafic unit cross cut by an altered quartz vein system which generally carry smears and stringers of sulphides in contacts between the mafic units and quartz carbonate units. There is evidence of minor iron staining associated with the vein system.

The north half of the trench has had large pieces of carbonatized mafics floats deposited on top of the mafic units and appear to emanate from the west. Again these float units have highly altered quartz veins with minor sulphides associated with them in smears and stringers. Their general depth of this trench is 2-6 feet.

Trench #5

This trench was done to expose a shear zone which was noted on mapping several outcrops in the vicinity of Trench #4. Once the trench was completed, detailed mapping exposed a mafic host unit which contain pillow lava structures. The quartz salvages around the pillows are highly altered with iron staining. These salvages also contain areas of massive sulphide smears and minor sulphide stringers. Generally the sulphides appear to be pyritic as large cubic crystals were noted.

There were several quartz vein systems noted throughout the trench. They are generally 1-4 inches in width, strike east-west and dip northwest. These veins have heavy iron staining and have sulphide stringers along the contact between the veins and host rock. Generally the sulphides do not appear in the veins themselves. However, the quartz veins appear to have a fair bit of carbonate within them as well as chloritic alteration. Two shear zones were also mapped in the trench. The main shear is approximately 3-5 feet wide, strikes east-west and dips northwest.

The narrower shear zone also strikes east-west and dips northwest. Again these shear zones are quartz rich with minor sulphide blebs and stringers. The trench depth ranges from 2-5 feet.

Trench #2

This trench is centered on L700ME/125MS and was completed to test a quartz rich shear zone which may be the same shear zone noted in trench #5.

The host rock of the trench were mafic to intermediate volcanics which, in places appear to have been altered to a carbonatized volcanic unit.

The main shear zone generally strikes northwest and dips to the north. It ranges in width from 1.5 to 4 feet and contains sulphide stringers, smears and blebs. Again the shear also shows iron staining.

Two quartz veins generally parallel the shear on its south flank. These veins range in widths from 3 to 6 inches. The sulphides again follow the contacts between the veins and mafic host rock.

A second narrower shear zone was noted striking southwest and is similar in composition as the main shear zone. The mafic unit changes to a more altered carbonatized unit to the south which is quartz rich with iron staining. Generally the depth of the trench ranges from 2-4 feet.

Trench #1

This trench is centered on L700ME/175MS. This trench exposed the best looking quartz rich structure on the grid.

Again the host rock appears to be a mafic to intermediate volcanic with pillow lava structure noted on the west section of the trench.

The quartz veining system is generally contained within the mafic volcanics. These veins range in widths from 2-4 inches to 2 feet. The veins themselves have abundant carbonate alteration as well as chlorite alteration in veins of 1/2 inch. The sulphides again are generally along the contacts between the quartz and host rock.

A major shear zone cross cuts the centre of the trench and appears to follow a fracture or fault striking east-west. This shear zone is generally barren of sulphides but ranges in widths from 6 inches to 2 feet. Two additional shear zones were mapped across the trench. Both zones strike northwest and dip northeast. These zones appear to be iron rich with sulphides stringers within. The quartz vein appear to have come in to the host rock later than the shears because they cross cut the shear zones. This trench ranges in depth from 2 feet to 10 feet.

In conclusion, the trench geology generally exposed a rock unit comprised of mafic to intermediate volcanics which in places

has been altered to a carbonatized volcanic. There is an abundant of quartz vein systems cross cutting the host rock which show evidence of carbonate alteration and chloritic alteration. Pillow lavas were also noted in two of the trenches.

The sulphides sampled in the five trenches generally follow the contact between the quartz veins and host rock. These sulphides appear as massive smears, narrow stringers and blebs. Several of the quartz veins were also sampled because of the amount of carbonate alteration.

The assay results for all trenches will be included in the appendices of this report.

GEOPHYSICAL PROGRAM

This program consisted of a Total Field Magnetic Survey as well as a VLF Electromagnetic Survey. Both surveys were completed over 4 claims of the B.D. Extension property using a compass paced grid off of a well established baseline.

The geological survey was completed after the geophysical program and used the same flagged grid lines for control.

The magnetic survey and VLF survey was completed using the EDA OMNI Plus system. Specifications can be found as Appendix A of this report.

The following parameters were kept constant for each survey method.

Magnetic Survey:

Unit:	-EDA OMNI PLUS
Line Interval:	-100 meter
Station Interval:	-25 meter
Base Station Method:	-Loop Method
Reference Field:	-59,000 gammas
Datum Substract:	-58,000 gammas
Contour Interval:	-25 gammas
Accuracy:	- +/- 1 gamma
Parameters Measured:	-Earth's Total Magnetic Field

VLF-EM Survey:

Unit:	-EDA OMNI PLUS
Line Interval:	-100 meter
Station Interval:	-25 meter
Transmitter Station:	-Cutler, Maine
Frequency:	-24.0 KHZ
Transmitter Diration:	-115 degrees
Profile Scale:	-1cm = +/- 20%
Filter Method:	-Fraser Filter
Contour Interval:	-2 unit intervals

The filtering was applied to the VLF dip angle measurements. This is done to aid in interpreting the VLF data and it also enhances weak, questionable zones. The contour results place high positive peaks over shallow conductive zones and weaker peaks over deeper targets.

SURVEY RESULTS

A number of VLF targets were located on the grid, especially in the northwest section of the property. Zone C, D and E generally appear to relate to the same magnetic unit. All targets appear to be weak, spotty and questionable. Zone C & E are contained within low areas with little visible outcrop. Zone D runs across an outcrop area of mafic volcanics.

Zone A represents one of the stronger zones but is mostly situated within a low swampy area. However, the entire strike length lies along the south flank of a strong magnetic unit.

Zone B represents a strong but short structure which represents the north flank of a moderate magnetic unit emanating from a strong magnetic bullseye to the east.

Generally the ground magnetic survey was successful in locating and outlining the airborne magnetic target. It is situated between lines 600ME and 800ME, 250MS to 450MS. The magnetic high target will be tested by trench #3.

There is very little EM activity or magnetic activity in the vicinity of the shear zones and quartz veining.

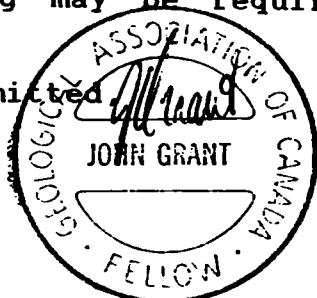
Two trenches will be completed to test the quartz and shear zones situated on L700ME at 100MS and L700ME at 150MS. The magnetic survey show a moderate increase in both these areas.

Another trench will be completed between lines 500ME and 600ME to the north of the road to test the extension of the shear zone on L700ME/150MS and to test an outcrop of pillow lavas which appears to have significant sulphide content.

ASSAY RESULTS

Generally there were no significant assay results for nickel in any of the trenches. However, trenches #3,4 and 5 returned anomalous gold values in three locations which would suggest further sampling may be required for a better representation sample.

Respectfully Submitted,



John C. Grant.

APPENDIX A

OMNI PLUS VLF/Magnetometer System



Major Benefits of the OMNI PLUS

- Combined VLF/Magnetometer/Gradiometer System
- No Orientation Required
- Three VLF Magnetic Parameters Recorded
- Automatic Calculation of Fraser Filter
- Calculation of Ellipticity
- Automatic Correction of Primary Field Variations
- Measurement of VLF Electric Field

Specifications*

Frequency Tuning Range	15 to 30 kHz, with bandwidth of 150 Hz; tuning range accommodates new Puerto Rico station at 28.5 kHz
Transmitting Stations Measured	Up to 3 stations can be automatically measured at any given grid location within frequency tuning range
Recorded VLF Magnetic Parameters	Total field strength, total dip, vertical quadrature (or alternately, horizontal amplitude)
Standard Memory Capacity	800 combined VLF magnetic and VLF electric measurements as well as gradiometer and magnetometer readings
Display	Custom designed, ruggedized liquid crystal display with built-in heater and an operating temperature range from -40°C to +55°C. The display contains six numeric digits, decimal point, battery status monitor, signal strength status monitor and function descriptors.
RS232C Serial I/O Interface	2400 baud rate, 8 data bits, 2 stop bits, no parity
Test Mode	A. Diagnostic Testing (data and programmable memory) B. Self Test (hardware)
Sensor Head	Contains 3 orthogonally mounted coils with automatic tilt compensation
Operating Environmental Range	-40°C to +55°C; 0 - 100% relative humidity; Weatherproof
Power Supply	Non-magnetic rechargeable sealed lead-acid 18V DC battery cartridge or belt; 18V DC disposable battery belt; 12V DC external power source for base station operation only.
Weights and Dimensions	
Instrument Console	2.8 kg, 128 x 150 x 250 mm
Sensor Head	2.1 kg, 130 dia. x 130 mm
VLF Electronics Module	1.1 kg, 40 x 150 x 250 mm
Lead Acid Battery Cartridge	1.8 kg, 235 x 105 x 90 mm
Lead Acid Battery Belt	1.8 kg, 540 x 100 x 40 mm
Disposable Battery Belt	1.2 kg, 540 x 100 x 40 mm

*Preliminary

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Printed in Canada

DAILY LOG OF WORK PERFORMED ON B.D. EXTENSIVED PROPERTY BY APPLICANTS.

- MAY 17 JG, YC ESTABLISH BL, NORTH & SOUTH CLAIM BOUNDARY.
- MAY 18 JG, YC COMPLETE BL. TURN OFF GRID LINES, FLAG EAST BOUNDARY
- MAY 19 " GRID LINES, NORTH - SOUTH JG, YC
- MAY 20 " GRID LINES, NORTH - SOUTH JG, YC
- MAY 21 " GRID OF PROPERTY COMPLETED. JG, YC
- MAY 22 " JG, YC VLF SURVEYS
- MAY 23 " JG, YC, VLF "
- MAY 24 " JG, YC, VLF "
- MAY 27 " START DETAIL MAPPING OF GRID LINES & PROPERTY, JG, YC
- MAY 28 " DETAIL MAPPING OF LINES & GRID AREA.
- MAY 29 " " " " "
- JUNE 1 " " " " "
- JUNE 2 " DETAIL MAPPING OF LINES
- JUNE 3 " " " " "
- JUNE 5 " " " " "
- JUNE 6 " HANO MUCK OUT OLD TRENCH ON L 7E/400MS & O/C IN AR
- JUNE 7 " HANO MUCK OLD TRENCH ON L 1800MS/150MS & SULPHIDE SHOWING ON L 5E/125MS.
- JUNE 10 " SITE PREP TR #1 LOCATION, FLAG TR LIMITS, LOCATE SWAMP.
- " 11 " " TR #2 LOCATION, " " " REMOVE SWAMP
- " 12 " " TR #2 FLAG ACCESS TO TR. FLAG TR. LIMITS.
- " 16 " " TR #2 REMOVE TREES.
- " 17 " " TR #3 FLAG LIMITS OF TR.
- " 18 " " TR #3 TREES REMOVED, FLAG BACKLINE ACCESS ROUTE
- " 19 " " TR #4, FLAG LIMITS
- " 20 " " TR #4, TREES & DIG OUT SULPHIDE POWDER
- " 23 " " TR #5,
- " 24 " FLAG TR #1, 2, 3, 4, 5 LOCATIONS TO BUSH ROAD.

JUNE 27	dg	OFFICE PLOTTING SURVEYS	MAG/VLF/GEOL
28	Jg	OFFICE PLOTTING SURVEYS	MAG/VLF/GEOL
29	dg	" " " "	MAG/VLF/"
30	Jg	" " " "	MAG/VLF FINISHED

July 16 Jg Yc Walked in BACKHOE, (CREW TO TR#1, SET UP SAMPLE TRENCHING OF #1) SITE.

July 19 dg Yc WASH OFF, MUCK OUT TR#1. BACKHOE TO TR#2

July 20 " " WASH OFF, MUCK OUT TR#2. MOVE HOSES. BACKHOE TR#3

July 21 " " BACKHOE TO TR#3, ROLL HOSES, MOVE TO TR#7 NEWSUMPT

July 22 " " WASH OFF, MUCK OUT TR#3, BACKHOE FINISHED TR.

July 23 " " BACKHOE TR#4 WASH OFF TR#4, MUCK OUT.

July 24 " " BACKHOE TR#5, WASH OFF TR#5, MUCK OUT SAME

July 25 " " BACKHOE WORK FINISHED, ROLL HOSES, START MAPPING TR#1

July 26 " " MAPPING TR#1, SAMPLE BAG, FOR TR#1

July 27 " " Detail Mapping OF TR#2, SAMPLE LOCATIONS MARKED

July 28 " " Detail Mapping OF TR#3, CARRY OUT TR#2 SAMPLES.

July 29 " " Sample TR#3. BAG SAME, MOVE GEAR TO TR#2 SITE.

July 30 " " Detail Mapping OF TR#4, MARK SAMPLE LOCATIONS

July 31 " " FINISH TR#4, SAMPLE SAME, BAG CARRY OUT.

Aug 4 " " Detail Mapping OF TR#5 SAMPLE BAG, SAME.

Aug 5 " " MOVE OUT ALL GEAR, TRENCHES COMPLETED, CLEAN UP TR. SITES.

Aug 6	dg	PLOTTING, TRENCH GEOLOGY
"	7	dg " " "
"	8	dg " " "
"	9	dg " " "
Aug 8	Yc	LABELLING ALL SAMPLE BAGS, DELIVER TO ASSAYER
Aug 9	Yc	TO PROPERTY FLAG ALL TRENCHES TO GRID LINE, STATION. TIE IN TR. TO CLAIM POSTS.

APPLICANT DAYS SPENT ON OJAP PROGRAM.

YOUNG COLLINS. 44 DAYS IN THE FIELD.
1 DAY IN THE OFFICE.

JOHN GRANT. 43 DAYS IN THE FIELD.
4 DAYS IN THE OFFICE PLOTTING
MAGNETIC DATA & PROPERTY GEOLOGY.
ACTUAL TIME 3.5 DAYS.
4 DAYS IN THE OFFICE PLOTTING
TRENCH GEOLOGY.
ACTUAL TIME 3.1 DAYS.

DRAFTSMAN
P. J. ALTHIER. 3 DAYS PREPARING MYLAR PLOTS OF
SURVEYS, GEOLOGY & TRENCH MAPS.
INCLUDING REPRODUCTIONS & COMPUTER
WORK TO PUT DATA ON DISKETTE.

CLERICAL
K. B. TALON 1.5 DAYS TYPING FORMAL
REPORTS & BINDING 3 COPIES OF
REPORTS.

BACKHOE CREW.
JULY 18-25 7 DAYS IN THE FIELD.
1 DAY TO MOVE IN & OUT.

John Grant
OP 94-51

NUMBER OF PEOPLE EMPLOYED ON PROJECT.

1 BACKHOE OPERATOR	7 DAYS	7 PERSON DAYS
1 BACKHOE HELPER	7 DAYS	7 PERSON DAYS
1 DRAFTSMAN	3 DAYS	3 PERSON DAYS
1 CLERICAL	1.5 DAYS	1.5 PERSON DAYS

TOTAL DAYS 18.5 DAYS.

John C. Grant Co Applicant. 0894-51



Bondar Clegg

Inchcape Testing Services

Geochemical
Lab
Report

RAPPORT: T94-57017.0 (COMPLET)

RÉFÉRENCE:

CLIENT: MR. JOHN GRANT

SOUIS PAR: JG

PROJET: E-O-OPAP

DATE DE L'IMPRESSION: 19-AUG-94

COMMANDE	ÉLÉMENT	NOMBRE LIMITE INFÉRIEURE		EXTRACTION	MÉTHODE
		D'ANALYSES	DE DETECTION		
1	Au30 Or	37	5 PPB	Pyro Analyse de 30g HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE
2	Ni Nickel	37	2 PPM		ABSORPTION ATOMIQUE

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
ROCHE	37	-150	37	CONCASSAGE SEULEMENT	37
				PULVERISATION	37

COPIES DU RAPPORT À: P.O. BOX 1880
FAX: 705-264-5790

FACTURE À: P.O. BOX 1880



Bondar Clegg
Inchcape Testing Services

Bondar-Clegg & Company Ltd.
5420 Canotek Road
Ottawa, Ontario
K1J 9G2
Tel: (613) 749-2220
Fax: (613) 749-7170

MR. JOHN GRANT
P.O. BOX 1880
TIMMINS, ONTARIO
P4N 7X1

Invoice : 0182367, Page 1

Date : 19-AUG-94

Report No: T94-57017.0

Project : E-0-OPAP

Reference:

37 Analyses of Nickel	at \$ 2.85	\$ 105.45	
Subtotal		\$ 105.45	\$ 105.45
37 Analyses of Gold	at \$ 9.65	\$ 357.05	
Subtotal		\$ 357.05	\$ 357.05
Sample Preparation			
37 Samples of CRUSH ONLY	at \$ 2.50	\$ 92.50	
37 Samples of PULVERIZATION	at \$ 2.50	\$ 92.50	
Subtotal		\$ 185.00	\$ 185.00
Miscellaneous Charges			
Tax GST #R100576693		\$ 45.33	
Subtotal		\$ 45.33	\$ 45.33
Invoice Total:			\$ 692.83 Cdn

Paid

THIS IS A PROFESSIONAL SERVICE
ACCOUNTS DUE WHEN RENDERED

On account with: J. Grant, Y. Collin,
P.O. Box 1880
Timmins, Ontario

Re: OPAP program B.D. Extension, Deloro Township

In consideration for: Backhoe work, helper,
Trench work.

At a rate of: \$8,000.00 all inclusive
for seven days labour.

Dated: July 20, 1994

Signed: *Roland Collin*
Roland Collin

Karan Boyce-Talon
Timmins, Ontario

September 6, 1994

Typing and Binding 3 copies of OPAP report for John Grant and Yvon
Collin.

1 1/2 days @ \$100.00/day

\$150.00

Paid In Full

PIERRE GAUTHIER
TIMMINS, ONTARIO

Sept 6/1994

DRAFTING of OPAP for John GRANT and
Yvon COLLIN
(Plotting, Printing, Computer Compilating)

3 days @ \$115.00/day
= \$345.00

Paid in full

Pierre Gauthier



Report of Work Conducted After Recording Claim

Mining Act

Transaction Number
W9460.00199

Res. Act. - Kirkland Lake

2.15637

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, 150 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 required Recorder.
 - A separate copy of this form must be completed
 - Technical reports and maps must accompany this
 - A sketch, showing the claims the work is assigned.



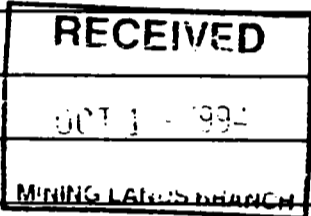
42A06NE0022 2.15637 DELORO

900

Recorded Holder(s) <i>John Grant / Yvon Collin</i>		Client No.
Address <i>P.O. Box 1880, Timmins, Ont. P4N-7X1</i>		Telephone No. <i>267-4151</i>
Mining Division <i>Porcupine</i>	Township/Area <i>Deloro</i>	M or G Plan No. <i>G-3993</i>
Dates Work Performed From: <i>MAY 12/94</i>		To: <i>AUG 31/94</i>

Work Performed (Check One Work Group Only)

Work Group	Type
Geotechnical Survey	<i>MAGNETIC, ILF, GEOLOGICAL, REPORTS.</i>
Physical Work, including Drilling	
Rehabilitation	
Other Authorized Work	
Assays	
Assignment from Reserve	



Total Assessment Work Claimed on the Attached Statement of Costs \$ 8400.00

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>Yvon Collin</i>	<i>Box 1880 Timmins Ont P4N-7X1</i>
<i>John Grant</i>	<i>Box 1880 Timmins Ont P4N-7X1</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>Sept 13/94</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
John C. Grant Box 1880 Timmins Ont

Telephone No. <i>267-4151</i>	Date <i>Sept 13/94</i>	Certified By (Signature) <i>[Signature]</i>
----------------------------------	---------------------------	--

Recorder Office Use Only

Total Value Cr. Recorded <i>\$8,400</i>	Date Recorded	Mining Recorder	
Deemed Approval Date <i>DEC 21, 1994</i>	Date Approved		
Date Notice for Amendments Sent			

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units
2	1190540	3
3	1190541	1
3	1190542	2
2	1190543	1
Total Number of Claims		4

Value of Assessment Work Done on this Claim	Value Applied to this Claim	
7400.00	3600.00	
1000.00	1200.00	
0	2400.00	
0	1200.00	
Total Value Work Done		8400.00
Total Value Work Applied		8400.00

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 OCT 1 1964
 MINING LANDS BRANCH

Value Assigned from this Claim	Reserve to be Claimed at a Future Date	
3800.00	0	
Total Assigned From		3800.00
Total Reserve		0

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. 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 or leased land at the time the work was performed.

Signature

[Handwritten Signature]

Date

[Handwritten 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

W9460.00199

2-15637

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) 870-7264.

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) 870-7264.

1. Direct Costs/Coûts directs

B.D. EXTENSION

Type	Description	Amount Montant	Totals Total global
<i>Wages Salaires M.H.V.F. 60000 J.R. 60000</i>	Labour <i>33 DAYS</i>	3300.00	
	Main d'œuvre <i>33 DAYS</i>	3700.00	
	Field Supervision Supervision sur le terrain	—	7000.00
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		7000.00	

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		
	<i>1 4WD TOYOTA PICKUP WITH GPS</i>		
	<i>55.00/DAY FOR 33 DAYS.</i>		
			1815.00
Food and Lodging Nourriture et hébergement	<i>33 DAYS x 15/day/ mon.</i>		990.00
Mobilization and Demobilization Mobilisation et démoblisation			
20% Sub Total of Indirect Costs Total partiel des coûts indirects			1400.00
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			7000.00
Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs)			8400.00

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.

Timing Discounts

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

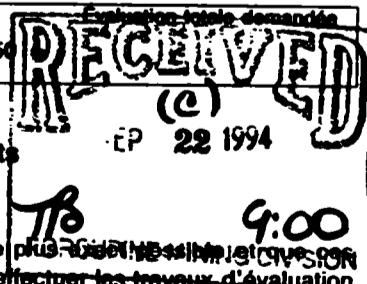
Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
	x 0.50 =

Remises pour dépôt

- Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
- 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	x 0.50	Exposition totale demandée
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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 in the accompanying Report of Work form.

I, Recorded Holder am authorized (Recorded Holder, Agent, Position in Company)

I make this certification

Attestation de l'état des coûts

J'atteste par la présente :

que les montants indiqués sont le plus précis 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 Recorded Holder je suis autorisé (titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature [Signature] Date Sept 15/94

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number W9460.00200

Res. Sect. - Kirkland Lake

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.

2.15637

- 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>JOHN GRANT / YOOD COLLINS</i>	Client No.
Address <i>Box 1880, Timmins Ont. P4N-7Y1</i>	Telephone No. <i>267-4151</i>
Mining Division <i>PORCUPINE</i>	Township/Area <i>DELORO TWP.</i>
From: <i>JULY 17/94</i>	To: <i>JULY 25/94</i>
M or G Plan No. <i>G-3993</i>	

Work Performed (Check One Work Group Only)

Work Group	Type
Geotechnical Survey	
Physical Work, Including Drilling	<i>BACKHOE STRIPPING, HYDRO WASHING, SAMPLING</i>
Rehabilitation	
Other Authorized Work	
Assays	<i>BODARR CLEGG ASSAYS</i>
Assignment from Reserve	

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OCT 1 8 1994
MINING LANDS BRANCH

Total Assessment Work Claimed on the Attached Statement of Costs \$ 11,513.00

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>R. COLLINS</i>	<i>199 Lois Cr. Timmins, Ont.</i>
<i>Y. COLLINS</i>	<i>Box 1880 Timmins, Ont.</i>
<i>J. GRANT</i>	<i>Box 1880 Timmins, Ont.</i>

Attach a schedule if necessary)

Verification 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: *SEP 15/94* Recorded Holder or Agent (Signature): *[Signature]*

Verification 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: *J. GRANT Box 1880, Timmins, Ont.*

Telephone No.: *267-4151* Date: *Sept 15/94* Certified By (Signature): *[Signature]*

Recorder Office Use Only

Total Value Cr. Recorded <i>\$11,513</i>	Date Recorded	Mining Recorder	RECEIVED SEP 22 1994 9:00
Deemed Approval Date <i>DEC 21, 1994</i>	Date Approved		
Date Notice for Amendments Sent			

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units
2.15637	1190540	3
	1190541	1
	1190542	2
	1190543	1
Total Number of Claims		4

Value of Assessment Work Done on this Claim	Value Applied to this Claim	
11,513.00	4,799.00	
0	1,599.00	
0	3,199.00	
0	1,599.00	
Total Value Work Done		11,513.00
Total Value Work Applied		11,196.00

RECEIVED
 OCT 19 1994
 MINING LANDS BRANCH

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date	
11,196.00	317.00	
Total Assigned From		11,196.00
Total Reserve		317.00

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. 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 or leased land at the time the work was performed

Signature

[Handwritten Signature]

Date

10/15/94



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
W9460.00200

2-15537

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) 870-7264.

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) 870-7264.

1. Direct Costs/Coûts directs **B.D. EXT. PROPERTY**

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour 2 MEN/800.00	800.00	
	Main-d'oeuvre 8 DAYS	800.00	
	Field Supervision Supervision sur le terrain		1600.00
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type 8 DAYS		
	BAKITE R. COLLINS July 17-25/94	1985.60	7,885.60
	3 DAYS 1.5 MD DRAFTING/TYPING	495.00	495.00
Supplies Used Fournitures utilisées	Type		
	ASSAYS BAKITE		
	CLEAN.	692.83	692.83
Equipment Rental Location de matériel	Type		
Total Direct Costs Total des coûts directs			10,673.

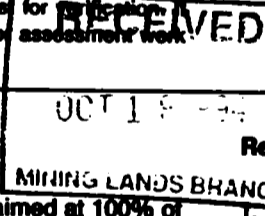
2. Indirect Costs/Coûts indirects

** 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		
	1 3/4 Ton Ford TRUCK FOR 8 DAYS at 75.00/day.	600.00	
Food and Lodging Nourriture et hébergement	2 MEN @ 15.00/day man x 8 DAYS	240.00	
Mobilization and Demobilization Mobilisation et démoblisation			
Sub Total of Indirect Costs Total partiel des coûts indirects			840.00
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			10,673.00
Total Value of Assessment Credit (Total of Direct and Allowable indirect costs) Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)			11,513.00

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.



Working 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:

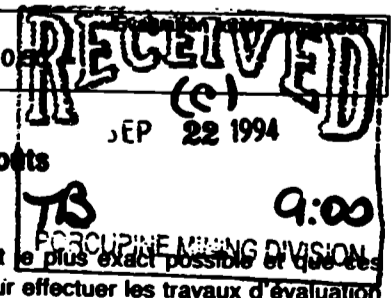
Total Value of Assessment Credit	Total Assessment Claimed
	x 0.50 =

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	x 0.50 =
--------------------------------------	----------



Attestation 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.

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.

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

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

I make this certification

à faire cette attestation.

Signature: [Signature] Date: Sept 15/94

Note: 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 Section
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

November 23, 1994

Our File: 2.15637
Transaction #: W9460.00199
#: W9460.00200

Mining Recorder
Ministry of Northern
Development and Mines
60 Wilson Avenue
1st Floor
Timmins, Ontario
P4N 2S7

Dear Sir/Madam:

**Subject: APPROVAL OF ASSESSMENT WORK CREDITS ON MINING CLAIMS
1190540 & 1190541 IN DELORO TOWNSHIP**

Assessment work credits have been approved as outlined on the report of work form for the submission. The credits have been approved under Section 10, Physical work, Section 12, Geology, Section 14, Geophysical and Section 17, Assays, of the Mining Act Regulations.

The approval date is November 23, 1994.

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

ORIGINAL SIGNED BY:

Yours sincerely,

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

SB/dl

cc: Resident Geologist
Timmins, Ontario

Assessment Files Library
Sudbury, Ontario

MAP SYMBOLOGY

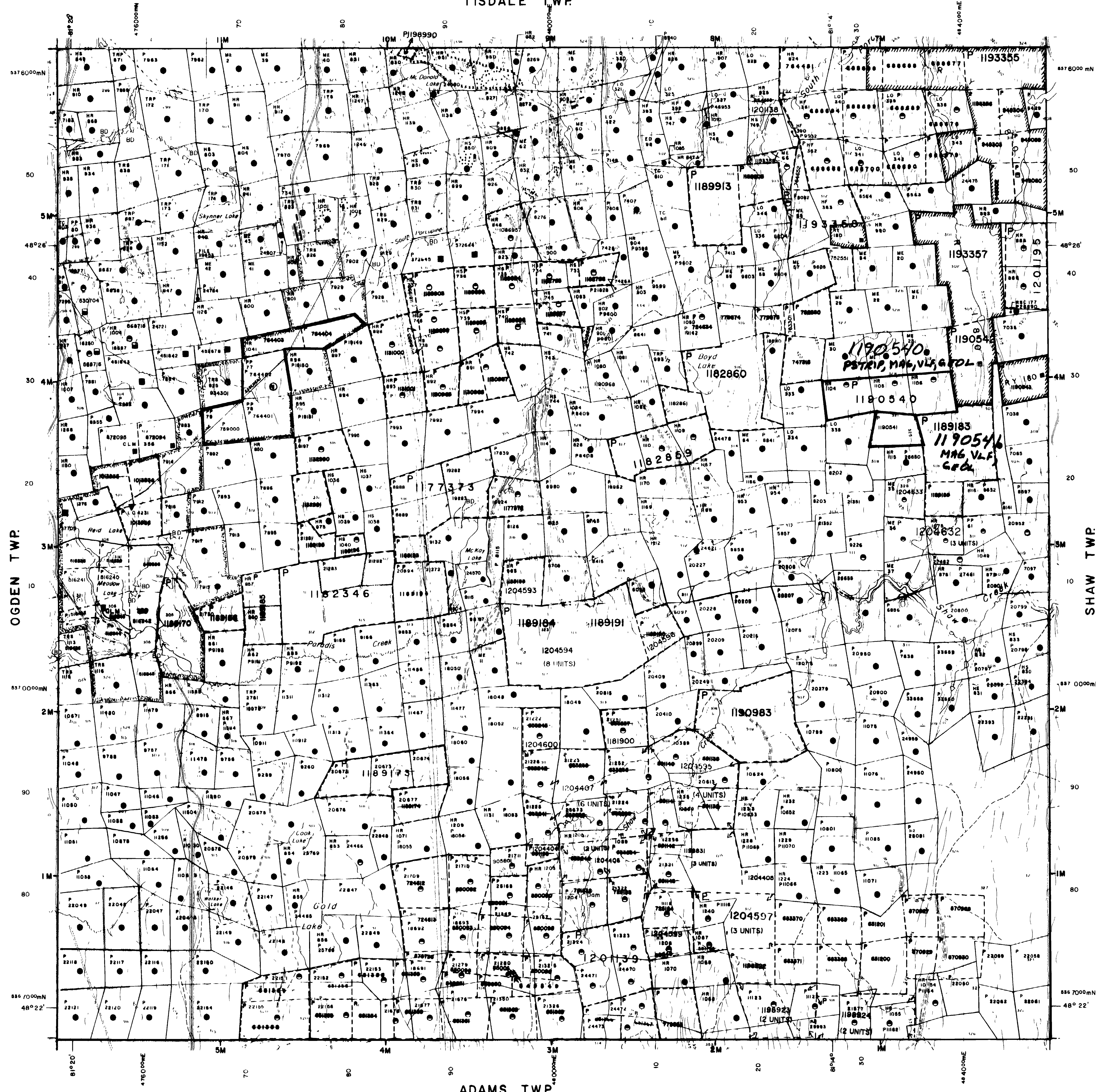
Aerial Cableway	Pipeline
Boundary	Railroad
International	Single Track
Interprovincial	Double Track
District, Township	Associated
Indian Reserve	Township
Approach	Road
Lot, Concession	Highway County
Approach	Township
Post Boundary	Access Road of doubtful maintenance of agricultural airways
Bridge	Trail, Back Road (unimproved street)
Over, Below	Rapids
Building	Double line river with multiple rapids
Chimney	Double line river with multiple rapids
Cliff, Pit, Pile	Double line river with multiple rapids
Contours	Reservoir
Interpolated	River, Stream, Canal
Approximate	Approach
Control Points	Approximate
Horizontal	Approximate
Vertical	Approximate
Culvert	Spot Elevation
Double line river	Trunk elevation 3000
Fence, Hedge, Wall	Tower
Feature Outline	Transmission Line
(Conventional Features, etc.)	Power
Flooded Land	Tunnel
Loss	Utility Poles
Marsh or Swamp	Wharf, Dock, Pier
Mast	Wooded Area
Mine Head Frame	
Outcrop	

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. - MINING RIGHTS ONLY				
S.R.O. - SURFACE RIGHTS ONLY				
M.R.S. - MINING AND SURFACE RIGHTS				
Description	Order No.	Date	Disposition	File

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.

TISDALE TWP.



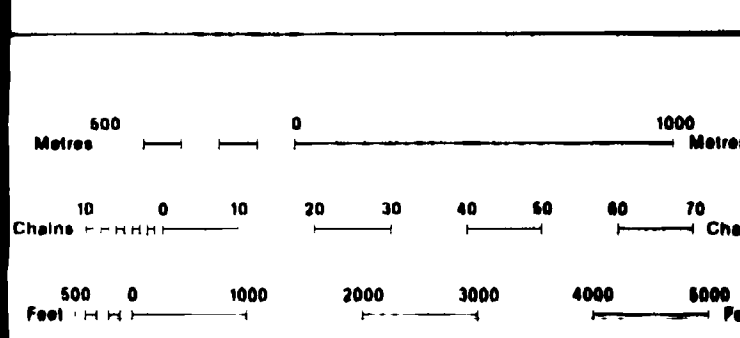
ADAMS TWP.

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 MUSKIE	
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	



SCALE 1:20 000
GRID ZONE 17

NOTES

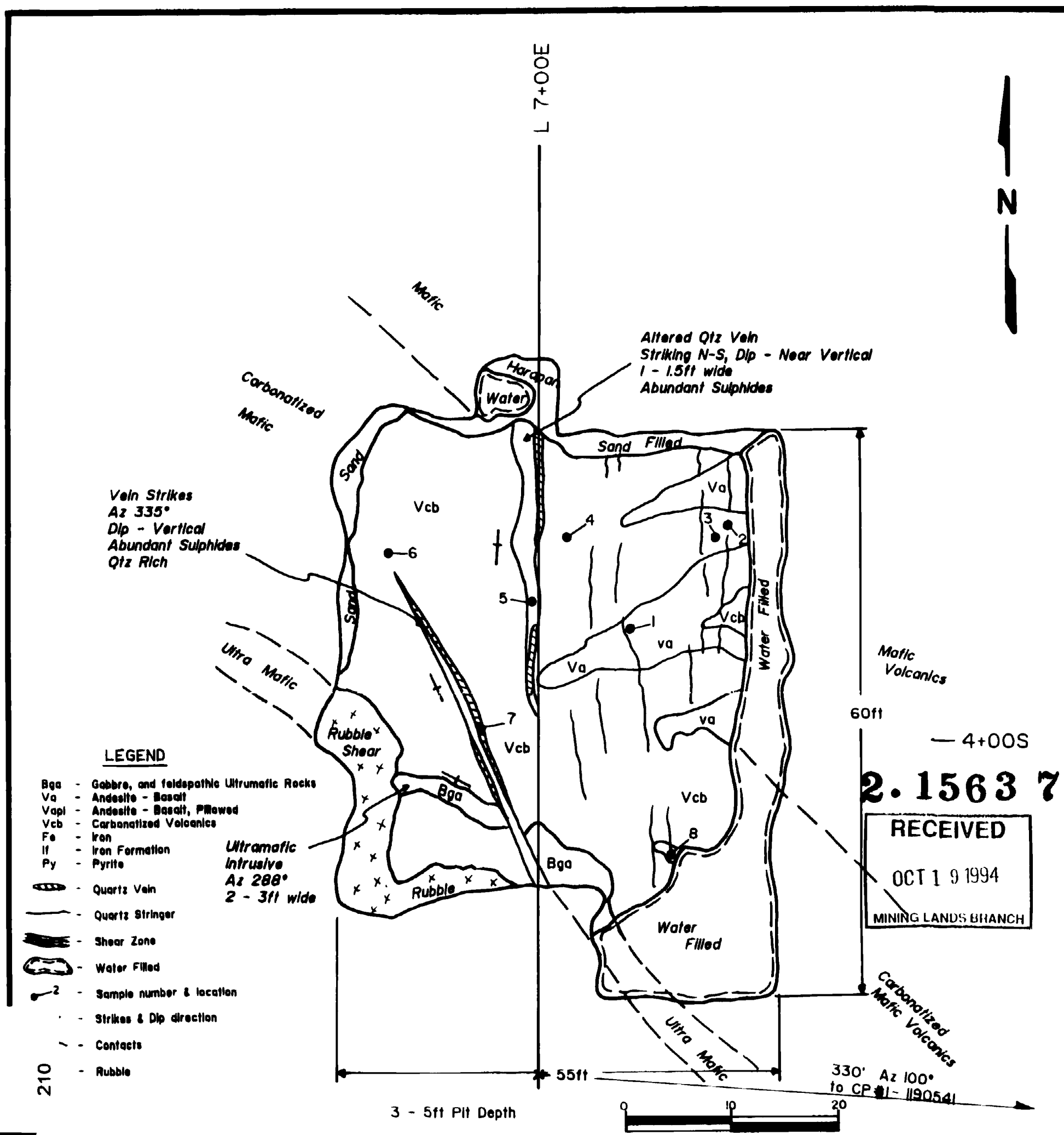
- REGISTERED PLAN OF SUBDIVISION
- MINING CLAIMS SHOWN WITHIN THIS AREA ARE SUBJECT TO THE RIGHTS AND PRIVILEGES GRANTED TO DELNITE MINES LTD. UNDER AN EASEMENT ORDER DATED MAY 19, 1937.
- HOME MINES, LIMITED SURFACE RIGHTS LEASE #103826

2.1563 7
ISSUED

RECEIVED
OCT 19 1994
MINING LANDS BRANCH

TOWNSHIP
DELORO
M.N.R. ADMINISTRATIVE DISTRICT
TIMMINS
MINING DIVISION
PORCUPINE
LAND TITLES / REGISTRY DIVISION
COCHRANE

Ministry of Natural Resources
Land Management Branch
Ontario
ACTIVATED NOV 24/93 BY: D.C.
ORIGINAL COMPILATION JULY 1984
REVISOR
CHECKED BY: A.R.W.
Number
G-3993



Vein Strikes
Az 335°
Dip - Vertical
Abundant Sulphides
Qtz Rich

LEGEND

- Bga - Gabbro, and feldspathic Ultramafic Rocks
- Va - Andesite - Basalt
- Vap - Andesite - Basalt, Pilewed
- Vcb - Carbonized Volcanics
- Fe - Iron
- If - Iron Formation
- Py - Pyrite
- Quartz Vein
- Quartz Stringer
- Shear Zone
- Water Filled
- Sample number & location
- Strikes & Dip direction
- Contacts
- Rubble

2.1563 7

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MINING LANDS BRANCH

SAMPLE #	PPM NI	PPB Au
1	55	323
2	42	156
3	23	354
4	11	224
5	14	270
6	7	1335
7	98	81
8	10	263

SCALE (ft)
0 10 20

EXSICS EXPLORATION LTD.
P.O. Box 1000, P4N-7X1
Suite 13, Hollinger Bldg, Timmins Ont.
Telephone: 705-267-6851

CLIENT: J. GRANT / Y. COLLIN OPAP
PROPERTY: BD EXTENSION PROPERTY
TITLE: DELORO TWP.
TRENCH # 3

Date: Aug. 1994 Scale: 1"=10' NTS
Drawn: P.G. Interp: J.C. Grant Job No E-O

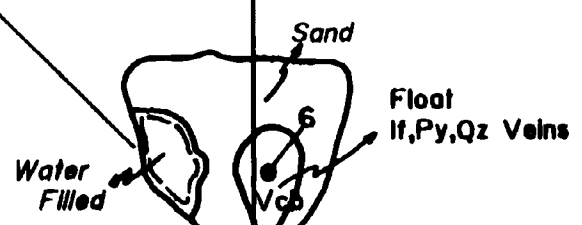
42AUGNE0022 2 15637 DELORO

575 ft Az 35°
 To 1-HR-104
 2-ME-30
 3-ME-31
 4-HR-105

L 5+00E



I+25S



130ft to Trench # 5

Bush Road

Bush Road

15ft Az 310°
 O/C on Road
 Vcb

18ft Az 310°

TRENCH
 4 - 6 ft
 Deep

60°-70°
 Shear Zone
 Sulphide Lens
 Qtz Veining

77 ft

Mafic
 Volcanics

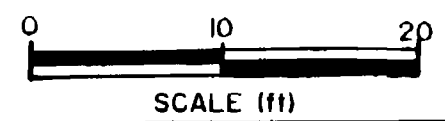
Mafic
 Volcanics

RECEIVED
 OCT 19 1994
 MINING LANDS BRANCH

2.15637

LEGEND

- Bga - Gabbro, and feldspathic Ultramafic Rocks
- Va - Andesite - Basalt
- Vapl - Andesite - Basalt, Pflowed
- Vcb - Carbonalized Volcanics
- Fe - Iron
- If - Iron Formation
- Py - Pyrite
- Quartz Vein
- Quartz Stringer
- Shear Zone
- Water Filled
- Sample number & location
- Strikes & Dip direction
- Contacts
- Rubble



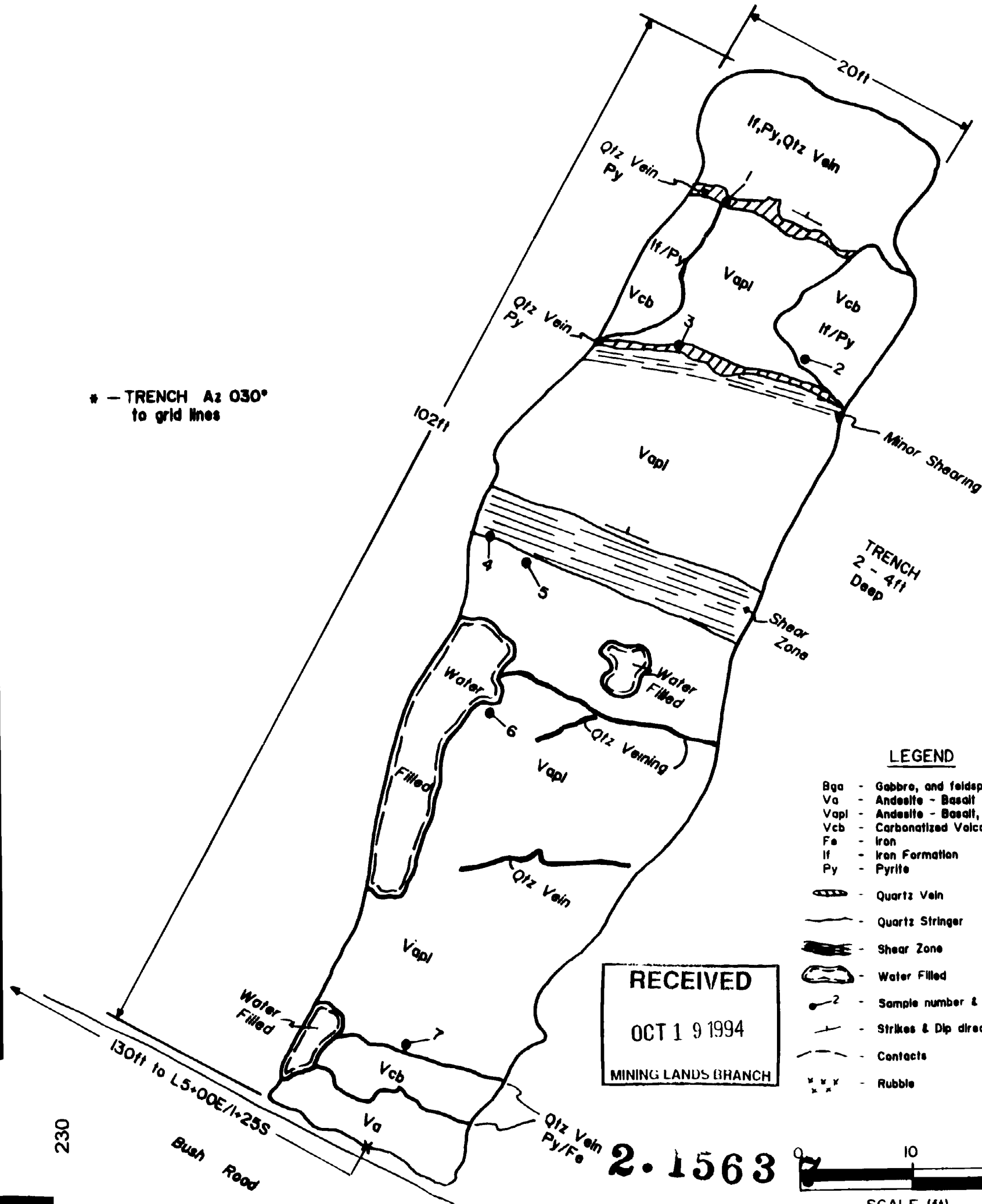
SAMPLE #	PPM Ni	PPB Au
1	35	16
2	15	32
3	25	123
4	30	91
5	11	773
6	42	265

EXSICS EXPLORATION LTD. P.O. Box 1000, P&H-7X1 Suite 13, Hollinger Bldg, Timmins Ont Telephone: 705-267-4151		
CLIENT: J. GRANT / Y. COLLIN OPAP		
PROPERTY: BD EXTENSION PROPERTY		
TITLE: DELORO TWP. TRENCH # 4		
Date: Aug. 1994	Scale: 1"=10'	NTS
Drawn: P.G.	Interp. J.C. Grant	Job No E-0

42A08NEM022.2.15637 DELORO



* - TRENCH Az 030°
to grid lines

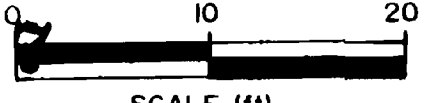


LEGEND

- Bga - Gabbro, and feldspathic Ultramafic Rocks
- Va - Andesite - Basalt
- VapI - Andesite - Basalt, Pillowed
- Vcb - Carbonatized Volcanics
- Fe - Iron
- If - Iron Formation
- Py - Pyrite
- Quartz Vein
- Quartz Stringer
- Shear Zone
- Water Filled
- Sample number & location
- Strikes & Dip direction
- Contacts
- Rubble

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MINING LANDS BRANCH

2-1563



SCALE (ft)

AMPLE #	PPM Ni	PPB Au
1	15	<5
2	22	112
3	8	32
4	44	216
5	65	482
6	56	712
7	17	111



EXSICS EXPLORATION LTD.
P.O. Box 1000, P4N-7X1
Suite 10, Hollinger Bldg, Timmins Ont.
Telephone: 705-267-4851

CLIENT: J. GRANT / Y. COLLIN OPAP

PROPERTY: BD EXTENSION PROPERTY

TITLE: DELORO TWP.
TRENCH # 5

Date: Aug. 1994 Scale: 1"=10' NTS.

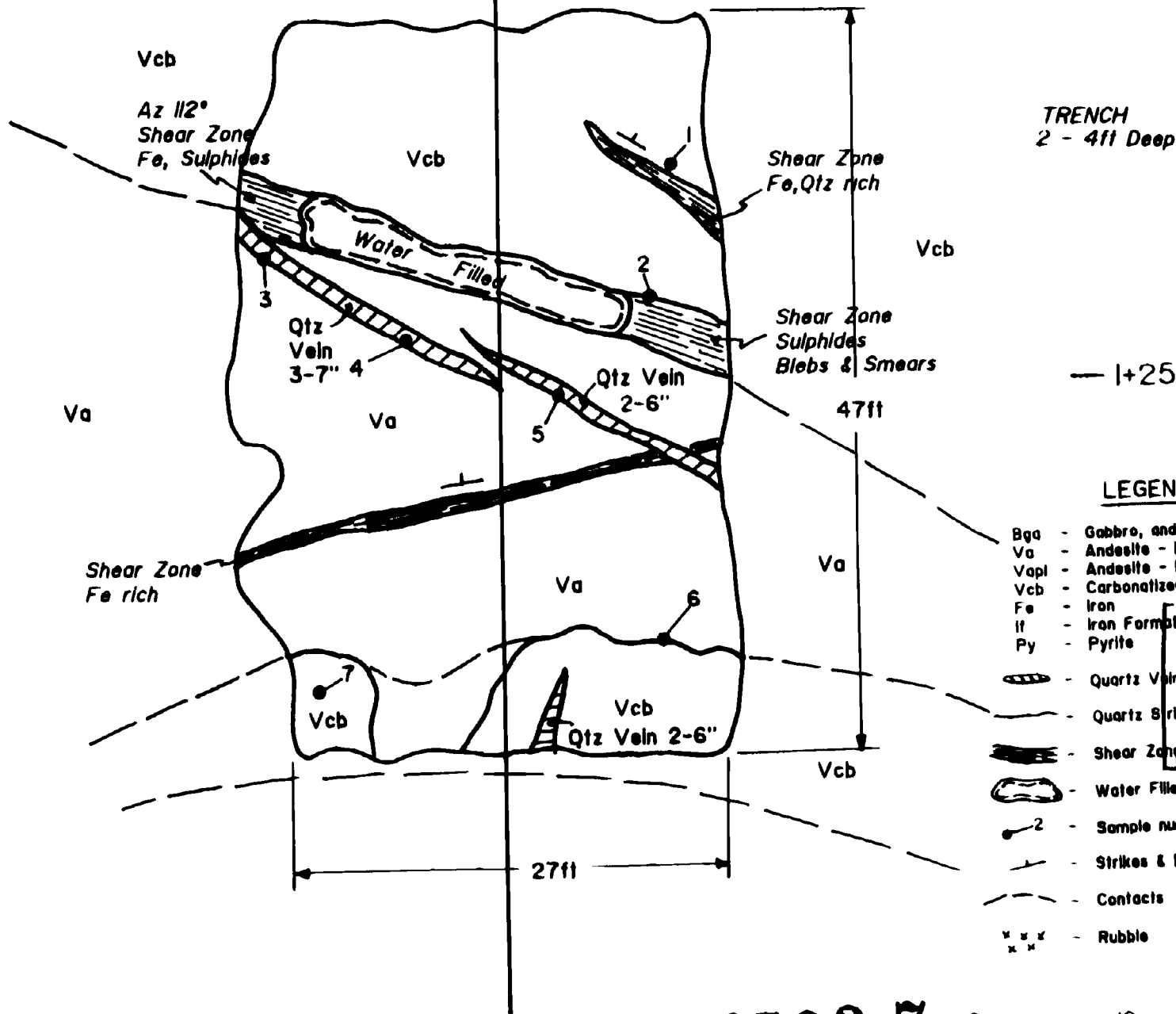
Drawn: P.G. Interp. J.C. Grant Job No E-0

42A06NE0122 2 15637 DELORO



7+00E

410ft North
1,148ft West
to # IP-HR-1104
2P-ME-30
3P-ME-31
4P-HR-1105



TRENCH
2 - 4ft Deep

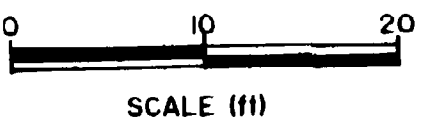
+25S

LEGEND

- Bga - Gabbro, and feldspathic Ultramafic Rocks
- Va - Andesite - Basalt
- Vapl - Andesite - Basalt, Pillowed
- Vcb - Carbonatized Volcanics
- Fe - Iron
- If - Iron Formation
- Py - Pyrite
- Quartz Vein
- Quartz Stringer
- Shear Zone
- Water Filled
- Sample number & location
- Strikes & Dip direction
- Contacts
- Rubble

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MINING LANDS BRANCH

2.1563 7



SCALE (ft)

AMPLE #	PPM Ni	PPB Au
1	56	<5
2	69	<5
3	41	<5
4	17	<5
5	77	<5
6	75	16
7	94	24

EXSICS EXPLORATION LTD.
P.O. Box 1888, P4N-7X1
Suite 13, Hollinger Bldg, Timmins Ont
Telephone: 705-267-4151

CLIENT: J. GRANT / Y. COLLIN OPAP

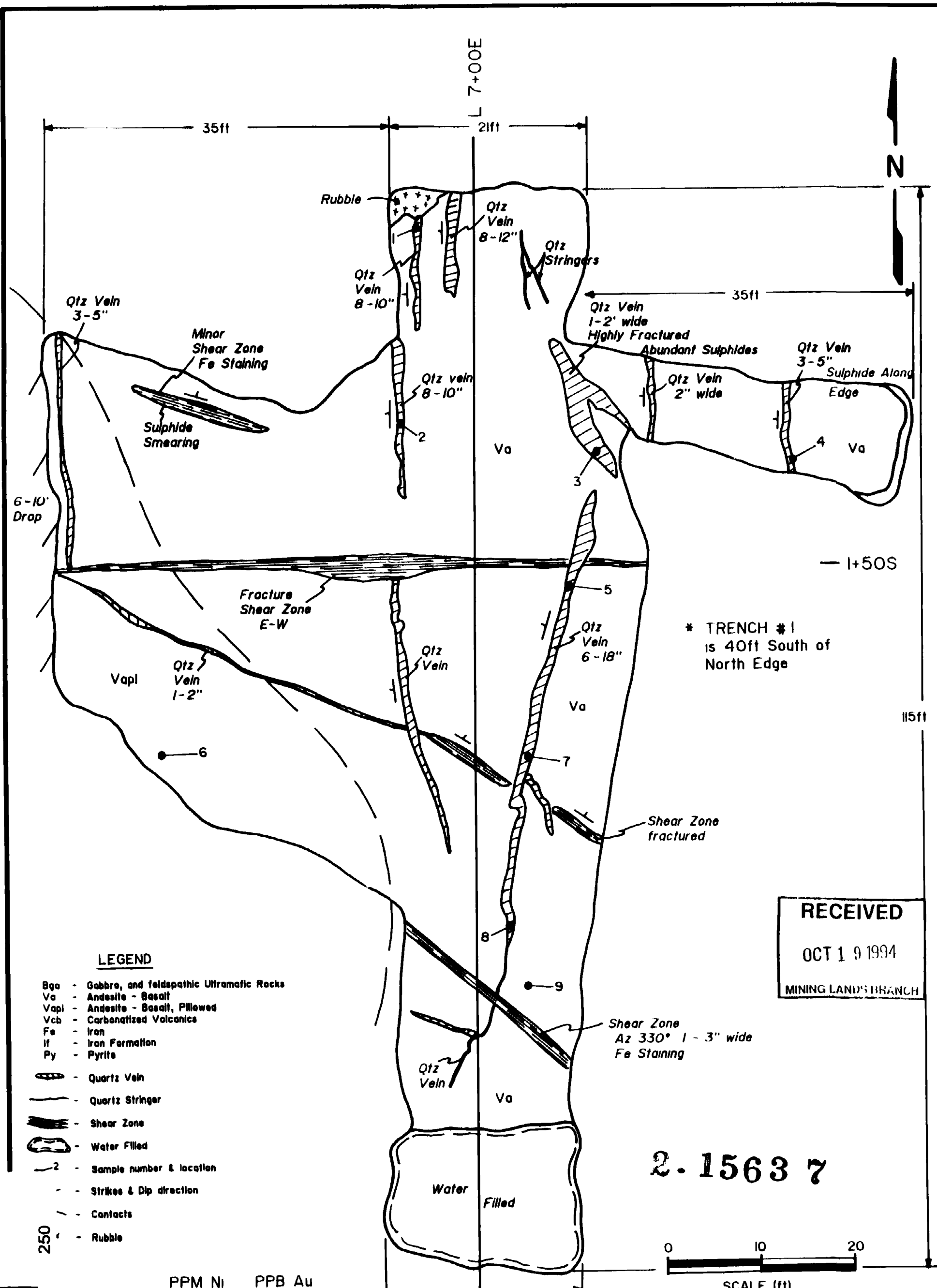
PROPERTY: BD EXTENSION PROPERTY

TITLE: DELORO TWP.
TRENCH # 2

Date: Aug. 1994 Scale: 1"=10' NTS

Drawn: P.G. Interp. J.C. Grant Job No E-0



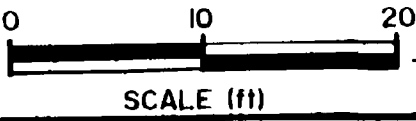


LEGEND

- Bga - Gabbro, and feldspathic Ultramafic Rocks
- Va - Andesite - Basalt
- Vapl - Andesite - Basalt, Pillowed
- Vcb - Carbonatized Volcanics
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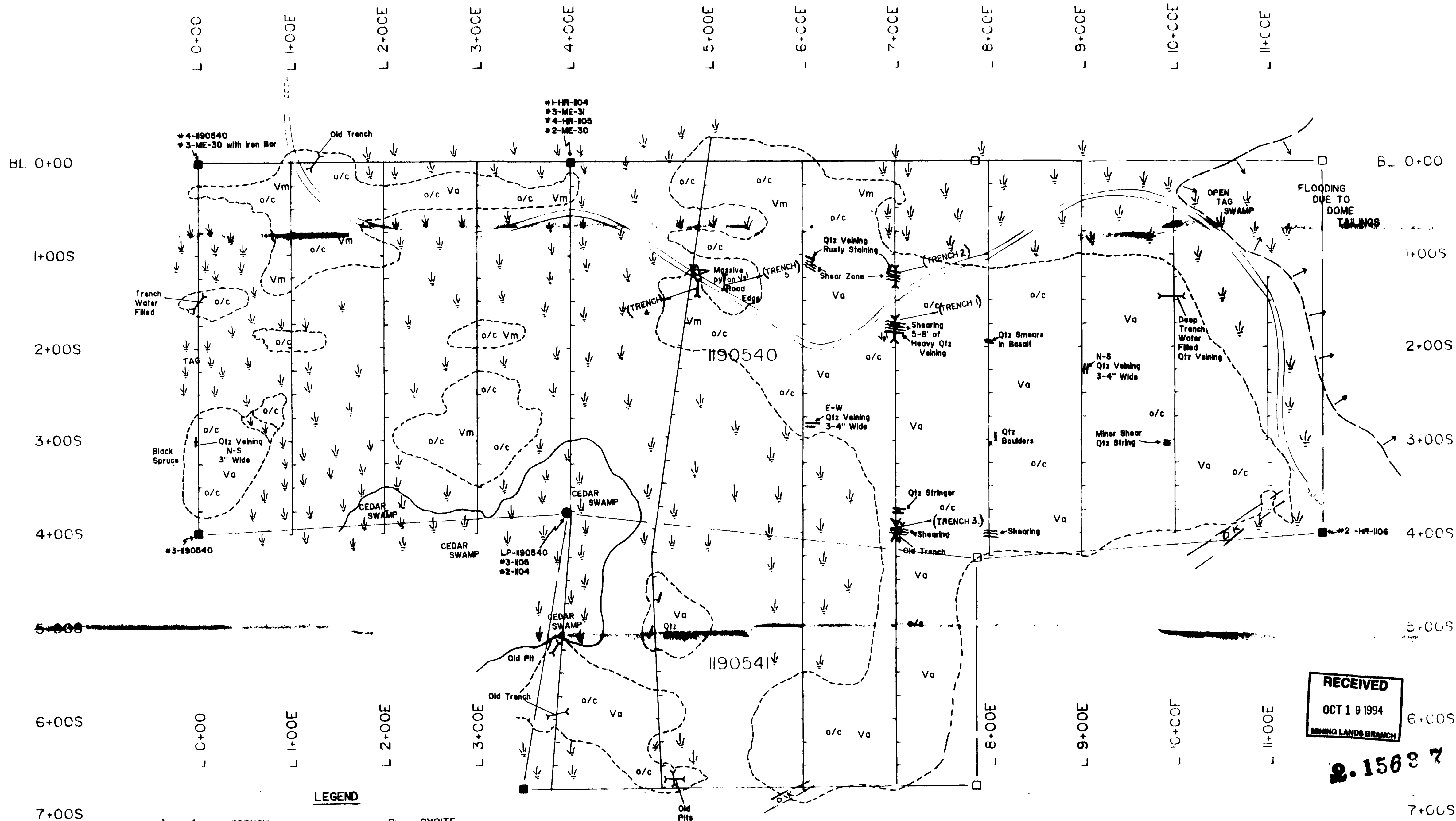
2.15637



SAMPLE #	PPM Ni	PPB Au
1	9	<5
2	5	<5
3	6	<5
4	6	<5
5	6	<5
6	33	30
7	5	<5
8	6	<5
9	42	14

EXSICS EXPLORATION LTD. P.O. Box 1000, P4N-7X1 Suite 13, Hollinger Bldg, Timmins Ont. Telephone: 705-267-4951		
CLIENT: J. GRANT / Y. COLLIN OPAP		
PROPERTY: BD EXTENSION PROPERTY		
TITLE: DELORO TWP. TRENCH # 1		
Date: Aug. 1994	Scale: 1"=10'	NTS
Drawn: P.G.	Interp: J.C. Grant	Job No E-0

42A08NE0022 2 15637 DELORO

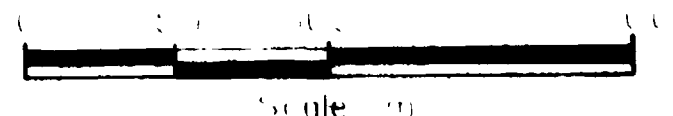


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2.15637

LEGEND

- OLD TRENCH
- OUTCROP BOUNDARY
- QUARTZ VEINING
- SHEAR ZONE
- CLAIM POST LOCATED
- CLAIM POST ASSUMED
- CLAIM LINE
- LINE POST
- SWAMP
- DIKE
- MASSIVE BASALTS
- ANDESITIC BASALTS
- PILLOWED MAFICS
- PYRITE
- WINTER LOGGING ROAD
- DOME TAILINGS FLOOD AREA
- NEW TRENCHING, 1994 OPAP (TRENCH 2)



EXSICS EXPLORATION LTD. P.O. Box 1880, P4N-7X1 Suite 13, Hollinger Bldg, Timmins Ont. Telephone: 705-267-4151		
CLIENT	J. GRANT / Y. COLLIN OPAP	
PROPERTY	B.D. EXTENSION PROPERTY	
TITLE	DELORO TWP. GEOLOGY MAP	
Date	May 1994	Scale: 1:2500
Drawn	P.G.	Interp J.C. Grant
	NTS	Job No E-0





BL. 0+00

1+00S

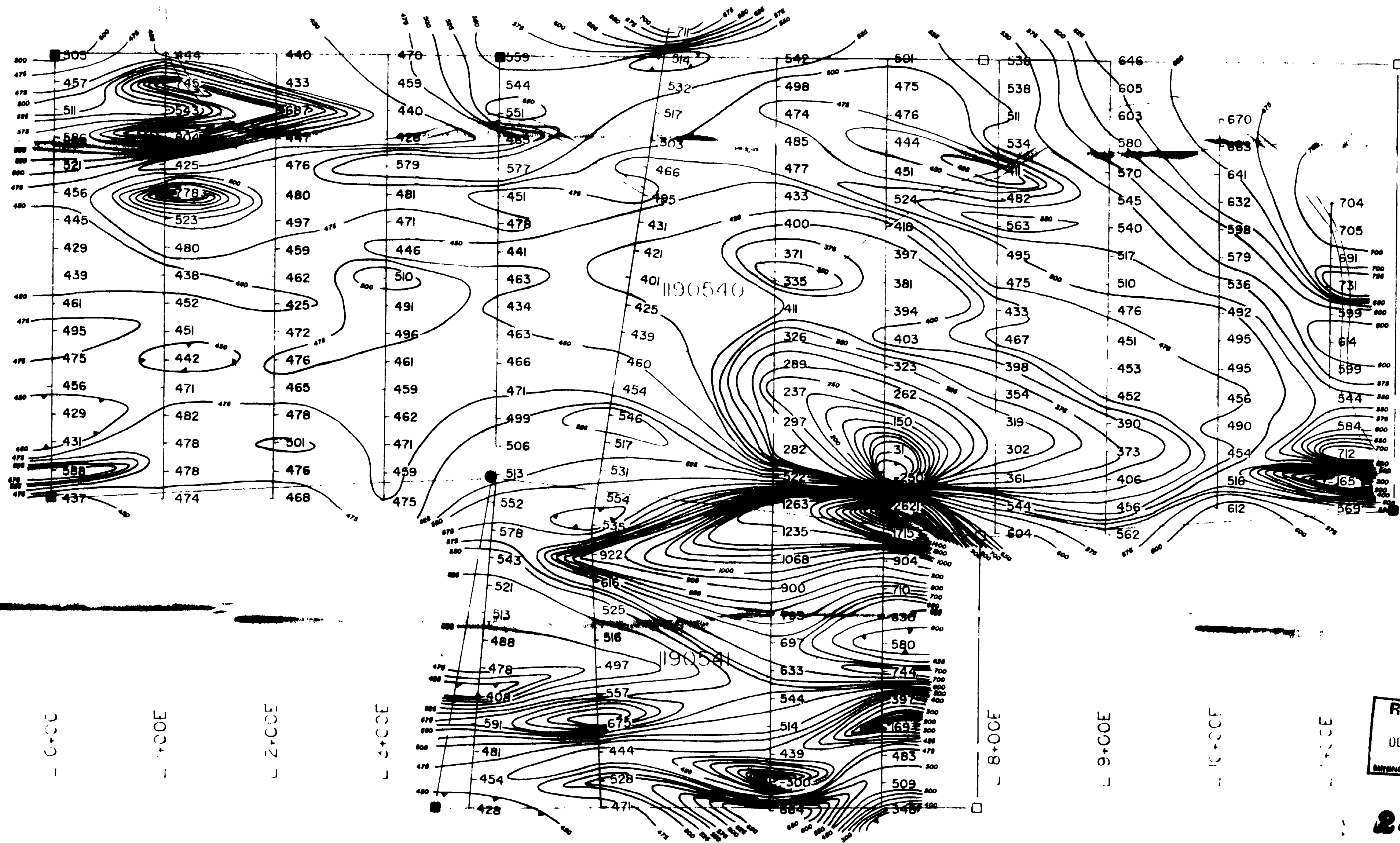
2+00S

3+00S

4+00S

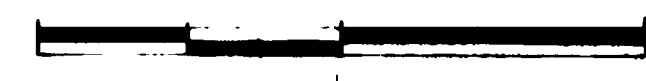
6+00S

7+00S



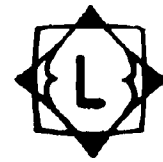
RECEIVED
 OCT 19 1994
 MINING LABS BRANCH

2.15697

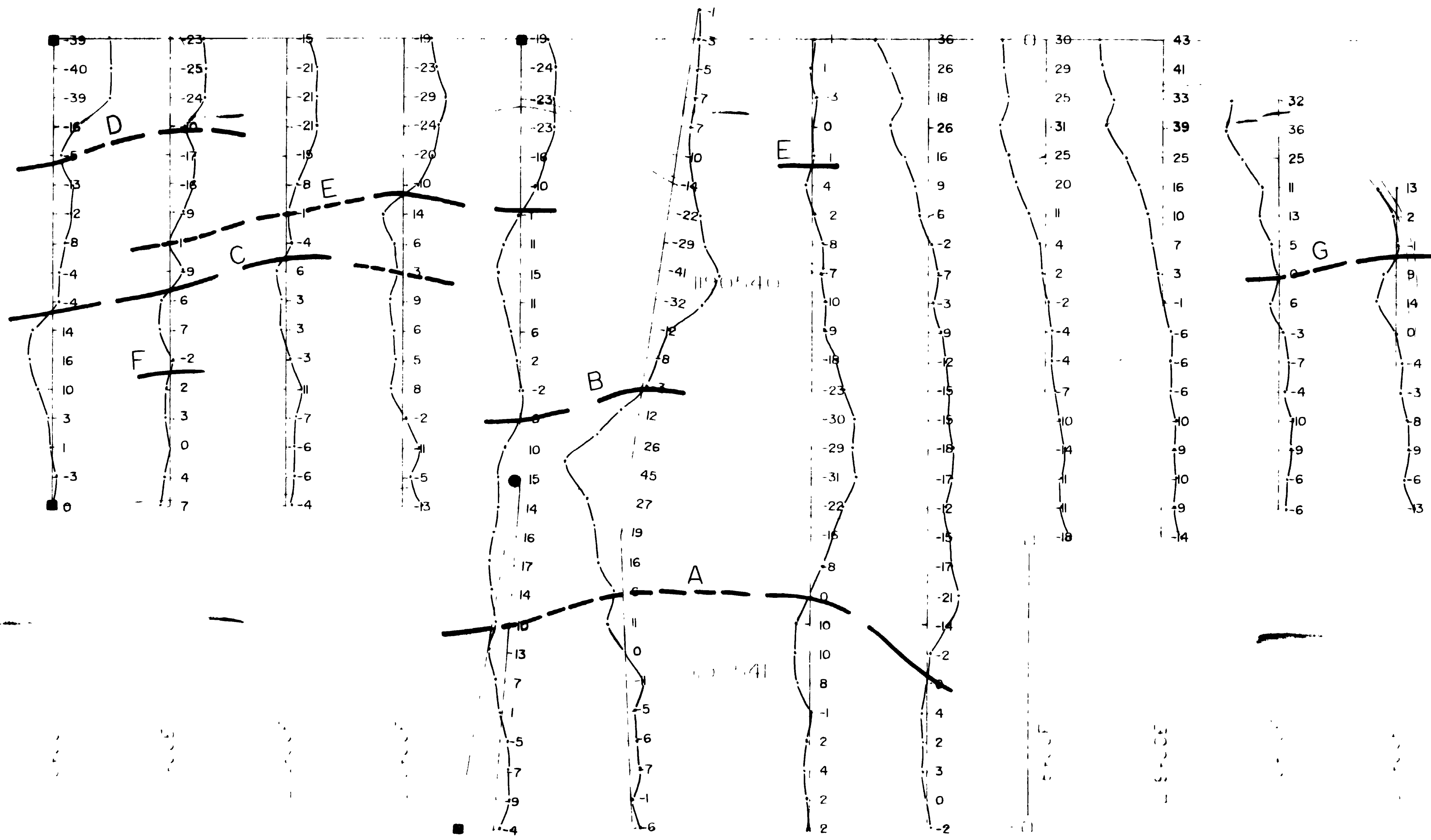


270

LEGEND
 Instrument: EDA OMNI-PLUS
 Parameters Measured: Earth's total magnetic field
 Accuracy: +/- 1 nano-Teslas
 Diurnals: Corrected by base station recorder
 Contour Interval: 0,25,50,75,100,.....
 Reference Field: 59,000
 Datum Subtracted: 58,000

 EXSICS EXPLORATION LTD. P.O. Box 1880, P4N-7X1 Suite 13, Hollinger Bldg, Timmins Ont Telephone 705-267-4151		
CLIENT: J. GRANT / Y. COLLIN OPAP		
PROPERTY: B.D. EXTENSION PROPERTY		
TITLE: DELORO TWP. CONTOURED MAGNETOMETER SURVEY <i>Grant</i>		
Date: May 1994	Scale: 1:2500	NTS
Drawn: P.G.	Interp: J.C. Grant	Job No: E-0

BL. 0+00
1+00S
2+00S
3+00S
4+00S
5+00S
6+00S
7+00S

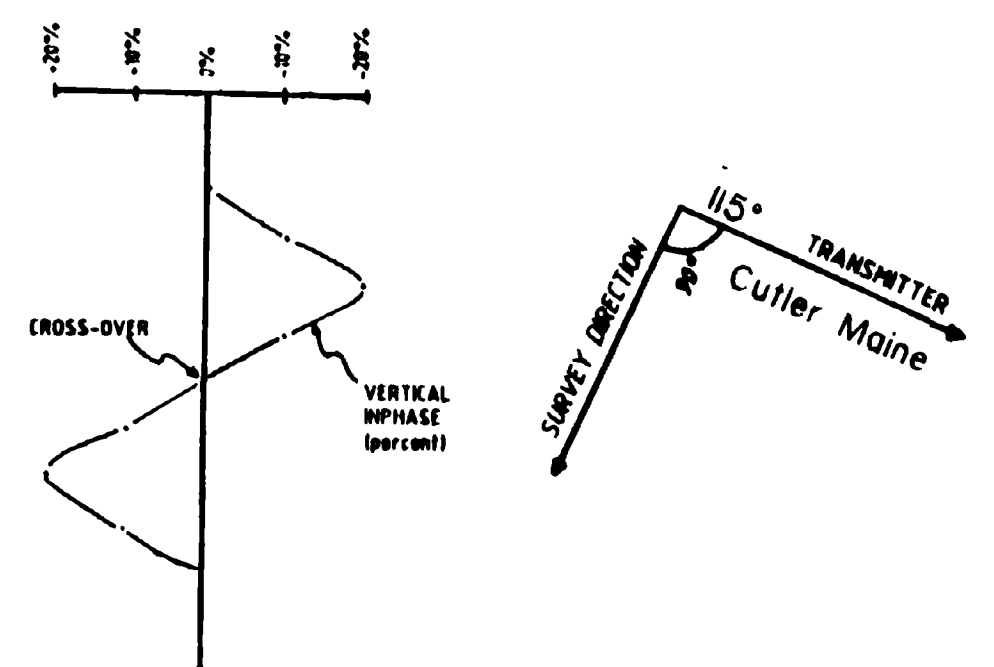



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MINING LANDS BRANCH
2.1563 71

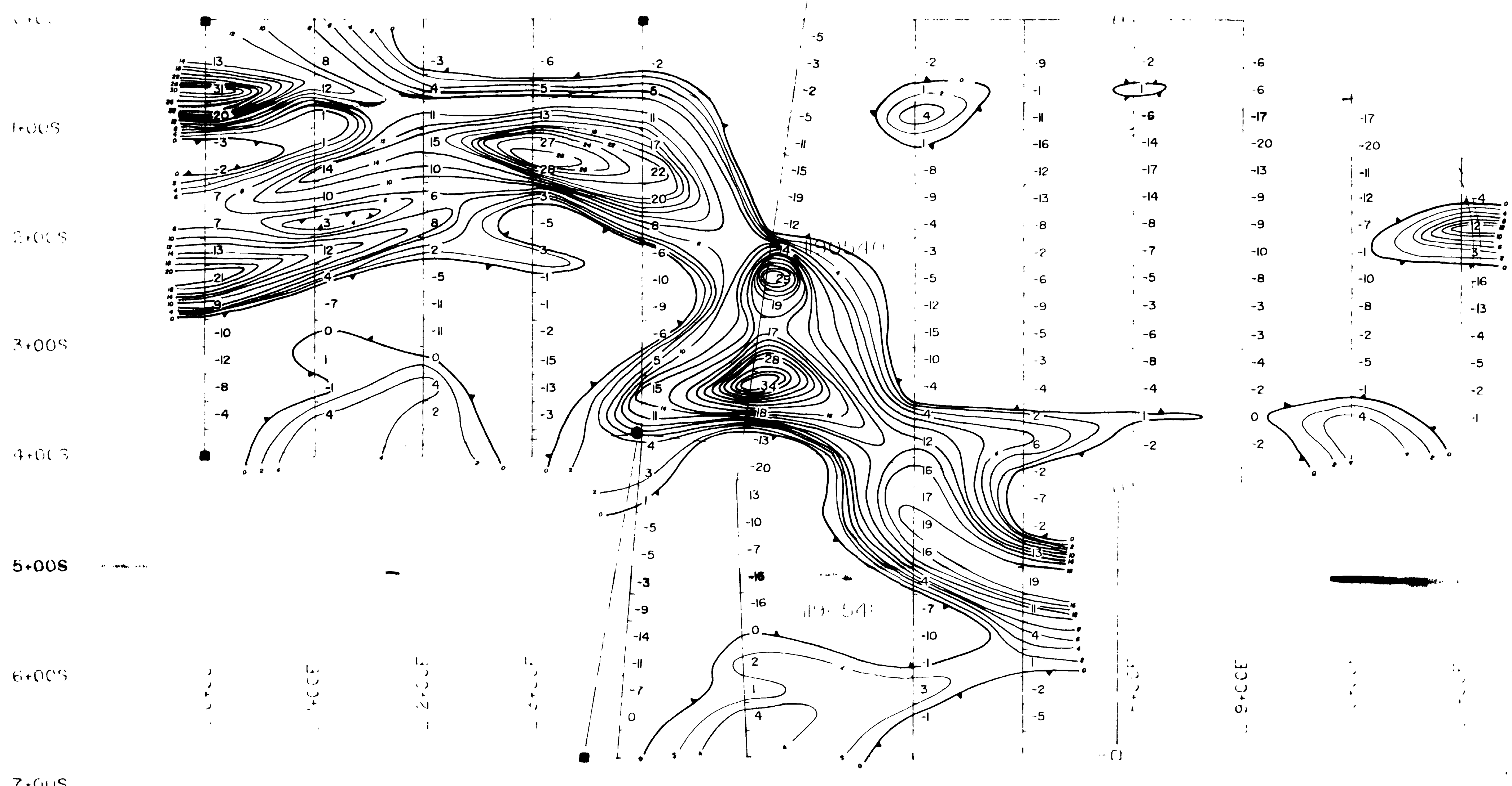


280

LEGEND
INSTRUMENT: EDA OMNI-PLUS
TRANSMITTER STATION: NAA CUTLER MAINE
FREQUENCY: 24.0 KHz
PARAMETRES MEASURED: Inphase Dip Angle
OPERATOR: J.C. Grant
VERTICAL SCALE: 1cm=20%



 EXSICS EXPLORATION LTD P.O. Box 1880, P4N 7X1 Suite 11 Hollinger Bldg, Timmins Ont Telephone 705 267 4151		
CLIENT	J. C. Grant	
PROPERTY	NAA CUTLER MAINE	
TITLE	VLF DIP ANGLE	
Date	1994	Scale
Drawn	J.C. Grant	Interp.



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MINING LANDS - (171/1001)

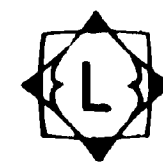
2.15687



290

LEGEND

INSTRUMENT: EDA OMNI-PLUS
 TRANSMITTER STATION: NAA CUTLER MAINE
 FREQUENCY: 24.0 KHz
 VALUES FILTERED: INPHASE DIP-ANGLE
 OPERATOR: J.C. Grant
 CONTOUR INTERVAL: 0,2,4,6,8,10,.....

 EXSICS EXPLORATION LTD P.O. Box 1880, P4N-7X1 Suite 13, Hollinger Bldg, Timmins Ont Telephone 705-267-4151					
			CLIENT	J. GRANT / Y. COLLIN OUPAF	
PROPERTY	H.D. EXTENSION PROPERTY				
TITLE	DELORO TWP				
FRASER FILTERED VLF					
Date	May 1994	Scale	1:2500	NTS	<i>J. Grant</i>
Drawn	P.G.	Interp	J.C. Grant	Job No	F-G