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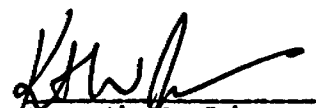
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**INTERIM REPORT**  
  
**ON THE**  
  
**EXPLORATION OF THE**  
  
**MATONA GOLD PROPERTY**  
  
**Tyrrell Township, Ontario**  
  
**FOR**  
  
**ASQUITH RESOURCES INC.**

November 20, 1988  
Toronto, Ontario

OM 88-6-L-053

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Project Geologist



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## SUMMARY

Exploration of the Matona Gold Property in the 1930's traced a gold-bearing horizon over a strike extent of approximately 1400 feet, through a series of surface trenchings and underground development on two levels. Recent exploration by Asquith Resources Inc., of the surface expression of this "Main Zone" confirmed the presence of gold mineralization within this structure, and suggests that the zone remains open both at depth and along its strike extent. Further exploration by means of geophysical methods as well diamond drilling has been recommended.

This most recent exploration has also discovered a new zone of gold mineralization situated approximately 450 feet east of the Main Zone. High-grade gold mineralization has been derived from surface samplings of a north-trending, quartz-bearing shear zone. Geophysical data suggests that this zone extends further to the north over a distance of 1400 feet. Diamond drilling of the vein and its suspected northward continuation is definitely warranted.

## INTRODUCTION

On November 1, 1988, Mr. J. L. Tindale, president of Asquith Resources Inc., 907 - 110 Erskine Ave., Toronto, Ontario, M4P 1Y4, retained the author to prepare a summary report of the Company's recent exploration program on the Matona Mine Property, located in the ShiningTree Area of the Province of Ontario. The scope of this report is to discuss the exploration methods employed during the project, the results generated, and to provide recommendations for a program of exploration to further appraise the economic potential of the property.

The program of exploration on the Matona property was completed during the period of August to October 1988, under the supervision of the author. This report is based on the results of that program, as well as research of available data pertaining to the project area.

## PROPERTY DESCRIPTION, LOCATION, ACCESS, AND TOPOGRAPHY

The ShiningTree Area straddles the boundary between the Districts of Sudbury on the west and the Timiskaming District on the east.

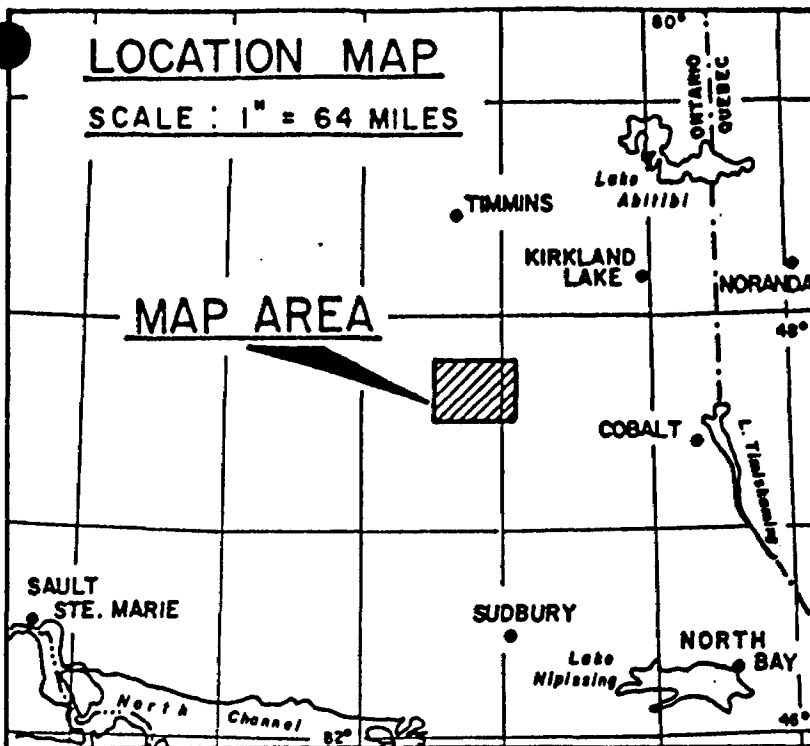
Access is provided via Highway 560 which connects the village of ShiningTree with the villages of Gowganda and Elk Lake to the east, and Westree to the southwest. Further to the west, the junction of Highway 560 and 144 provides all-weather access to the cities of Sudbury and Timmins.

The Matona Gold Property is comprised of 19 leased and contiguous mining claims situated in the northwestern section of Tyrrell township. The claims cover 791.04 acres and are numbered as follows: G.G.5843 to G.G.5851 inclusive, G.G.5957 to G.G.5965 inclusive, and G.G.6273. Access to the leases is provided along a bush road extending south from Highway 560, just east of a high-voltage transmission line, approximately 17 miles west of the village of Gowganda. Logging roads extending off of the main bush road provide excellent access to all sections of the property.

Topographically, the area consists of south-trending depressions characterized by swampy creek-beds, surrounded to both the east and west by north-trending ridges rarely exceeding 100 feet in relief. Overburden generally consists of outwash deposits which can vary in thickness from 5 to 100 feet. Vegetation is mixed second growth comprised predominantly of alders, birch and poplar along with stands of black spruce and cedar. The southeastern-most section of the property has been cleared by logging operations and is covered with a thick growth of poplar seedlings.

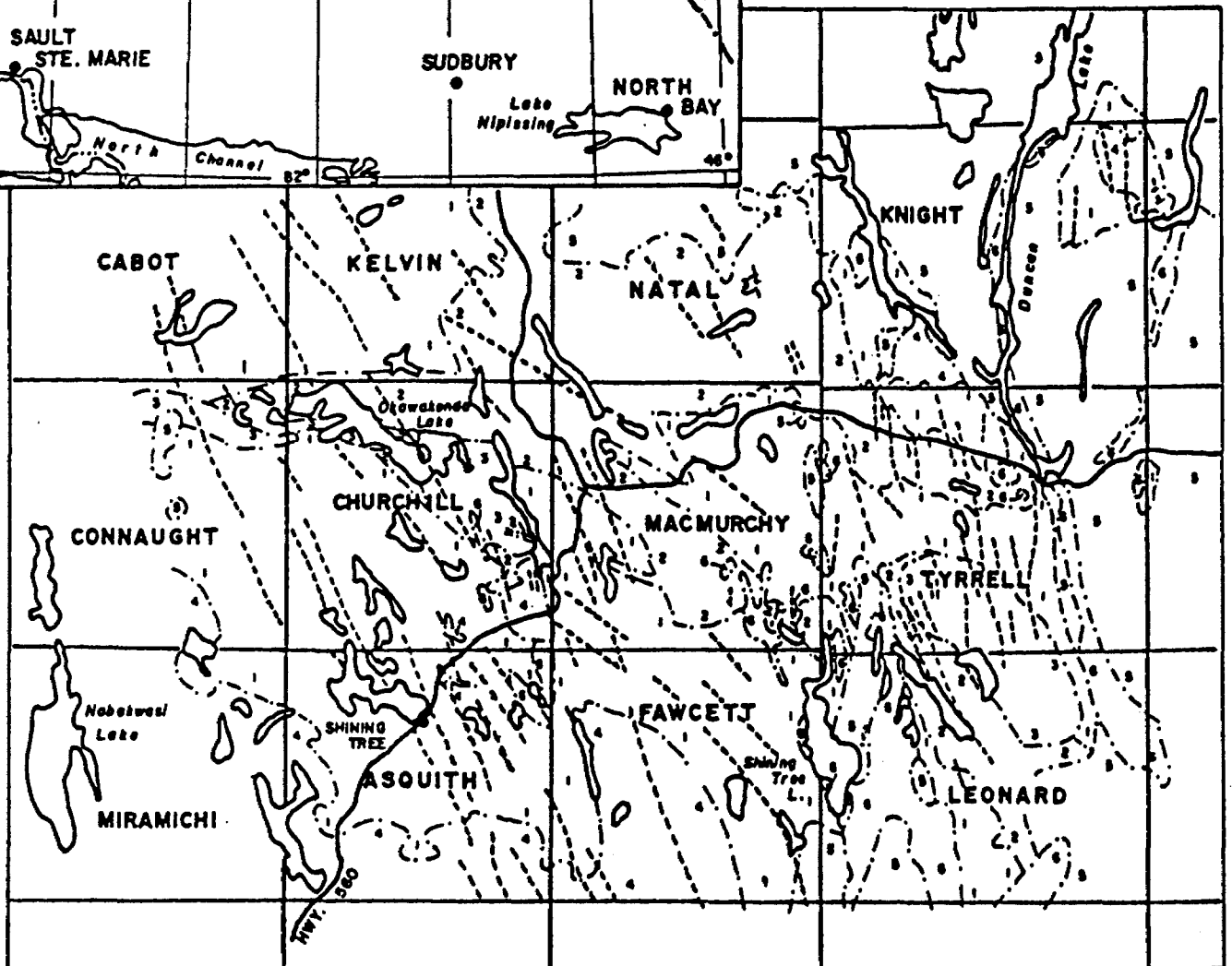
# LOCATION MAP

SCALE : 1" = 64 MILES



# LEGEND

- 7 MATACHEWAN TYPE DIABASE
- 8 NIPISSING TYPE INTRUSIVE DIABASE
- 5 HURONIAN SEDIMENTS
- 4 FELSIC INTRUSIVE ROCKS
- 3 METASEDIMENTS
- 2 FELSIC METAVOLCANICS
- 1 INTERMEDIATE & MAFIC METAVOLCANICS



LOCATION & GENERAL GEOLOGICAL MAP

SHINING TREE AREA

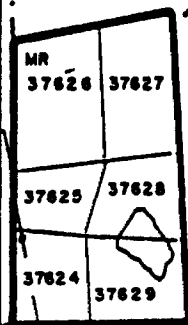
SUDBURY & TIMISKAMING DISTRICTS, ONTARIO

SCALE : 1" = 4 MILES

SEPT., 1981

DECKER PROPERTY ?

TYRANITE PROPERTY



Moon Lake

KNIGHT TWP.

TYRRELL TWP.

McINTYRE PROSPECT

GG 5816

5818

5803

5800

5804

5801

5808

5802

Spade L.

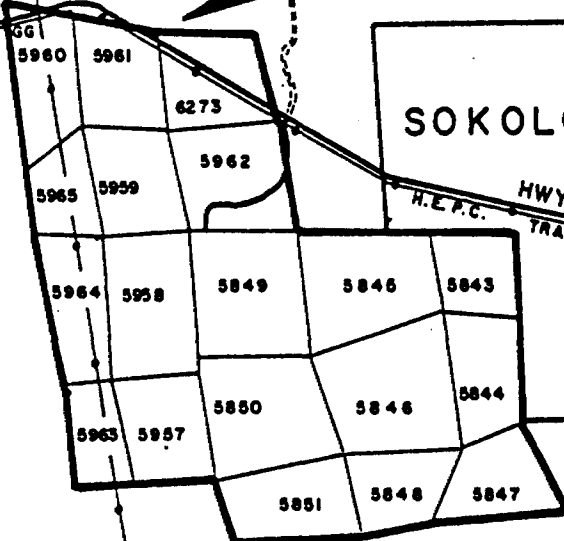
MATONA PROPERTY

Milly L.

SLOANE

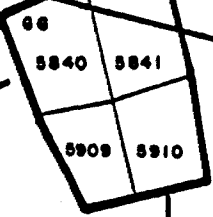
M'G. CO. LTD. ?

SOKOLOFF ?



H.W.P.C. HWY. 560 TRANSMISSION LINE

Porphyry L.



MINTO PROPERTY

FOXDALE MINES

? Breeze L.

PROPERTY MAP

KNIGHT & TYRRELL TWPS

DISTRICT OF TIMISKAMING, ONT.

SCALE : 1" = 1/2 MILE

SEPT., 1981

MAP NO. 2.

## HISTORY

The history of the area has been well documented by Rennick, M.W. (1988). In short, gold was first discovered in the ShiningTree area in 1911. Numerous gold discoveries followed, and in 1930 claims were staked to cover a gold-bearing shear zone located in the northwestern corner of Tyrrell township. Under the Matona Mining Syndicate the gold-bearing shear was tested through a series of trenches and eight short diamond drill holes totalling 1,249 feet. All the holes cut the vein structure, and in 1935 underground development of the structure was inaugurated.

By 1937 two drift levels were established at the 125 and 215 foot horizons through a two compartment shaft completed to a depth of 231 feet. One raise to surface from the 125 foot level was completed as well as drifting and crosscutting on both levels amounting to 1623 feet. Only limited work was completed on the 215 foot level but the downward continuance of the vein structure was confirmed.

In 1946, seven drill holes were completed totalling 3,007 feet in the area of the shaft which also confirmed the downward extension of the vein structure.

From 1946 onwards there has been little or no exploration on the property. Several parties had attempted to arrange financing for re-evaluation but were not successful in their efforts.

## DESCRIPTION OF ASQUITH RESOURCES' EXPLORATION PROGRAM

Asquith Resources completed this reported surface exploratory program during the period of August 10 to October 20, 1988. The program consisted of approximately 23 miles of linecutting, generating picketed grid lines with 100 foot station-intervals. The individual lines were spaced at 200 foot intervals over the central portion of the property, and 400 foot spacings over the most northerly and southerly extensions of the property. All grid lines were cut both to the east and west off a centrally located, north-trending baseline.

A magnetic survey was completed over the land portion of the grid utilizing a GEM Systems GSM-8 proton field magnetometer with an absolute accuracy of  $\pm 1$  gamma. A GEM Systems base station recorder was used to monitor and correct for diurnal drift of the magnetic field during the survey .

A VLF electromagnetic survey was also completed over the land portion of the grid utilizing a CRONE Radem VLF-e.m. receiver, and transmitter stations located in Cutler, Maine and Annapolis, Maryland.

Stripping of the overburden covering the Main Zone of

mineralization north and west of the Matona shaft was initiated on September 12, 1988. A D-7 Caterpillar tractor was first used to clear the surface vegetation from the Main Zone as defined by the old surface trenchings. A John Deere 650 excavator-type back-hoe was then utilized to scrape the bedrock clean of all soil deposits. The bedrock then exposed was washed with water using a Wajax Mark-4 fire pump. This same procedure was also carried out over an series of trenches 450 feet east of the shaft, immediately west of Hare Creek. In all approximately 41,000 square feet of bedrock was exposed and washed for detailed mapping and sampling purposes.

All exposed areas were surveyed into a detailed reference grid which was tied into grid-line locations at regular intervals. On the Main Zone of mineralization at the Matona shaft a reference line was surveyed along the axis of the mineralized zone with iron bars being placed at 50 and 100 foot intervals, these points being leveled with respect to the shaft elevation of 0.00 feet. The exposures along the western edge of Hare Creek were tied into a survey line trending at N20°W. Both the Main and Hare Creek reference lines have been surveyed to a common point located 55 feet northwest of grid point 0+00 B.L.

Detailed geological mapping of the Main Zone and Hare Creek zone was completed on October 15, 1988 at a scale of 1 inch to 5 feet. Rock-saw sampling of both zones was then carried out with 229 samples being cut from the Main Zone and 70 samples being taken from the Hare Creek Zone. Blasting of the bedrock at regular intervals along the Main Zone was also carried out so as to provide a "fresh" exposure of the mineralization for sampling.

Systematic mapping of the property geology was also completed concurrent with the work noted above. All outcrop exposures and topographic features were mapped at a scale of 1 inch to 200 feet over the land portion of the grid area. Seventeen rock samples were sent for analysis from various areas on the property to test for additional areas of gold mineralization.

#### GENERAL GEOLOGY

The geology of the ShiningTree Area has been described by several authors including M.W. Rennick (1988) who summarized previous investigations as follows:

"The basement rocks of the district are separated into three main divisions: the Keewatin volcanics, the Timiskaming volcanics and sediments, and the granitic intrusives. These rocks underlie the Cobalt sediments which cover the eastern edge of Tyrrell township and the northeastern two-thirds of Knight township."



"The Keewatin rocks consist mainly of massive andesite and basaltic lavas. The Timiskaming series consists mainly of rhyolite and trachyte flows, tuff, and volcanic breccia grading up into slate, arkose, and conglomerate. Both series have been intruded by masses of granite, quartz porphyry and felsite, lamprophyre dikes, and diabase sills and dikes."

The early Precambrian metavolcanic-metasedimentary sequence are tightly folded about arcuate northwest-trending axes. These rocks exhibit a well developed foliation which trends in either a N30°W direction or an east-west direction, the latter being the better developed. The Proterozoic Cobalt sediments are generally flat-lying and exhibit concordant relationships with the intrusive diabase sills.

Two directions of faulting is evident throughout the ShiningTree camp. East-west trending fault structures are the most common and generally occur as zones of shearing, and are important economically as a host of gold mineralization. North to northwest trending fault structures appear to post-date the east-west faulting, and form the regional fault pattern of the area.

#### PROPERTY GEOLOGY

The Matona Gold Property is predominantly underlain with a thick sequence of andesitic flows and pillowed lavas generally trending N15°W to N40°W. The unit is typically fine grained, dark to medium green in colour, moderately chloritic and foliated. Pillows are most readily evident in the western section of the property and are rarely distorted, exhibiting a younging direction to the southeast. Felsic metavolcanics are rarely exposed, and again occur to the west of Hydro Creek. Comprised predominantly of quartz and sericite, the unit is typically strongly schistose, white-brown in colour and often contains minute disseminations of pyrite along the schistosity planes. Due to the rather fissile nature of the unit, outcrop exposure is very limited and hinders the lateral projection of the unit during the mapping procedure.

Immediately south and west of B.L.0+00 lies a series of dikes or flows of trachybasalt. These rocks are fine to medium grained, aphanitic, porphyritic, dark purple to mauve rocks which show north-trending compositional banding. This north-trending, semi-concordant body of rock appears to off-set the surrounding rock units, and is thought to have been emplaced along a pre-existing, north-trending zone of weakness.

A small lense of granite is exposed in the southeastern corner of the Matona property and is characterized by a pink or pinkish brown colour. Most commonly the granite is medium grained and occasionally contains altered clots of ferromagnesian mineral and/or epidote.

Most conspicuous though, are the north-trending diabase dikes which form ridges of up to 50 feet throughout the property. These rocks are typically fresh, black rocks of fine to coarse grain depending on the width

of the dikes. They are commonly magnetic, containing very fine disseminations of magnetite ranging to 5% by mode. Veins, stringers and irregular growths of epidote are often noted throughout the outcrop areas. The dikes are generally 100 to 200 feet wide, the widest being exposed along the hydro-electric powerline extending through the western portion of the property.

#### RESULTS OF ASQUITH RESOURCES' EXPLORATION PROGRAM

Detailed mapping of surface exposure along the Main Zone of gold mineralization on the Matona property has indicated the presence of a strong structural and stratigraphic control of the gold mineralization.

Approximately 650 feet of strike length along the Main Zone was exposed during the course of the program, and indicated that the main lead within the zone was comprised of a black, highly schistose and slaty horizon. Thin section analysis by Dr. G. Wilson (1988) indicates that the zone is comprised of minute platelets of graphite within abundant carbonate (calcite) and  $\pm$  quartz, all constituents comprising 95% of the rock by mode.

This graphitic horizon extends from the shaft striking N45°W and dipping 75° to the west, and after a strike extent of 250 feet swings sharply to the northwest striking N65°E at 75° southwest. The zone as exposed is not consistent in its strike orientation, rather it is sinuous in its nature, this being caused largely by the constant bisection of mafic intrusive dikes within the zone itself. Wilson analyses the dike as a highly carbonatized rock cut by brittle fractures which are lined with chlorite and filled with coarse calcitic carbonate. Typically fine grained and black, Wilson suggests that its mineralogy is consistent with a mafic-ultramafic protolith (lamprophyre).

The footwall of the graphitic horizon is not localized as one distinct rock unit. In the area of the shaft, a fine to medium grained and siliceous rock forms the footwall unit, and itself is not affected by the intrusive dikes which constantly bisect the graphite horizon. Largely comprised of quartz and feldspar, the rock appears to be highly altered as indicated by the presence of abundant quartz and secondary sericite. Scattered, strained quartz eyes appear to be relict phenocrysts. Wilson describes this unit as a highly altered felsic porphyry. Approximately 270 feet northwest of the shaft an agglomeratic or brecciated intrusive is emplaced between the graphitic zone and its accompanying dikes, and the highly altered felsic porphyry described above. The unit is characterized by a fine grained black matrix which incorporates large bomb-sized fragments of the hangingwall porphyry and smaller fragments of black chert. These chert fragments were presumably derived from concordant lenses of lean, cherty iron formation which occurs within the graphitic horizon itself. Up to 5% finely disseminated pyrite is exhibited within this unit, and where brecciated, carries significant values in gold.

Wilson indicates that the intrusive breccia unit consists largely of carbonate (60%) and serpentine (31%) with quartz as a minor constituent. The feldspathic nature of the rock suggests a matrix that is basaltic in composition. The occurrence and position of this intrusive is important economically in that the occurrence of quartz veining within the graphitic horizon is more prevalent in this area, and sampling indicates that the occurrence of gold within the horizon is likewise enhanced.

The hangingwall of the zone is comprised of a laterally distinct unit described by Wilson as a metabasalt (andesite). The carbonatized nature of the rock indicates the pervasive occurrence of calcite throughout the area as a whole.

Detailed sampling of the surface exposure along the Main zone indicates very low grade gold mineralization accompanies the graphitic horizon extending from the shaft area to an area 350 feet northwest of the shaft. Values ranging from 0.001 oz. per ton gold over 1.0 feet to 0.068 oz. per ton gold over 4.0 feet were obtained from channel samples across the graphitic horizon. The rather low assay values obtained directly reflect the lack of quartz veining (less than 1%) within the graphitic horizon in this area.

Quartz veining becomes more prevalent within the graphitic slates just 40 feet southeast of the 125-level raise to surface, situated 390 feet northwest of the shaft. Lensoidal, white crystalline quartz veining exhibits widths of up to 0.8 feet and lengths of up to five feet, and occur as fracture-filling deposits within the graphitic shales. Pyrite mineralization in concentrations of up to 5% are evident along the vein selvages, and while not evident in the field, fine free gold occurs within the vein quartz itself, as indicated through re-assay of individual vein samples. Significant gold values obtained in the area of the raise are as follows:

<u>SAMPLE NO.</u>	<u>COORDINATE</u>	<u>ASSAY VALUE</u>	<u>SAMPLE WIDTH</u>
2201	145 NW	0.285 oz/ton Au	2.3 feet
2204	155 NW	0.067 oz/ton Au	4.0 feet
2205	160 NW	0.063 oz/ton Au	5.0 feet
2207	177 NW	0.166 oz/ton Au	5.0 feet
2209	185 NW	0.239 oz/ton Au	4.0 feet
2211	195 NW	0.494 oz/ton Au	1.0 feet
2217	210 NW	0.179 oz/ton Au	2.0 feet
2220	225 NW	0.049 oz/ton Au	4.0 feet
2223	230 NW	0.203 oz/ton Au	3.0 feet

The above noted samples represent a zone of continuous gold mineralization over a strike distance of 90 feet, and yields a weighted gold average of 0.146 oz/ton Au. over a width of 3.2 feet. This zone of gold mineralization appears to correspond well with both the No.110 and No.108 zones outlined on the 125 foot level. Samplings by L.B. Wright in 1937 averaged 0.13 and 0.15 oz./ton Au. over widths of 4.3 and 4.2 feet for these zones respectively.

Superimposing the surface survey plan upon that of the 125 foot level indicates that at least 100 feet of mineralization has been outlined beyond that exposed on surface, which extends under heavy overburden cover to the northwest. Geological mapping and geophysical surveying indicates the presence of a east-west trending fault zone with left-lateral fault displacement lying immediately north of the Main Zone of gold mineralization. This fault, has in turn, been displaced by a major right-lateral fault zone trending north-northwest along Hydro Creek. It is thought that these faults have displaced the northwestern extension of the Matona Main Zone further to the north and west. The discovery of a small outcrop of lean, cherty iron formation (L12Nx2800W) which is similar to that found within the Matona Main Zone 2800 feet to the southeast, seems to support this hypothesis. Further exploration efforts will have to confront this possibility.

Stripping along a zone 450 feet east of the Matona shaft has outlined a narrow zone of gold mineralization associated with a sheared zone containing brecciated crystalline quartz veins. The vein structure reaches widths of up to 3.0 feet, and is characterized by up to 20% angular fragments of white crystalline quartz hosted within a medium grained, granular groundmass of quartz and calcitic carbonate. The shear structure strikes at N10°W and dips near to vertical, and lies between sheared and carbonatized andesites to the west and a series of narrow (less than 20') dikes of trachybasalt. The vein breccia extends northwards under the cover of overburden, and to the south extends under the new road and out towards the swamp of Hare Creek. Four channel samples taken across the vein structure at ten foot intervals along strike assayed as follows:

(Individual samples taken from north to south)

<u>COORDINATE</u>	<u>ASSAY VALUE</u>	<u>SAMPLE WIDTH</u>
0+24 south	0.009 oz/ton Au	3.0 feet
0+35 south	0.059 oz/ton Au	1.5 feet
0+45 south	0.386 oz/ton Au	1.5 feet
0+55 south	0.634 oz/ton Au	4.0 feet

This vein structure, termed the North Hare Creek Zone, is unlike any discovered to date on the Matona property, as it occurs within a different geological environment than that of the Main Zone which lies 450 feet to the west. Trenching done previously on a lense of black chert just 10 feet west of the vein exposure failed to test this new vein structure. The fact that it does lie near to this black cherty iron formation may prove that this new discovery is somehow tied geologically to the Matona Main Zone, in that this cherty formation is very similar to that found within the Main Zone itself, and is similar again to the exposure discovered within the northwestern corner of the property.

Magnetic and electromagnetic surveys completed recently suggest that the North Hare Creek Zone extends further to the north than that exposed on surface. A strong VLF-e.m. anomaly coupled with a weakly flanking magnetic response suggests a northerly extension to the zone of

roughly 1400 feet. As this northerly extension of the zone lies under heavy overburden cover, diamond drilling of this anomaly will have to be completed to test its gold-bearing potential.

Stripping of the overburden 600 and 800 feet south of the North Hare Creek Zone, along a linear trend of previous trenching sites, uncovered a number of zones of shearing and carbonate alteration. Short, lensoidal bodies of sulphide (pyrite) mineralization within these sheared zones yielded gold values ranging from 0.002 oz./ton over 1.0 feet, to 0.153 oz./ton over 3.0 feet. While not of the same structure and strike extent, the occurrence of gold within these sulphide zones indicates a preferred association between gold and sulphide mineralization.

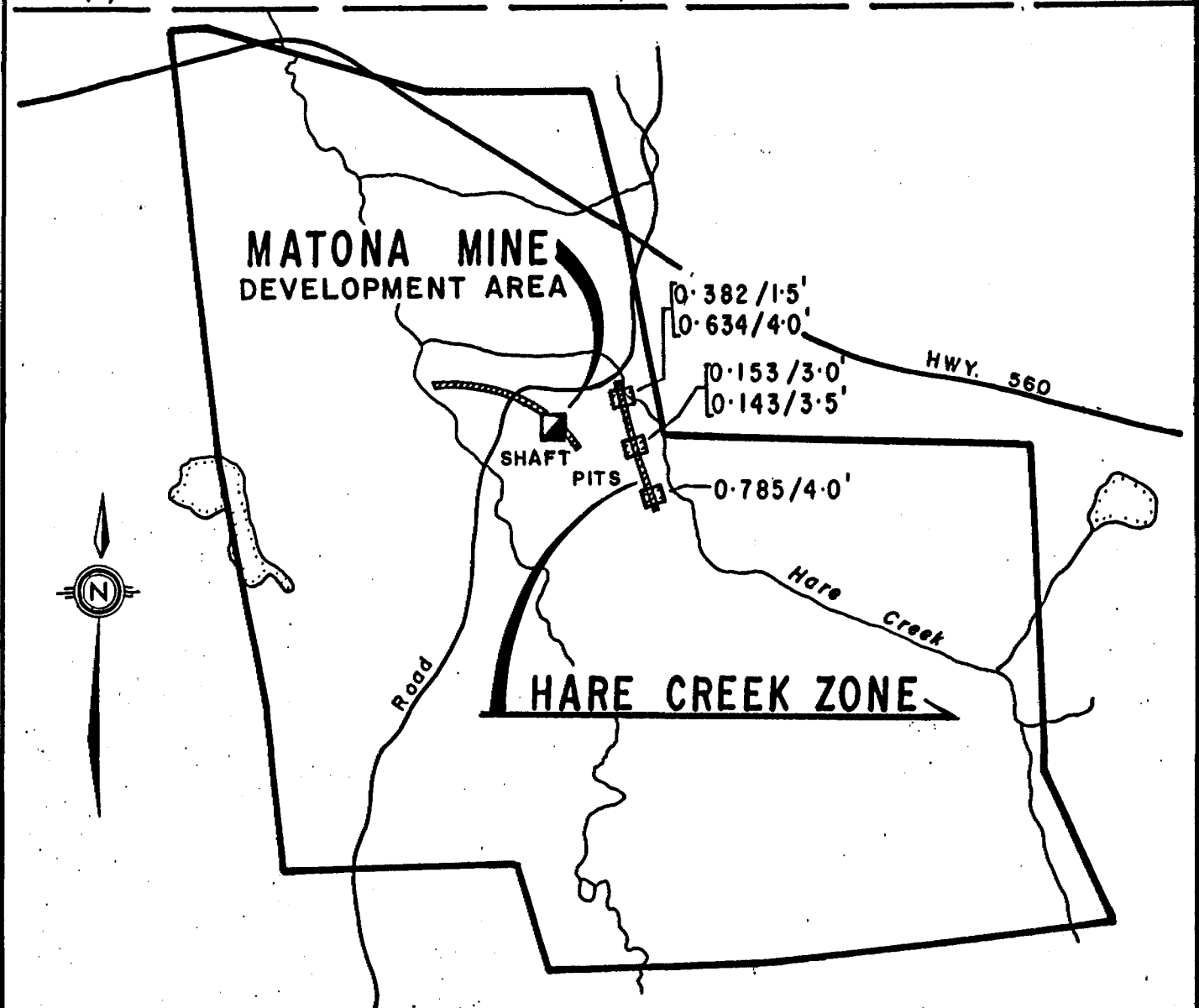
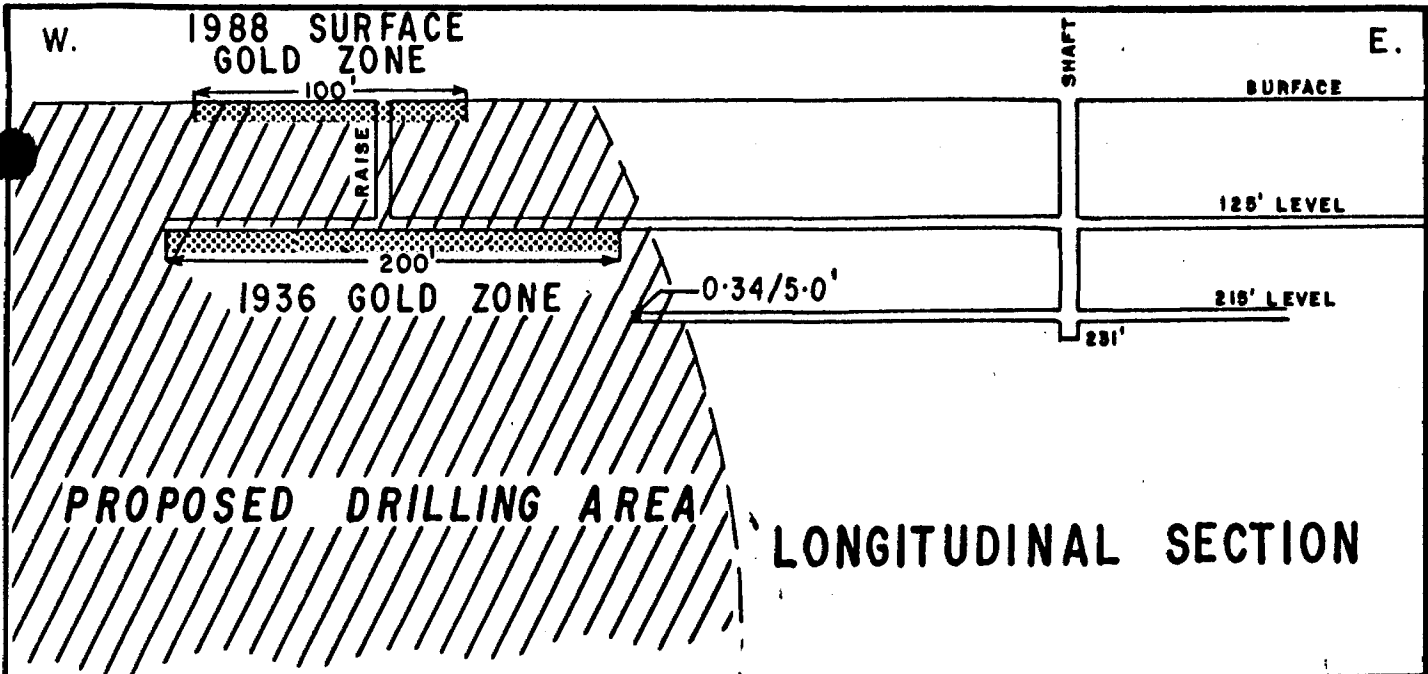
Stripping along the trend of the Central Hare Creek Zone indicates that gold can also be localized within quartz veins. Values up to 0.143 oz./ton Au. over 3.5 feet were derived from channel sampling of short, lensoidal fracture-filling crystalline quartz veins.

Sampling of a zone of heavy sulphide mineralization 300 feet south of the Central Hare Creek Zone yielded values as high as 0.785 oz./ton Au over a width of 2.0 feet. This zone, which has seen considerable amounts of trenching and pitting in past years, possesses a similar footwall and hanging wall assemblage as that of Matona's Main Zone. Although quite lensoidal in its configuration, this "Sulphide Zone" warrants diamond drilling to test the structure at depth.

#### CONCLUSIONS

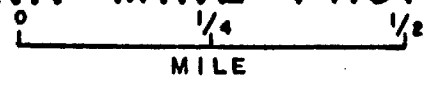
Recent exploration of the Matona Gold Property by Asquith Resources Inc. confirmed the presence of significant amounts of gold mineralization within a structure known as the Main Zone. Underground exploration of this zone in the 1930's outlined a zone of persistent gold mineralization associated with crystalline quartz veins within carbonaceous, graphitic slates. The mineralization outlined underground corresponds well with a zone of mineralization outlined on surface in the recent program. Both the surface and underground exploration indicates that the zone extends further to the northwest, beyond what is presently outlined, this northwestern extension quite possibly being faulted to the north and west as outlined through the recent exploration efforts. Further exploration is definitely required to extend and define this mineralization both along strike to the northwest, and at depth.

Significant occurrences of gold have also been encountered along a trend known as the Hare Creek Zone. Values ranging to 0.634 oz./ton Au. over 4.0 feet have been derived from a zone of intense quartz brecciation. The southern extension of the zone extends under the cover of Hare Creek, while its northern extension has been traced through geophysics for some 1400 feet. Diamond drilling of this zone is warranted to test its economic potential.



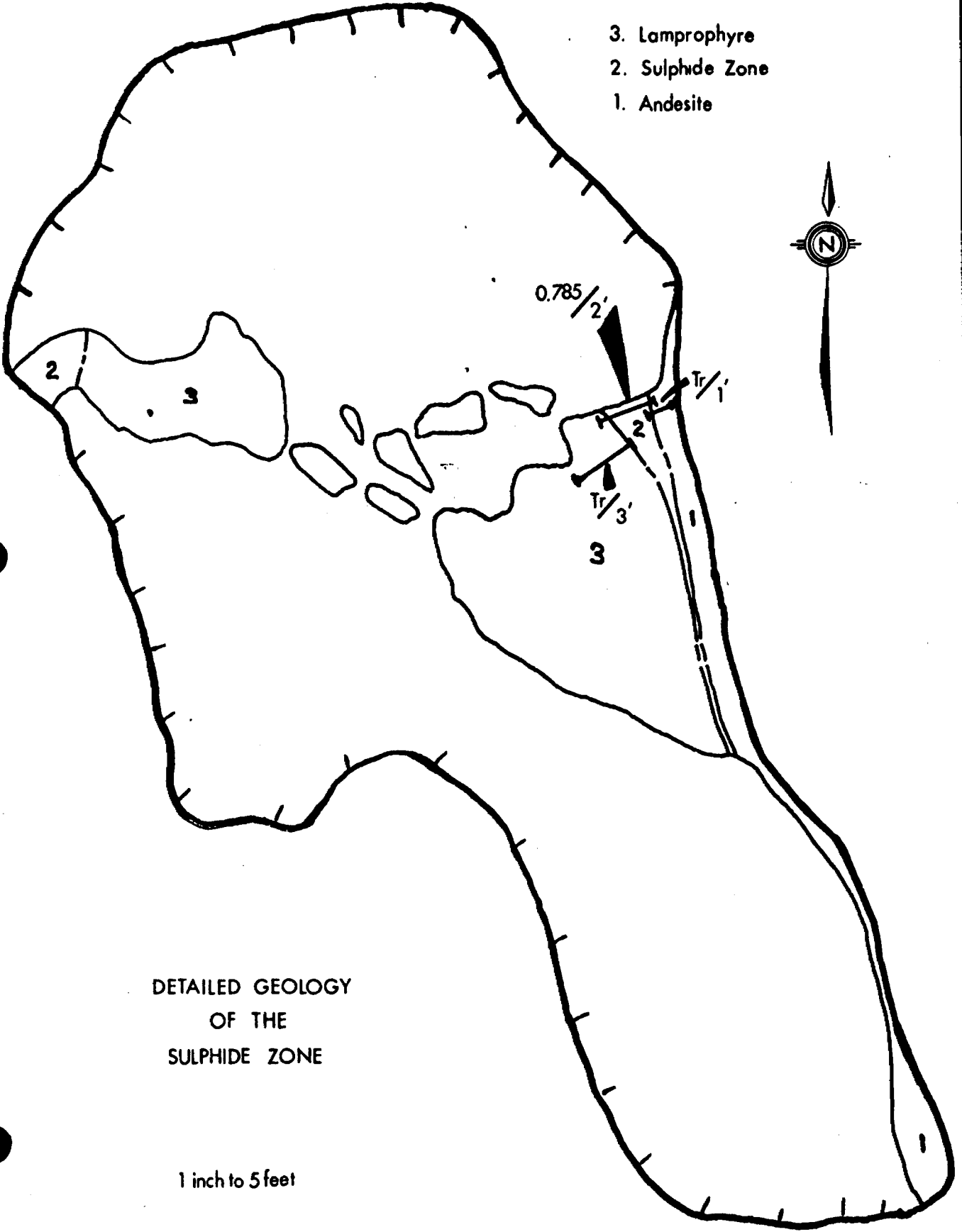
LEGEND  
0.785/4.0' Au oz/ton/ Ft.

**ASQUITH RESOURCES INC.**  
TYRRELL TWP., ONTARIO  
**MATONA MINE PROPERTY**



LEGEND

- 3. Lamprophyre
- 2. Sulphide Zone
- 1. Andesite



DETAILED GEOLOGY  
OF THE  
SULPHIDE ZONE

1 inch to 5 feet

Lenses of sulphide mineralization were found to contain significant concentrations of gold mineralization along a north-south trend from the North Hare Creek zone. Values up to 0.79 oz./ton Au. over narrow widths have been obtained from recent channel samplings. Diamond drilling to test the lateral extension of this mineralization should be contemplated.

#### RECOMMENDATIONS

The following exploration program is recommended to test the economic potential of the Matona Main Zone and the Hare Creek Zone.

1. The establishment of cut and chained grid lines extending in a north-south direction from L0+00, and westwards along this baseline from L0+00 X 6+00W, the lines to be cut on 200 foot centres with stations established at 100 foot intervals.

2. Stations should be established over those areas of swamp cover which were not suitably covered during the summer months by geophysics. All new grid stations should be accurately extended from the existing grid lines at both Hare and Hydro Creeks. VLF-e.m. and magnetic surveys should be completed over these line extensions.

3. An induced polarization survey should be completed over the newly cut north-south grid lines, as well as the east-west lines extending between the western edge of Hydro Creek and the eastern edge of Hare Creek. It is expected that the northwestern extension of the Matona Main Zone will be delineated through this geophysical method.

4. Diamond drilling of the targets described within this report is to be carried out as follows:

<u>DDH #</u>	<u>TARGET ZONE</u>	<u>LINE</u>	<u>DEPART.</u>	<u>AZMUTH</u>	<u>COLLAR</u>	<u>LENGTH</u>
88-1	Hare Creek north ext.	800N	400W	090 <sup>0</sup>	-45 <sup>0</sup>	350 feet
88-2	Hare Creek north zone	400S	100W	090 <sup>0</sup>	-45 <sup>0</sup>	350 feet
88-3	Hare Creek north zone	600S	100W	090 <sup>0</sup>	-45 <sup>0</sup>	350 feet
88-4	Sulphide Zone	1525S	075W	075 <sup>0</sup>	-45 <sup>0</sup>	350 feet
88-5	Main Zone	200S	800W	035 <sup>0</sup>	-45 <sup>0</sup>	350 feet
88-6	Main Zone	200S	800W	035 <sup>0</sup>	-60 <sup>0</sup>	400 feet
88-7	Main Zone	150S	875W	035 <sup>0</sup>	-45 <sup>0</sup>	350 feet



<u>DDH #</u>	<u>TARGET ZONE</u>	<u>LINE</u>	<u>DEPART.</u>	<u>AZMUTH</u>	<u>COLLAR</u>	<u>LENGTH</u>
88-8	Main Zone	150S	875W	035 <sup>0</sup>	-60 <sup>0</sup>	400 feet
88-9	Main Zone	075S	950W	035 <sup>0</sup>	-45 <sup>0</sup>	350 feet
88-10	Main Zone	075S	950W	035 <sup>0</sup>	-45 <sup>0</sup>	400 feet

The above noted program represents 3,650 feet of diamond drilling. An additional 1,350 feet of drilling is to be allocated towards additional targets which may be generated through the completion of the proposed geophysical surveys, or those generated during the course of the diamond drill program.


The proposed exploration program is expected to require two months to complete, at an exploration expenditure of \$ 140,000.00 CAN.

COST ESTIMATE OF THE PROPOSED EXPLORATION PROGRAM  
Matona Gold Property

1. linecutting; a total of 3.5 linemiles @ \$400.00/mile	\$ 1,400.00
2. Geophysical surveys: i) VLF-e.m. and magnetic surveys over areas not previously covered; total of 3.0 linemiles @ \$150.00/mile per survey.	900.00
ii) A total of 7.5 linemiles of induced polarization surveying over both the proposed north-south grid, and the central portion of the main grid; total of 10 days at \$1,250.00/day	12,500.00
3. Diamond drilling; a total of 5000 feet of B.Q. core drilling @ \$23.00 per foot; includes supervision, sample preparation and storage, assays, labour and accomodation/board.	115,000.00
4. Contingency (+/-8%)	<u>10,200.00</u>
TOTAL COST OF PROGRAM	\$140,000.00

November 20, 1988  
Toronto, Ontario

J. L. Tindale & Associates Inc.

  
\_\_\_\_\_  
Kenneth W. Johnson  
Project Geologist

## SOURCES OF INFORMATION

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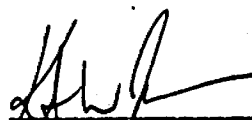
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**SUMMARY REPORT**  
**ON THE**  
**EXPLORATION OF THE**  
**MATONA GOLD PROPERTY**  
**Tyrrell Township, Ontario**  
**FOR**  
**ASQUITH RESOURCES INC.**

March 20, 1989  
Toronto, Ontario

J. L. Tindale & Associates Inc.

  
Kenneth W. Johnson  
Project Geologist

Om 88-6-L-053



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## SUMMARY

Exploration of the Matona Gold Property in the 1930's traced a gold-bearing horizon over a strike extent of approximately 1400 feet, through a series of surface trenchings and underground development on two levels. Recent exploration by Asquith Resources Inc., confirmed the presence of gold mineralization within this structure through surface samplings and diamond drilling. Although the structure was found to be laterally persistent within the exploration area, gold values were generally of low grade. However, the lateral continuity of the horizon provides potential for additional gold mineralization in that the northwestern strike extension of the structure appears to lie some 2000 feet northwest of the mine workings.

Gold mineralization along a trend known as the Hare Creek Zone is closely associated with both quartz-carbonate shear zones, and with graphitic shales similar to those found within the Main Zone. Exploration by Asquith Resources Inc. has indicated that poor lateral continuity exists between the individual gold-bearing zones within the Hare Creek area. Further exploration utilizing advanced geophysical methods combined with diamond drilling is warranted.

## INTRODUCTION

On March 9, 1989, Mr. J. L. Tindale, president of Asquith Resources Inc., 907-110 Erskine Avenue, Toronto, Ontario, M4P 1Y4, retained the author to prepare a summary report of the Company's recent exploration on the Matona Mine property, located in the ShiningTree Area of the Province of Ontario. The scope of the report is to discuss the exploration methods employed during the project, the results generated, and to provide recommendations, if any, for a program of exploration to further assess the economic potential of the property.

This latest program of exploration on the Matona property was a continuation of the program completed in October 1988, which was subsequently outlined in a report titled "Interim Report on the Exploration of the Matona Gold Property, Tyrrell Township, Ontario; dated November 20, 1988 by J. L. Tindale & Associates Inc. of Toronto. This most recent program was completed during the period December 5, 1988 to February 4, 1989, under the direct supervision of J. L. Tindale P.Eng. This report is based upon the results of that program, as well as research of available data pertaining to the project area.

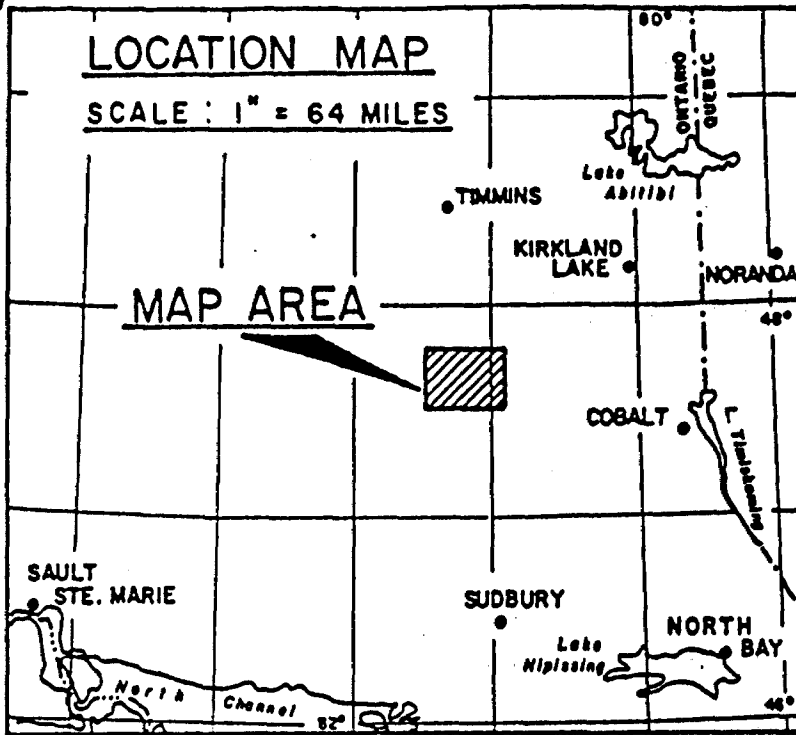
## PROPERTY DESCRIPTION, LOCATION, ACCESS, AND TOPOGRAPHY

The ShiningTree Area straddles the boundary between the Districts of Sudbury on the west and the Timiskaming District on the east.

Access is provided via Highway 560 which connects the village of ShiningTree with the villages of Gowganda and Elk Lake to the east, and Westree to the southwest. Further to the west, the junction of Highway 560 and 144 provides all-weather access to the cities of Sudbury and Timmins.

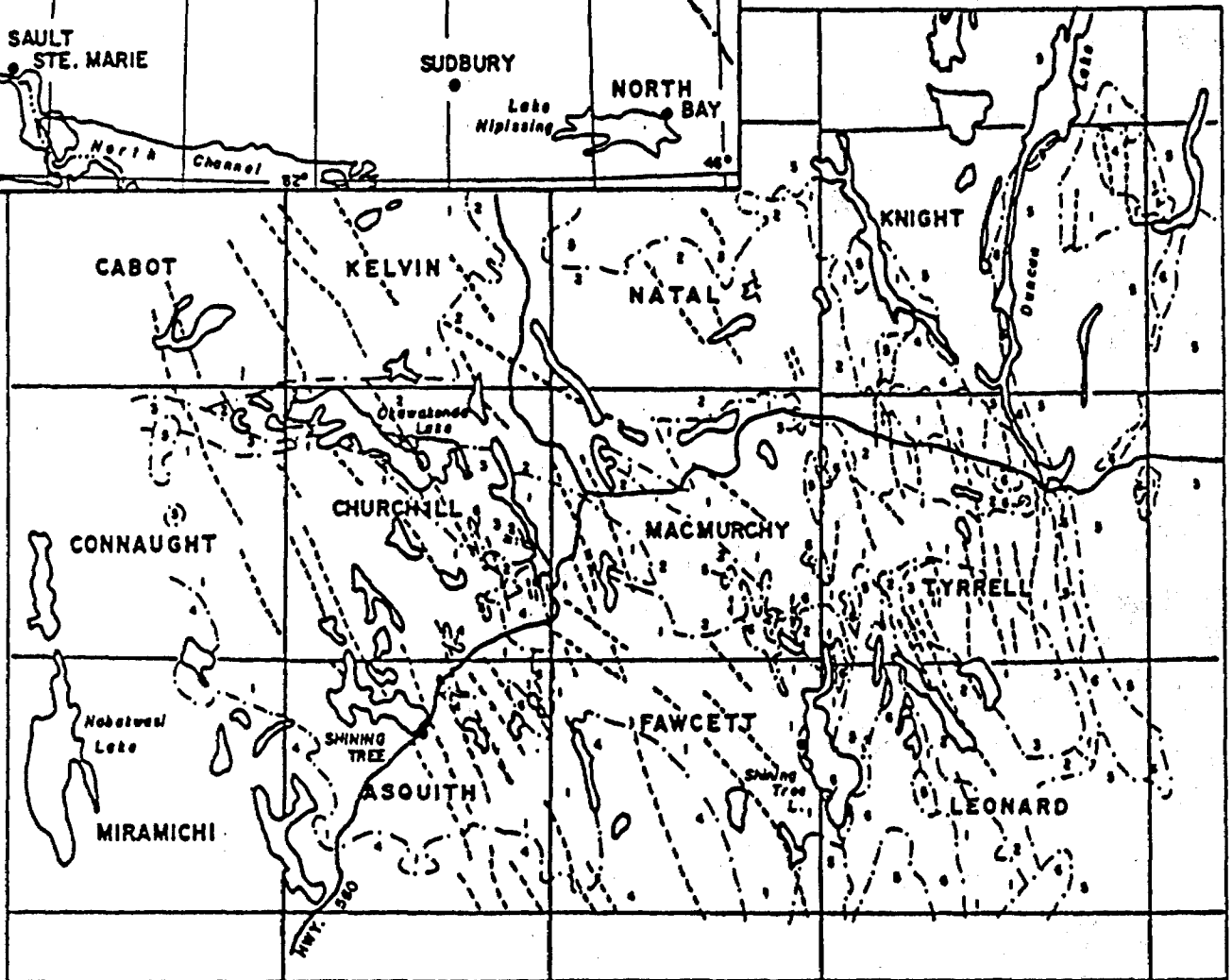
The Matona Gold Property is comprised of 19 leased and contiguous mining claims situated in the northwestern section of Tyrrell Township. The claims cover 791.04 acres and are numbered as follows: G.G.5843 to G.G.5851 inclusive, G.G.5957 to G.G.5965 inclusive, and G.G.6273. Access to the leases is provided along a bush road extending south from highway 560, just east of a high-voltage transmission line, approximately 17 miles west of the village of Gowganda. Logging roads extending off the main bush road provide excellent access to all sections of the property.

Topographically, the area consists of south-trending depressions characterized by swampy creek-beds, surrounded to both the east and west by north-trending ridges rarely exceeding 100 feet in relief. Overburden generally consists of outwash deposits which can vary in thickness from 5 to 100 feet. Vegetation is mixed second growth comprised predominantly of alders, birch and poplar along with stands of black spruce and cedar. The southeastern-most section of the property has been cleared by logging operations and is covered with a thick growth of poplar seedlings.



**LEGEND**

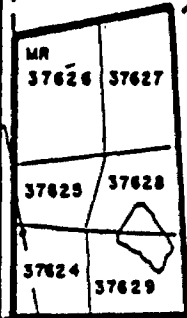
- 7 MATACHEWAN TYPE DIABASE
- 6 NIPISSING TYPE INTRUSIVE DIABASE
- 5 HURONIAN SEDIMENTS
- 4 FELSIC INTRUSIVE ROCKS
- 3 METASEDIMENTS
- 2 FELSIC METAVOLCANICS
- 1 INTERMEDIATE & MAFIC METAVOLCANICS



**LOCATION & GENERAL GEOLOGICAL MAP  
SHININGTREE AREA  
SUDBURY & TIMISKAMING DISTRICTS, ONTARIO  
SCALE: 1" = 4 MILES  
SEPT., 1981**

DECKER PROPERTY ?

TYRANITE PROPERTY



Moon Lake

KNIGHT TWP.

TYRRELL TWP.



McINTYRE PROSPECT

Spade L.

MATONA PROPERTY



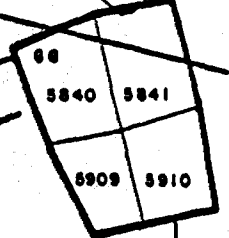
SOKOLOFF ?

SLOANE M'G. CO. LTD. ?

H.W.P.C. HWY. 560 TRANSMISSION LINE

Porphyry L.

MINTO PROPERTY



FOXDALE MINES

? Breeze L.

PROPERTY MAP

KNIGHT & TYRRELL TWPS

DISTRICT OF TIMISKAMING, ONT.

SCALE : 1" = 1/2 MILE

SEPT., 1981

MAP NO. 2.



## HISTORY

The history of the area has been well documented by Rennick, M.W. (1988). In short, gold was first discovered in the ShiningTree Area in 1911. Numerous gold discoveries followed, and in 1930 claims were staked to cover a gold-bearing shear zone located in the northwestern corner of Tyrrell Township. Under the Matona Mining Syndicate the gold-bearing shear was tested through a series of trenches and eight short diamond drill holes totalling 1,249 feet. All of the holes cut the vein structure, and in 1935 underground development of the structure was inaugurated.

By 1937 two drift levels were established at the 125 and 215 foot horizons through a two compartment shaft completed to a depth of 231 feet. One raise to surface from the 125 foot level was completed as well as drifting and crosscutting on both levels amounting to 1623 feet. Only limited work was completed on the 215 foot level but the downward continuance of the vein structure was confirmed.

In 1946, seven drill holes were completed totalling 3,007 feet in the area of the shaft which also confirmed the downward extension of the vein structure.

From 1946 through 1988 there has been little or no exploration on the property. Several parties had attempted to arrange financing for re-evaluation but were not successful in their efforts.

In August of 1988, Asquith Resources Inc. initiated a surface exploratory program consisting of linecutting, geophysical and geological surveying, topographic surveying, mechanical stripping and bedrock sampling in an effort to locate and define the gold-bearing zones developed during the previous programs of exploration. Approximately 41,000 square feet of bedrock was exposed by stripping in two separate areas of the property, from which almost 300 rock samples were cut which in turn outlined two separate zones of gold mineralization. Geophysical data generated during the course of the program indicated possible lateral extensions of these zones and provided the basis for further exploration efforts on the property (J.L. Tindale & Associates Inc., Nov. 20, 1989).

## DESCRIPTION OF ASQUITH RESOURCES' RECENT EXPLORATION PROGRAM

Based upon recommendations set out in a report by J. L. Tindale & Associates Inc., Asquith Resources Inc. completed a total of 8,022 feet of diamond drilling during the period December 5, 1988 to February 4, 1989. The drilling was contracted to McKenzie Drilling Limited of Timmins, Ontario who used a Longyear Super-38 wireline diamond drill utilizing B.Q.-sized drilling tools which yield rock-core  $1\frac{7}{16}$  inches in diameter. The rock-core on retrieval was placed in trays capable of holding 20 linear feet. The individual trays were then labeled and the rock lithologies logged and recorded with respect to their down-hole footages (in feet). Mineralized

sections of core were split and sent for analysis in Kirkland Lake at Accurassay Laboratories Ltd. The remaining core trays were then transported for storage on the property at a site along the bush road 400 feet north of the shaft.

The individual hole locations were spotted with respect to their grid coordinates, and surveyed for direction using a Brunton compass. After drilling, the hole locations were marked with a wooden plug, and its position surveyed into a detailed reference grid which had been tied into grid-line locations at regular intervals. Drill holes southwest of the Matona shaft were surveyed to iron bars which had been placed along the zone of mineralization during the previous detailed mapping program. All holes were levelled for elevation with respect to the shaft elevation of 0.0 feet. The drill holes east of Hare Creek were tied into a survey line which had been placed along the trend of the mineralization at roughly N20°W. Both the Main and Hare Creek reference lines have been surveyed to a common point located 55 feet northwest of grid point 0+00 B.L.

A total of 21 holes were drilled testing two areas of mineralization, namely the Matona Main Zone and the Hare Creek Zone. The drill hole locations and total lengths are tabled as follows:

<u>HOLE NUMBER</u>	<u>TARGET ZONE</u>	<u>GRID COORDINATES</u> in feet	<u>AZMUTH</u>	<u>ANGLE AT COLLAR</u>	<u>HOLE LENGTH</u>
M88- 1	HARE C.	8+00N x 3+00W	090 °	-45 °	300 feet
M88- 2	HARE C.	4+50S x 0+65W	070 °	-45 °	300 feet
M88- 3	HARE C.	4+50S x 0+65W	070 °	-60 °	450 feet
M88- 4	HARE C.	4+95S x 0+50W	070 °	-45 °	350 feet
M88- 5	HARE C.	15+14S x 1+00E	082 °	-45 °	350 feet
M88- 6	HARE C.	15+14S x 1+00E	082 °	-60 °	448 feet
M88- 7	MAIN Z.	8+15W x 3+15S	025 °	-45 °	350 feet
M88- 8	MAIN Z.	8+15W x 3+15S	025 °	-60 °	451 feet
M88- 9	MAIN Z.	8+90W x 2+70S	025 °	-45 °	350 feet
M88-10	MAIN Z.	8+90W x 2+70S	025 °	-60 °	446 feet
M88-11	MAIN Z.	9+30W x 2+25S	025 °	-45 °	350 feet
M88-12	MAIN Z.	9+30W x 2+25S	025 °	-60 °	450 feet
M88-13	MAIN Z.	10+70W x 1+80S	025 °	-45 °	340 feet
M88-14	MAIN Z.	10+70W x 1+80S	025 °	-60 °	449 feet
M88-15	MAIN Z.	12+00W x 1+15S	025 °	-45 °	147 feet
M88-16	MAIN Z.	12+00W x 1+15S	025 °	-60 °	450 feet
M88-17	HARE C.	14+65S x 0+85E	082 °	-60 °	450 feet
M88-18	HARE C.	15+62S x 1+05E	082 °	-60 °	450 feet
M88-19	HARE C.	13+60S x 0+13E	082 °	-60 °	500 feet
M88-20	HARE C.	10+30S x 1+47E	082 °	-45 °	350 feet
M88-21	HARE C.	7+40S x 1+30E	082 °	-45 °	291 feet

Coincident with the drilling program, a limited geophysical survey utilizing the induced polarization technique was completed over the Main Zone exposure and its speculated western extension. Approximately 3.5 linemiles of I.P. was carried out along north-south lines cut at 200 foot intervals over the trend of the zone. However, the presence of an open-water swamp along Hydro Creek severely limited the coverage of the survey.

ADDENDUM TO SUMMARY REPORT ON THE EXPLORATION OF THE MATONA GOLD PROPERTY,  
TYRRELL TOWNSHIP, ONTARIO FOR ASQUITH RESOURCES INC. BY K. W. JOHNSON,  
PROJECT GEOLOGIST - dated March 20, 1989

Geophysical Surveys

A test line of S.P. survey was run across the known exposure of the Matona Mine Zone to determine if the Zone could be picked up with this relatively simple instrument. The Zone has a high carbonaceous content, graphitic in part, and though previous VLF - EM surveys did not respond, the S.P. gave a pronounced effect, encouraging the Company to attempt to trace the Zone westward under suspected deep overburden utilizing the I.P. technique as a guide to drilling. Brief details of the I.P. survey appear on pages 6 and 7 of the report by K. W. Johnson.

The S.P. survey utilized porous pots at 50 foot spacing intervals and a simple voltmeter, all supplied by Crone Geophysics.

The I.P. instrumentation consisted of a Scintrex IPR - 8 receiver and a Scintrex IPC - 9, 200 watt transmitter, owned by Claridge-La Rose Geophysics of Bracebridge, Ontario.

**MINISTRY OF NORTHERN  
DEVELOPMENT AND MINES**

**OCT 13 1989**

**INCENTIVES OFFICE**

Ten cross-sections of Time Domain I.P. were traversed using an "a"-spacing of 100 feet in a dipole-dipole potential array, and utilizing a delay time of 240 Ms. The resultant readings were presented in three parameters as resistivity (ohm-feet), chargeability (milliseconds), and metal factor (%).

#### GENERAL GEOLOGY

The geology of the ShiningTree Area has been described by several authors including M.W. Rennick (1988) who summarized previous investigations as follows:

"The basement rocks of the district are separated into three main divisions: the Keewatin volcanics, the Timiskaming volcanics and sediments, and the granitic intrusives. These rocks underlie the Cobalt sediments which cover the eastern edge of Tyrrell Township and the northeastern two-thirds of Knight Township."

"The Keewatin rocks consist mainly of massive andesite and basaltic lavas. The Timiskaming series consists mainly of rhyolite and trachyte flows, tuff, and volcanic breccia grading up to slate, arkose, and conglomerate. Both series have been intruded by masses of granite, quartz porphyry and felsite, lamprophyre dikes, and diabase sills and dikes."

The early Precambrian metavolcanic-metasedimentary sequence are tightly folded about arcuate northwest-trending axes. These rocks exhibit a well developed foliation which trends in either a N30°W direction or an east-west direction, the latter being the better developed. The Proterozoic Cobalt sediments are generally flat-lying and exhibit concordant relationships with the flat-lying diabase sills.

Two directions of faulting is evident throughout the ShiningTree camp. East-west trending fault structures are the most common and generally occur as zones of shearing, and are important economically as a host of gold mineralization. North to northwest trending fault structures appear to post-date the east-west faulting, and form the regional fault pattern of the area.

#### PROPERTY GEOLOGY

The Matona Gold Property is predominantly underlain with a thick sequence of andesitic flows and pillowed lavas generally trending N15°W to N40°W. The unit is typically fine grained, dark to medium green in colour, moderately chloritic and foliated. Pillows are most readily evident in the western section of the property and are rarely distorted, exhibiting a younging direction to the southeast. Felsic metavolcanics are rarely exposed, and again occur to the west of Hydro Creek. Comprised predominantly of quartz and sericite, the unit is typically strongly

schistose, white-brown in colour and often contains minute disseminations of pyrite along the schistosity planes. Due to the rather fissile nature of the unit, outcrop exposure is very limited and hinders the lateral projection of the unit during the mapping procedure.

Immediately south and west of B.L.0+00 lies a series of dikes or flows of trachybasalt. These rocks are fine to medium grained, aphanitic, porphyritic, dark purple to mauve rocks which show north-trending compositional banding. This north-trending, semi-concordant body of rock appears to offset the surrounding rock units, and is thought to have been emplaced along a pre-existing, north-trending zone of weakness.

A small lense of granite is exposed in the southeastern corner of the Matona property and is characterized by a pink or pinkish-brown colour. Most commonly the granite is medium grained and occasionally contains altered clots of ferromagnesian mineral and/or epidote.

Most conspicuous though, are the north-trending diabase dikes which form ridges of up to 50 feet throughout the property. These rocks are typically fresh, black rocks of fine to coarse grain depending on the width of the dikes. They are commonly magnetic, containing very fine disseminations of magnetite ranging to 5% by mode. Veins, stringers and irregular growths of epidote are often noted throughout the outcrop areas. The dikes are generally 100 to 200 feet wide, the widest being exposed along the hydro-electric powerline extending through the western portion of the property.

#### RESULTS OF ASQUITH RESOURCES' EXPLORATION PROGRAM

Exploration of the Matona property has indicated the presence of strong structural and stratigraphic controls of the gold mineralization.

Detailed mapping of the Main Zone previous to the diamond drilling stage indicated that the main lead within the zone was comprised of a black, highly schistose and slaty horizon. Thin section analysis by Dr. G. Wilson (1988) indicates that the zone is comprised of minute platelets of graphite within abundant carbonate (calcite) and +/- quartz, all constituents comprising 95% of the rock by mode.

This graphitic horizon extends from the shaft striking N45°W and dipping 75° to the west, and after a strike extent of 250 feet swings sharply to the northwest striking N65°E at 75° southwest. The zone as exposed is not consistent in its strike orientation, rather it is sinuous in its nature, this being caused by the constant bisection of mafic intrusive dikes within the zone itself. Wilson analyses the dike as a highly carbonatized rock cut by brittle fractures which are lined with chlorite and filled with coarse calcitic carbonate. Typically fine grained and black, Wilson suggests that its mineralogy is consistent with a mafic-ultramafic protolith (lamprophyre).

The footwall of the graphitic horizon is not localized as one distinct rock unit. In the area of the shaft, a fine to medium grained and siliceous rock forms the footwall unit, and itself is not affected by the intrusive dikes which constantly bisect the graphitic horizon. Largely comprised of quartz and feldspar, the rock appears to be highly altered as indicated by the presence of abundant quartz and secondary sericite. Scattered, strained quartz eyes appear to be relict phenocrysts. Wilson describes this unit as a highly altered felsic porphyry. Approximately 270 feet northwest of the shaft an agglomeratic or brecciated intrusive is emplaced between the graphitic zone and its accompanying dikes, and the highly altered felsic porphyry described above. The unit is characterized by a fine grained black matrix which incorporates large bomb-sized fragments of the hangingwall porphyry and smaller fragments of black chert. These chert fragments were presumably derived from concordant lenses of lean, cherty iron formation which occurs within the graphitic horizon itself. Up to 5% finely disseminated pyrite is exhibited within this unit, and where brecciated, carries significant values in gold.

Wilson indicates that the intrusive breccia unit consists largely of carbonate (60%) and serpentine (31%) with quartz as a minor constituent. The feldspathic nature of the rock suggests a matrix that is basaltic in composition. The occurrence and position of this intrusive is important economically in that the occurrence of quartz veining within the graphitic horizon is more prevalent in this area, and sampling indicates that the occurrence of gold within the horizon is likewise enhanced.

The hangingwall of the zone is comprised of a laterally distinct unit described by Wilson as a metabasalt (andesite). The carbonatized nature of the rock indicates the pervasive occurrence of calcite throughout the area.

Detailed sampling of the surface exposure along the Main Zone indicates very low grade gold mineralization accompanies the graphitic horizon extending from the shaft area to an area 350 feet northwest of the shaft. Values ranging from 0.001 oz. per ton gold over 1.0 foot to 0.068 oz. per ton gold over 4.0 feet were obtained from channel samples across the graphitic horizon. The rather low assay values obtained directly reflect the lack of quartz veining (less than 1%) within the graphitic horizon in this area.

Quartz-carbonate veining becomes more prevalent within the graphitic shales just 40 feet southeast of the 125-foot level raise to surface, situated 390 feet northwest of the shaft. Lensoidal, white crystalline quartz-carbonate veining exhibits widths of up to 0.8 feet and lengths of up to five feet, and occur as fracture-filling deposits within the graphitic shales. Pyrite mineralization in concentrations of up to 5% are evident along the vein selvages, and while not evident in the field, fine free gold occurs within the vein quartz itself, as indicated through re-assay of individual vein samples. Gold values obtained in the area of the raise range in grade from 0.049 oz. per ton gold over 4.0 feet to 0.494 oz. per ton gold over a width of 1.0 foot. Continuous values within this assay range were obtained over a strike extent of 90.0 feet, and yield a weighted gold average of 0.146 oz. per ton over an average width of 3.2 feet.

The recent drill program tested the northwestern strike extension of the Main Zone, and again found gold to be closely associated with quartz-carbonate alteration of a cherty, graphitic iron formation. This alteration however, was found to be quite discontinuous both laterally and at depth, occurring generally as thin lenticular stringer veinlets concordant within the graphitic shales. Gold values encountered in drill holes immediately northwest of the mine workings graded as follows:

<u>HOLE NO.</u>	<u>ASSAY (oz./ton)</u>	<u>SAMPLE WIDTH (feet)</u>
M88-7	0.044	14.8 feet
M88-8	0.104	4.0 feet
M88-9	0.100	4.1 feet

Holes M88-10 thru 16 intersected the northwestern strike extension of the graphitic formation and exhibited little to no quartz-carbonate alteration and only anomalous values in gold. Further drilling along the northwestern strike extension of the formation was hampered by the presence of the Hare Creek floodplain. The occurrence of a postulated fault trending north-northwest along Hare Creek further complicates the lateral projection of the gold zone.

Induced polarization surveying was successful in outlining the axis of the Main Zone in the area immediately northwest of the mine workings, yielding a strong chargeability anomaly combined with resistivity lows. This anomaly remains well defined through L10W and into the heavy overburden cover of Hare Creek, where no coverage with I.P. could be completed. West of the Creek the I.P. results appear to have been affected by a complex of diabase dikes which trend northwards through the northwestern quarter of the property. Weakly anomalous I.P. results are evident coincident with the flanks of the diabase intrusives. At station L30W x 12N an area of strong chargeability readings and broad-low resistivities was outlined coincident with the presence of an outcrop of lean, cherty iron formation, similar to that found within the footwall of the Main Zone. This anomaly, although it only occurs on the one survey line, is significant in that it establishes the presence of what could be the western extension of the Main Zone, and hence carries significant exploration potential.

Detailed mapping and sampling in an area 450 feet east of the Matona shaft outlined a narrow zone of gold mineralization consisting of brecciated, crystalline quartz-carbonate veins within a shear zone exhibiting heavy iron-carbonate alteration. This shear structure strikes N10W and dips near to vertical, and lies between sheared and carbonatized andesites to the west and a series of narrow (less than 20') dikes of trachybasalt. Four channel samples taken across the vein structure at ten foot intervals along strike assayed as follows:

<u>COORDINATE</u>	<u>ASSAY VALUE</u>	<u>SAMPLE WIDTH</u>
0+24 south	0.009 oz/ton Au	3.0 feet
0+35 south	0.059 oz/ton Au	1.5 feet
0+45 south	0.386 oz/ton Au	1.5 feet
0+55 south	0.634 oz/ton Au	4.0 feet

This vein structure, termed the North Hare Creek Zone was tested with three diamond drill holes (figures 4 & 5). Holes M88-2 and 3 tested the zone at the 120 and 210 foot horizons and encountered a zone of rather intense quartz-carbonate shearing within trachybasalt flows. No significant gold values were obtained in this sampling. Hole M88-4 located 50 feet south of the previous two holes intersected the zone at the 100 foot level and exhibited minor pyrite in a quartz-carbonate breccia zone. Again no gold values were obtained.

Magnetic and electromagnetic surveys previous to the above-mentioned drilling outlined a north-trending, linear anomaly which appeared to be the northern strike extension of this gold-bearing shear. Drill hole M88-1, located on L8N x 3W, tested this anomaly and found the source to be a 15 foot wide annealed fault zone within massive trachytes. No gold values were obtained from this "recent" fault zone, although a short section of quartz veining along a trachyte-gabbro contact yielded an assay of 0.044 oz. per ton gold over 1.0 foot.

Drilling in the area of the "Sulphide Pit", 1000 feet south of the North Hare Creek Zone, established the presence of a new zone of gold mineralization. Drill holes M88-5 and 6 were designed to test a thin leader of massive sulphide mineralization which was extensively trenched during the 1930's. This sulphide zone was intersected in both holes, with hole M88-6 yielding assay results of 0.04 oz per ton gold over 3.0 feet and 0.09 oz. per ton gold over 3.7 feet in continuous samplings. Further downhole, a zone of intense quartz-carbonate alteration was encountered within massive trachytic flows which yielded gold values of up to 0.085 oz. per ton over widths of up to 2.6 feet. Hole M88-17, drilled 100 feet to the north intersected the same zone of carbonate alteration at the 325 foot level and assayed 0.227 oz. per ton gold over a core width of 3.5 feet. Hole M88-19, drilled still further to the north by 100 feet intersected the zone again at the 350 foot level and yielded 2.4 feet grading 0.048 oz. per ton gold. Hole M88-18, drilled 100 feet south of 88-5/6 failed to intersect any values within the zone and exhibited poor stratigraphic correlation with the holes further to the north, this most likely being due to folding and/or faulting of the section further to the east.

Hole M88-20 was drilled 500 feet north of the Sulphide Pit and again intersected the carbonate shear zone at the 180 foot level. No gold values were obtained in the sampling of the carbonate shear, but further downhole a narrow sequence of graphitic iron formations and porphyry intrusives yielded values ranging from 0.09 oz. per ton gold over 2.0 feet to 0.417 oz. per ton over 0.8 feet. An intersection further up-hole assayed 0.182 oz. per ton gold over 2.6 feet, again associated with graphitic iron formation and porphyry intrusives. The presence of gold within this geological setting is of particular importance in that the gold mineralization found within the Main Zone is hosted within graphitic shales and associated with felsic porphyry intrusives. The geological similarity between the gold mineralization comprising the Main Zone and that found at Hare Creek may indicate that these two gold-bearing structures are stratigraphically the same unit, and have been displaced from one-another by faulting and/or folding. Further exploration ventures on the Matona property should be designed so as to test this hypothesis.



## CONCLUSIONS


Exploration of the Matona Gold Property by Asquith Resources Inc. confirmed the presence of gold mineralization within a structure known as the Main Zone. Underground exploration of this zone outlined persistent gold mineralization associated with crystalline quartz-carbonate veins hosted within carbonaceous, graphitic shales. The mineralization outlined corresponds well with a zone of mineralization defined on surface in Asquith's recent program. Surface and underground sampling combined with diamond drilling indicates that the zone extends further to the northwest, but appears to be of low grade in gold. The presence of a similar geological setting to that of the Main Zone, some 2000 feet to the northwest, indicates potential for additional gold mineralization, and definitely warrants further exploration efforts.

Significant occurrences of gold have also been encountered within both crystalline quartz-carbonate veins and graphitic shales, along a trend known as the Hare Creek Zone. Values ranging to 0.634 oz. per ton gold over 4.0 feet have been derived from quartz-carbonate breccia zones. Such zones of gold mineralization have been encountered along the entire trend of the Hare Creek Zone and generally appear to be of narrow widths and discontinuous configurations. The presence of gold-bearing graphitic shales similar to that within the Main Zone have been encountered south of the North Hare Creek Zone. Although generally narrow in width, high-grade gold values have been indicated through drilling, where the last hole of Asquith's program yielded an assay value of 0.417 oz. per ton gold over a width of 0.8 feet. Poor stratigraphic correlation from hole-to-hole indicates complex structural relationships, a problem which may be resolved through the expansion of the induced polarization survey-coverage further south and east in any future exploration endeavours.

March 20, 1989  
Toronto, Ontario

Respectfully Submitted,

J. L. Tindale and Associates Inc.



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Kenneth W. Johnson  
Project Geologist

## SOURCES OF INFORMATION

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J. L. TINDALE & ASSOCIATES LTD.  
907-110 Erskine Ave.  
Toronto, Ontario M4P 1Y8

# DIAMOND DRILL RECORD

NAME OF PROPERTY MATONA MINE PROPERTY  
HOLE NO. M88-1 LENGTH 300 feet  
LOCATION N.W. CORNER OF TYRELL TWP.  
LATITUDE 300W DEPARTURE 8+00 N  
ELEVATION N.A. AZIMUTH 90° DIP 45°  
STARTED Dec. 5/88 FINISHED Dec. 6/88

FOOTAGE	DIP	AZMUTH	FOOTAGE	DIP	AZMUTH
150	46°				
300	46°				

HOLE NO. M88-1 SHEET NO. 1

REMARKS To Test VLF-EM  
anomaly w N.S. strike  
crossing lines 4N, 8N, 12N  
@ 150 W

LOGGED BY J. L. TINDALE

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS			
FROM	TO		NO.	SULPHIDES	FOOTAGE FROM TO TOTAL	%	%	OZ/TON	OZ/TON
0	51	Sand, occasional boulders.							
51.0	110.0	<u>Gabbro</u> ; dk. gn.; med. to coarse grained; exhibits spotted appearance w white feldspar in groundmass of dk. gn. mafic minerals, hornblende common as minute random crowded laths and needles; disseminated, blebs and fracture fillings of specular hematite; occasional 1/8" to 1/2" veins of calcite, ss, wh, and some salmon pink; increase in pale olive gn serpentine alteration over bottom 20' of interval; traces of pyrite, mostly next to calcite veins and increasing in conc. with section. Veining predominantly 45° to CA. Rock is massive w little foliation.							
		105.3-110.0 Intense yellow gn serp alteration w 1-2% fine to med. pyrite disseminated and along vein borders. Some 1/4 calcite veins w specular hematite, pgj	153001	1%	105.3 110.0 4.7'			11	2.00M .045
110.0	2630	<u>Treshyte</u> ; med to coarse grd.; massive; dk gn matrix w purple sheen to feldspar component; >5% calcite veining w minor Qtz; calcite is white with minor grey and salmon pink; pyrite is common throughout as cubes and fine disseminations up to 3% around veins; specular hematite often w veins but not as disseminated as in gabbro above. Veins @ 45° to 90° to ca.							

J.L.TINDALE & ASSOCIATES INC.  
Consulting Geologists

**DIAMOND DRILL RECORD**

NAME OF PROPERTY MATONA Mine  
HOLE NO. M88-1 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		ppb	G/TON	G/TON	
					FROM	TO				TOTAL
		110.0-112.2 Fine gr. trachyte w 20% salmon pink calcite @ 45° as veinlets; one 2" calcite	002	1%	110.0	112.2	2.2	15	<.001	.033
		127.6-128.8 Med. gr. trachyte w coarse cubic pyrite, minor carbonate, spaulonite; 3% sulphide.	003	3%	127.6	128.8	1.2	19	0.001	.032
		132.0-133.0 med. gr. trachyte w wispy-wh. calc, 1/4" salmon pink calcite, 3% pyrite	004	3%	132.0	133.0	1.0	1514	0.004	.047
		157.0-159.0 Co. trachyte, purplish, 1" glassy & 1/2" salmon pink calc @ 90°; calc wispy; 2% pyrite	005	3%	157.0	159.0	2.0	21	.001	.035
		177.8-180.3 (last 1' of core) Blocky, 50% salmon pink calc. and wh. gr. 1/4" to core	006	-	177.8	180.3	2.5'	107	.003	.040
		181.3-182.9 Trachyte w 20% plk calc, wh gr. vein @ 60° to core. Trace leaching; 1% py disseminated.	007	1%	181.3	182.9	1.6	21	.001	.036
		193-202.0 Fault Zone; blocky ground core; some leaching; rusty stain in trace amounts; 4' core ground.	008	-	193.0	202.0	9.0'	48	.001	.045

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J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

# DIAMOND DRILL RECORD

NAME OF PROPERTY MATONA MINE  
HOLE NO. M04-1 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHUR	FOOTAGE		Au	Ag		
					FROM	TO		TOTAL	01.704	01.704
		202.0 - 207 Fault Zone Broken Trachyte, black, 1' fissure lost; no pyrite or veining evident	009	-	202	207.0	5.0	16	<.001	.043
		207.0 - 210 Fault Zone - some gause like material @ 208, still altered Trachyte, no pyrite noted.	010	-	207.0	210	3.0	14	<.001	.037
		NOTE: FAULT ZONE 193.0 - 210' (17') - probable cause of VLF anomaly.								
		215.4 - 217.7 Trachyte, fine, w/ wh. calc. veins @ 90° and @ 10° to core; vuggy nature to flat veins; traces Jasper - pyrite up to 5% as disc. in places.	011	3	215.4	217.7	2.3	92	.003	.042
		@ 223.2 1" banded pinkish calc vein @ 90°								
		@ 2390 1/2" white vuggy calc vein running 11cl to core								
		@ 241-250.0 Zone of whispy calc, with, in shalved purplish trachyte, possible to graphite elong. slices, pyrite common ± 3%	012	3	247.0	250.0	3.0	18	.001	.035

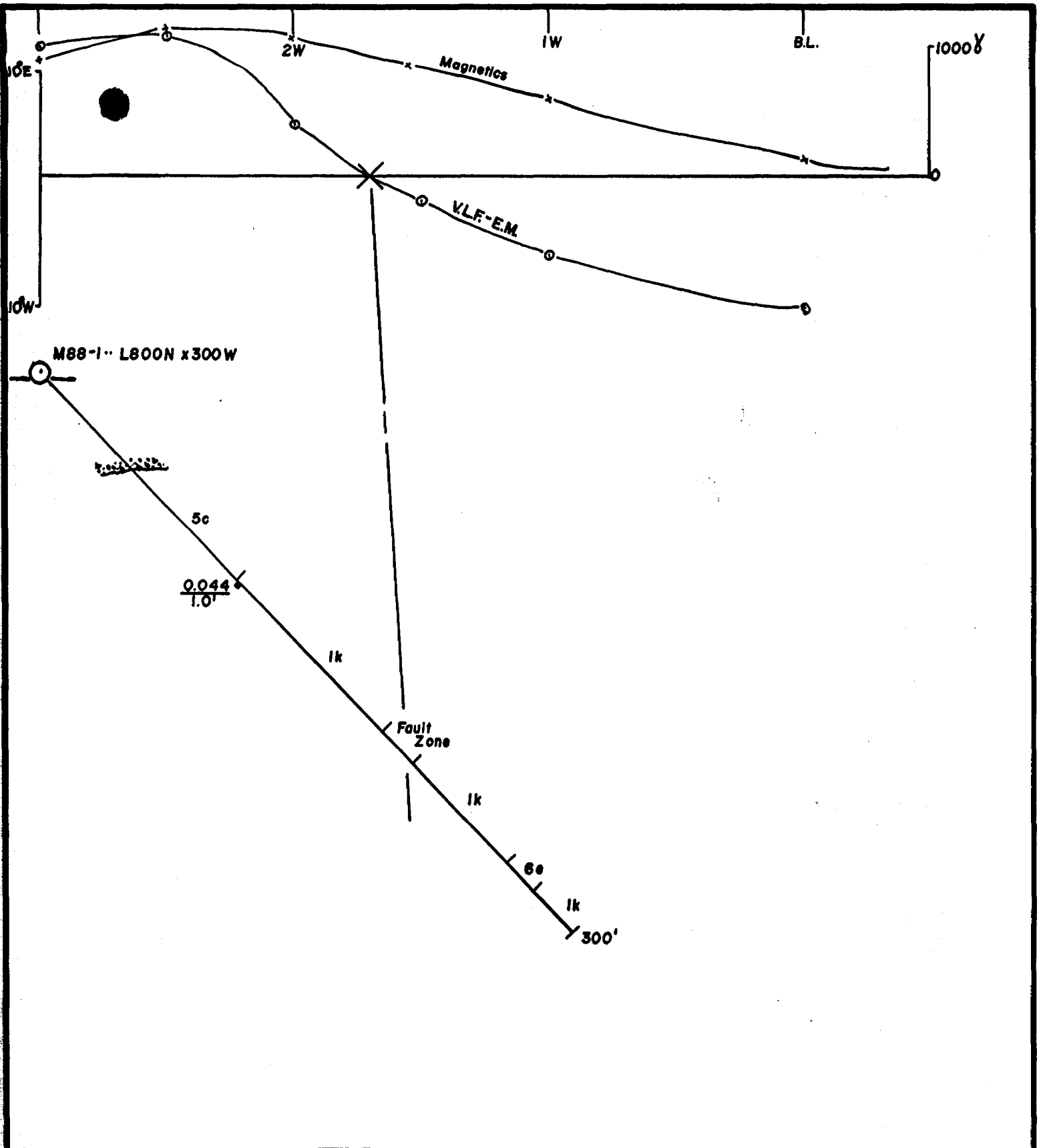
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Consulting Geologists

DIAMOND DRILL RECORD

NAME OF PROPERTY MATONA MINE  
HOLE NO. M 88-1 SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE			Au ASSAYS				
FROM	TO		NO.	% SULPHUR INDEX	FOOTAGE		ppb	oz/ton	oz/ton	
					FROM	TO				TOTAL
		@ 251.5 - 253.2 1/2" gysale, salmon pink in places, running 1/4 to CA; luy py. along contacts in trachyte, blebs, cubes disseminated; specular hematite ± 1% in vein	013	2	251.5	253.2	1.7	23	.001	.040
263.0	278.8	SVENITID; pinkish beige, sharp contact @ 60° w no chilling; med. gr.; very little mafic component; minor calcite and gte veins; bottom contact darker pink to red, sharp @ 45°; trace pyrite disseminated throughout;								
278.8	300.0	Trachyte; dk gn w reddish to purplish feldspar; massive; coarse gr.; occasional calcite veining; zone of bx 291.8 - 293 shows fig. gys. in alt @ contacts similar to chilling effect; pyrite throughout @ 1-2%.								
		@ 283.4 - 2841, 6" banded gys. pk. w. c.g. calcite vein @ 45° to CA								
		@ 292.0 - 293.2 Bx trachyte, v. fig. matrix w fragments and pk ink calc floating therein; v. fig. pyrite to 1% disseminated.	014	1	292.0	293.2	1.2	185	.005	.034

End of Hole @ 300.0'



EGO RESOURCES LIMITED

MATONA PROJECT  
 OF  
 ASQUITH RESOURCES INC.  
 DRILL SECTION  
 facing north

SECTION: 800N

J.L. TINDALE & ASSOCIATES INC.

# DIAMOND DRILL RECORD

J. L. TINDALE & ASSOCIATES INC.  
907-110 Erskine Ave.  
Toronto, Ontario M4P 1Y4

NAME OF PROPERTY MATONA MINE  
HOLE NO. M88-2 LENGTH 300'  
LOCATION Contract Zone - N. HARD ROCK AREA  
LATITUDE 0+65W DEPARTURE 4+50S  
ELEVATION 10' above O.C. AZIMUTH 70° DIP -45°  
STARTED Dec 7/89 FINISHED Dec. 8/89

FOOTAGE	DIP	AZMUTH	FOOTAGE	DIP	AZMUTH
150	43				
300	43				

HOLE NO. M88-2 SHEET NO. 1

REMARKS \_\_\_\_\_

LOGGED BY J.L. TINDALE

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS		
FROM	TO		NO.	SULPHIDES	FOOTAGE FROM TO TOTAL	%	Au pph	Au OZ/TON
0	4.0	Over burden						
4.0	300'	<u>Trachyte</u> ; purplish grading in and out to dk. gn; v.f.g.; often w clasts of serpentinized rock floating in mass; possible amygdulose often filled w pink calcite; Rock is massive w common wispy white and/or salmon pink calcite veinlets; more trace of pyrite, calcopyrite usually w veinlets; spec Fe common w veins; @ 45.5 minor shear w serpentine, calcite, tr. pyrite. @ 55.5 irregular mass of wh. pink calc/gtz, tr. pyrite. @ 124.0 2" pink wh calc vein @ 45° @ 158.0 1' band of bleached brown bands @ 60° to CA. w pink calc, some bx, chlorite, tr. py, spec. Fe. @ 183.0 - 185.3 <u>Shear zone</u> w yellowish ser. along 45° planes, also white pink calc, chlorite, wh. gtz. stringers along shear; tr. py. @ 188.5 3" gtz calc vein, @ 60°						
			152015	<1%	183.0 185.3 2.3		225	.007
			016	41%	188.0 189.5 1.5'		190	.006





# DIAMOND DRILL RECORD

J. L. TINDALE & ASSOCIATES INC.  
907-110 Erskine Ave.  
Toronto, Ontario M4P 1Y4

NAME OF PROPERTY MATONA MINE  
HOLE NO. M788-3 LENGTH 450.0'  
LOCATION CONTACT ZONE - N. HARG CREEK  
LATITUDE 0765W DEPARTURE 4+50S  
ELEVATION 10' above O.C. AZIMUTH 70° DIP -60°  
STARTED Dec 8/80 FINISHED Dec 9/80

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
150	52°				
420	59°				

HOLE NO. M788-3 SHEET NO. 1

REMARKS \_\_\_\_\_

LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	SPL. PH. IDES	FOOTAGE FROM TO TOTAL	%	Au	Pb	oz/TON	oz/TON
0	6'	Overburden								
6.0	162.3	Trachyte; purplish and greenish; fig. fragments of the green trachyte in purplish trachyte; trace of pyrite; white and salmon calcite stringers scattered throughout; appears to be different ages of dykes intruded one into another.								
	43.5'	4" shear zone with calcite; gte, serpi., chlorite, trace pyrite, @ 60°; brown alteration 1" either side of zone	163019	1.0	43.3	44.0	.7	405	.012	
	54.7-56.4'	Shear zone; similar to above; coarse pyrite, w calc gte, serpentinite, @ 45°	020	1	54.7	56.4	1.7	876	.025	
	131.3	4" Qtz carb vein, pinkish, tr. pyrite @ 45°								
162.3	186.3	Serpentine dyke? - grey, to gn. gr.; with yellow blebs and hairline serp. str., occasional gte-calcite veins @ 90°; sharp contacts w no alteration; fragments angular and altered to serpentine like rock; could be altered phase of Trachyte.								

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

DIAMOND DRILL RECORD

NAME OF PROPERTY MATONA MINE  
HOLE NO. MOA-3 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS		
FROM	TO		NO.	SULPHUR IDES	FOOTAGE FROM TO TOTAL	Au	Ag	Ag	
		minor pyrite, trace of fuchsite in soap in whips;	021	<1	162.3 167.0 4.7	18	.001		
		Narrow Rock is soft; minor phos. & clasts of gte.	022	<1	167.0 172.0 5.0	22	.001		
		@ 170.3, 4" band of shearing and wh gte/pink calcite, @80°	023	<1	172.0 177.0 5.0	8	<.001		
			024	<1	177.0 182.0 5.0	<5	<.001		
			025	<1	182.0 186.3 4.3	8	<.001		
186.3	237.6	Trachyte; purple, shot full of hairline wave calcite stringers; massive, fine grained; bleached over bottom 10';							
237.5	253.0	Serpentinized Dyke; gg to yellowish gray, wh; g; clasts of gte, altered wall rock; some angular clasts of gte; fuchsite or spots in clasts and along shearing; @ 247.0-257.0 Many gte clasts, increase in trace amt of fuchsite; trace of pyrite & shearing.	026	<1	247.0 249.5 2.5	20	.001		
			027	<1	249.5 252.3 2.8	39	.001		
253.0	308.7	Trachyte - purple to brownish red; fine angular serpentinized clasts of country rock; hairline calc whips; massive basal portion of interval highly brittle fracture di							

LOGS - TORONTO - 388-1168

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Consulting Geologists

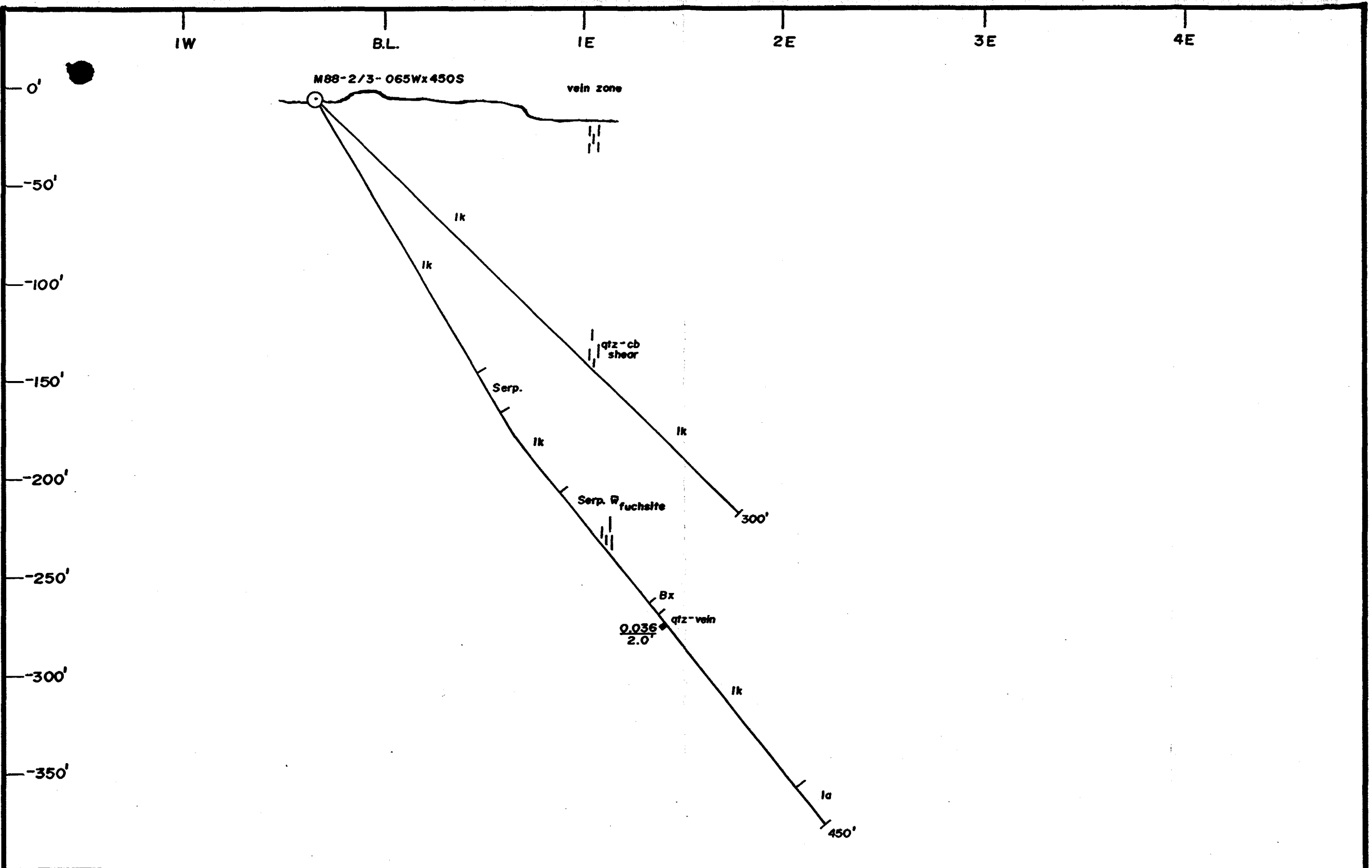
**DIAMOND DRILL RECORD**

NAME OF PROPERTY MATON A MINE  
HOLE NO. M 98-3 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS			
FROM	TO		NO.	FOOTAGE	TOTAL	ppb	GT. TON	GT. TON	
		@ 266.0 - 269.3 Intense shear zone; shistosity @ 35°, sericitic along shear plane and bright green fuchsite, also red carbonate, minor gte clasts, trace of pyrite;	028	<1	266.0	269.3	3.3	327	.01
		@ 272.2 - 274.2 Zone of bx, gte infilling, good pyrite along fractures and disseminated; shistosity @ 30°	029	1	272.2	274.2	2.0	163	.005
308.7	315.0	Bx Zone; appears to be extremely altered and brecciated trachyte w fine clasts of black cherty material and large clasts of brown trachyte; splashes and blebs of salmon pink calcite; traces pyrite; minor serpentine lining fractures;	030	<1	308.7	311.8	3.1	92	.003
			031	<1	311.8	315.0	3.2	75	.002
315.0	426.0	Trachyte, purple to gn to purple brown; v.f.g, brittle fracture; gte carb whips throughout; minor bx of brittle trachyte;							
		@ 320.0 - 322 Ore filled vein, shistosity prominent @ 50°, fine pyrite as educt; blebs	032	1	320.0	322.0	2.0	1249	.036
		@ 405.5 - 407.1 Bx zone, cherty gte, calcite veins @ 50°; traces pyrite.	033	1	405.5	407.1	1.6	70	.002

COGES - TORONTO - 368-1188





EGO RESOURCES LIMITED

MATONA PROJECT  
OF  
ASQUITH RESOURCES INC.  
DRILL SECTION  
facing north

J.L. TINDALE & ASSOCIATES INC.

SECTION:450S

# DIAMOND DRILL RECORD

J. L. TINDALE & ASSOCIATES INC.  
907-110 Erskine Ave.  
Toronto, Ontario M4P 1Y4

NAME OF PROPERTY MATONA MINE  
HOLE NO. M88-4 LENGTH 350'  
LOCATION \_\_\_\_\_  
LATITUDE 0750W DEPARTURE 4+855  
ELEVATION 10' above O.C. AZIMUTH 70° DIP -45°  
STARTED Dec 10/88 FINISHED Dec 11/88

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
150	43°				
350	41°				

HOLE NO. M88-4 SHEET NO. 1  
REMARKS N. HARE CREEK Zone

LOGGED BY J. L. TINDALE

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS			
FROM	TO		NO.	SULPHIDES	FOOTAGE FROM TO TOTAL	%	%	OZ/TON	OZ/TON
0	12	Overburden.							
12.0	147.0	Trachyte; purplish to greenish, v. fig, brittle and massive, fragments of adjacent formations throughout varying in size from 1/4" to 1"; frags angular; multiple white calc. and gtz filled veins @ 45 to 80°. Spec hematite often w veins.							
		@ 42.0-46.7 DKign. med g-d, mafic volcanic; sharp contacts; @ 80°							
		@ 90.0' 4" banded gte, calc vein w black wavy shear planes, brick red inclusions, 1% py or cov. fine dissemination @ 60°	15305	1	89.7	90.7	1.0	2564	.075
147.0	161.5	Breccia Zone; intensely brecciated trachyte zone; dkgn to gg; hvy shear zone at start over 10', rusty, sh. to ss; fragments of gte; calc. common; some of zone cemented by white gte; several salmon pink calc/te veins @ 45°; sh. w. where evident							

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

**DIAMOND DRILL RECORD**

NAME OF PROPERTY MATONA MINE  
HOLE NO. M88-4 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS		
FROM	TO		NO.	LSULPH %S	FOOTAGE		ppb	g/t	g/t
				FROM	TO	TOTAL			
		is @ 45° w/ whippy wavy pale yellow soap/sericite throughout; possible hair-line black graphite(?) wavy fractures; very fine grained pyrite throughout;							
		@ 147.0 - 149.5 Rusty shree. gtz with br. py v.f.g, 2" nk. calc.	036	1	147.0	149.5	2.5	251	.007
		@ 149.5 - 151.8 DK gn, hvy shree, 2% gtz, good v.f.g py	037	1	149.5	151.8	2.3	259	.008
		@ 151.8 - 154.1 DK gn, hvy shree, 10% gtz, traces v.f.g py	038	<1	151.8	154.1	2.3	429	.018
		@ 154.1 - 156.1 Trachyte, brittle fractures, tr. py, 1% gtz	039	<1	154.1	156.1	2.0	40	.001
		@ 156.1 - 158.1 DK gn, intense alt., hvy calc, 2% gtz, 1% py	040	1	156.1	158.1	2.0	199	.006
		@ 158.1 - 161.5 Basal zone, hvy pale gn whippy shree planes, 10% wh. gtz, calc; tr. 1% py v.f.g	041	1	158.1	161.5	3.4	180	.005
161.5	283.3	<u>TRACHYTE</u> : Purplish to dk gn, gy, v.f.g, massive, brittle, occasional fragments angular hair-like gtz calc veinlets; sporadic hematite along occasional fractures w/ veins;							
		@ 197.0 4" zone of calc/banded vein, py, wh. calc, 60%							
		@ 237.7 - 239.0 Gn altered trachyte, spec. hematite along fracture							

RODGES - TORONTO - 366-1168



# DIAMOND DRILL RECORD

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

NAME OF PROPERTY MATOJA MINE  
HOLE NO. M00-4 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SHLPH 10CS	FOOTAGE			%	%	G/TON	G/TON
					FROM	TO	TOTAL				
283.3	293.7	Trachyte Phase; dk grey to dk olive; v.f.; brittle but appears to be sheared @ 50°; horizontal serp. selvage @ 45°; purple gte-calc veins @ 30°-40° common up to 1/2" in diameter; small (<1/4") frags throughout most altend to pale gr; occasional sections brecciated; f.a. pyrite throughout sections - up to 5% in places Note: increase in pyrite is significant.									
		@ 283.3 - 288.3 as above w purple calc veins, 1% py	042	1	283.3	289.8	41.5		41	.001	
		@ 289.3 - 289.6 Gv, dk olive-gr, dk grey gte & frags, bl. chert P hvy py - 3-5%	043	3	288.3	289.1	0.8		57	.002	
		289.6 - 291.3 Less altered trachyte, olive gr, 1% pyrite	044	1	289.1	291.3	2.2		66	.002	
		291.3 - 293.7 Sheared mildly @ 30°, f.a. disse. py. Note No Sample TAG # 045	045	1	291.3	293.7	2.4		28	.001	
293.7	318.6	Trachyte, purplish, massive, minor - flat angle shearing, irregular, gte-calc veining; veins often have spec. Fe w epidote; lower contact sharp.									
318.6	350	Mafic volcanic; grey grading downward to dk grey to black; very v.f.; contact zone is highly sheared and injected w wh. grey, minor pink calc; blk. massive									

MOSES - TORONTO - 366-1168



IW

B.L.

IE

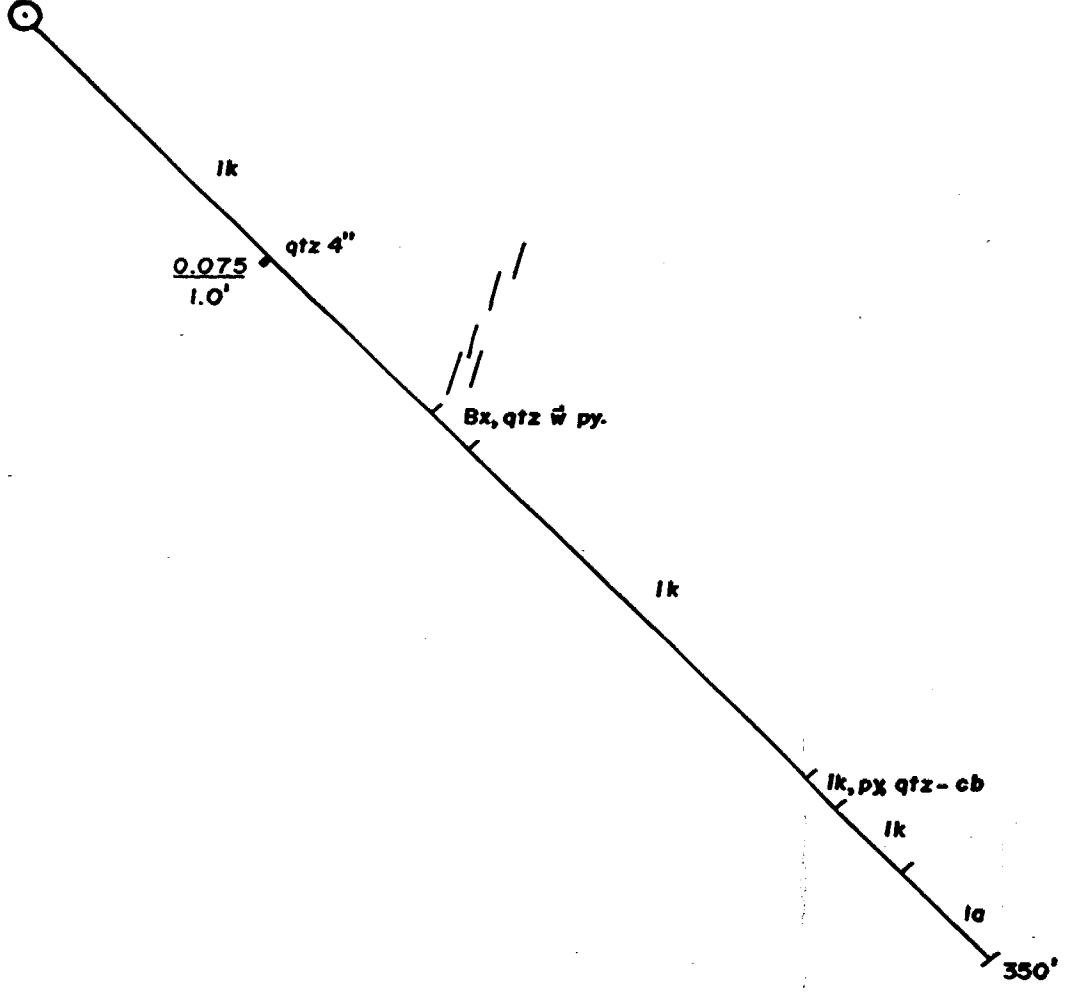
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-100'  
-150'  
-200'  
-250'  
-300'  
-350'

M88-4-050x495S



EGO RESOURCES LIMITED

SECTION: 500S

MATONA PROJECT  
OF  
ASQUITH RESOURCES INC.  
DRILL SECTION  
facing north

J.L. TINDALE & ASSOCIATES INC.

# DIAMOND DRILL RECORD

J. L. TINDALE & ASSOCIATES INC.  
907-110 Erskine Ave.  
Toronto, Ontario M4P 1Y4

NAME OF PROPERTY MATONA PROPERTY  
HOLE NO. M88-5 LENGTH 350'  
LOCATION South Hare Creek - Sulphide Zone  
LATITUDE 1+00 E. DEPARTURE 15+14 S.  
ELEVATION -10.63 A. AZIMUTH 82° DIP -45°  
STARTED DEC. 12/88 FINISHED DEC 12/88

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
16.0	40				
71.7	42				

HOLE NO. M88-5 SHEET NO. 1  
REMARKS Sulphide Zone

LOGGED BY J. L. TINDALE

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
0	16	Over burden								
16	29.7	Intermediate to mafic volcanic; g to dk gy, gngrey; v.f.g, some fragments, angular, dkgs to black; siliceous in part, brittle, minor gtz veins @ 45°; pyrite disseminated and along gtz veins; traces bright green chalcite; appears to grade downward into pyroclastic unit.								
29.7	71.7	Pyroclastic Unit; pale grey matrix w angular and rounded fragments of pale gn, black, white, pink, fragments up to 1" in diameter; looks almost conglomeratic; some gtz veins @ 45°; pyrite traces as small clusters and disseminations; lower contact is banded gtz w graphitic partings.								
		@ 71.0 - 78.1 2" band gtz-carb vein; graphitic vein edge and along fracture in vein; fine gr. pyrite, disseminated in vein wall rock, vein @ 25°.	049	<1	71.0	78.1	1.1		57	.002

# DIAMOND DRILL RECORD

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

NAME OF PROPERTY Metina

HOLE NO. MBB-5

SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			Cu	Pb	ASSAYS		Zn		
FROM	TO		NO.	SULPH	FOOTAGE			PRM	PRM		01.700	01.700
				IDES	FROM	TO	TOTAL					
71.7	143.5	Olivgn to gy to dk gy Mafic Volcanic; f.g., massive; inclusions of black hornblende, often cube-like, gte and calcite as wavy hair-like fruct. fillings; some fairly massive pyrite in minute patches; some gte veins banded @ 45°. Grades into dk gn-graphite rich phase w/ accompanying irregular fillings of massive sulphide; difficult to determine why sulphide is here; calcite accompanies sulphide; red Fe stain in some of massive sulphide.										
	91.3-93.9	Dk gn volve, high in chlorite; gn - w/ 15% massive sulphide (pyrite) in gte; carb. vein irregularly distrib. along vein; suggestion of sulphide running w/ vein but other section @ 45°.	050	15	91.3	93.9	2.6	✓ 83	✓ 6	✓ .001 17ppb	✓ .044	✓ 71
	93.9-95.5	as above w/ 20% pyrite; heavy red Fe coloration	051	20	93.9	95.5	1.6	✓ 67	✓ 6	✓ .002 62ppb	✓ .055	✓ 71
	95.5-99.5	Dk gn to gy gn volve, porphyritic - f.g. w/ phenos and black clasts occasionally; dense.	052	Tr	95.5	97.5	4.0		33	.001	.029	
	99.5-100.5	as above w/ massive - 5.1%, 20%	053	20	99.5	100.5	1.0		38	.001	.055	
	100.5-101.5	Dk gn volve as in 95.5-97.5	054	Tr	100.5	101.5	1.0		49	.001		

LOGS - TORONTO - 366-1168

# DIAMOND DRILL RECORD

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

NAME OF PROPERTY MATONA Mine  
HOLE NO. MBR-5 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	SIZES	FOOTAGE		Au ppb	Ag GT 100	Ag GT 100	
					FROM	TO				TOTAL
		101.5-103.2 Olive gn. v. calc, serp. in part w massive sulph w gtz-calc as above 10%	055	10	101.5	103.2	1.7	18	.001	.055
		@ 108.5 1/2" gtz w some white, 5% pyrite or clusters @ 60°								
		@ 113.9-116.0 Shear zone, graphite along slip planes, gtz vein w massive pyrite clusters; bleaching of country rock.	056	1	113.9	116.0	2.1	185	.005	
143.5	165.0	Carbonate Zone i pale gn v. calc w 20-30% gtz calcite vein in; rock is highly altered to serpentine; traces of pyrite; rock fragments w high pyrite content; to pyrite over all.								
		@ 143.5-144.5 Qtz-calc, wavy banded, @ 45°	057	21	143.5	144.5	1.0	133	.004	
		@ 144.5-149.5 Lt gn rock, 15% gtz, calc.	058	21	144.5	149.5	5.0	45	.001	
		@ 149.5-154.5 as above w vein in; calc zone w 10% py	059	21	149.5	154.5	5.0	126	.004	
		@ 154.5-159.5 " "	060	21	154.5	159.5	5.0	41	.001	
		@ 159.5-164.0 Same as above, some rather pink calc.	061	21	159.5	164.0	4.5	34	.001	
		@ 164.0-165.0 Bx, black, rusty fractures, soft, pyrite w blotches to 10%	062	2	164.0	165.0	1.0	173	.005	

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

**DIAMOND DRILL RECORD**

NAME OF PROPERTY MATON A  
HOLE NO. M 80-5 SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHUR	FOOTAGE			%	%	G/TON	G/TON
					FROM	TO	TOTAL				
165.0	239.3	Basalt; black to dk. gn; dense massive; occasional inclusions and fragments; serp-epidote intense in narrow bands w shearing @ 60°; occasional gte-calc veining, becoming common deeper in interval w whippy veinlets and fract. fillings common.									
		@ 190.4 4" calc, w intense soft serps, pyrite gabs @ 217, 4" pk calc w bl inclusions, gtz, whippy yellow gn serp at vein edges to py.									
229.3	303.0	Troctolite-Basalt; dk gn w red flecks at top of interval; becoming very dense, featureless and massive downward in hole; occasional small phenocrysts replaced by pyrite; minor disseminated pyrite throughout. No veining.									
303.0	327.0	Carbonate Shear-zone's could be by dyke as troctolite basalt unit is chilled @ contact @ 45°; zone is gn, gy, to gray, to green; mst unit altered to									

ROGEE - TORONTO - 366-1166

# DIAMOND DRILL RECORD

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

NAME OF PROPERTY MATONA MINING  
HOLE NO. MB8-5 SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHUR IDES	FOOTAGE		ppb Au			
				FROM	TO	TOTAL	%	%	01.10m	07.10m
		serpentine-carbonate facies; gtz white injected throughout making up 30% of unit in part; pyrite here in places as fig. disseminations; rock generally brecciated; graphite present along shear planes; bright red stain on shear planes.								
	303.0 - 305.0	Beige, gr, graphite partings, hyp pyf. in gtz veins	063	2	303.0	305.0	2.0		210	.006
	305.0 - 308.0	Bx, gtz, serp, graphite on planes	064	1	305.0	308.0	3.0		241	.007
	308.0 - 310.0	Qtz 60%, bi-cr, graphite, pyrite 5%	065	2	308.0	310.0	2.0		454	.013
	310.0 - 313.0	Pile of carb rock zone, irregular gtz filled gsch fract, graphite stain planes	066	<1	310.0	313.0	3.0		152	.004
	313.0 - 315.8	As above w 30% wh gtz	067	<1	313.0	315.8	2.8		152	.004
	315.8 - 317.6	Rt. gr carb rock, red Fe stain; gtz ribbons, traces pyrite	068	<1	315.8	317.6	1.8		385	.010
	317.6 - 321.0	Wh gtz 20% as veins, bl graphite partings, hyp graphite stain, trace pyrite	069	<1	317.6	321.0	3.4		1147	.033
	321.0 - 327.0	Yellow green, serp rich rock, calc veins, trace to 1% pyrite	070	<1	321.0	327.0	6.0		459	.013





# DIAMOND DRILL RECORD

J. L. TINDALE & ASSOCIATES INC.  
907-110 Erskine Ave.  
Toronto, Ontario MAP 1Y4

NAME OF PROPERTY MATONA MINE  
HOLE NO. M98-6 LENGTH 448'  
LOCATION South West Copeck - Sulphide Zone  
LATITUDE 1+00E DEPARTURE 15+14S  
ELEVATION -10.63 A. AZIMUTH 82° DIP -60  
STARTED Dec. 13, 1988 FINISHED DEC 14, 1988

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
250	52				
448	50°				

HOLE NO. M98-6 SHEET NO. 1  
REMARKS Sulphide Zone

LOGGED BY J. L. TINDALE

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
0	12.0	Over burden, boulders.									
12.0	30.5	Mixed intermediate to mafic volcanics and a Pyroclastic unit; dark grey to gg to dk gr; fine grained, porphyritic w minute white phenocrysts; large (up to 1") clasts w clasts of black hornblende in clasts; gtz and calcite whips and infilling of gash fractures; some serpentine rich sections, yellow green; pyrite disseminated and as partial replacement of some clasts; grades downward to predominant pyroclastic unit w pyrite in bunches.  @ 72.5, 5" white massive gtz vein w calcite @ 45° @ 75.5 zone of gg. calc w massive pyrite inclusions.									
30.5	137.0	Mafic volcanic, altered to serpentine like rocks, u.f.g; some bx; graphite common impurity, inclusions shales and along vein bundles; massive pyrite through out in filling or replacing fractures, calcite									

LANGRIDGE'S - TORONTO - 366-1168

# DIAMOND DRILL RECORD

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

NAME OF PROPERTY MATOWA MINE  
HOLE NO. M 88-6 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE		Cu	Pb	Pb		Zn	
					FROM	TO			OF 100	OF 100		
		matrix; red stain on some fractures;										
		<u>Sulphide Zone</u>										
		@ 80.5 - 87.0 Gn serp w 15% pyrite as infilling calc veins	072	15	80.5	87.0	6.5	629	31pb Pb 17	.001	.052	71
		@ 87.0 - 92.0 Gn serp w 20% " " " "	073	20	87.0	92.0	5.0	439	Pb 177pb 13	.005	.052	79
		@ 92.0 - 97.0 DK granule gn serp, 10% pyrite	074	10	92.0	97.0	5.0		300 310pb	.009	.055	
		@ 97.0 - 102.0 Gn serp w 15% pyrite	075	15	97.0	102.0	5.0	816	Pb 1) 1331pb	.039	.061	45
		@ 102.0 - 105.0 Gn serp, trace pyrite	076	7	102.0	105.0	3.0		326	.009		
		@ 105.0 - 107.5 Graphite rich replacement and as coatings along shear planes in wh. calc veins, traces to 1% pyrite	077	7	105.0	107.5	2.5		325	.009		
		@ 107.5 - 109.0 Gn serp, 1% pyrite	078	1%	107.5	109.0	1.5		124	.004		
		@ 109.0 - 114.0 Gn serp, 10% pyrite, minor red Fe	079	10	109.0	114.0	5.0		57	.002		
		@ 114 - 117.0 Gn serp, 5% "	080	5	114.0	117.0	3.0		86	.002		
		@ 117 - 119.6 Black graphite in brecciated trachyte unit w red inclusions; probably breccia; traces pyrite;	081	4	117.0	119.6	2.6		257	.007		
		119.6 - 123.0 Gn serp, 10%	082	10	119.6	123.0	3.4		90	.003		
		123.0 - 127.0 " " 5%	083	5	123.0	127.0	4.0		62	.002		
		127.0 - 130.0 " " 3% " graphite on line	084	3	127.0	130.0	3.0		1419	.041		

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

**DIAMOND DRILL RECORD**

NAME OF PROPERTY MATOLA MINE  
HOLE NO. M88-6 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHUR	FOOTAGE		ppb Au				
			IDES	FROM	TO	TOTAL	1	2	01 TON	02 TON	
		@ 130.0 - 133.7 Graphite rich shear w/ wheelite veins; numerous small shales @ 35°	085	1	120.0	123.7	3.7		3120	.091	
		@ 133.7 - 137.0 Gn gy serpentinized v. no mineral of note, calc. gte veins whisp.									
137.0	187.1	Serpentinized mafic v. gn to H. gn; differences in texture of serpentinization; almost spinifex texture in places; other sections reasonably unaltered; g. numerous carbonate veins through, increasing w/ descent of serp.; minor gte w/ carbonates; vein @ 60° predominant; pyrite heavy to massive in irregular masses along core as in wavy veins, as above; red Fe stain w/ pyrite often; some rusty gouge along fractures;									
		@ 146.3 - 150.5 Serp. rich, bands of clusters pyrite, w/ red rusty stain. 3% overall pyrite	086	3%	146.3	150.5	4.2		320	.009	
		@ 162.0 - 165.2 Qtz carb veins in 30% pyrite 5% rust.	087	5%	162.0	163.2	1.2		359	.010	
		@ 175.5 - 180.3 Carbonate rich rock, whispy calc. gte veins; streaks w/ red stain of pyrite 5%	088	5%	175.5	180.3	4.7		235	.007	
		@ 186.0 - 187.2 Dr. v. shear w/ graphitic pyrite 3%	089	3%	186.0	187.2	1.2		318	.009	

HOGES - TORONTO - 366-1168

# DIAMOND DRILL RECORD

J.L.TINDALE & ASSOCIATES INC.  
Consulting Geologists

NAME OF PROPERTY MATONIA MINE  
HOLE NO. M 09-6 SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS		
FROM	TO		NO.	S. D. L. P. 10CS	FOOTAGE		g	g/t	g/t
				FROM	TO	TOTAL			
187.1	244.0	DK gn mafic volc - Basalt <sup>+ Trachy Basalt</sup> - massive, dense, occasional bright gn serpentine along fractures; minor disseminated pyrite. Very fine grained.							
244.0	266.8	Trachyte - reddish flecked dk gn matrix; calc-gtz whisker veins common; medium grained; traces pyrite dissemination and occasional blotches, contact w overlying unit had w bright gn serp @ 45°							
266.8	275.0	Serpentinized dk gn, soft, wavy holed calc-gtz; v.f.g. basal portion injected w dk gn gtz veins; 3%-6% coarse clusters of pyrite; chlorite, large scale fractures, gtz is purplish colour in part.	090	5	273.0	275	2.0	2156	.063
275.0	307.9	Trachy-Basalt; dk gn, minor red flecks; v.f.g. holed green epidote portion; calc, occasional veins; @ 303.0, 2" gtz - cord vein, egg white to green, blebe j.c.p.g.							

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

**DIAMOND DRILL RECORD**

NAME OF PROPERTY MAYONA MINE  
HOLE NO. 1788-6 SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	SULPH IDES	FOOTAGE		%	Peb	G/TON	OZ TON
					FROM	TO				
307.9	350.7	Carbonate Zone; alternating layers of gn to pale gn serpentinized carbonate vein rich zones of very fine grey, brittle, soft, dense volcanic and a band of nephelitic gassy dyke rock in centre of section. Qtz-carb vein/replacement hyp. in section w/ associated u.f. sp. in patches; S-folding or flow structures evident in upper carbonate unit.								
		@ 307.9-312.0 Gn, dkgn, carb vein rich, pyrite 1%, gtr veins	091	1	307.9	312.0	4.1		219	.006
		@ 312.0-314.6 Gn to blk, wavy bedded, folded, gtr carb. vein rich to 3", py. 4% to 5% in patches in veins	092	3	312.0	314.6	2.6		2927	.085
		@ 314.6-319.3 Gn to gn, soft, u.f., brittle, frost v. blk, fronts w black lining, occasional gash fronts filled w carb./or pyrite	093	TR	314.6	319.3	4.7		91	.009
		@ 319.3-322.0 as above but denser, no vein rich mineral	094	-	319.3	322.0	2.7		373	.011
		@ 322.0-324.7 as above w thin massive pyrite bands	095	1	322.0	324.7	2.7		158	.005
		@ 324.7-325.9 Qtz-carb replacement vein, shaly; 4% py. to as patches and blotches.	096	4	324.7	325.9	1.2		1439	.042
		@ 325.9-328.5 Pale gn porphyritic, gtr. white st.	097	-	325.9	328.5	2.6		53	.002
		@ 328.5-330.8 Section 60% gtr. & 5% pyrite along bedding and diss. in host rock.	098	5	328.5	330.8	2.3		1656	.048

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J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

DIAMOND DRILL RECORD

NAME OF PROPERTY Matoja Mine  
HOLE NO. M08-6 SHEET NO. 6

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	SULPH. INCS	FOOTAGE		Au	Au			
					FROM	TO		TOTAL	Gr. Ton	Gr. Ton	
		@ 330.8 - 332.0 Intense carb-gte veins in calc. rock, to py	499	+	330.8	332.0	1.2	285	.008		
		@ 332.0 - 336.3 Dense dk gn. vol., minor calc.	100	-	332.0	336.3	4.3	60	.002		
		* @ 336.3 - 341.0 Silicified rock, dk gy gte, minor carb. w/ pyrite also, fract. in gte, 10% pyrite; Excellent gold rock. Graphitic parting @ end of section	101	10	336.3	341.0	4.7	136	.004		
		@ 341.0 - 344.3 Carb. zone - pale grey, occasional pyrite blotches	102	-	341.0	344.3	3.3	292	.008		
		@ 344.3 - 347.0 Band of dk gn. vol., carb zone and gy. vif g. vol.; 8" gte-carb vein; traces Lvs. py in wall rock	103	-	344.3	347.0	2.7	93	.003		
350.7	384.0	Trachyte - gn to purplish, fig., occasional calc vein w/ minor gte; traces disc. pyrite; grades from purple brown to fig. gn to vif g. gn w/ red flecks; some bleached zones showing increase pyrite, probable healed fault, most gte-calc @ 40°									
384.0	400.1	Azolomite; coarse fragments of apparent red-pink granite in dark gte or vol.; a kyanite									

JUGES - TORONTO - 366-1168

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

# DIAMOND DRILL RECORD

NAME OF PROPERTY MANTONA Mine  
HOLE NO. M83-6 SHEET NO. 7

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	SULPHUR IDES	FOOTAGE			Au ppb	Au		
					FROM	TO	TOTAL		01 100	02 100	
		Common ground fragments; also traces of white gte; zone badly fractured; several leached pit calc veins along fractures; some wavy seen, lined shales @ low angles; traces of pyrite around fracture areas; pyrite disseminations along partings and fracture areas; blocky.	104	41	387.6	390.2	2.6		66	1002	Rep. Sample
400.1	412.3	<u>Serpentinized Trachyte</u> , pale green, porphyritic w white angular phenocrysts; occasional white calc-ite veinlets @ 45° w black spongy borders; soft; pyrite disseminated and in small blotches; xls; ...									
412.3	448.0	<u>Trachyte</u> ; purple to an purple; fig. massive, black angular fragments; minor calc veinlets; traces cubic quartz disseminations.									
		End Hole @ 448'									

LOGS - TORONTO - 368-1168



IW

B.L.

1E

2E

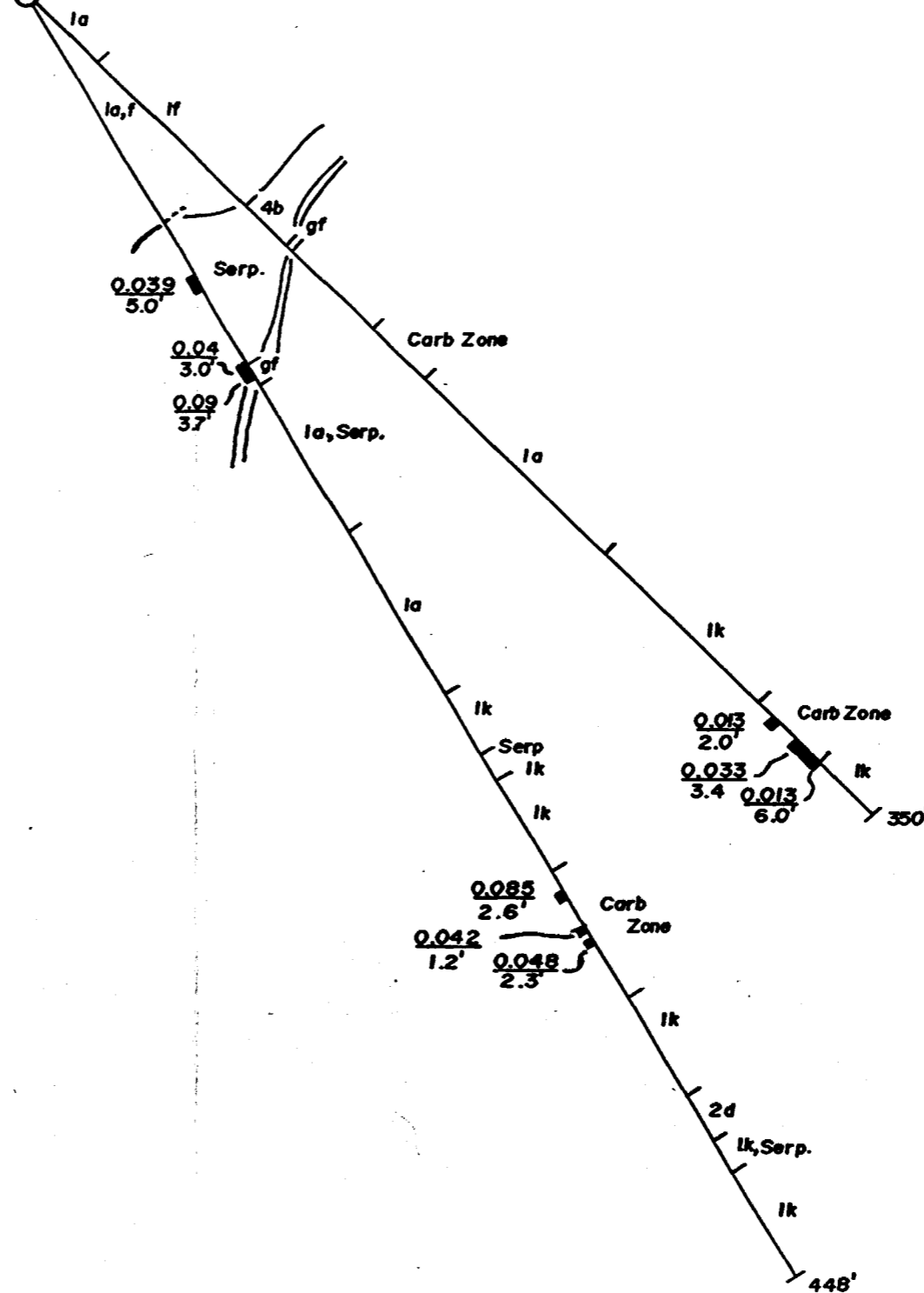
3E

4E

0'  
-50'  
-100'  
-150'  
-200'  
-250'  
-300'  
-350'

M88-5/6-100E x 1514S

Sulphide Zone  
V  
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EGO RESOURCES LIMITED

SECTION: 1500S

MATONA PROJECT  
OF  
ASQUITH RESOURCES INC.  
DRILL SECTION  
facing north

J.L. TINDALE & ASSOCIATES INC.

# DIAMOND DRILL RECORD

J. L. TINDALE & ASSOCIATES INC.  
907-110 Erskine Ave.  
Toronto, Ontario M4P 1Y4

NAME OF PROPERTY MANTONA MINE  
HOLE NO. M88-7 LENGTH 350'  
LOCATION WEST END of MAIN MINE ZONE  
LATITUDE R+1°N DEPARTURE 3+155  
ELEVATION -24.12 A. AZIMUTH 25° DIP -45°  
STARTED DEC. 14 1989 FINISHED DEC. 15, 1989

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
150	45°				
350	45°				

HOLE NO. M88-7 SHEET NO. 1

REMARKS MAIN ZONE

LOGGED BY J. L. TINDALE

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
0	85.0	Sand and boulders of granite, trachyte								
85.0	101.6	Trachyte/basalt; gr to dk green; very fine grained, partly fragmental w varying sizes of red jasper (1/4"-4"), some of sections hvy w gtz carb veins 1/6" to 1/8", gtz-carb veins in part w bright red flake and hvy pyrite; pyrite disseminated thru out sections; zone badly broken - may be fault zone; basal contact gradual to underlying rock								
		@ 90.0-95.0 Jasper rich section w gtz-carb veins, & pyrite	105	41	90.0	95.0	35.0	1158	0.034	
101.6	200.6	Mafic Volcanic; dk. grn; f.g.; occasional hairline gtz-vein @ 45-60°; black & E bands @ 90° rare, w pyrite; pyrite more prevalent in lower sections w clusters along fractures and minute veins; @ 166.6 1" white gtz-vein @ 50° @ 156.5 3/4" black band of graphite @ 40°								

LANGRIDGES - TORONTO - 366-1168

J.L.TINDALE & ASSOCIATES INC.

Consulting Geologists

**DIAMOND DRILL RECORD**

NAME OF PROPERTY

Matonia Mine

HOLE NO.

M80-7

SHEET NO.

2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	SULPH. IDES	FOOTAGE		%	Ag	Ag	Ag
					FROM	TO		TOTAL	01.100	02.100
200.0	227.5	Mafic volcanic(?), gradational from above; grey grading to almost white and vit. at base of interval; concordably fractured w black graphite along fractures; occasional gte stringers @ 60-90°; some shearing w gy wh. infilling and flakes of graphite; pyrite as patches in breccia zones; lower contact sharp @ 80°. Obvious effect of vein/fault zone has bleached hanging wall.								
227.5	230.0	- <u>Matonia Mine Zone (5.0')</u> Zone consists of 1' H.W. of carbonate with pct gte to grey zone w 50% gte-carb veins; w bl. sp. scap and fuchsite portions; 2-3% v.f.s. pyrite disseminated throughout though only traces in veins proper: F.W 1.5' is graphite rich, massive black with bands of white, fractured gte-carb veins; pyrite in graphite is coarse grained, which shearing is shiny graphite.								
			106	3	227.5	228.5	1.0	233	.007	.038
			107	3	228.5	250.0	1.5	563	.016	.050
230.0	232.5	Serpentine; yellow green; v.f.s. with irregular masses of gte-carbonate w fine grained masses of pyrite throughout; graphite along fractures; trace fuchsite.	108	1	230.0	232.5	2.5	69	.002	.044

RIDGES - TORONTO - 306-1168



# DIAMOND DRILL RECORD

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

NAME OF PROPERTY MATONA MINE  
HOLE NO. M08-7 SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	SULPHUR IDES	FOOTAGE			gph	02 TON	02 TON
					FROM	TO	TOTAL			
		@256.0-257.5 Br, coarse py. replacement masses and dist. cement gtz veins @ 70°; fractured chert pebbles	111	3	256.0	257.5	1.5	1257	.037	←
		@258.0-263.0 as above w 4% pyrite	115	4	258.0	263.0	5.0	1274	.037	0.044/148
		@263.0-268.0 as above w 5% "	116	5	263.0	268.0	5.0	1024	.030	
		@270.8-274.5 as above w 3% "	117	5	270.8	274.5	3.3	2795	.031	←
		@276.0-278.3 as above w 6% "	118	6	276.0	278.3	2.3	166	.005	
		@278.3-283.3 " above w 10% "	119	10	278.3	283.3	5.0	138	.004	
		@283.3-288.0 " " w 5% "	120	5	283.3	288.0	4.7	164	.005	
		@288.0-293.0 Shear zone, pale gn gtz, many serp. patches throughout @ 80°; br fragments small throughout; pyrite as replacements of fragments in blotches of f. mineral	121	5	288.0	293.0	5.0	152	.004	
		@293.0-296.0 Br, sheared, carbonate, dk gn to pale gn; pyrite as replacement masses	122	3	293.0	296.0	3.0	489	.014	
		@315.0-319.9 Less Br near end of section but sudden increase in massive pyrite replacement, botryoidal masses w concentric rings in places; some disseminated py	123	10	315.0	319.9	4.9	143	.004	
		@319.9-322.9 Sheared zone pale gtz, many serp. cork many show planes @ 70° over 1' grad down to black and dk gn fragmental, sheared, black chert pebbles, & also fractured; pyrite as massive replacement blotches and disseminated, 3%.	124	3	319.9	322.9	3.0	22	.001	

LOGS - TORONTO - 366-1168

J.L.TINDALE & ASSOCIATES INC.  
Consulting Geologists

**DIAMOND DRILL RECORD**

NAME OF PROPERTY MATONA MINE  
HOLE NO. M89-7 SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	SHP/PCS	FOOTAGE		%	Au		G/TON	G/TON	
					FROM	TO		TOTAL	ppb			G/TON
		c 322.9-325.6 Shear zone, white to grey wh; c brb-serp; some black chert frags (small); pyrite blotches highly threaded, do not seem to be replacement frags; black streaks throughout; Shear in at contact w unit below.	125	10	322.9	325.6	2.7		199	.006		
325.6	350	Qtz-Po-phry; highly altered and brittle fractured; brecciated in part; white grading downward to grey; minute quartz-eyes; fracture zones brecciated w black wavy parting infills and some massive pyrite infillings; occasional white fractured quartz veins with fine grained pyrite disseminated along fractures.	126	2	325.6	330.0	4.6		106	.003		
			127	1	330.0	333.4	3.4		27	.001		
		c 339.5-343.3 Qtz veining - wh gr, dissem. pyrite, some coarse cubic pyrite, fractures @ 45°	128	1	339.5	343.3	3.8		65	.002		
		END Hole @ 350'										

ROGERS - TORONTO - 366-1168

# DIAMOND DRILL RECORD

J. L. TINDALE & ASSOCIATES INC.  
907-110 Erskine Ave.  
Toronto, Ontario M4P 1Y4

NAME OF PROPERTY MATONA MINE  
HOLE NO. M88-8 LENGTH 451'  
LOCATION West end of MATONA MINE workings  
LATITUDE 8+15W DEPARTURE 3+15S  
ELEVATION -24.12 A. AZIMUTH 25° DIP -60°  
STARTED DEC. 15, 1988 FINISHED DEC. 16, 1988

FOOTAGE	DIP	AZMUTH	FOOTAGE	DIP	AZMUTH
150'	57° 45'				
450'	55° 30'				

HOLE NO. M88-8 SHEET NO. 1  
REMARKS MAIN ZONE W.  
Elev. taken from shaft collar as 0'.  
LOGGED BY J. L. TINDALE

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
0	71.0	Overburden; sand, boulders.								
71.0	127.0	<u>Trechy-Basalt</u> ; dk. gn; minor black fragments, wavy celestite stringers; bright gn. epidote linings, fractures; massive, brittle, blocky; minor pink celestite, <u>gradational contact to underlying unit.</u> @ 112.0-115.0 Fault Zone(?) wavy, laccolated, w black gn. l.ite, traces of gte, black, minor pyrite.								
127.0	231.4	<u>Mafic Dolomite</u> ; dk gn; massive; minute white flecks throughout; bands of soft black graphite occasionally; pyrite disseminated in places where veining or fracturing evident; minor whitish wh. gn gte-etc veins; pyrite disseminated near bottom interval. Note: very sulphidic 1 ft. of column near end interval. @ 189.0-192.0 Gte filled shear zone, banded wh. gn gte-etc. & pyrite, @ 25°. @ 209.0 6" salmon pink mottled wh. calc. to vein @ 25° @ 227.0-231.4 Gny, altered, bx, volc, pyrite disseminated, end blocky;	129	3	227.0	231.4	3.6		29	.001

41.  
71.4  
157

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

# DIAMOND DRILL RECORD

NAME OF PROPERTY Matona Mine  
HOLE NO. M 88-8 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS		
FROM	TO		NO.	SULPHUR IDES	FOOTAGE FROM TO TOTAL	%	Gr. Ton	Gr. Ton	
		<u>MATONA MINE Zone (10.7')</u>							
231.4	242.1	Banded zone with chilled 6" border, black graphite rich zone, green soap zone, a. 5' chert zone w/ heavy pyrite and andalusite with altered quartz siliceous. Fractured zone w/ gte vein at end. Very Distinctive - certainly a strong zone.							
		@ 231.4 - 234.0 Beige 6" chilled zone at top of interval w/ small blotches of a.g. pyrite followed by graphite, black, soft, partially thin banded, wavy calcite partings, a.g. pyrite, cubin and blotchy	136	3	231.4	234.0	2.6	148	.004
		@ 234.0 - 237.2 Serpentinous and grey dense altered rock (like chilled edge), bright green soap inclusions of black graphite, irregular; trace black chert fragments; wh. gte-calc veins @ 90°; pyrite traces	131	Tr.	234.0	237.2	3.2	167	.005
		@ 237.2 - 238.3, Black chert, fractured over w/ heavy pyrite ± 15%.	132	15	237.2	238.3	1.1	2651	.077
		@ 238.3 - 242.1 Paleogrey highly altered, soap-included calc-silicate rich, graphite along fractures, showing on FW, w/ white banded gte-cubin; pyrite 15% in chert - gte, 3% over-all	133	3	238.3	242.1	3.8	856	.025

ROGES - TORONTO - 366-1168



J.L.TINDALE & ASSOCIATES INC.  
Consulting Geologists

DIAMOND DRILL RECORD

NAME OF PROPERTY MATONA MINE  
HOLE NO. M08-8 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS	
FROM	TO		NO.	SULPHUR IDES	FOOTAGE FROM TO TOTAL	g/t Au	g/t Au	
242.1	370.7	Breccia ign, g, dk, gn; fine to med. grained; porphyritic? w yellow phenocrysts; numerous angular clasts; black to purple chert, fractured; serpentine rich, occasional bands of bright green serpentine; wavy flow textures in places; pyrite as egs, cubes and blitches.						
		248-252 Pilegn serp rich; black green volc, coarse cube pyrite to 5%; white gta carb veins @ 40°	124	2	248.0 252.0 4.0	3587	.104	
		315.0-319.0 Shear zone; grey to gngny to dk gn; black hard graphite, w shing partings; secondary pyrite as masses, replacement and along fractures; wh. sp. calc. veins.	135	1	315.0 319.0 4.0	344	.010	
		319.0-321.0 Shear zone; pilegn serp rich with wh. sp. of bright green chrome dispoite - similar zone in hole # 7; flow structure; pyrite as bit sized masses; some black graphite; sh. vein @ 45°	136	5	319.0 321.0 2.0	1006	.029	
		321.0-327.0 Slightly sheared; pilegn to gn, gta carb vein @ 45°, pyrite < 1%; black chert frags	137	T	321.0 327.0 6.0	82	.002	

MOSES - TORONTO - 366-1168

J.L. TINDALE & ASSOCIATES INC.

Consulting Geologists

DIAMOND DRILL RECORD

NAME OF PROPERTY

7.2  
32.7  
MONTONA MINE

HOLE NO.

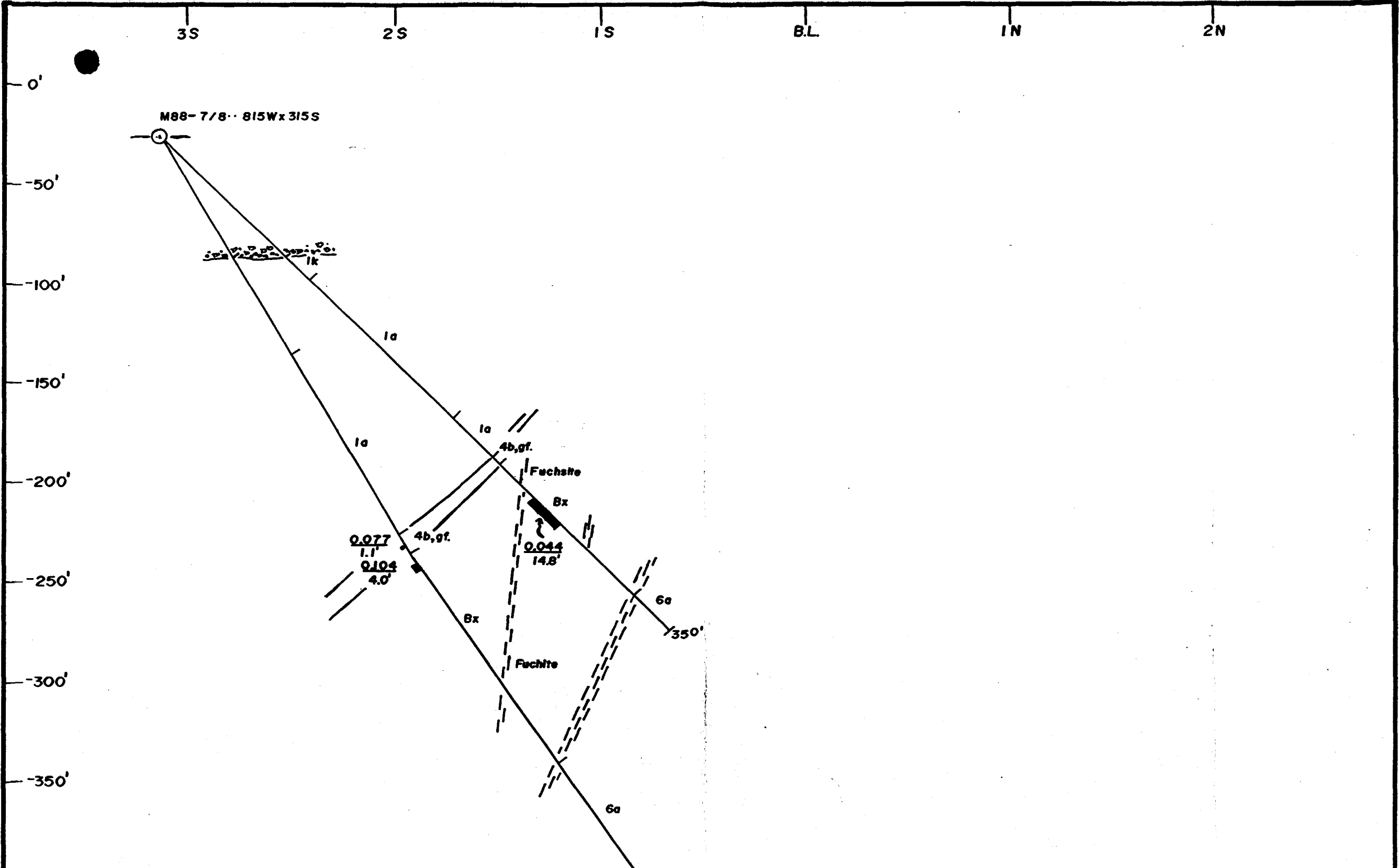
ME9-E

SHEET NO.

4

FOOTAGE		DESCRIPTION	SAMPLE				Au ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		Au	Au			
					FROM	TO		TOTAL	01-100	01-100	
		@ 367.0 - 370.7 Shear zone at lower contact of interval, very calc-sulfide thin bedded; block chert frass; trace graphite on upper planes; pyrite heavy as blattels and minor dissemin. 5%	138	4	367.0	370.7	3.7	129	.004		
370.7	451	Porphyry; lt grey to white grading to dk grey down hole; some br sections w/ hypopyrite, minor shearing; minute gte. frags throughout. Brittle. Freshite traces lining fractures near end of hole. @ 405.0 3" banded wh. gte. comb @ 45° @ 425.0 5" banded block wh. gte. comb @ 45° some bright green freshite replacing fragments and lining fractures;	139	<1	370.7	373.2	2.5	34	.001		
		END Hole 451'									

ROGERS - TORONTO - 366-1168



SECTION-800 W

EGO RESOURCES LIMITED

MATONA PROJECT  
OF  
ASQUITH RESOURCES INC.  
DRILL SECTION  
facing northwest

J.L. TINDALE & ASSOCIATES INC.

# DIAMOND DRILL RECORD

J. L. TINDALE & ASSOCIATES INC.  
907-110 Erskine Ave.  
Toronto, Ontario M4P 1Y4

NAME OF PROPERTY MATONA MINE  
HOLE NO. M88-9 LENGTH 350'  
LOCATION WEST END MAIN MATONA VEIN SYSTEM  
LATITUDE S+90W DEPARTURE 2+705  
ELEVATION -3094 ft. AZIMUTH 25° DIP -45°  
STARTED DEC. 17, 1988 FINISHED Dec. 18, 1988

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
150	48°				
350	44°				

HOLE NO. M88-9 SHEET NO. 1

REMARKS \_\_\_\_\_

LOGGED BY J. L. TINDALE

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	SIZE ID#	FOOTAGE			%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL					
0	79.0	Overburden										
79.0	143.0	Trachyte-Basalt; dkgn; fig; massive; minute black hornblende xls throughout; occasional larger clasts masked by alteration effects; ie shadowy; occasional wh, salmon pink calcite-gtz veins @ 45° to 90°; numerous hairline stee. gtz calc @ random orientations; bright green epidote lined fractures @ low angles and replacing hornblende occasionally; traces pyrite. @ 133 to 143.0 Blacky ground, lots of epidote, leaching calcite evident; traces py.										
143.0	216.4	Mafic-Volcanic; probable phase of above; dkgn; fig; massive; minute gwh flecks throughout; gn. wh. gtz-calc veins, common as well as epidote lined whipp fracture coatings; fillings; veinary veins from 60° to flat; mostly low angle; several masses of black, hvy, massive graphite as well as thin stringers; pyrite as cubic disseminations, more common near end of interval										

225.2  
216.4  
3.8

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

**DIAMOND DRILL RECORD**

NAME OF PROPERTY MATONA MINE  
HOLE NO. M08-9 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	SULPHUR IDES	FOOTAGE		Ag	Ag	Ag	
				FROM	TO	TOTAL	%	OF 10g	OF 10g	
		as rock becomes lighter-gr colour; blebs of cpy near end of interval; very fig, shilled lower contact. @ 201.0 3" purpleish gta-carb vein, hematite dissem. throughout; minor pyrite, @ 30°.								
216.4	225.2	Matona Mine Zone (8.8')								
		* 216.4-219.1 Qtz-Chert veining; wavy vein borders; veined with black graphitic material; graphite seems to contain less carbon than to east; pyrite has as massive bands of fig, wavy fract. filling, dissemination; all vit. fig. some patches of fig pyrite sparse as replacements; Good looking zone.	140	10	216.4	219.1	2.7	74	.002	.044
		219.1-221.1 Graphite zone, very fig., minor whispy gta veining; heavy pyrite throughout ± 10%	141	10	219.1	221.1	2.0	396	.012	
		221.1-223.7 Altered gnd K zone, heavy pyrite, fragments, minor gta-calc., probably serpentine rich; pyrite cubic in patches. 3%	142	3	221.1	223.7	2.6	1033	.030	

# DIAMOND DRILL RECORD

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

NAME OF PROPERTY MATONA MINE  
HOLE NO. 1188-9 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPHUR	FOOTAGE		Au	Au	Au	
					FROM	TO				TOTAL
		225.7-225.2 White and grey gtz veining in black graphitic matrix; has pyrite 20%, appears coarser grained than above	143	20	225.7	225.2	1.5	7754	.226	0.130
225.2	229.7	225.2-229.7 Altered gn v. w. g. w. gtz - carb veins 35°, patches of pyrite replacements. Part of F.W. of Matona Zone.	144	25.2	229.7		4.5	235	.007	
229.7	243.1	Porphyry; gn to gn; med. g. d. feldspar pheno's often replaced by yellow serpentine; upper five feet of interval highly br., altered, some with some graphite or slips; c.g. pyrite cubes red in patches.	145	1	229.7	233.0	3.3	32	.001	
243.1	278.8	Breccia; gn to dk gn, fragments of black to purple fractured chert; also black; g. f. cross altered to serpentine; pyrite high ± 2% as c.g. cubes masses; thin gtz carb veins l. @ 30-45° North Zone distinguished by chert fragments "								

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

**DIAMOND DRILL RECORD**

NAME OF PROPERTY MATONA MINE  
HOLE NO. MBB-9 SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS			
FROM	TO		NO.	% SULPHUR IBCS	FOOTAGE		%	As	Pb
				FROM	TO	TOTAL		0.10m	0.10m
278.8	320.6	Porphyry; grey to yellow to white; altered to serpentine in part; minute gte-eyes; unit appears partly fragmental w clasts of altered rock floating in host; some white-earb veinlets w pyrite (cubic) in wall rock; pyrite replacing clasts near end interval							
320.6	337.7	Chert rich zone; black; purple-grey chert, fractured, in a grey to grey matrix; highly altered host rock; serpentine 14%; black flecks throughout; pyrite or fig masses and or eg cubic disseminations; massive variety is replacing frags of wall rock. Pyrite 5%							
	320.6-327.4	Chert 80%, pyrite 5%	146	5	320.6	327.4	6.2	88	.003
337.7	340.9	Porphyry-gngy, sheared, serpentinized, fragmental in part, minor pyrite replacing fragments							
340.9	344.0	Gray hite; or Iron Fm; meta-metamorphic; massive, aug; clasts of pyrite throughout, fractured, wavy partings	147	2	340.9	344.0	3.1	121	.004

MOSES - TORONTO - 366-1168





# DIAMOND DRILL RECORD

J. L. TINDALE & ASSOCIATES INC.  
907-110 Erskine Ave.  
Toronto, Ontario M4P 1Y4

NAME OF PROPERTY MATONA MINE  
HOLE NO. M88-10 LENGTH 446  
LOCATION WEST END MATONA MINE ZONE  
LATITUDE 8+90W DEPARTURE 2+70S  
ELEVATION -30.94 ft. AZIMUTH 25° DIP -60  
STARTED DEC. 18, 1988 FINISHED DEC. 19, 1988

FOOTAGE	DIP	AZMUTH	FOOTAGE	DIP	AZMUTH
250	55°				
446	55°				

HOLE NO. M88-10 SHEET NO. 1

REMARKS W. MATONA MAIN ZONE

LOGGED BY J. L. TINDALE

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	SULPH IDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
0-	72	Over-burden								
72.0	177.0	<u>Trachy-Basalt</u> : DKgn; v. fig. i. flecks of black hornblende xl throughout; gte-calc veins, whips, hairlike throughout often w. bright green epidote lining fractures; altering adjacent rock; some veins vuggy; pyrite disse. rare; occasional sharp gte-calc veins up to 1' @ 50° to C.A.; basal portion very blocky; fractured @ 152-155.7 Grayn trach-bas.; bleached (?) by fault planes; minor calc. gte w. cubic pyrite; some black greysite along shear planes; @ 171-177.0 Broken cone, huge epidote alt., 1" banded vuggy, gte-calc vein at end of interval @ 45°	148	41	152.0	155.7	3.7	139	.004	
177.0	234.0	<u>Mafic Volcanic</u> i. dkgn w. minor wh. flecks; massive, becomes grey coloured over last 6' of interval ending in chilled-like contact @ 90°; occasional banded gte-calc veins, sharpest @ 90° w. salmon pink calc, rare bands of black grey lite (14).	149	41	171.0	177.0	6.0	28	.001	

LANGRIGLS - TORONTO - 366-1166

47.5  
3.5

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

# DIAMOND DRILL RECORD

NAME OF PROPERTY Matona Mine  
HOLE NO. BB-10 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS			
FROM	TO		NO.	SULPHUR IDES	FOOTAGE		%	A <sub>u</sub>	
					FROM	TO		TOTAL	GT. TON
234.0	240.7	<u>Matona Mine Zone (6.7')</u> Mixture of black, gy white gte - chert; br in N.W. zone becoming banded then br on F.W.; mixed w black graphitic material and magnetic black magnetite; minus reddish streaks (chertlike) of oxidized I.F. pyrite. hyp throughout as fig. streaks, coarse cubic masses, partial replacement of chert; bedding is @ 80° to C.A.; sharp contacts.							
		@ 234.0 - 237.5 Br chert, gte; mixture graph. Fe. Fm; 60% silica; pyrite 5%	150	5	234.0	237.5	3.5	400	.012
		@ 237.5 - 240.7 Banded gy white gte turns to br over last 1.0's some Fe bands, gn yellow ss on surface throughout, pyrite @ 5%	151	5	237.5	240.7	3.2	143	.004
240.7	250.0	<u>Transitional Zone</u> dk gn to black; chertite rich; graphitic slips along fractures; occasional white banded gte - carb veins; pyrite cubic and octahedron phenocrysts; and finely disseminated near fractures.	152	2	240.7	244.2	3.5	150	.004
		@ 244.2 - 248.7 Qtz - carb vein; hyp. fig. pyrite along black vein; graphitic banded pyrite, vein @ 60°	153	2	244.2	248.7	4.5	300	.009
		@ 248.7 - 250.0 Qtz - carb vein; hyp. fig. pyrite along black vein; graphitic banded pyrite, vein @ 60°	154	3	248.7	250.0	1.3	844	.028

NOTES - TORONTO - 356-1168

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

**DIAMOND DRILL RECORD**

NAME OF PROPERTY MATONA MINE  
HOLE NO. MB9-10 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	1 SULPH IDES	FOOTAGE FROM TO TOTAL	%	Au ppb	Ag 01 TON	Cu 01 TON	
250.0	260.0	Porphyry; dkgn. to dkgy. coarse plenos often replaced by serpentine (yellowish), well shaled 45° showing wispy serp. volucers; pyrite content variable from tr. to 10% near fractures; occurs as blotchy masses and fr. dissem., usually cubic. e. 250.0 - 254.5 Altered dkgn porphyry w abundant show's evident and lots of csg. pyrite (2%)	155	2	250.0	254.5	4.5	47	.001	
260.0	322.0	- Grades downward into partial Bx - act as noticeable as prior - chert pebbles - clasts occasionally throughout, chert is purplish color; pyrite csg. massive blotches; cubic scattered gn. w. gtz veins. e 296.0 2" gyzhgn gtz - calc vein @ 45° e 307.0 1/2" wh. gtz w csg. cubic pyrite @ 45°								
322.0	357	Breccia; gy to wh to gn; chaotic jumble of coarse clasts and smaller clasts w carbonates rich show plenos; highly altered to carbonate; serpentine facies of porphyry - miss'd chert near porphyry; coarse patches of conglomerate; pyrite; rare chert frags.								

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

DIAMOND DRILL RECORD

NAME OF PROPERTY MATONA MINE  
HOLE NO. 1189-10 SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPH % CS	FOOTAGE		%	Ag	02 TON	02 TON
					FROM	TO	TOTAL			
357.0	386.6	Porphyry; dk gray, w white feldspar phenos; some gt-carb. veinlets; patches of massive replacement pyrite; bx in part w large black fringes common; possible 3% pyrite. occasional black graphite bands near end of interval.								
386.6	446	Porphyry; white grading down ward to gray to dk gray; highly altered; highly sheared @ 70°; large inclusions of bands of dk blue to dk purple chert, fractured w massive secondary pyrite inclusions; white to clear gt-carb. (more common down hole); less alteration down hole; less pyrite down hole. Top of interval is severely altered; traces of bright green fuchsite as replacement and lining fractures								
		@ 392.7-396 white, severely sheared, masses of black chert massive pyrite; w waffle banding; 1" w gt-carb vein @ 60°; 10% pyrite	156	10	392.7	396.0	3.3	139	.004	
		@ 396.0-398.0 - as above w black gt-carb, 10% pyrite	157	10	396.0	398.0	2.0	36	.001	
		@ 398.0-402.0 white chert porphyry w black inclusions; manga. greenish chert; massive pyrite; 5%	158	5	398.0	402.0	4.0	68	.002	

ROGERS - TORONTO - 365-1188



3S

2S

1S

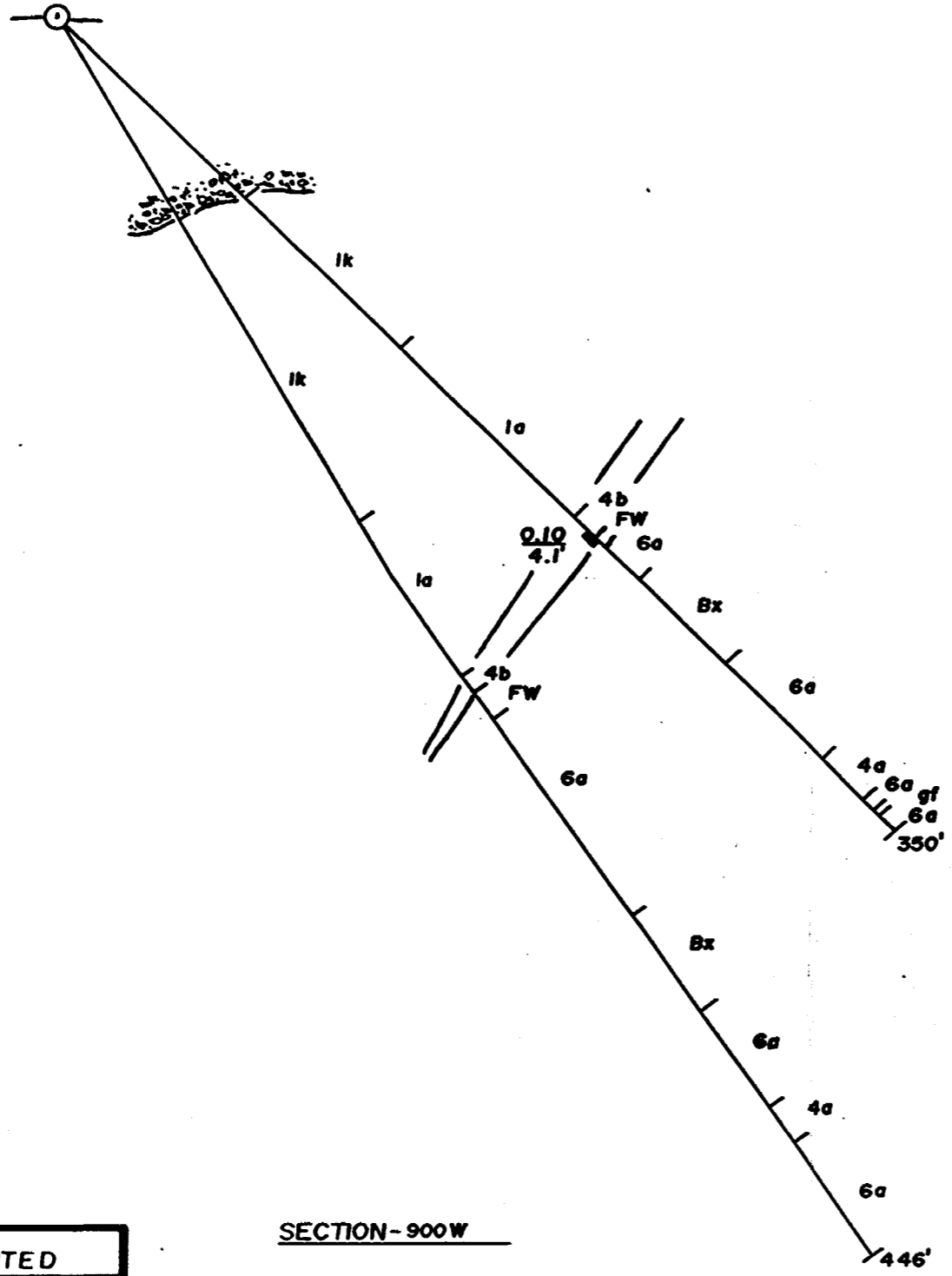
B.L.

1N

2N

0'  
-50'  
-100'  
-150'  
-200'  
-250'  
-300'  
-350'

M88-9/10-890W x 270S



SECTION-900W

EGO RESOURCES LIMITED

MATONA PROJECT  
OF  
ASQUITH RESOURCES INC.  
DRILL SECTION  
facing northwest

J.L. TINDALE & ASSOCIATES INC.

# DIAMOND DRILL RECORD

J. L. TINDALE & ASSOCIATES INC.  
907-110 Erskine Ave.  
Toronto, Ontario M4P 1Y4

NAME OF PROPERTY MATONA MINE  
HOLE NO. M88-11 LENGTH 350'  
LOCATION WEST EXT. OF MATONA MINE ZONE  
LATITUDE 9+30W DEPARTURE 2+255  
ELEVATION -33.48 ft. AZIMUTH 25° DIP -45°  
STARTED Dec. 20/88 FINISHED Dec. 20/89

FOOTAGE	DIP	AZMUTH	FOOTAGE	DIP	AZMUTH
350	40°				

HOLE NO. M88-11 SHEET NO. 1  
REMARKS MATONA ZONE W.

LOGGED BY J. L. TINDALE

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	SIL PH IDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
0	95	Over-burden								
95.0	152.0	Trachy-Basalt; dk. gn, f. g., brittle, bright green olivine lining fractures; black hornblende phenos; occasional gte-carb veins @ 60°; whisp white gte-carb epidote; trace pyrite, usually in veins								
152.0	170.0	Pink, to purplish to gg. gn <u>trachyte dyke</u> ; highly shattered and leached; fault fillings(?) idocrate angular fragments; almost like an agglomerate in part; more trace pyrite; grades downward to trachy-basalt as above over last 8 feet.								
170.0	224.6	Trachy-basalt; dk. gn to purplish; wh. g.; hard stuc of calcite-gte; disseminate pyrite nug. in place; Thin bands of black I.F. 185-192, sh magnetic; occasional 1/8" wh. calc-gte @ 70°.								

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

DIAMOND DRILL RECORD

NAME OF PROPERTY MATONA MINE  
HOLE NO. M88-11 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS			
FROM	TO		NO.	% SULPHUR	FOOTAGE				
				FROM	TO	TOTAL		Gr. Ton	Gr. Ton
224.6	239.0	<u>MATONA ZONE (14.4')</u>							
		Chilled edge pale green; Two zones w band of dk green chlorite rich volcanic between w hy disseminated pyrite; thin Fe-rich black bands in upper zone; lower zone chert rich w gtz veining; Zone similar to previous holes in zone.							
		224.6-228.0 Banded silica-gtz ign. wh; bluish gray; chert; w bands of black magnetic Fe traces graphite & Fe pyrite hy; 10% j bands @ 80°.	160	10	224.6	228.0	3.4	89	.003
		228.0-234.3 Dk. ga. v. chlonite rich, mag. structural pyrite; w disseminated hy cubic pyrite; minor hair like gtz-like structures;	161	3	228.0	231.7	3.7	49	.001
		234.3-239.0 Bluish white, clear, white chert and gtz mixture w minor bands of dk green v. as above; Chert hy fractured; pyrite disseminated; fracture and ss masses patches; Pyrite 10%; chlonite along fracture;	162	3	231.7	234.3	2.6	122	.004
			163	10	234.3	237.3	3.0	32	.001
			164	10	237.3	239.0	1.7	57	.002
239.0	252.7	Transition Zone in F.W, dk gn. chlonite rich, very Fe pyrite & gtz veining, graphite; also chert frags; @ 45°;							

ROGERS - TORONTO - 366-1168



J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

**DIAMOND DRILL RECORD**

NAME OF PROPERTY MASON'S MINE  
HOLE NO. M08-11 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHUR	FOOTAGE		%	%	Gr. Ton	Gr. Ton	
			INDEX	FROM	TO	TOTAL					
		C243.5'-245' DK gneiss w. gte veins and 6" chert clast(?) veins at end of interval; 2% pyrite.	165	2	242.5'	245.0'	1.5'		13	.001	
252.7	263.0	Porphyry; dk gn; chlorite rich; sheared w. pale gn shear planes; random gte veinlets @ 30-45°; pyrite disseminated throughout; some massive pyrite replacement; gradational to next unit down hole.									
263.0	309.0	Porphyry; pale gy to white; agglomeratic or breccia; clasts and fragments and blocks are mainly porphyry; gte-vein veins offsetted to coarse gte as replacement of clasts successively; zone is carbonated with wispy green colored spots throughout, metallic luster altered; sharp lower contact.									
309.0	337.6	Chert fragmental; 30% black to purplish black chert fragments, highly fractured; in pale gn, highly altered; carbonated, porphyry matrix in v.f.s chlorite; very heavy pyrite as massive sub-irregular replacement; minor disseminated; could be fractured F.F.									

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

**DIAMOND DRILL RECORD**

NAME OF PROPERTY Matons Mine  
HOLE NO. M39-11 SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE				Au ASSAYS			
FROM	TO		NO.	% SULPHUR	FOOTAGE		Au	Au		
					FROM	TO		TOTAL	01.70u	01.10u
		c 324.0 - 328.0 massive fractured chert; 5% pyrite as botryoidal replacement	146	5	324.0	328.0	4.0	716	.021	
		c 328.0 - 331.0 Clastic chert w/ wavy shered & thin carb rich wall rock; pyrite massive and huy overcoat clasts and clay shaly planes 15%	147	5	328.0	331.0	3.0	19	.001	
		c 331.0 - 333.6 Clasts of chert as above	148	3	331.0	333.6	2.6	11	.001	
		c 333.6 - 337.2 Clasts of chert w/ huy pyrite replacement ± 10%	149	10	333.6	337.2	3.6	49	.001	
337.6	350	Porphyry; dk gray igneous white overcoat 1'; shered; few banding to shistosity; some alteration; massive pyrite patches. Intensely altered.  End Hole @ 350'								
		Note: Rods stuck on last run. Dynamite to cut off core barrel								

# DIAMOND DRILL RECORD

J. L. TINDALE & ASSOCIATES INC.  
907-110 Erskine Ave.  
Toronto, Ontario M4P 1Y4

NAME OF PROPERTY MATONA MINE  
HOLE NO. M 88-12 LENGTH 450'  
LOCATION WEST EXP. MATONA MAIN ZONE  
LATITUDE 9+30W DEPARTURE 2+25S  
ELEVATION -33.48 ft AZIMUTH 25° DIP 60°  
STARTED DEC. 21, 1988 FINISHED DEC. 22, 1988

FOOTAGE	DIP	AZMUTH	FOOTAGE	DIP	AZMUTH
150'	55°				
450'	57°				

HOLE NO. M 88-12 SHEET NO. 1

REMARKS WEST EXP. MATONA  
MAIN ZONE

LOGGED BY J. L. TINDALE

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	SIL PH IDES	FOOTAGE		%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL				
0	84	Overburden.									
84	145	Trachy basalt; dk gr; fig; massive; brittle; bright green epidote lined fracture w hairline calcite streak; minute black hornblende phenos throughout; thin gr-cs-b veinlets throughout @ various angles to C.A.; minor shearing w accompanying pyrite cubes disseminated; core is brittle blocky.									
145	234.0	Trachyte Dyke; reddish to purplish brown; f. toned. grd; white calc. flakes throughout; minor br. gr. epidote on fracture plane; irregular gr-cs-b veinlets; slightly agglomerative w inclusions of chert + trachybasalt; chlorite replacing some inclusions. shg fractures; more to py disseminated. @ 87.5 1" gr-c vein, leached, pink white, @ 30°. @ 214.0 - 219 Sheared Zone; bright green epidote sup; leached gr-c veinlets; tr. py.									

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

DIAMOND DRILL RECORD

NAME OF PROPERTY MATONA MINE  
HOLE NO. MBB-12 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHUR IDES	FOOTAGE			Au		G/TON	G/TON
					FROM	TO	TOTAL	%	G/TON		
241.0	247.7	Mat. Volc. (probably altered Trachyte); gneiss; chlorite rich greenish grey colour; probable alteration matrix Matona Zone; hornblende gneiss, vesiculate; chilled, v. fine, bleached 6" zone @ lower contact - contact @ 80°. Increased pyrite downward as desc. - d. blebs; some bands of blebs. I.F. slightly magnetic; @ 80°									
247.7	251.0	Matona Zone (3.8')									
		Chert and sulphide rich zone, brecciated, inclusions and bands of fractured white to bluish white chert; minor magnetic black IF mixed in chert and in bands @ 80°									
		Approx 30% pyrite, etc. coarse replacement, etc., etc. in of fractures;									
		@ 247.7 - 249.0 Bx w 30% sulph. de, chert, v. IF	170	30	247.7	249.0	1.8	84	.024		
		@ 249.0 - 251.0 Bx bl. wh. g. chert, 10% py absg br. frage.	171	10	249.0	251.0	2.0	25	.001		
251.0	259.0	Transition Zone; dk greyish, partially gneiss bands, mainly dk. gn. v. etc; pyrite, v. fine, and coarse, mostly along irregular fractures; chlorite rich	172	1	251.0	253.0	4.0	22	.001		
			173	1	255.0	259.0	4.0	25	.001		

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

DIAMOND DRILL RECORD

NAME OF PROPERTY MATAMORA M.S.  
HOLE NO. M 88-12 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH.	FOOTAGE			%	%	GR. TON	OF 100
			100%	FROM	TO	TOTAL					
259.0	271.0	Porphyry; bleached & altered; grey brown; w inclusions and fragments throughout; w salmon pink calcite veinlets; disseminated pyrite throughout.									
271.0	283.0	I.F.; cherty rich, Fe black, weakly magnetic in very discontinuous bands and whips; zone is dk gn to black i.e. g; pyrite 3-4% as inclusions, dissemin. and cubes along fractures; occasional dk gn gn. veins cen									
283.0	342.0	Porphyry; dk gn gran. to gn. gn; wh. feldspar angular phos and occasional gte-eyes; holed fragmental w frags of porphyry; pyrite dis. throughout and occasionally replace fross; wh. gn gte-calc veins @ 30° predominant; w very yellowish serp. cl. veins and veins;									
342.0	356.0	Highly altered yellowish gn. wh. porphyry; yellowish serp or very replacement and along fractures; some gte veins w calcite @ 90°, white vein, cubic.									

J.L.TINDALE & ASSOCIATES INC.  
Consulting Geologists

DIAMOND DRILL RECORD

NAME OF PROPERTY MATONA MINES  
HOLE NO. M88-12 SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS			
FROM	TO		NO.	S SMLPR INCS	FOOTAGE		Au ppb	Au	
					FROM	TO		TOTAL	01-100
356.0	388.0	Dkgy to dkgn Pp-phg is agglomeratic at base but with appearance of chert pebbles and rooted inc-core in pyrite contact; occasional clear and white gte veins; pyrite in massive replacement bands, partial replacement of frags and dis. throughout.							
388.0	408.6	Chert rich Horizon; possible IF; black to dkgray to wavy banded white and bluegray; highly altered zone with hyp pyrite throughout; appears to have been impacted by po-phg; sampled as follows.							
		388.0-389.7 Dkgy to black to gray; many alt. & chert clasts, pyrite replacements	174	2	388.0	389.7	1.7	76	.002
		389.7-391.6 Pp-phg, calc to dkgn; pyrite dis cubes	175	1	389.7	391.6	1.9	21	.001
		391.6-396.4 Bx chert, black, pyrite to 30% often as wavy bands	176	20	391.6	396.4	4.8	155	.005
		396.4-400.8 Creamy whgn, bands w/ black chert, pyrite 10%	177	10	396.4	400.8	4.4	89	.003
		400.8-405.0 Grgy, f.g, matrix w/ blue black chert frags, bks w/ 5% pyrite	178	5	400.8	405.0	4.2	103	.003
		405.0-408.6 Black and gray matrix w/ cng. massive pyrite replacement, obtu l. min. chert	179	10	405.0	408.6	3.6	123	.004

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

DIAMOND DRILL RECORD

NAME OF PROPERTY MATONA MINE  
HOLE NO. M88-12 SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS			
FROM	TO		NO.	% SULPHUR	FOOTAGE				
			IBES	FROM	TO	TOTAL	Gr. Ton	Gr. Ton	
408.6	418.6	Pale yellow gy porphyry; feldspar igne phenos (glaucoes), serpentinized; fragmental; pyrite or small massive replacement blobs							
418.6	433.0	Creamy gn. wh to greenish; intensely altered; bands and blobs of massive botryoidal pyrite (non-cristal); flow structures; fringes of blue black chert (mass); zone ends w 2" wh. gte vein @ 50° @ 418.6-422.5 wh. creamy, 40% massive py (non-cristal?) @ 422.5-427.0 as chert 25% pyrite @ 427.0-431.0 " " 10% " @ 431.0-433.0 Qtz veins 1" to 2" @ 45° w 5% pyrite, show	180	40	418.6	422.5	3.9	51	.001
			181	35	422.5	427.0	4.5	40	.001
			182	10	427.0	431.0	4.0	160	.005
			183	5	431.0	433.0	2.0	179	.005
443.0	442.6	Porphyry igne gy; serpentinized; feldspar phenos as altered to soap; minor pyrite; fresh massive show in effect of soap altered							
442.6	450	Agglomeratic porphyry; rounded large pebble like fringe of porphyry in porphyritic ground mass; rare blue chert pebbles; occasional blue veins, irregular pyrite traces or cubic disseminations along veins. END HOLE @ 450.							

ROGEE - TORONTO - 368-1168

3S

2S

1S

B.L.

1N

2N

0'

-50'

-100'

-150'

-200'

-250'

-300'

-350'

M88-11/12-930W x 225S



Ik

Ik

Ik

Ik

4b

FW

6a

1a

4b

FW

6a

6a, 4b

4a

6a

350'

6a

6a

6a

4a

6a

6a

6

6a

450'

SECTION-950W

EGO RESOURCES LIMITED

MATONA PROJECT  
OF  
ASQUITH RESOURCES INC.  
DRILL SECTION  
facing northwest

J.L. TINDALE & ASSOCIATES INC.



# DIAMOND DRILL RECORD

J. L. TINDALE & ASSOCIATES INC.  
907-110 Erskine Ave.  
Toronto, Ontario M4P 1Y4

NAME OF PROPERTY MATONA MINE  
HOLE NO. 12188-13 LENGTH 340'  
LOCATION WEST MATONA MAIN VEIN EXT.  
LATITUDE 10+78 W DEPARTURE 14805  
ELEVATION -3040 ft AZIMUTH 25° DIP 45°  
STARTED JAN 4/89 FINISHED JAN 5, 1989

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
150	42				
340	42				

HOLE NO. 12188-13 SHEET NO. 1  
REMARKS W. MAIN MATONA VEIN

LOGGED BY J. L. TINDALE

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS			
FROM	TO		NO.	SIZES	FOOTAGE FROM TO TOTAL	%	%	OZ/TON	OZ/TON
0	101.0	Over burden.							
101.0	220.0	Trachyte; dkgn grading to purplish ggn; hornblende phenos; wavy thin hornlike gte-cerb st-c; bright green olivene common on fract. phenos; minor gte veins @ 90°; rock is v.f.g., hard, brittle; blocky; badly fractured.  @ 166.0-177.0 Pk. red trachyte; graphitic; a trend and highly fractured, healed fault zone.  @ 206-211 Fault zone; gouge; hyp epidote alt., gy wh. cherty zone within zone; puv-ene recovery; badly broken.							
220.0	245.0	Mafic Volcanic; v.f.g.; chlorite rich; dkgn; wh. gte veinlets; narrow irregular bands of black J.F.; epidote alteration common along fractures; pyrite cubes, disseminated along veins.  @ 224 3" pk. wh. gte calc vein @ 30°.							

LANGRIDGES - TORONTO - 366-1166

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

**DIAMOND DRILL RECORD**

NAME OF PROPERTY MARONA MINE  
HOLE NO. M88-13 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS			
FROM	TO		NO.	% SULPHUR INDEX	FOOTAGE		%	Au	
					FROM	TO		TOTAL	61.764
245.8	258.3	<u>MARONA MINE Zone (12.5')</u>							
		<u>Chert rich zone in magnetic black lens, I.F.;</u>							
		<u>bx w second event of gte-work veining as wispy</u>							
		<u>veinlets; If is poorly banded but suggestion in thin;</u>							
		<u>Rounded chert pebbles in part; pyrite throughout</u>							
		<u>mostly as coarse replacements of marcasite.</u>							
		<u>@ 245.8 - 247.4 Bl. chert, magnet w IF @ 5% pyrite</u>	184	5	245.8	247.4	1.8	58	.002
		<u>@ 247.4 - 253.0 Gychert, bl. If; bands of IF, gte. veinlets, py 5</u>	185	5	247.4	253.0	5.6	660	.019
		<u>@ 253.0 - 258.3 Carb rich zone is masses of repl. py; also</u>	186	6	253.0	258.3	5.3	106	.003
		<u>wh: blue gy chert; pyrite 6%</u>							
258.3	287.0	<u>Trachyte; highly altered to gr. gy, yellowish, serpentin.</u>							
		<u>rich phase next to Marona Zone grading downward</u>							
		<u>to purple, lil green to buff red to reddish green</u>							
		<u>@ contact; gte. pyrite near and w minute white</u>							
		<u>felds, py; and hornblende crystals; well defined</u>							
		<u>gte-carb veins common; specular Fe along vein</u>							
		<u>borders; pyrite traces along fractures and disseminated</u>							
		<u>in highly altered upper section</u>							



# DIAMOND DRILL RECORD

J. L. TINDALE & ASSOCIATES INC.  
907-110 Erskine Ave.  
Toronto, Ontario M4P 1Y8

NAME OF PROPERTY MATONA MINE  
HOLE NO. M 88-14 LENGTH 449'  
LOCATION WEST EXTN. OF MATONA MAIN ZONE  
LATITUDE 10° 70' W DEPARTURE 1 + 80 S  
ELEVATION -3040 ft. AZIMUTH 25° DIP -60°  
STARTED JAN. 5 1989 FINISHED JAN. 6 1989

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
150	60°				
449	60°				

HOLE NO. 88-14 SHEET NO. 1  
REMARKS W. MAIN MATONA

LOGGED BY J.L. TINDALE

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	SUPT. INDEX	FOOTAGE		%	Au		
					FROM	TO		TOTAL	% Au	OZ/TON
0	96	Overburden								
96	206.0	Trachyte; dk green; fig. hornblende phenocrysts; well fractured w bright green epidote along fract. v. common wispy g.c. veinlets of random orientation; traces fine pyrite along fractures; occasional inclusions replaced by chlorite and garnets; grades to purplish east from 177-206. @ 120.5 5" wh. g.c. calcite vein @ 70°.								
206.0	271.0	Mafic Volcanic; gnts dk gn; v. fig; black flow veins and irregular masses of slightly magnetic IF; blasty and fractured w epidote common along fracture planes; g.c. veinlets random but many @ steep angle; several veins leached wussy; core badly broken 235-247 (fault?); red Fe stain common on fracture planes; pyrite heavy in places associated w IF. bands or g.c. veinlets; @ 234-236 Black magnetic IF swirl bands w wh. gn g.c. veins and py @ 80° NOTE: some bleaching; alteration (epidote) 10' from lower contact	188	3	234.0	276.0	2.0	25B	.008	

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

**DIAMOND DRILL RECORD**

NAME OF PROPERTY Marona Mine  
HOLE NO. BB-14 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHUR	FOOTAGE	%	Au		G/TON	G/TON
							FROM	TO		
271.0	274.2	Marona Mine Zone (3.2')								
		Chert (mainly) w mixed band of black magnetic IF w chert frags, wavy wh. gte str, band of chlorite rich host rock; basal 2' is pure gray blue, fractured, chert w pyrite disseminate and replacing frags on L. lens fractures; pyrite ± 3%; minor secondary gte veining; sharp contacts								
		c 271.0 - 272.4 G. chert pebbles/frags. w black IF, wh. pyrite, 3% pyrite, band (6") chlorite-rich	189	3	271.0	272.4	1.4	101	.003	
		c 272.4 - 274.2 Blue-gray chert, fractured, py 3%	190	3	272.4	274.2	1.8	49	.001	
274.2	288.5	Transition Zone; probably altered porphyry; grades from pale ggn to black to gray; c. 3% pyrite or blebs, stringers, dissemination; main wh. gte calc veinlets.								
		c 274.2 - 277.2 ggn, dense, altered, w gte vein accompanied by heavy pyrite, @ 45°	191	2	274.2	277.2	3.0	1024	.03	
		c 277.2 - 281.0 Porphyry, ggn, porous, mineralized and not highly altered; disseminated cubic pyrite (1%)	192	1	277.2	281.0	3.8	199	.006	
		c 281.0 - 285.6 Black to dk ggn, pyrite disseminated cubic 1%	193	1	281.0	285.6	4.6	54	.002	
		c 285.6 - 288.5 Similar to above, fracture zone, mainly 1% ggn	194	1	285.6	288.5	2.9	97	.003	

MODES - TORONTO - 366-1168

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

DIAMOND DRILL RECORD

NAME OF PROPERTY MATONA MINE  
HOLE NO. M88-14 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS	
FROM	TO		NO.	DEPTH IN FEET	FOOTAGE FROM TO TOTAL	Gr	Gr
208.5	328.0	Porphyry i gng to reddish gng i med. gnd. j white feldspar phenos; wh gr-calc veins @ 70°, pyrite disc. ; occasional blebs, mainly cub. i lower contact sharp @ 70°.					
328.0	365	Trachyte agglomerate i gng grad. to micaceous; angular fragments throughout of black, magnetic IF; occasional white gr-calc veins; some w red Fe stain streaks;					
365.0	408.8	Trachyte; purple, grad. to gng, f.g. dense; some gr-calc veins mostly @ 60°; more trace pyrite; fresh rock; br. Hlx; unaltered; few fragments only real calc.					
408.8	449.0	Trachyte agglomerate or fragmental; similar to above but w angular black frags of slaty IF throughout.					
		@ 438-443.6 Band of gngy Trachyte, possible healed fault zone; sharp gr-calc veins 2" ± @ 70° with disc. f.g. pyrite; cut-off of shear @ 442 w bright green fuchsite traces along shear planes; pyrite coarse cub. around shear.	195	<1	440.0 443.6 3.6'	311	.009
		End Hole @ 449'					

RIGGS - TORONTO - 366-1168

3S

2S

1S

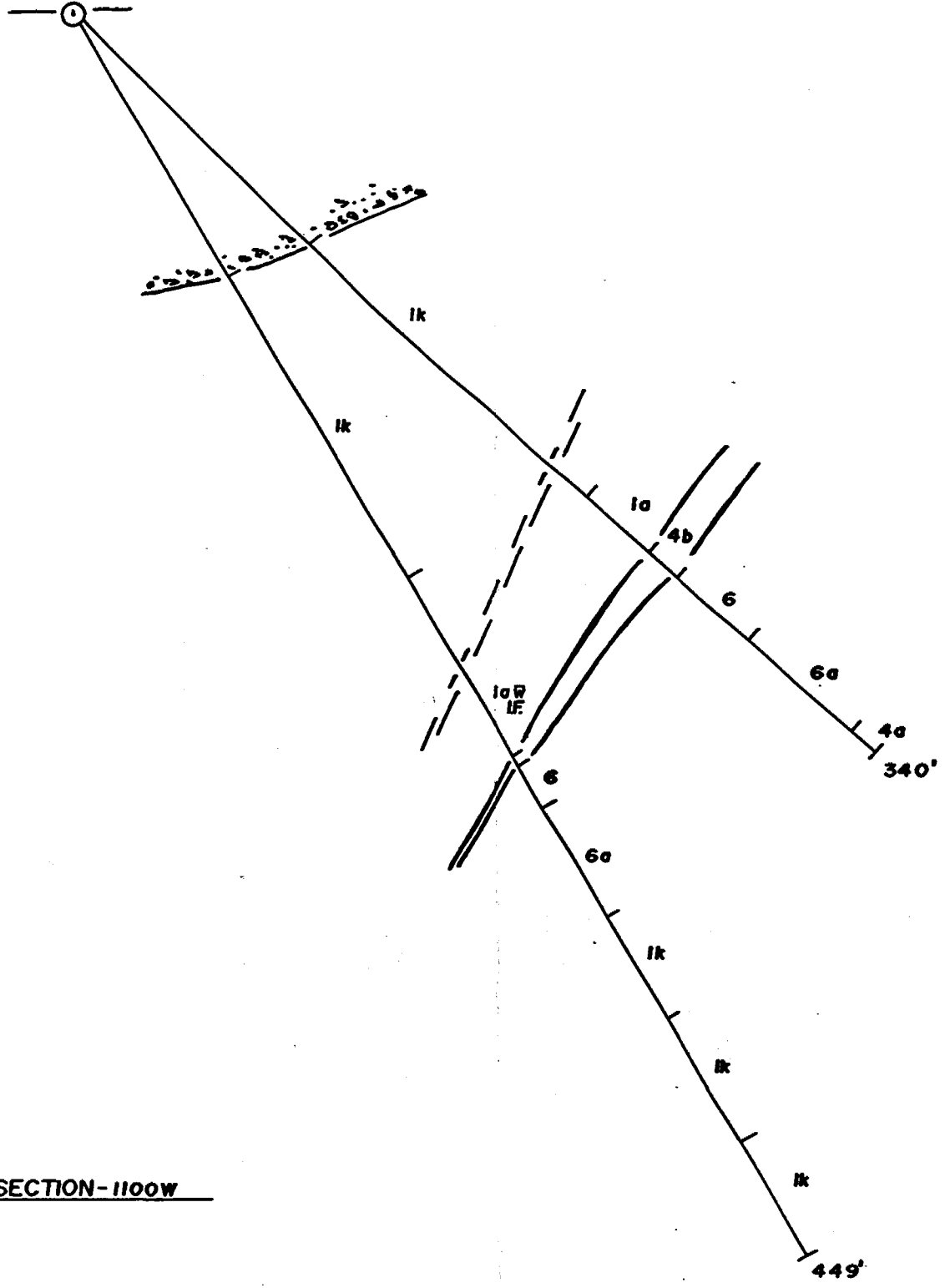
B.L.

1N

2N

0'  
-50'  
-100'  
-150'  
-200'  
-250'  
-300'  
-350'

M88-13/14-1070Wx180S



SECTION-1100W

EGO RESOURCES LIMITED

MATONA PROJECT  
OF  
ASQUITH RESOURCES INC.  
DRILL SECTION  
facing northwest

J.L. TINDALE & ASSOCIATES INC.

# DIAMOND DRILL RECORD

J. L. TINDALE & ASSOCIATES INC.  
 907-110 Erskine Ave.  
 Toronto, Ontario M4P 1Y4

NAME OF PROPERTY MATONA MINES  
 HOLE NO. M08-15 LENGTH 147'  
 LOCATION WESTERN MAIN ZONE  
 LATITUDE 12+00W DEPARTURE 14 15'S  
 ELEVATION -32.78 A. AZIMUTH 25° DIP 45°  
 STARTED JAN 5/89 FINISHED JAN 5/89

FOOTAGE	DIP	AZMUTH	FOOTAGE	DIP	AZMUTH

HOLE NO. M08-15 SHEET NO. 1  
 REMARKS N. MAIN ZONE

LOGGED BY J. L. TINDALE

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL				
0	117	Overburden									
117	147	Reddish Trachyte; hornblende phenos; med. if si massive blocky. Lost hole - Casing broke off. Moved to Hole # 16 - 60° on same setup.  End Hls @ 147'									



# DIAMOND DRILL RECORD

J. L. TINDALE & ASSOCIATES INC.  
907-110 Erskine Ave.  
Toronto, Ontario M4P 1Y4

NAME OF PROPERTY MATONA MINE PROPERTY  
HOLE NO. M08-16 LENGTH 450'  
LOCATION WEST END OF MATONA MAIN VEIN  
LATITUDE 12+00W DEPARTURE 1+15S  
ELEVATION -32.78 ft. AZIMUTH 25° DIP -60°  
STARTED JAN 6/89 FINISHED JAN 8/89

FOOTAGE	DIP	AZMUTH	FOOTAGE	DIP	AZMUTH
150'	55°				
450'	53				

HOLE NO. M08-16 SHEET NO. 1  
REMARKS WEST MAIN VEIN

LOGGED BY J. L. TINDALE

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% S&P IDES	FOOTAGE		%	% Pb	OZ/TON	OZ/TON
				FROM	TO	TOTAL				
0	117	Overburden.								
117.0	212.0	Trachyte; purplish cast, gr. gy, hornblende phenos and fragments; wispy g-talc veinlets throughout; serp. and bright green epidote along fractures; f.g.; occasional white g-talc vein @ 45-60°; brittle & blocky. Becomes dk gn near end of section; @ 211-212.0 Brick red porphyry dyke, e.g., br, sh, Herd.								
212.0	272.2	Mafic Volcanic (phase of trachyte); f.g.; dk gn to black; wispy wh g-talc veinlets; some reactive of staining in red, yellow banding caused by Fe content; serpentine in places accompanying br in host rock; marked increase in pyrite as wispy, disseminated accompanying black Fe (magnetic) bands and str.; pyrite blebs replace phenocrysts; highly altered in H.W. of Matona zone as noted below; @ 272.0-275.5 f.g. sheet with wh g-talc veins with carb @ 20°; pyrite within structure, blebs, mostly along vein edges; traces chalcocite in g-talc vein.	176	1	272.0	275.5	3.5			.004

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

**DIAMOND DRILL RECORD**

NAME OF PROPERTY MARONA MINE  
HOLE NO. M88-16 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	RESULTS	FOOTAGE					
			INCHES	FROM	TO	TOTAL	% Pb	Gr. Ton	Gr. Ton	
		@ 275.5 - 277.6 as above w. mass of wh. gtz. co. b. vein in over 1' from 275-276 @ 90°; host br. pyrite fig in vein, trace Ag	197	1	275.5	277.6	2.1		.004	
		@ 277.6 - 283.5 Host rock, serpyllitic and shaly v. fig. minor black br. Frags; pyrite throughout as cubic dissem.	198	1	277.6	283.5	4.9		.001	
		@ 283.5 - 286.0 As above w. v. fig. section, looks like chert contact or dyke	199	1	283.5	286.0	2.5		.001	
		@ 286.0 - 291.2 v. fig. shaly banded br. dk. gtz. to black; pyrite heavy (5%) as disseminated cubes; massive blobs;	200	5'	286.0	291.2	5.2		.001	
291.2	312.0	<u>MARONA ZONE (20.8')</u> Bands of Chert & chomice / gtz. (white); alternates w. bands of chlorite-serpyllitic wall rock, dark pyrite throughout, br. nature lts wall rock; pyrite heavy throughout as fig. dissem, coarse cubes and replacements.								
		@ 291.2 - 293.0 Chert, blue, white; fractured out by imp. int; thin line serpyllitic fracts; pyrite 3% white gtz. calc vein (1/4")	201	3	291.2	293.0	1.8		.009	
		293.0 - 295.5 as above with portions of structure w. chlorite, also some very wh. to shaly, chemical sedimentary pyrite up to 1/4" in white section	202	5'	293.0	295.5	2.5		.001	

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

**DIAMOND DRILL RECORD**

NAME OF PROPERTY

MATONA Mine

HOLE NO.

MOB-16

SHEET NO.

3

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHUR	FOOTAGE		%	g/t Au	g/t Au	g/t Au	
			IDES	FROM	TO	TOTAL		g/t Au	g/t Au	g/t Au	
	295.5 - 296.7	Chert, flow banded in part; bx w chert: 50% in matrix; pyrite 10% as streaks, dissem., blebs, figs; some matrix pelegn-scap.	282	10	295.5	296.7	1.2			.002	
	296.7 - 298.6	Chert w pyrite @ end of section; flow banded, e 45° pyrite @ 2%	284	3	296.7	298.6	1.9			.002	
	298.6 - 302.0	Hard rock, dk grey to black; chert bands; H.W. green 5" flow bands, irregular w dis. pyrite; pyrite = 4%	285	4	298.6	302.0	3.4			.001	
	302.0 - 306.6	as above w some massive pyrite bands min. green later 45° @ 5%	286	5	302.0	306.6	4.6			.001	
	306.6 - 309.0	Bands of pyrite and chert in black sh. with well rock, e.g. cubic pyrite; figs dis. clin. fr. sh. and dis. in gte. well rock	287	5	306.6	309.0	2.4			.017	
	309.0 - 312.0	White to grey, mottled, chert, gte. chert; very unusual rock; appears to be solution filling; secondary gte veins; pyrite 3%; fracture; veins @ 45°	288	3	309.0	312.0	3.0			.004	
3120	420.0	Porphyry, dk grey to green, highly altered; siliceous over fine + 10' thin matrix; pyrite heavy in upper 10', less deep in section; very severe alteration throughout; also heavy streaks of hematite; grades downward to pale grey w intense serpentinization, brecciation also intense down hole									

ROGERS - TORONTO - 366-1168

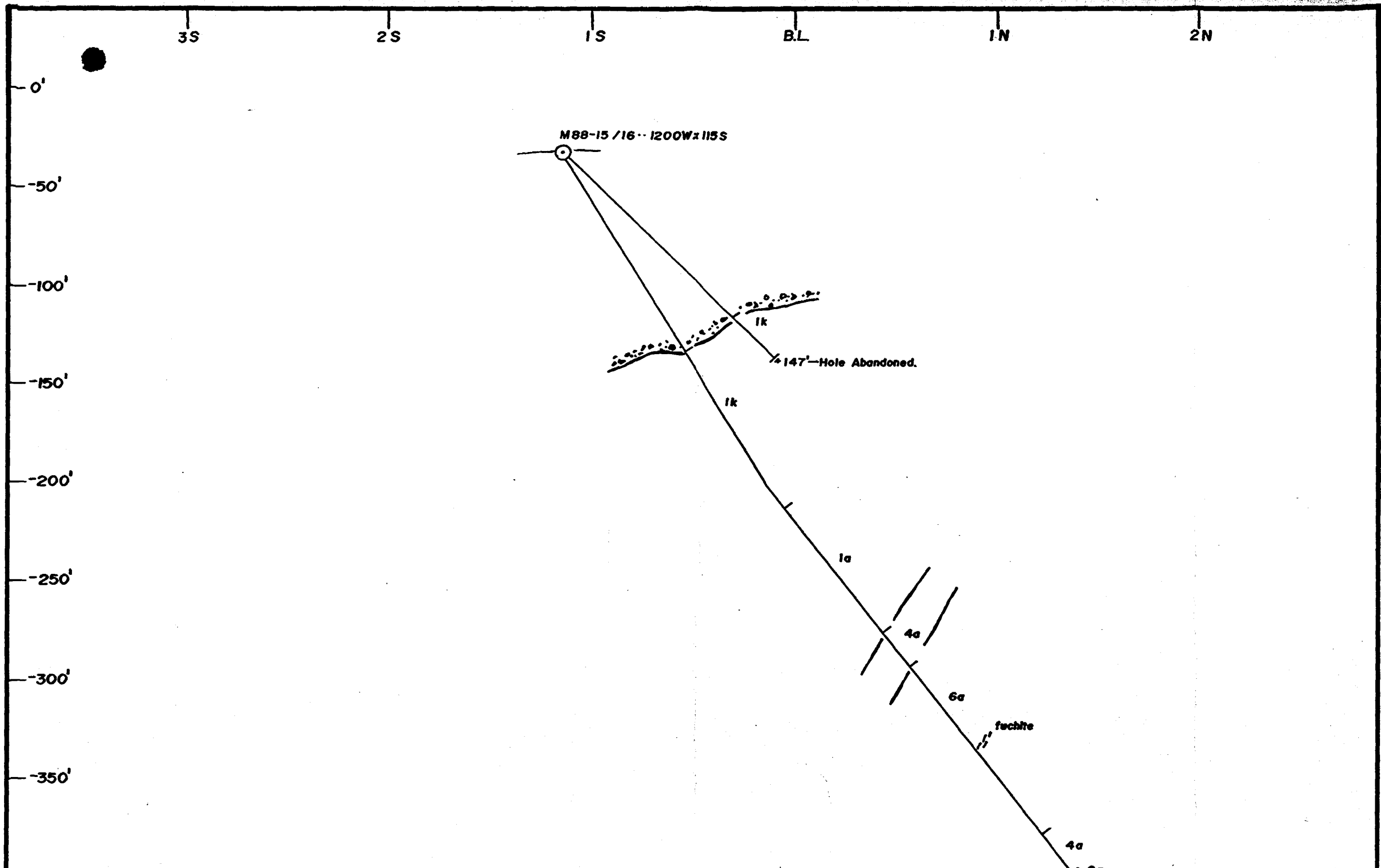
J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

DIAMOND DRILL RECORD

NAME OF PROPERTY MATONIA MINES  
HOLE NO. M 89-16 SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	SULPHUR IDES	FOOTAGE		%	%			
					FROM	TO		TOTAL	01-10%	01-10%	
		@ 312.0-314.5 Shale, red, very rich, porphyry; dk grey, shaly @ 60° fluorapatite 3%	209	3	312.0	314.5	2.5			2.001	
		@ 314.5-319.5 as above, but shaly, pyrite 5%	210	5	314.5	319.5	5.0			.001	
		@ 367.0-370.2 Grey coarse porphyry; fracture lined w/ green fuchsite, pyrite disseminated; 1% sp.	211	1	367.0	370.2	3.2			.001	
420.2	444.0	Breccia; porphyry fragments, chert fragments; in dk. gn, calcite-siderite rich matrix; pyrite by Thuy dust	212	3	420.2	424.3	4.1			<.001	
		of coarse cubes and fig disseminations and occasional replacement blebs; minor hematite wh in gte; 1" wh:	213	3	424.3	429.0	4.7			.001	
		gtn-calc runs 1/2 to 1" to 432-436; to ep; w/ gte	214	4	429.0	432.6	3.6			.001	
		chert pebbles are highly fractured, blue-black; angular; not common.	215	2	432.6	438.0	5.4			.002	
			216	3	438.0	444.0	6.0			.001	
444.0	450	Porphyry; grey gneiss; secreted; shaly; partially brecciated; minor wh gte-calc veins w/ ep; traces; wavy scarp; whe calcite veins @ random orientation; pyrite common in massive replacement blebs; wavy shaly filling.	217	3	444.0	447.3	3.3			.002	
			218	2	447.3	450.0	2.7			.001	
		End Hole @ 450'									

ROGEE - TORONTO - 366-1168



SECTION - 1200 W

EGO RESOURCES LIMITED
MATONA PROJECT OF ASQUITH RESOURCES INC. DRILL SECTION facing northwest
J.L. TINDALE & ASSOCIATES INC.

# DIAMOND DRILL RECORD

J. L. TINDALE & ASSOCIATES INC.  
907-110 Erskine Ave.  
Toronto, Ontario M4P 1Y4

NAME OF PROPERTY MATONA MINE  
HOLE NO. M88-17 LENGTH 450  
LOCATION N. of Sulphide Zone - HARD CORNER  
LATITUDE 0+055 DEPARTURE 14+655  
ELEVATION -12.07 ft. AZIMUTH 82° DIP -60°  
STARTED JAN. 9 1989 FINISHED JAN. 10 1989

FOOTAGE	DIP	AZMUTH	FOOTAGE	DIP	AZMUTH
150	57°				
450	61°				

HOLE NO. M88-17 SHEET NO. 1  
REMARKS Sulphide Zone

LOGGED BY J. L. TINDALE

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS			
FROM	TO		NO.	SULPHIDES	FOOTAGE FROM TO TOTAL	%	% ppb	OZ/TON	OZ/TON
0	18	Over burden, casing.							
18	52.0	Trachyte; gg to gngg. to purplish gray; very fine grained, dense; brittle fracture planes throughout; brecciated in part w fragments of same rock type; gta-carb veining random orientated, many @ 45°; pyrite fig. in areas of extreme br and areas. w veins; @ 29.3-32.5 Qtz-calc veining, irregular, br., f. ton. grad. pyrite, cubic in part, some pyrite in replacement blocks; pyrite 1% @ 35.7-40.0 As above, leaching of veins in part;	219	1	29.3 32.5 2.8			.001	
			220	1	35.7 40.0 4.3			.001	
52.0	106.0	Braccia; pyroclastic?; flow structures; almost an interflow breccia; gray to dark gr; fig. matrix; fragments and flow matrix non-bonneted isoperpetin. and; growth gta-carb veins up to 3" w abundant whippy fracture filling gta-veinlets; pyrite traces assoc. w vein; black cassiterite frst common 52.0-55.0 Rusty shear zone; soft, intense br, gta fragments. @ 61.0 3" wh. gta. carb vein @ 45° @ 66.4 1" gta-calc vein @ 10°							

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

**DIAMOND DRILL RECORD**

NAME OF PROPERTY MATONA M.D.  
HOLE NO. MDB-17 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHUR	FOOTAGE		%	A <sub>0</sub>	R <sub>H</sub>	
			ICES	FROM	TO	TOTAL		ppb	GT 100g	GT 10g
		@ 76.0 3" milky wh. ign. gtz-calc veins; @ 30° Note: Sharp contact @ 106' under-lying rock exhibits chilled-like contact @ 60°								
106.0	167.2	Trochyte, grading to Trochylite, gres chilled upper contact grading to gaj. st. to fig, dense and fracture less, common gtz-calc veins at a steep angle ± 70°; pyrite rare; occurs as isolated disc & vein in wh. gtz-calc; pyrite content increases near end of interval in fig lower contact. @ 136.5 3" bedded gtz-gres shaly zone filling @ 45°; some interbedded Tr. pyrite.								
167.2	204.7	Carbonate breccia zone; portions contain weird zebra striped frags; gtz-calc veins and wh. ign. veins; pale grey colour; fig. matrix; serp-camb alteration marks rock type; pyrite common throughout as massive patches; dissemin; cubic; replacing frags; red Fe stain in places; occasional blue gtz veins, rare.								
		@ 169.0 174 bygn. wh. fig. disc py; milky bx; gtz-calc veins	221	<1	169.0	174.0	5.0		.001	

ROGEE - TORONTO - 366-1169

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

**DIAMOND DRILL RECORD**

NAME OF PROPERTY MATONA MINE  
HOLE NO. M88-17 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS			
FROM	TO		NO.	S. SULPH. LOSS	FOOTAGE		%	Au	
					FROM	TO		TOTAL	Gr
		e 177.2 - 179 as above w several 1/4" blue gtz veins, random	222	<1	177.2	179	1.0		<.001
		e 182.0 - 187 gya; creamy wh, semi bonded, flow textures, a part, traces of black Fe rich matrix; hairlike whiting gtz scale; pyrite as coarse replacement blebs and dissemin cubic	223	1	182.0	187	5.0		.003
		187.0 - 190.0 DKgn; black matrix; red stained from Fe; breccia; gtz-cub; pyrite cubic diss 1%	224	1	187.0	190.0	3.0		.001
		190.0 - 192.3 Imp. wh, pale gn gya, gtz veins @ 40° to py	225	1	190.0	192.3	2.3	232	.007
		200 - 203.4 Intense gtz scale matrix, pyrite 1-2% as c.s. blebs cubic	226	1	200.0	203.4	3.4	100	.003
		203.4 - 204.7 Qtz veining, graphitic along irregular shoss, possible fault contact; Fe stain; tu. py.	227	<1	203.4	204.7	1.3	367	.011
204.7	315.0	Trachy-Basalt; DKgn w minute red, feldspar flecks; traces of bl. hornblende phenos; very massive in f.g.; some narrow shears infilled w sharp br. gn. epidote; minor gtz-calc veins;							
315.0	364.0	Carbonate rich intermed. volc(?) completely altered to carb. rich whole rock reacts w acid; br in upper portion grades downward to vit. s. dense, gray; by patches of pyrite in upper portion; black matrix							

ROGEE - TORONTO - 366-1188



J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

**DIAMOND DRILL RECORD**

NAME OF PROPERTY MATONA MINE  
HOLE NO. M08-17 SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS		
FROM	TO		NO.	DIAMETER	FOOTAGE	TOTAL	GR	SI	TOU
		graphite-like material along fractures and mixed w vein material; wispy gte-carb veins and some sharp g-c veins @ 45°; soft rock							
		@ 315.0-317.7 Mass of whier, g-c veinlets in dk gn wall rock, gte is black wh; f. pyrite 1%	228	1	315.0	317.7	2.7	197	.006
		@ 317.7-323.0 ggy br br, healed fault?; blotches of massive pyrite minor whier, g-c veins. Tr pyrite	229	Tr	317.7	323.0	5.3	129	.004
		325.0-325.0 Whier, very soap rich showed, minor gte in fill, trace to 1/8 py	230	Tr	325.0	325.0	2.0	39	.001
		325.0-327.5 as above w increase in gte argente	231	1	325	327.5	2.5	90	.003
		327.5-331.0 increase in black graphitic bands and inf. ll ground fragments; sig. cubic py in gneissite bands; shear filled gte-carb and fl. calc	232	1	327.5	331.0	3.5	7802	.227
		@ 342.0-344 Ggn. wall rock, carb. w gte carb veins @ 70° py 1%	233	1	342.0	344.0	2.0	44	.001
		@ 347.0-349.0 as above w 1° sharp w gte carb vein @ 45°	234	<1	347.0	349.0	2.0	30	.001
364.0	377.0	<u>HARD CREEK ZONE (13')</u> Graphite rich zone of highly sheared carbonat.ool rock w. bent beds and gte-carb veins; soap along wry shear planes; bright green fuchsite also but rare							

ROGEE - TORONTO - 366-1188

# DIAMOND DRILL RECORD

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

NAME OF PROPERTY MATONA MINE  
HOLE NO. 1200-17 SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHUR IDES	FOOTAGE		%	Au ppb	Ag 100g	Ct 100g
				FROM	TO	TOTAL				
		rusty shear planes in part, minor vuggy calc-gtz; pyrite lvs along shears, smeared, diss. cubes, figs in chert.								
		NOTE: Looks very similar to Matona Mine Zone.								
		@ 364.0 - 366.0 Bands of bl-graphite mixed w gtz-carb vein material and blue chert; wavy black partings; pyrite string partings, 1-2%.	235	2	364.0	366.0	2.0	579	.017	
		@ 366.0 - 368.8 Pale gray scarp rich zone in bands of bl-graph. rich gtz-chert (white) veins; sh. rich in about 45°; irregular wavy gtz veins; minor fuchsite.	236	1	366.0	368.8	2.8	261	.008	
		@ 368.8 - 370.2 Chert, blue gy, pyrite disseminated 1%	237	1	368.8	370.2	1.4	396	.012	
		@ 370.2 - 372.8 Gray sheared carb. rich zone; wavy shear planes @ 45°, gtz-carb veins 30%; chert frags on H.W; to pg.	238	T	370.2	372.8	2.6		.001	
		372.8 - 377.0 Qtz-carb vein rich veins @ 45°; w bands of graph. to rich shears, rusty partings; 6" wgtz veins; 2' end of section graph. gtz veins w red staining; pyrite 1%	239	1	372.8	377.0	4.2		.006	
377.0	384.5	Transition Zone; gray yellowish gy, scarp rich, sheared to black carbon. @ 45° shear planes; pyrite as diss. in altered rock; clay fractures					1			



IW

B.L.

1E

2E

3E

4E

0'  
-50'  
-100'  
-150'  
-200'  
-250'  
-300'  
-350'

M88-21-130E x 740S

0.029  
1.0' dz-cb W py.

1k

1k<sub>a</sub>

291'

SECTION: 750S

EGO RESOURCES LIMITED

MATONA PROJECT  
OF  
ASQUITH RESOURCES INC.  
DRILL SECTION  
facing north

J.L. TINDALE & ASSOCIATES INC.

# DIAMOND DRILL RECORD

J. L. TINDALE & ASSOCIATES INC.  
907-110 Erskine Ave.  
Toronto, Ontario M4P 1Y4

NAME OF PROPERTY Marna Property  
HOLE NO. M88-18 LENGTH 450  
LOCATION South and sulphide zone - Haze Creek  
LATITUDE 1405E DEPARTURE 1542S  
ELEVATION -201 ft. AZIMUTH 82° DIP -60°  
STARTED Jan. 10/89 FINISHED Jan. 11 89

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
150	57				
450	54				

HOLE NO. M88-18 SHEET NO. 1

REMARKS Sulphide Zone

LOGGED BY J.L. TINDALE

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
0	8.0	Overburden.								
8.0	70.6	<p>Trachy-Basalt; fig. to taggs; w/ irregular fracture zones scattered over interval filled w/ angular basaltic fragments, often black or dk gr; bx zones infilled with gte-calc matrix often pink to mrose in colour; some recrystallization evident in these zones - some almost net-like structures; pyrite as very fine, good medium structure in bx and also sig. cubes along individual common fractures and w/ gte-calc veins; some circular grey alteration products ("x") packed together in portion of inter-col; gte-calc veins irregular, whispy, often red-pink to stained.</p> <p>Note: This is same zone which hosted <u>sulphide zone</u> in holes 5 &amp; 6. Sulphide content much less.</p> <p>@ 10.0-15.0 Bx zones in aggr. trachyte; &lt;1% py.</p> <p>@ 21.5-26.0 Bx zones as above, net texture, pyrite &lt;1%.</p> <p>@ 26.0-29.7 as above w/ occasional 45° gn wh. gte veins</p> <p>@ 29.7-35.0 as above, lots of zones, gte-calc - 7% py.</p>								
			242	<1	10.0	15.0	5.0			<.001
			243	<1	21.5	26.0	4.5			<.001
			244	<1	26.0	29.7	3.7			<.001
			245	<1	29.7	35.0	5.3			.001

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

**DIAMOND DRILL RECORD**

NAME OF PROPERTY MATONIA PROD  
HOLE NO. M82-10 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHUR % FeS	FOOTAGE		%	%	GT. 10"	GT. 10"	
					FROM	TO					TOTAL
746	131.0	Treehy-Basalt; similar to above without dy zones but still w. gte-calc veins; prevalent; veins tend to be sharp, fine banded gte-w/ gte-calc; ta pyrite; gte-calc veins increase esp. end of interval and make up 30% of area in places; veins vary in vein orientation w. preferred apparently 45° @ 107.2" column part w/ gte-calc veins @ 45°									
@ 131.0	145.2	Graphite-rich zone; pale grey, v. fine, altered but not shaly, appears to have been chemically soaked and altered, perhaps to serpentine-like facies; graphite occurs as wavy irregular filling of fractures, and as black bands; also sheared and polished; graphite some injected w. white gte-calc veins; and where veinlets; pyrite is not pervasive, fig. along veins; e.g. white in bl. graphite; some nodules replacement; some of rock is br w. bl. graph. frag.; @ 131.0 - 135.0 Paleog. pseudo br in chemical (serpentine) minor streaks graphite-like black, vein, pyrite, occasional gte-w/ gte-calc veins.	246	41	131.0	135.0	4.0			<.001	

MOSES - TORONTO - 366-1166

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

**DIAMOND DRILL RECORD**

NAME OF PROPERTY MATONA Prop.  
HOLE NO. M98-18 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHUR INDEX	FOOTAGE			%	%	G/TON	G/TON
					FROM	TO	TOTAL				
		C 135.0-137.3 as above w/ 15% black graphite, br, 20% gtc-calc, pyrite 1%, polished graphite w/ sharp planes	247	1	135.0	137.3	2.3			0.001	
		C 137.3-139.2 as above w/ 10% graphite, tr. py.	248	<1	137.3	139.2	1.9			<.001	
		C 139.2-141.2 hvy graphite, coarse broken and partly ground, strong 1" gtc-calc veins; pyrite ± 1%	249	1	139.2	141.2	2.0			<.001	
		141.2-145.2 Pale gng. w/ frags. of bl. graphite; 20% gn. wh. gtc-calc veins; pyrite nodules, and coarse nodular blk. br ± 1%.	250	<1	141.2	145.2	4.0			<.001	
145.2	167.7	Trachyte; pale gng. w/ frgs. abundant white gn in-crusts gtc-calc veins; gtc-calc veins ± 20% of rock mass; traces of pyrite in some of the veins;									
167.7	324.0	Porphyritic gn, fine med gr. gradational from above; contains sections of recrystallized "zebraite" over 1/2' sections and then changes to bx; gtc-calc veins; th. gng. & some sections well sheared and lined w/ sericite; frgs. pyrite in veins; bx down to basal contact.									

8911-98 - QUANTITY - 500

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

DIAMOND DRILL RECORD

NAME OF PROPERTY Marona Pass  
HOLE NO. M88-18 SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	SULPHUR IBCS	FOOTAGE		%	%	Gr. Ton	Gr. Ton	
					FROM	TO	TOTAL				
224	227	Shoo-Zone; gneiss; partially leached; thin shear planes; broken core throughout; rusty red stain throughout; wh. gy. gtz-ecle veins; contents bleached; no visible py - possibly leached out	251	T-	224	227	3.0			0.006	
227.0	247.4	Trachyte(?) gtz to ss; jumble of apparently re-crystallized volcanic w black Fe rich infilling along selvages; from fault grades downward w lessening gneiss; serp. alteration throughout; fine mag. py along veins; some salmon pink calc-gtz veins @ 20°;									
		@ 227 - 229.4 pale gray, highly alk. bands of black, red stained, Fe rich material, non-magnetic	252	T-	227	229.4	2.4			0.001	
247.4	287.0	Trachy Basalt or M. Volc. - fine, dense, uniform, massive; occasional gtz-ecle veinlets @ 60°; traces py in veins and fractures; gtz veins mainly quartz; dk gray									
287.0	301.0	Basaltic; dk gray w wh. granitic patches; chilled upper contact; fine gr. dk gray wh. gtz-ecle veins @ 60° ad erratic;									



J.L. TINDALE & ASSOCIATES INC.

Consulting Geologists

# DIAMOND DRILL RECORD

NAME OF PROPERTY Martens Prop.  
 HOLE NO. MDB-18 SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	SULPHUR INDEX	FOOTAGE		%	%	BT. TON	GT. TON
				FROM	TO	TOTAL				
		pyrite <sup>traces</sup> or isolated blebs; distr. in veinlets								
301.0	311.0	<u>Carbonate-Serpentine Zone</u> ; 30% gtz-carb. serps. veins, whisps, in fillings in dk gn matrix host rock; bright gn serps. is distinctive; some gtz-calc veins w/ thin masses of pyrite xls; appears to be 2-3 generations of veins; @ 90°, 60° and 30°; pyrite with gtz-calc veins, traces red Fe stain on slips; pyrite in c 301.0-304.5 heavy serps. veins, gtz-calc, + py.	253	70	301.0	304.5	3.5			0.001
		c 304.5-307.2 as above w/ gtz-calc veins w/ pyrite	254	1	304.5	307.2	2.7			0.003
		c 307.7-311.0 less serps, whisp gtz-carb veins w/ pyrite, irregular orientatn.	255	1	307.7	311.0	3.3			0.003
311.0	357.2	<u>Trachy-Basalt</u> ; dk gn w/ minute reddish flecks; pluc. felds; dense, uniform, fine; hauling fracture w/ epidote, calc, gtz veinlets;								
357.2	368.0	<u>Sheared Carbonate Zone</u> ; shaly contacts; may be pre-oxidized; alt-red dyle or bed of gtz to gtz; gtz with br serps. at the end of clay slip plane; showing @ 45°;								

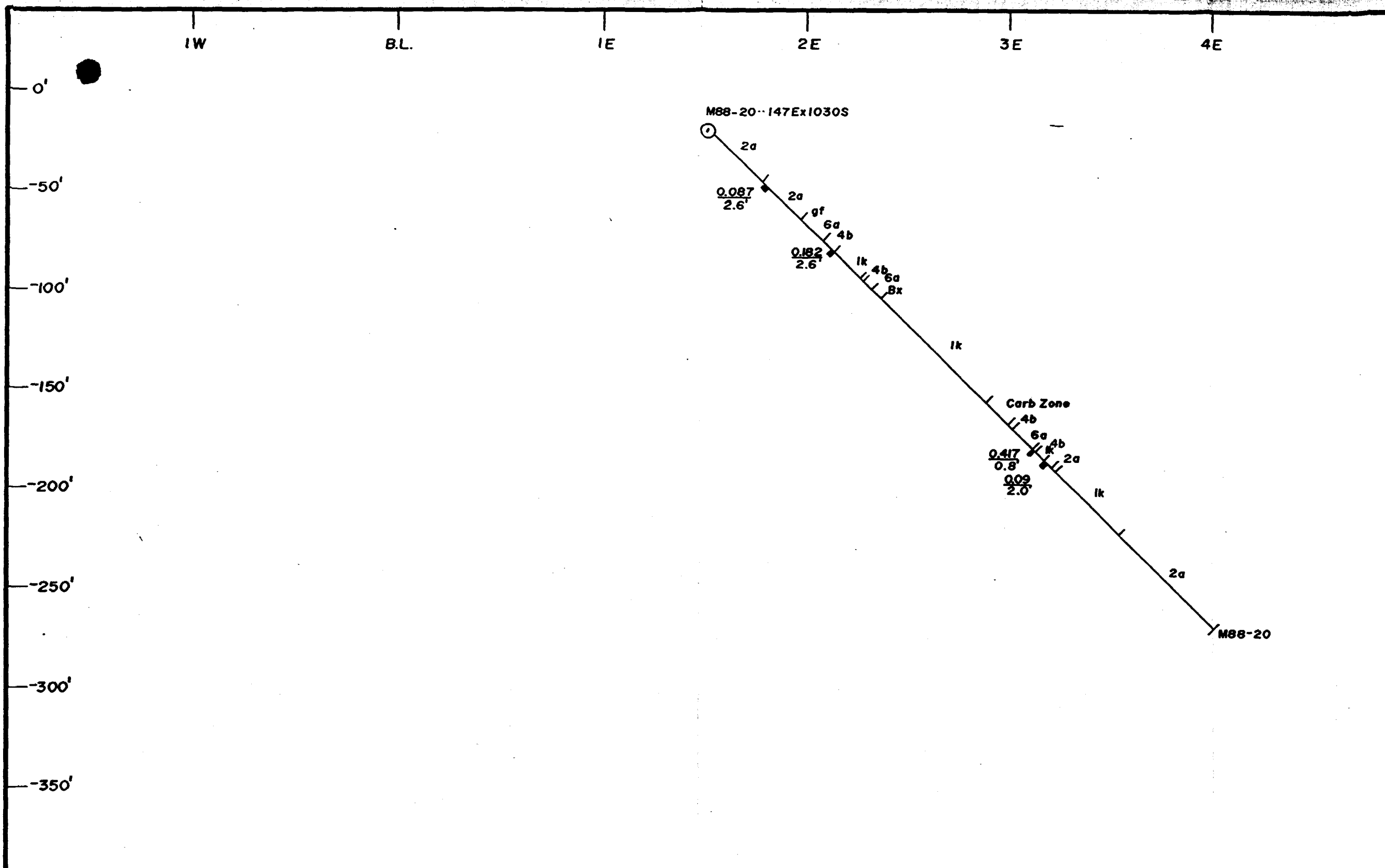
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J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

**DIAMOND DRILL RECORD**

NAME OF PROPERTY MATONS PEP  
HOLE NO. MEB-1B SHEET NO. 6

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SHLPH IBCS	FOOTAGE		%	%	Gt-100	Gt-100	
					FROM	TO					TOTAL
		gtz-carbonate veining is intense; gray to white to gray wh; black wavy carbonaceous material along veins in part; minor bright green fuchsite in scarp alternating with pyrite as replacement blebs and minor disseminated in veins									
		e 357.2-361 Scarp, bagged streak w gray gtz-carb altered rock, tr pyrite c1 blebs	256	T-	357.2	361.0	3.8			0.011	
		e 361.0-363.0 as above w wh. gtz veins tr py	357	T-	361.0	363.0	2.0			0.003	
		e 363.0-364.6 Gypsumite, black carb with zones, tr py	358	T-	363.0	364.6	1.6			0.014	
		e 364.6-368.8 Gray gn well cov'd w green smp shales and gtz carb veins	359	T-	364.6	368.8	4.2			0.001	
368.8	450	Trachyte; gray to purpled gray; irregular thin gtz-carb veins; minor epidote along partings; some reddish alt zones (massive in Gc); traces of diss pyrite; end hole in reddish m.g. trachyte									
		End Hole @ 450'									



SECTION: 1050S

EGO RESOURCES LIMITED

MATONA PROJECT  
OF  
ASQUITH RESOURCES INC.  
DRILL SECTION  
facing north

J.L. TINDALE & ASSOCIATES INC.

# DIAMOND DRILL RECORD

J. L. TINDALE & ASSOCIATES INC.  
907-110 Erskine Ave.  
Toronto, Ontario M4P 1Y4

NAME OF PROPERTY Marona Mine  
HOLE NO. M08-19 LENGTH 500  
LOCATION Sulphide Zone - Hare Creek South  
LATITUDE 0113E DEPARTURE 13460S  
ELEVATION -1991 ft AZIMUTH 82° DIP 60°  
STARTED JAN. 12 1989 FINISHED JAN. 14, 1989

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
150'	61°				
500'	61°				

HOLE NO. M08-19 SHEET NO. 1  
REMARKS Sulphide Zone Area

LOGGED BY J. L. TINDALE

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON	
				FROM	TO	TOTAL					
0	10	Overburden & Caprock									
10.0	33.4	Mafic Volcanic; dkgn; f.m.g; fragmental in part w angular fragments of m.v. surrounded by gn wh. g.c. vein material; fragment quantity increasing w depth; g.c. vein material irregular masses and as whisp vein material; pyrite, f.g. w g.c. material; palegn. scarp. w vein material; g.c. content of interval 10-15%. @ 20.6-24.0 dkgn to black f.g. m.v., whisp g.c. material, tr pyrite. @ 24.0-27.0 as above w bx frags; tr ps. @ 27.0-30.2 hvy bx, 20% g.c. vein whisp; tr - 1% py @ 30.2-33.4 as above, tr rust, scarp whisp along veins.	260	Tr	20.6	24.0	3.4			0.014	
			261	Tr	24.0	27.0	3.0			0.001	
			262	Tr	27.0	30.2	3.2			0.001	
			263	Tr	30.2	33.4	3.2			<.00	
33.4	126.0	Trachyte; f.g.; gn to purplish gn; massive; occasional g.c. veins @ 45-60°; veins steep often w minor pyrite along vein boundaries. NOTE: Driller reports grinding 5' core from 37-47', possible fault? @ 106.0-108.0 Gn. trachyte; partially bx, soft, altered, showed w f.g. pyrite along fractures; minor g.c. vein trpy	264	Tr	106.0	108.0	2.0			0.001	

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

**DIAMOND DRILL RECORD**

NAME OF PROPERTY Marona Property  
HOLE NO. M08-19 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS			
FROM	TO		NO.	% SULF. IDES	FOOTAGE FROM TO TOTAL	%	%	GT. TON	GT. TON
126.0	189.8	Mafic Volcanic; <sup>brassy</sup> black, sig. fragmental in part w fragments, angular of purplish trachyte; serpentinized in part; random oriented gn. wh. gte-calc veins through up, often wispy and filling interstices between fragments; gne often has serpentine along vein boundaries; pyrite occurs as cubes w veins and along fractures; vein orientation from 90° to 10°; several veins // to core axis.							
189.0	295.2	Mafic to Intermediate Volcanic; pale gn to gn; carbonate & serp. alteration throughout; 10-15% gte-calc veins as irregular wisps, good filling and sharp veins; like a stockwork; pyrite as wavy replacement of veins; disseminated in gn. wh. calcite veins; along fractures; minor reddish Fe stain along fractures; yellow serpentine; bright green epidote masses w fractures and vein edges; alteration less intense down hole;							
		@ 193-197.2 Paleogn rock w pyrite dec. in irregular masses and replace veins; 3" banded gte-calc vein @ 60°;	265	<1	191.0	197.2	4.2		0.002
		@ 215-216.2 Zone intense alt., gn. calcite dec. in 12% disseminate	266	2	215.0	216.2	1.2		0.001
		@ 214.2-214.9 as above, less intense; pink gn wh. calcite veins // to core axis; wispy pyrite disseminate along fracture;	267	<1	214.2	214.9	0.7		<0.001

ROGEE - TORONTO - 366-1168

J.L. TINDALE & ASSOCIATES INC.  
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DIAMOND DRILL RECORD

NAME OF PROPERTY MARONA MINE  
HOLE NO. 1798-19 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS			
FROM	TO		NO.	SULPH IDES	FOOTAGE FROM TO TOTAL	%	%	Gr. Ton	Gr. Ton
		@ 219.9-236.0 - as above, some chemise'-like st <sup>n</sup> to rock, massive pyrite infilling g <sup>o</sup> ster; g <sup>o</sup> ster veins @ 60°	268	1	219.9 236.0 6.1			0.005	
		@ 271.5-272.9 contains 2" purplish grey st <sup>n</sup> vein @ 45° w graphite along edges, and thin wall rock wavy fractures; pyrite disseminated, whips ± 1% fragmental.	269	1	271.5 272.9 1.4			0.001	
295.2	338.8	Breccia, apparently trachyte, g <sup>o</sup> ster veins, dense host rock in angular fragments of wall rock and angular mass of adjacent rock, many black frage of adjoining(?) rock surfaces; some alteration along fractures throughout; occasional green gl <sup>o</sup> -carb veins on vein let; pyrite present in fragments, along fractures.							
		@ 295.2-297 Black graphite-like carbonaceous material w frage as bands in rock, pyrite scattered throughout ± 1	270	1	295.2 297.0 1.8			0.001	
		@ 336.5-338.8 Similar to above @ lower contact of unit; bl <sup>o</sup> graphite-like material; 15% whips; g <sup>o</sup> ster veins and in filling; graphite on fracture planes; pyrite as fr. massive inclusions in vein material	271	1	336.5 338.8 2.3			0.001	

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Consulting Geologists

**DIAMOND DRILL RECORD**

NAME OF PROPERTY MATONA MINE  
HOLE NO. 1100-19 SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	ANALYSES	FROM	TO	TOTAL	%	%	Gr. 100	Gr. 100
338.0	367.7	Intermediate Volcanic Tuffite; gneiss to quartzite; abundant irregular gneiss vein material at random orientation and infilling fractures; vein material gash, grey, pinkish or combination; pyrite in massive gash fillings and disseminated in vein material; some of interval fragmented; some graphite along shear planes and as vein infilling of fractures; mostly Fe stain on some fracture planes; much of rock is pale green serpentinized, soft; Note: similar to sulphide zone in hole #6									
		C 349.2 - 352.3 S.p. rich, g.c. white 10%; sp. 1%	272	1	349.2	352.3	3.1			0.001	
		C 352.3 - 357.0 Bagnatrich fault, red fr. filling; disc 1%	273	1	352.3	357.0	4.7			0.057	
		C 357.0 - 362.0 gneiss serpentinized, veinlets; disc cubes c. 1%	274	1	357.0	362.0	5.0			0.036	
367.7	448.0	Tuffite-Basalt; dkgn w minute red feldspar inclusions; fig; massive; occasional gneiss veins (see comments to above) usually accompanied by bright green epidote and/or serpentine; pyrite rare w veinlets. Zone becomes dkgn to bl. and finer gr. near basal contact of interval									
		C 411.1 - 411.6 fibrous serpentine w light infilling; disc c. 4%									
		C 414 - 415, as above. bright green epidote; trace of vein									

PROCES - TORONTO - 365-1168

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**DIAMOND DRILL RECORD**

NAME OF PROPERTY MATONA MINE  
HOLE NO. M28-19 SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	SULPH. IDES	FOOTAGE		%	%	Gr. Ton	Gr. Ton	
					FROM	TO	TOTAL				
448.0	462.6	Bands of intense gte-carb in section as wavy vein material alternating w bands of dkgn to black trachy-basalt or chert; very distinctive; gte-carb material is white to grey, often w gn soap-looking appearance; pyrite occurs as massive blebs in vein material (rare); gte-carb zones appear to be filling wavy shearing @ 45°; j									
462.6	484.0	Carbonate Zone/Shear Zone; yellowish mixed w bands of dkgn; gte-carb injected into zone making up to 20% of content; preferred shear fabric @ 45°; graphite along shear planes near end of interval; fragments common; minor red Fe point on shear planes; pyrite is rare, occurs as massive bands and irregular disseminations, most common near end of interval w gte veins									
		e. 462.6-465.0 DKgn, soap-like yellowish; gte-carb 5%; tr. py	275	Tr	462.6	465.0	2.4			0.048	
		e. 465.0-466.6 DKgn to bl; broken zone w red Fe point; massive py in 4" gte-carb vein.	276	Tr	465.0	466.6	1.6			0.014	
		e. 466.6-470.0 Pale gn yellowish; wavy soap-lined shearing; gte @ 20%; 1/2" w gte veins @ 45°; pyrite as small blebs	277	Tr	466.6	470.0	3.4			0.002	

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**DIAMOND DRILL RECORD**

NAME OF PROPERTY Maryon Mine  
HOLE NO. MEB-19 SHEET NO. 6

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	G SULPH IDES	FOOTAGE		%	%	GT. TON	GT. TON	
					FROM	TO					TOTAL
		470.0 - 474.0 as above, black br some pyrite rare.	278	Tr	470.0	474.0	4.0			0.001	
		474.0 - 477.0 as above, no br zones.	279	Tr	474.0	477.0	3.0			0.001	
		477.0 - 479.0 White gte, carb, in dk gn host; black carbon material near end interval w wh gte-carb; flecks of cubic pyrite along shear planes.	280	Tr	477.0	479.0	2.0			0.003	
		479.0 - 482 Dense, gngy, chilled like rock w 10" band of perphyry at end of interval, contains @ 45° disseminated pyrite cubes and minor flowage pyrite	281	Tr	479.0	482.0	3.0			0.007	
		482.0 - 484.0 Bleached gngy, fig, sheared w yellowish serp. inlets, 3, 2" from white top kh. gte veins @ 45°, pyrite along veins, fig. disc., buy in places and cubic.	282	I	482.0	484.0	2.0			0.008	
484	500	Trachyte; purplish to reddish brown; fig, dense.  End Hole @ 500'									

3065 - TORONTO - 366-1168

IW

B.L.

1E

2E

3E

4E

0'

-50'

-100'

-150'

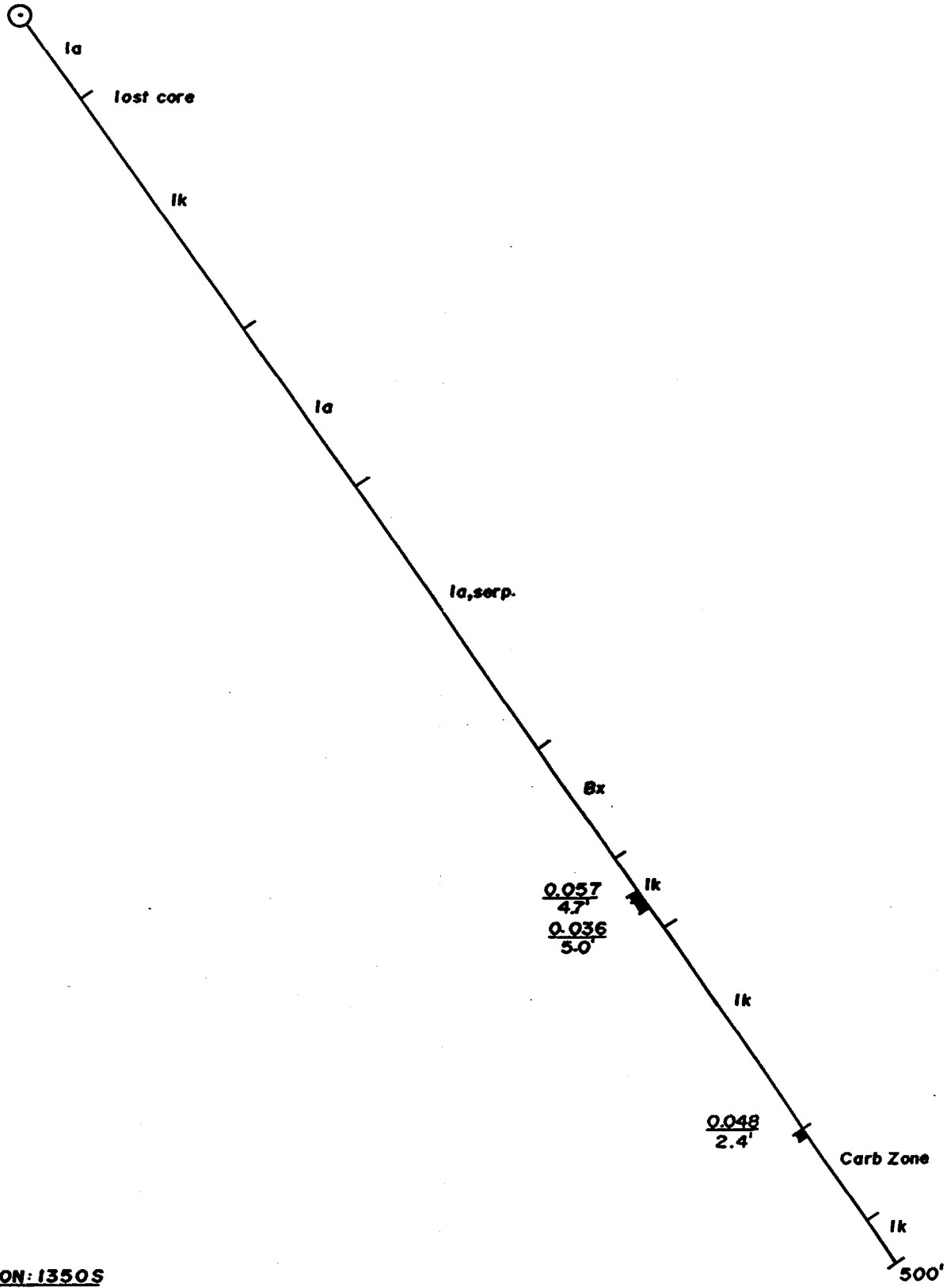
-200'

-250'

-300'

-350'

M88-19-1363Sx013E



SECTION: 1350S

EGO RESOURCES LIMITED

MATONA PROJECT  
OF  
ASQUITH RESOURCES INC.  
DRILL SECTION  
facing north.

J.L. TINDALE & ASSOCIATES INC.

# DIAMOND DRILL RECORD

NAME OF PROPERTY MATONA MINE PROPERTY  
 HOLE NO. MBB-20 LENGTH 350'  
 LOCATION CENTRAL HARE CREEK ZONE  
 LATITUDE 147E DEPARTURE 10 + 30S  
 ELEVATION -21' AZIMUTH 82° DIP -45°  
 STARTED FEB. 2/89 FINISHED FEB. 3/89

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
150'	43°				
350'	43°				

HOLE NO. MBB-20 SHEET NO. 1  
 REMARKS HARE CREEK ZONE

LOGGED BY J.L. TINDALE

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
0	8	Casing.									
8.0	37.5	Gn to gn. gy. mottled, soft, intermediate volcanic(?), partially brecciated, medium grained; shot full of wavy gtz-crab veins and sharp gtz-crab veins up to 1"; sharp veins @ 45° to C.A.; bright green fuchsite common as replacement of fragments in grey brown matrix; pyrite prevalent as fine grained replacement blebs, streaks, and disseminations; occasional blebs of red jasper-like phenite in some veins. Note: rock could be a highly altered granitic derived rock.									
		@ 16.5-19.0 mottled rock as above, with irregular gtz veins, and bx frags; fuchsite replacements; trace u.f.g. pyrite	416	<1	16.5	19.0	2.5			.001	
		@ 19.0-22.0 mottled as above, gtz veins @ 30° upto 1", tr. py	417	<1	19.0	22.0	3.0			.001	
		@ 22.0-27.0 as above	418	<1	22.0	27.0	5.0			.001	
		@ 27.0-32.0 as above w 10-20% gtz-crab veins, @ 30°, tr. py.	419	<1	27.0	32.0	5.0			<.001	
		@ 32.0-35.3 as above,	420	<1	32.0	35.3	3.3			<.001	
		@ 35.3-37.4 Highly obscured and altered, wavy gtz-crab veins; dramatic increase in pyrite as u.f.g. disseminations, showing @ 30° to C.A.	421	4	35.3	37.4	2.1			.002	

# DIAMOND DRILL RECORD

NAME OF PROPERTY MATONN

HOLE NO. MB8-20 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ./TON	OZ./TON
					FROM	TO	TOTAL				
37.5	64.7	<p><u>Intermediate volcanic</u>; gn to gngn; very fine grained; dense, fractured concordably and healed giving fragmental appearance to core; 1% wispy, wavy, white gtz-csk veinlets up to 1/4" diameter; stronger veins @ 45°; pyrite as cubes, fig disseminations and fig. streaks along structures; bleaching evident along structures; portions of interval appear ser. porphyritic.</p> <p>@ 37.5-38.5 Fault contact; included in rusty stain; wh gtz vein in 1/2" breccia @ 40°; br. carbonate w/ gtz; tr. py; mostly leached?</p> <p>@ 38.5-41.0 Ufg. bngy to bngy, a hard, int. volc., pyrite disc., irregular sharp planes.</p> <p>@ 61.0-63.0 Sheared zone w/ 5" gtz-carb vein @ 20°; br carbonate in vein and along shear planes @ 20°; traces br. py; gn. fuchsite along shears; pyrite 21% as v.f.s. disc. and occasional cube</p> <p>@ 63.0-64.7 Sheared zone as above w/ tr. gtz, broken core, traces graphite on shear planes; tr. pyrite</p>	422	<1	37.5	38.5	1.0			.010	
			423	1	38.5	41.0	2.0			.087	
			424	1	61.0	63.0	2.0			.001	
			425	1	63.0	64.7	1.7			.001	
64.7	79.5	<p><u>Porphyry</u>; yellowish pale gn; wh gtz plene; feldspar plene thru out; hwt; gtz-carb vein common (4%); major veins @ 45°; pyrite line along block fracture w/ ser. and traces w/ veins; low embol shape 45°; upper contact faulted.</p>									

LANGMILLS - TORONTO - 365-1188

J.L. TINDALE & ASSOCIATES INC.  
Consulting Geologists

**DIAMOND DRILL RECORD**

NAME OF PROPERTY MATOUA  
HOLE NO. M88-20 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHUR	FOOTAGE			%	%	OZ. TON	GT TON
					FROM	TO	TOTAL				
		64.7-67.0 Brecciated fault zone w/ heavy black shaly graphite; schistosity @ 50°; w/ gtz veins; 11el showing; fuchsite bright gtz along schistosity particularly w/ graphite concentrations; suggestion of folding; pyrite heavy w/ graphite as fig. masses and along vein boundaries	426	2	64.7	67.0	2.9			.023	
		67.0-69.4 yellowish porphyry; several glaucous veins @ 45°; pyrite associated; 5% gtz overall.	427	1	67.0	69.4	2.4			.001	
79.5	87.0	Banded Inter-flow Sediment in B.I.F.; Black thin, wavy, banded w/ gtz veins throughout upper portion 11el banding grades downward to black massive unit; bands @ 60°; pyrite throughout as fine disc; replacement massive zones; diss. cubes; fuchsite as wavy partings and replacement; unit partially brecciated; shaly bl. graphite along shear planes; single 1/2" pink calc vein, steep @ 60°									
		79.5-81.0 Brecciated contact w/ black granulate covered fragments; gtz 2% along fracture.	428	2	79.5	81.0	1.5			.013	

KROGGS - TORONTO - 366-1168

# DIAMOND DRILL RECORD

NAME OF PROPERTY Matoja  
 HOLE NO. M88-20 SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	oz./TON	oz./TON
				FROM	TO	TOTAL					
		© 81.0-84.4 Graphite rich, gte rich, black, hyp pyrite 5% w some massive replacement; well bedded.	429	5	81.0	84.4	3.4			.010	
		© 84.4-87.0 Black, brecciated, less gte than above, pyrite cubes; blebs ± 2%; sharp contact @ 45°; graphite along slips.	430	2	84.4	87.0	2.6			.182	
87.0	106.3	Trachyte; v.f. si pinkish to yellowish gn; dense, fractured considerably and healed giving fragmental appearance; very dense; black lining of fracture partings; minor fuchsite along late shears; pyrite throughout as cubes and masses of fig. xls; becomes br. on last 6' of interval; grades into lower contact unit. Note: Probably same unit as 37-64 above.									
		© 94.0-95.0 wh gte carb vein @ 90°, 8°; w black graphite along contact and banded gte; graphite; pyrite 1% along shear planes; hyp pyrite on R.W. ± 3%.	431	1	94.0	95.0	1.0			.002	
		© 102.4-106.3 Bx, black partings, < 1% pyrite; contact zone	432	< 1	102.4	106.3	3.9			.001	
106.3	107.8	Interferential sedimentary; black bands w white gte-calc vein infilling @ 60°; shins black graphite along partings; red Fe stain along partings @ 60°. Pyrite < 1% as small cubes diss, and v.f. structures along fractures.	433	< 1	106.3	107.8	1.5			.005	
107.8	113.8	Porphyry; yellowish gn. 34; altered and fractured; partly serpentinitized, white gte; telluriferous where evident; bands of white gte @ 60°; graphite along some partings; fuchsite along partings as wavy infillings									

# DIAMOND DRILL RECORD

NAME OF PROPERTY Matoja  
 HOLE NO. M 88-20 SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	SULPHIDES	FOOTAGE			%	%	OZ./TON	OZ./TON
					FROM	TO	TOTAL				
		pyrite hvy to semi-massive over narrow widths 1/4" to shear planes;									
		① 107.8-110.0 Porphyry; serpentinized; minor gte-carb veins 7-10% py	434	<1	107.8	110.0	2.2			.001	
		② 110.0-112.3 Highly altered Q, graph. partings, fuchsite in partings; gte-carb veins pervasive, bx, pyrite 1%	435	1	110.0	112.3	2.3			.005	
		③ 112.3-113.8 Porphyry, shaly; bx; minor gte inclusions, Tr. pyrite	436	<1	112.3	113.8	1.5			.003	
113.8	120.0	<u>Trachyte Breccia Zone</u> ; porph. sh., partings, gte frags with black graphitic partings; wavy graphite along zone; occasional wh. gte; pyrite hvy as disseminated and also as massive patches;									
		① 113.8-117.0 Shear @ 45°; dis. pyrite along shear planes to 5%; bx.	437	3	113.8	117.0	3.2			.002	
		② 117.0-120.0 Highly sheared; altered; graphite prevalent; pyrite as blebs; massive inclusions	438	2	117.0	120.0	3.0			.019	
120.0	144.0	<u>Trachy-Basalt</u> ; dk gn, very fine grained, uniform, massive; occasional gte-carb veins @ 30-45°; traces of disc. cubes of pyrite; serpentine fibres along some vein borders; epidote lvs; ① 138.6-142.0 Sheared zone; wh. gte-carb, shaly @ 20°; fig. pyrite along shearing;									
		Note: Red feldspar flecks common over basal portion of interval. Also red Jasper borders in veins.									
			439	2	138.6	142.0	3.4			.010	

LANGRISHES - TORONTO - 366-1180

# DIAMOND DRILL RECORD

NAME OF PROPERTY MATONA MINE  
 HOLE NO. M 88-20 SHEET NO. 6

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS						
FROM	TO		NO.	SULPHUR IDES	FOOTAGE			Au	Ag	OZ/TON	OZ/TON	
					FROM	TO	TOTAL					
194.0	209.4	<p><u>Carbonate Shear-Zone</u>; pale gn to gn; f. ten. gnd; no idea what host rock was; shearing @ 45°; 20% white gte-carb veins, whips, stringers; S-folding in places; pyrite as massive replacement podof along shears &lt;1% overall.</p> <p>@ 197.0-201.5 gn. carbonate, 20% whippy gte-carb, &lt;1% py.</p> <p>@ 201.5-205.3 as above</p> <p>@ 205.3-209.4 folding, pyrite 1%, otherwise as above</p>	440	T-	197.0	201.5	4.5					
			441	T-	201.5	205.3	3.8			.001		
			442	1	205.3	209.4	4.1			<.001		
										<.001		
209.4	212.0	<p><u>Interflow sediment</u>; banded wh gte w black graphitic sediment; 40% g-c; pyrite as massive blebs; disseminated 3%.</p>	443	3	209.4	212.0	2.6			.030		
212.0	226.4	<p><u>Po-phyl</u>; yellowish gn; appears serpentinitized; hyp shearing in places w fuchs, ite traces; pyrite disseminated; minor gte-carb veining; bx in short sections;</p> <p>@ 212.0-213.8 Bx upper contact; gte veins; blebs; trace py</p>	444	T-	212.0	213.8	1.8			363	.011	
226.4	227.2	<p><u>Interflow sediment</u>; 60% gte veins @ 30°; 60°; black graphitic; pyrite as stringers along fractures</p>	445	1	226.4	227.2	.8			14327	.417	
227.2	234.0	<p>Trachyte; gy to purple gy; very fig. dense, conoidal fracture lined w black interflow sedimentary material; section becomes highly sheared over last 8 feet; @ 45° to CA; pyrite hyp in shear zone; cubic pyrite flung lot as disseminated.</p>	446	1	231.5	234.0	2.5			1025	.030	

LANGRIGGS - TORONTO - 366-1166



# DIAMOND DRILL RECORD

NAME OF PROPERTY MARTONA MINE  
 HOLE NO. M00-20 SHEET NO. 7

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH IDES	FOOTAGE		%	Au			
					FROM	TO		TOTAL	ppb	oz./TON	oz./TON
234.0	236.0	Shear Zone; graphitic; gtz stringer @ 50°; pyrite 1-2% ; partially ground.	447	1	234.0	236.0	2.0		3107	.090	
236.0	248.0	Intermediate Volcanic; partially fragmental; fig; dk gn to gy gn; wispy gy wh gtz carb veins; shear gtz veins @ 45°; trace pyrite; trace fuchsite on vein edges.									
248.0	280.0	Trachyte; purple to gy gn; vit. fig; hard w bands of chert-like material, also porphyry; shearing evident throughout @ 45°; some sections altered to yellowish serpentine-like rock (much softer); occasional sharp gtz-carb vein @ 80°; scarce pyrite as replacement clusters and along shear planes;									
280.0	350'	Intermediate Volcanic; gn to dk gn; fig; occasional wispy gtz-carb stringer; sections show epidote replacement alteration over 1-2 feet; appears to be gtz-carb veins @ 20-30° and 45°; pyrite occurs as blossomy intergrowths and disseminated throughout epidote altered sections. Basal portion w purpleish gy gtz-carb veins @ 45°; trace py. @ 293.8-295.0 Epidote altered zone, 1% pyrite as blotches.	448	1	293.8	295.9	2.0			.002	

END Hole @ 350'

IW

B.L.

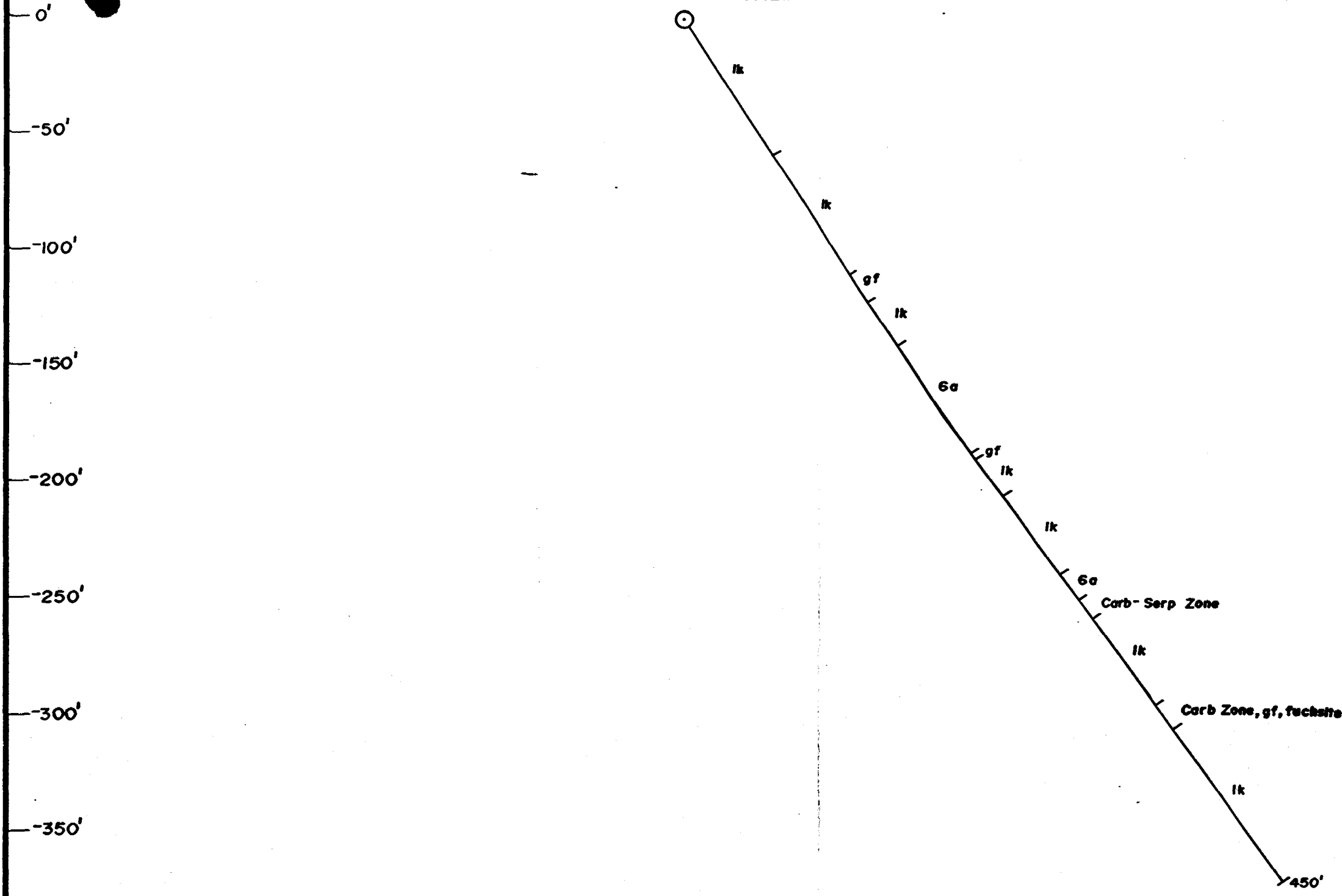
1E

2E

3E

4E

M88-18-095E x 1550 S



EGO RESOURCES LIMITED

MATONA PROJECT  
OF  
ASQUITH RESOURCES INC.  
DRILL SECTION  
facing north

J.L. TINDALE & ASSOCIATES INC.

SECTION: 1550S

# DIAMOND DRILL RECORD

NAME OF PROPERTY MATONA MINE  
 HOLE NO. M08-21 LENGTH 291'  
 LOCATION CENTRAL HARE CREEK  
 LATITUDE 1430E DEPARTURE 740S  
 ELEVATION -20' AZIMUTH 82° DIP -45°  
 STARTED FEB. 3/89 FINISHED FEB. 4/89

FOOTAGE	DIP	AZMUTH	FOOTAGE	DIP	AZMUTH

HOLE NO. M08-21 SHEET NO. 1

REMARKS ALAN CASFEL  
CASING PULLED  
BQ CORE

LOGGED BY J.L. TINDALE

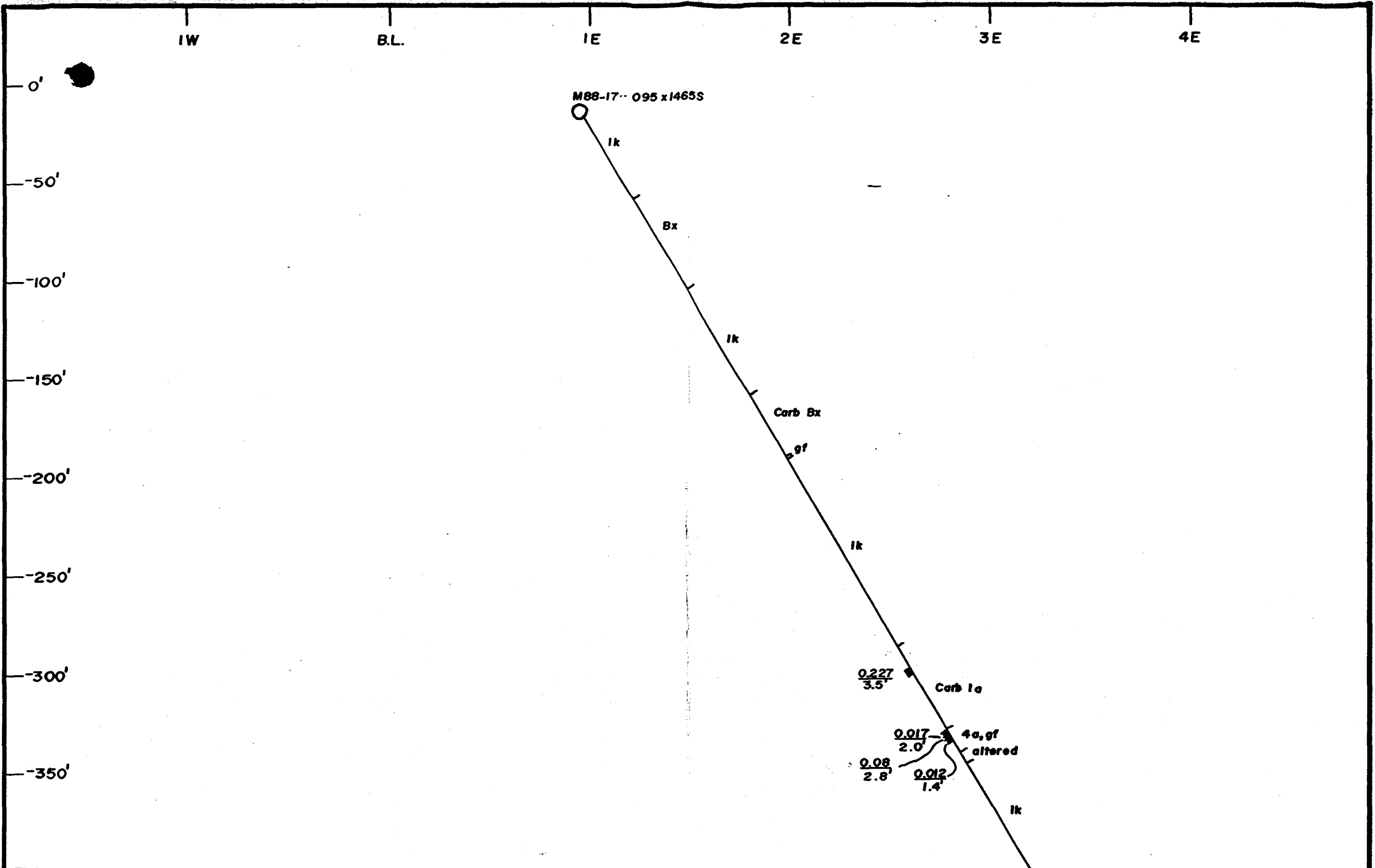
FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
0	4	CASING									
4.0	94.0	TRACHYTE; maroon to purplish gy to gn; fig; dense and massive; grades inward out colour-wise; numerous hair-line stringers randomly oriented filled with gte-calc; occasional strong gte-calc veins up to 2" @ 90° to 60°; pyrite as cubes along veins and disseminated along fractures; occasional salmon pink celestite veins @ 45°; minor zones of serpentine alteration along veins;  @ 6.4-7.4 3" banded gte-calc veins @ 90° w/ pyrite along partings and disc. in well rock, rusty.  @ 79.3-83.4 Bx zone; fragmented purplish gn trachyte w/ serp along shear planes @ 45°, pyrite cubes disseminated tr.  @ 83.4-85 As above w/ 2" banded gte-calc vein @ 20°	449	1	6.4	7.4	1.0			.026	
			450	<1	79.3	83.4	4.1			.003	
			451	<1	83.4	85.0	1.6			.008	
94.0	291.0	Trachy-Basalt; f. to m. gr; gn to reddish gn; red feldsp. intergrowths throughout internal given; reddish calc to core; massive; dense; rare gte-calc veins and wispy veinlets; occasional zones of epidote alteration; also bright green serpentine around veins;									

LANGRICES - TORONTO - 366-1168

# DIAMOND DRILL RECORD

NAME OF PROPERTY MATANA  
 HOLE NO. M88-21 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	OZ./TON	OZ./TON
					FROM	TO	TOTAL				
		@ 117.8 - 116 Sheared trachyte w bx, soapstone shales, trace py.	452	<1	117.8	116.0	3.2			.001	
		@ 116.0 - 118.0 Sheared, w bands of dk gy gtz @ 90°, pyrite cubes along edges;	453	<1	116.0	118.0	2.0			.001	
		@ 118.0 - 121.5 Sheared w 2 irregular veins of gtz, white, w very bright gn. serpentine.	454	<1	118.0	121.5	3.5			.001	
		@ 175.4 5" wh, gy gtz w serpentine fibers along vein borders @ 45°, tr. ep, py. No sample.									
		* NOTE: This appears to be same unit as in base of Hole M88-20 : Fr. grades to purple trachyte.									
		@ 245.4 - 248.9 Bleached trachyte, fractured, infilled w gn. chlorite, celestite; pyrite.	455	<1	245.4	248.9	3.5			.001	
		NOTE: @ 291 ± struck rods, lost remaining shell. Stopped hole and moved.  End Hole @ 291'									
		N.B. Hole could have been placed in front of zone; gtz-cb. serpentine shen similar to mineralized zone found to be west of drill set-up by ~ 30'. KHF Feb 27/89.									



SECTION:1450S

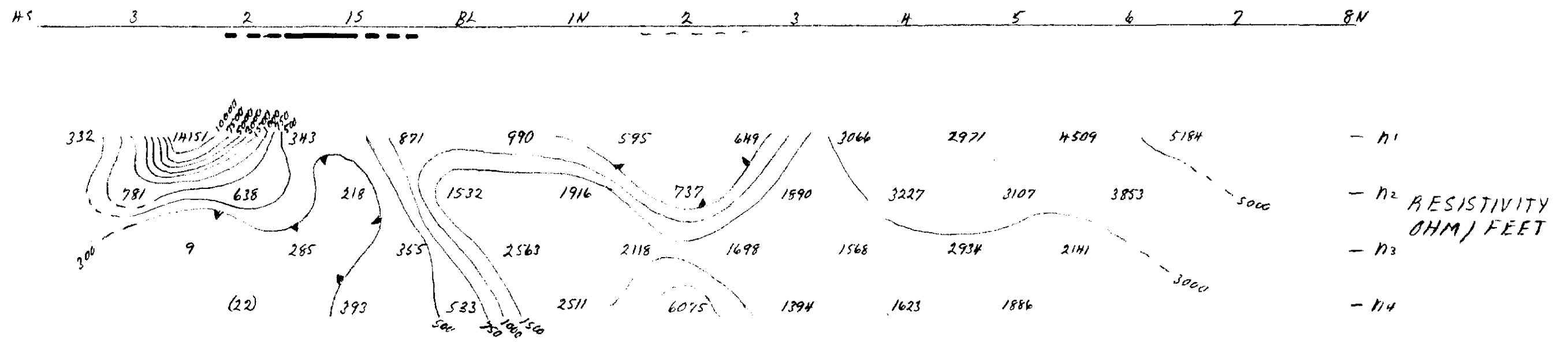
EGO RESOURCES LIMITED

MATONA PROJECT  
OF  
ASQUITH RESOURCES INC.  
DRILL SECTION  
facing north

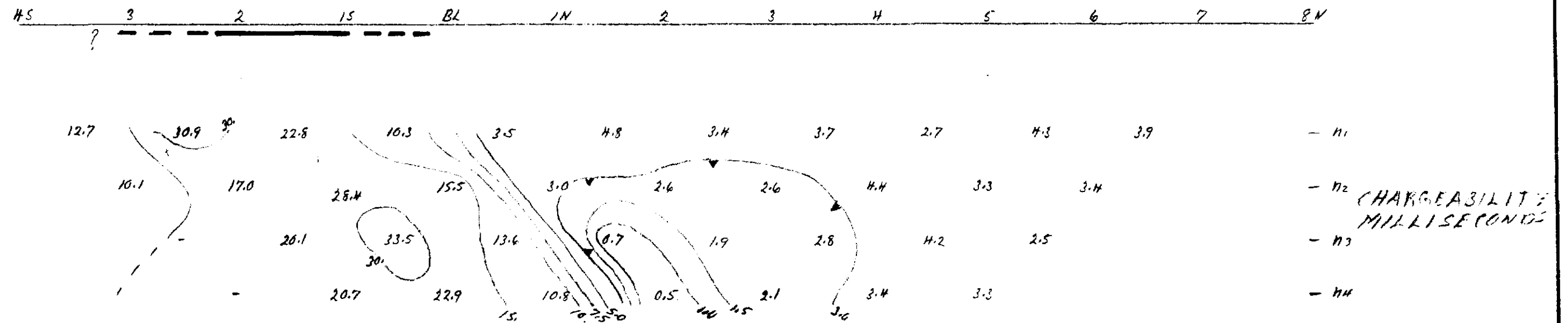
J.L. TINDALE & ASSOCIATES INC.

OM 88-53  
63-5453

Time Domain I.P. Survey  
delay time: 240 Ms  
int. time: 100 Ms  
dipole-dipole array  
'a' spacing = 100 feet

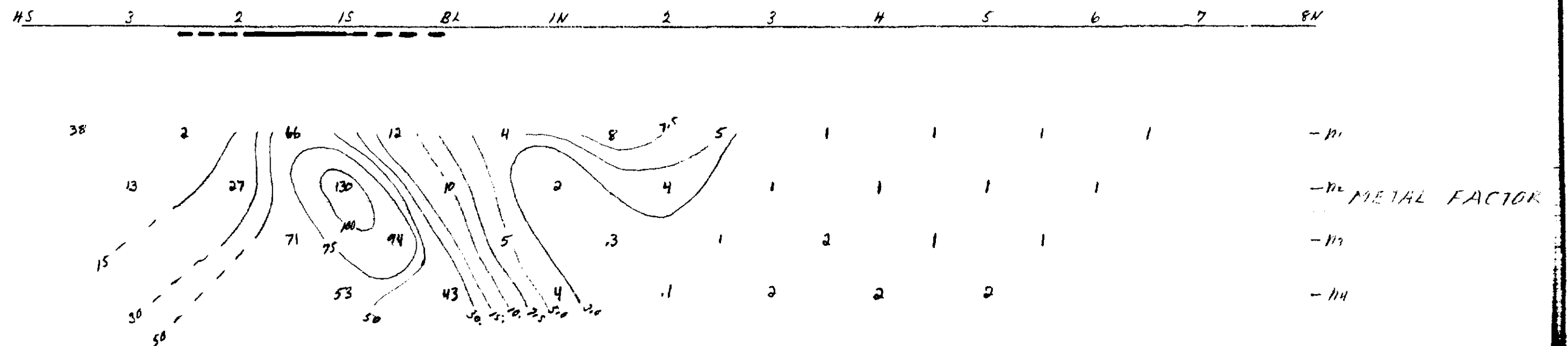


Line 6+00 W



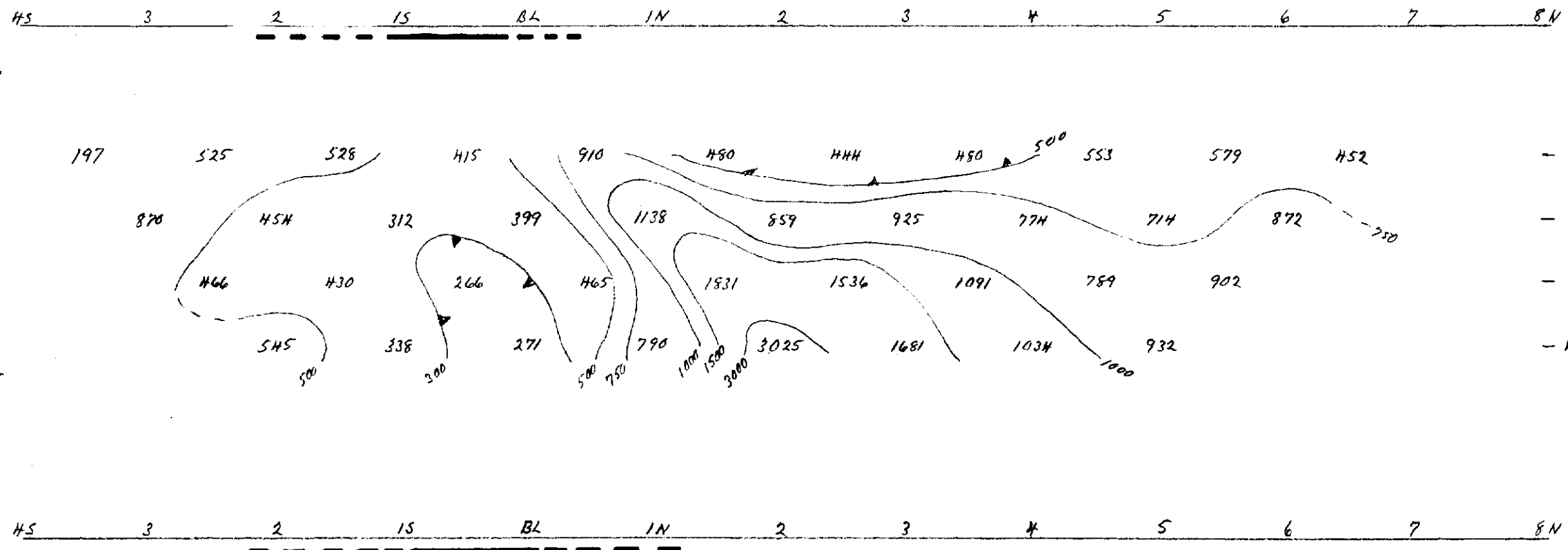
Asquith Resources Inc.  
Matona Mine Property  
Tyrrell Township  
Ontario

1" = 100'



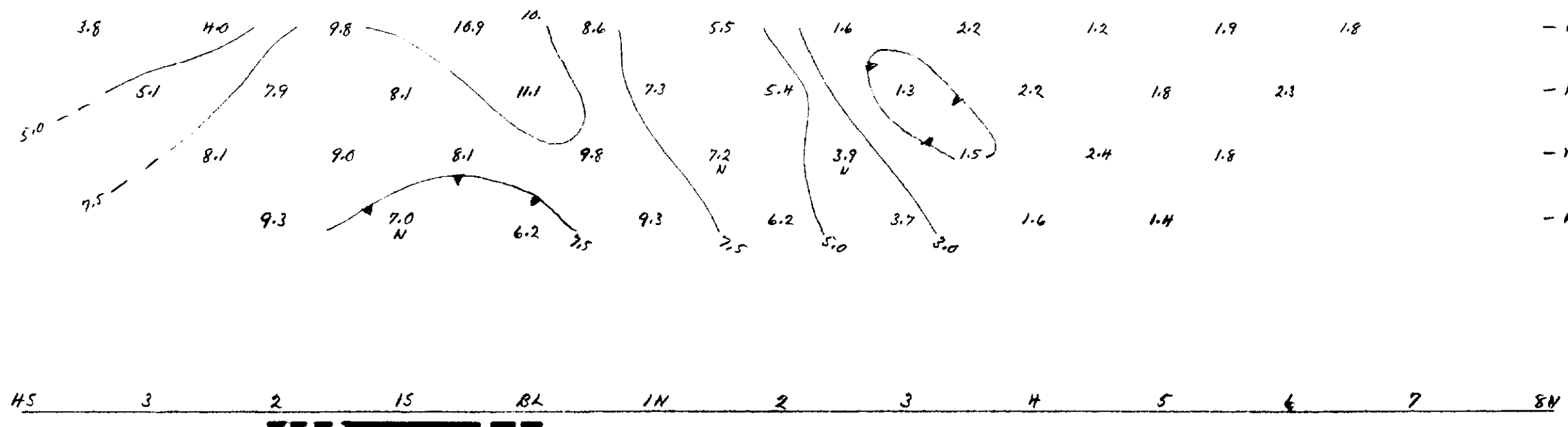
OM 88-53  
63-5453

Time Domain I.P. Survey  
delay time: 240 Ms  
Int. time: 100 Ms  
dipole-dipole array  
e spacing = 100 feet.



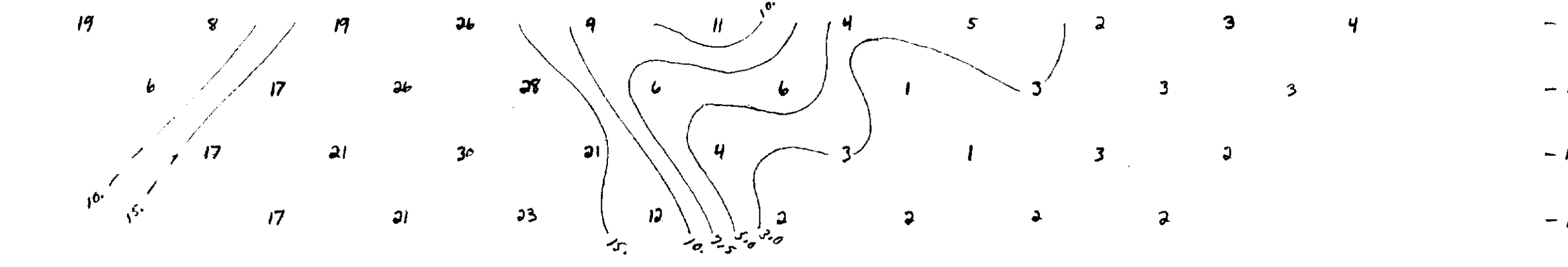
- n1  
- n2 RESISTIVITY  
OHM/ FEET  
- n3  
- n4

Line 8:00W



- n1  
- n2 CHARGEABILITY  
MILLISECOND  
- n3  
- n4

Asquith Resources Inc.  
Matona Mine Property  
Tyrrell Township  
Ontario  
1" = 100'

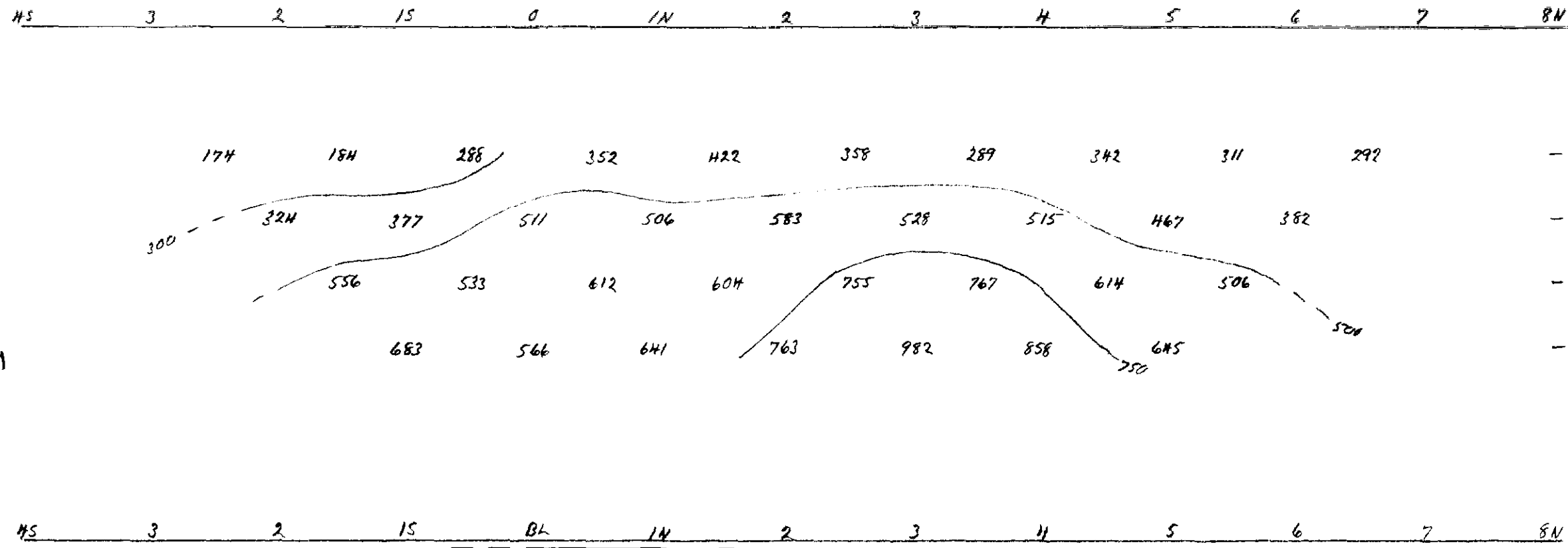


- n1  
- n2 METAL FACTOR  
- n3  
- n4

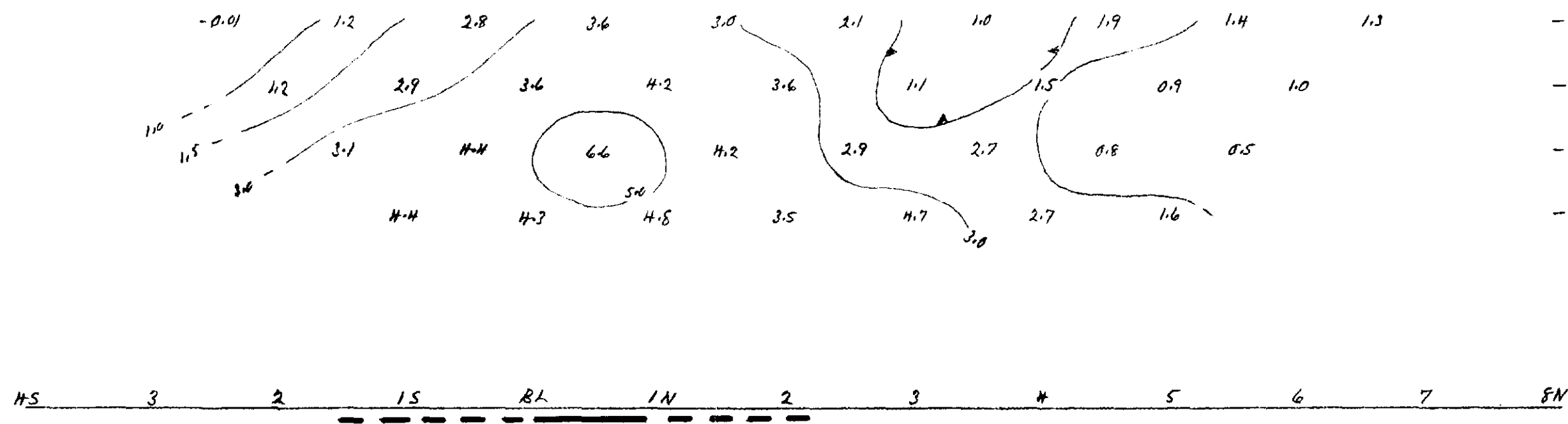


OM 88-53  
63.5453

Time Domain I.P. Survey  
delay time: 240 Ms  
int. time: 100 Ms.  
dipole-dipole array  
spacing = 100 feet

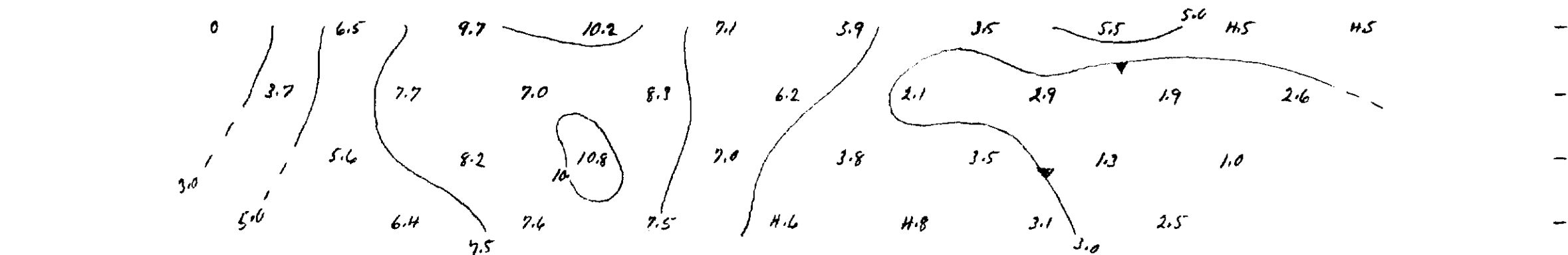


Line 10+00W



Asquith Resources Inc.  
Matona Mine Property  
Tyrrell Township  
Ontario

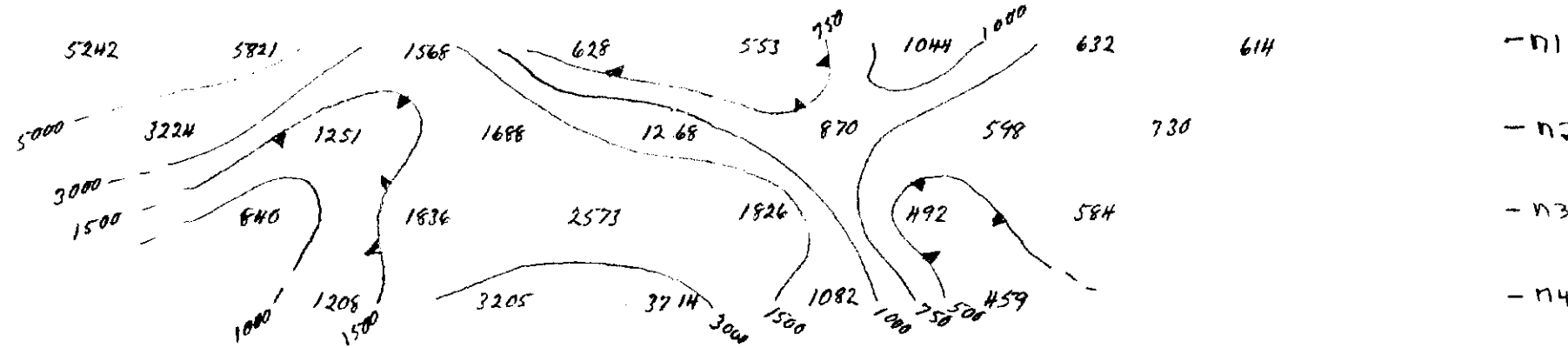
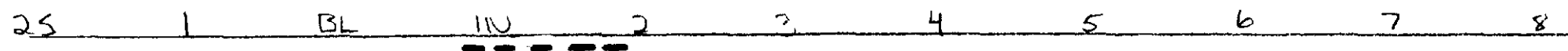
1" = 100'



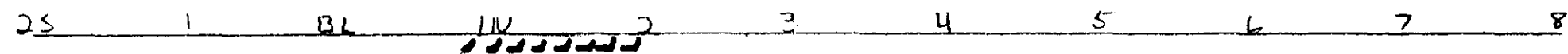


OM 88-53  
63.5453

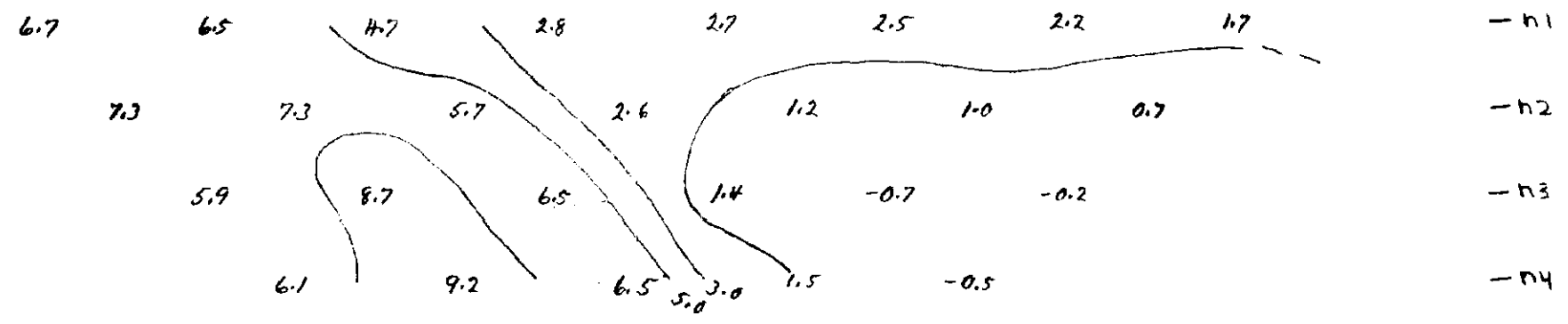
Time Domain I.P. Survey  
delay time: 240 Ms  
int. time: 100 Ms  
dipole-dipole array  
'a' spacing = 100 feet



RESISTIVITY  
OHM/FEET



Line 18+00W

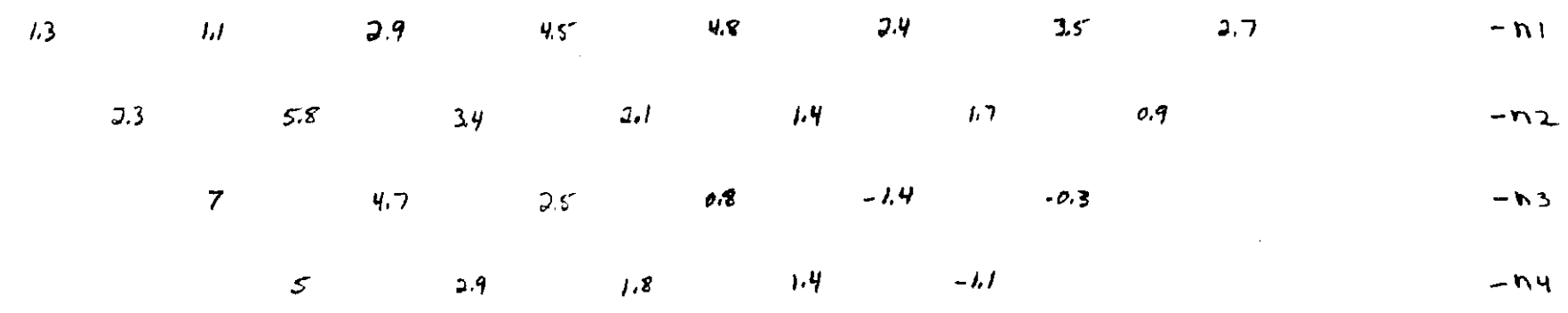


CHARGEABILITY  
MILLISECONDS



Asquith Resources Inc.  
Matona Mine Property  
Tyrrell Township  
Ontario

1" = 100'

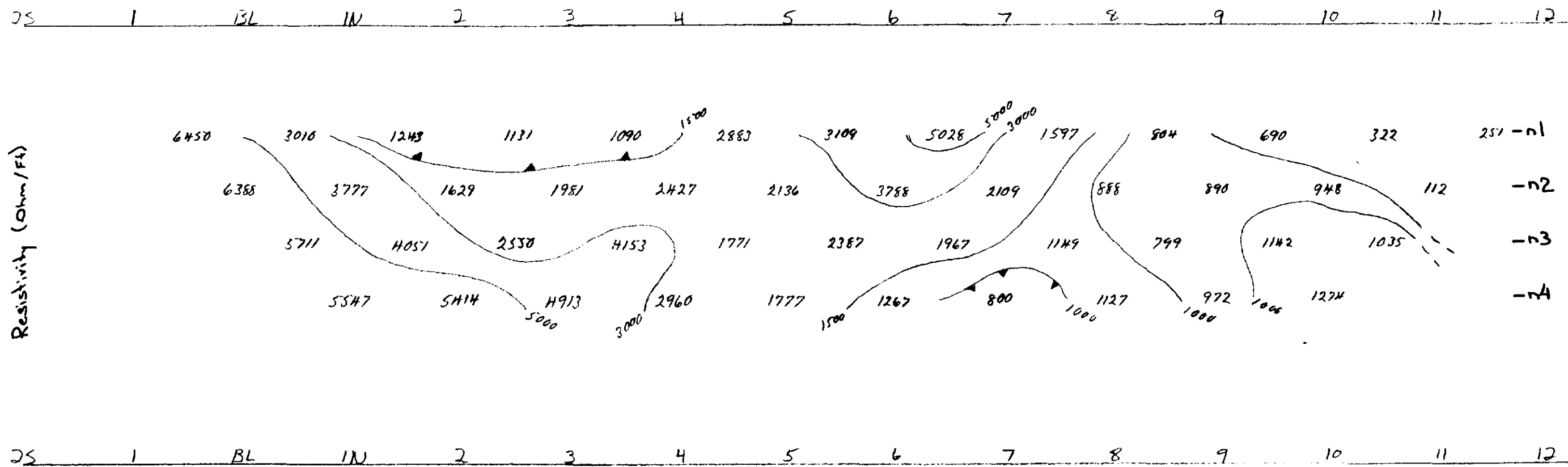


METAL FACTOR

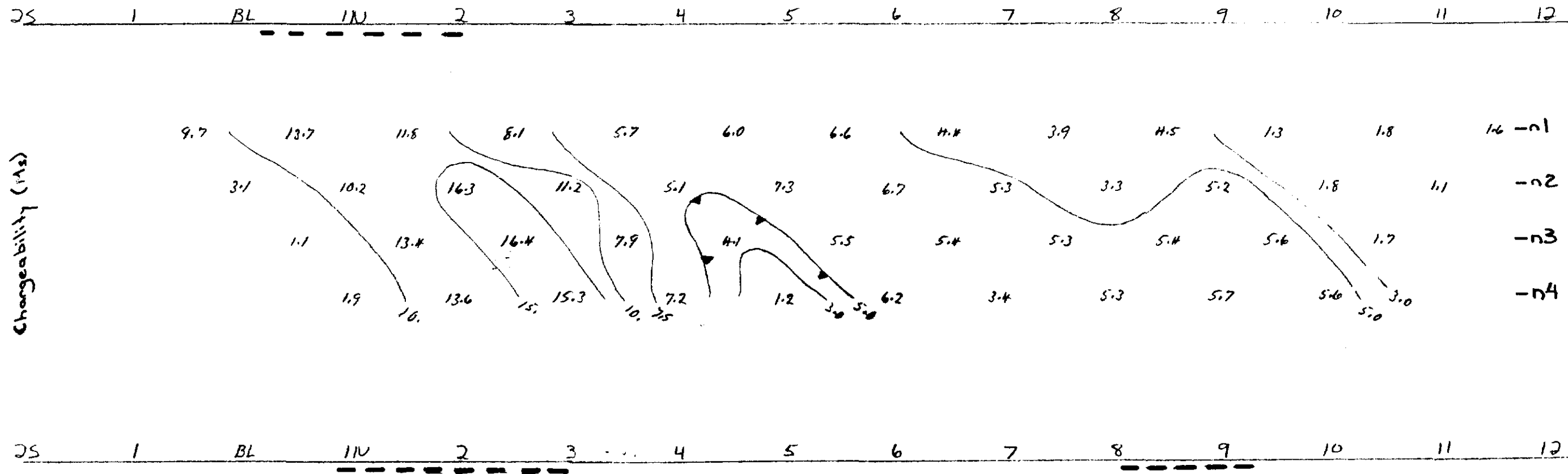


OM 88-53  
63.5453

Time Domain I.P. Survey  
delay time: 240 Ms  
int. time: 100 Ms  
dipole-dipole array  
'a' spacing = 100 feet

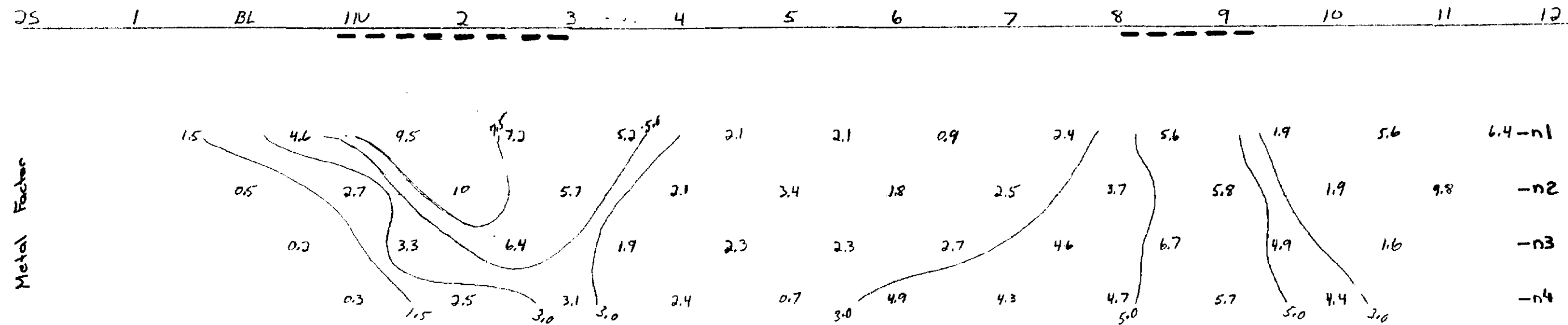


Line 20+00W



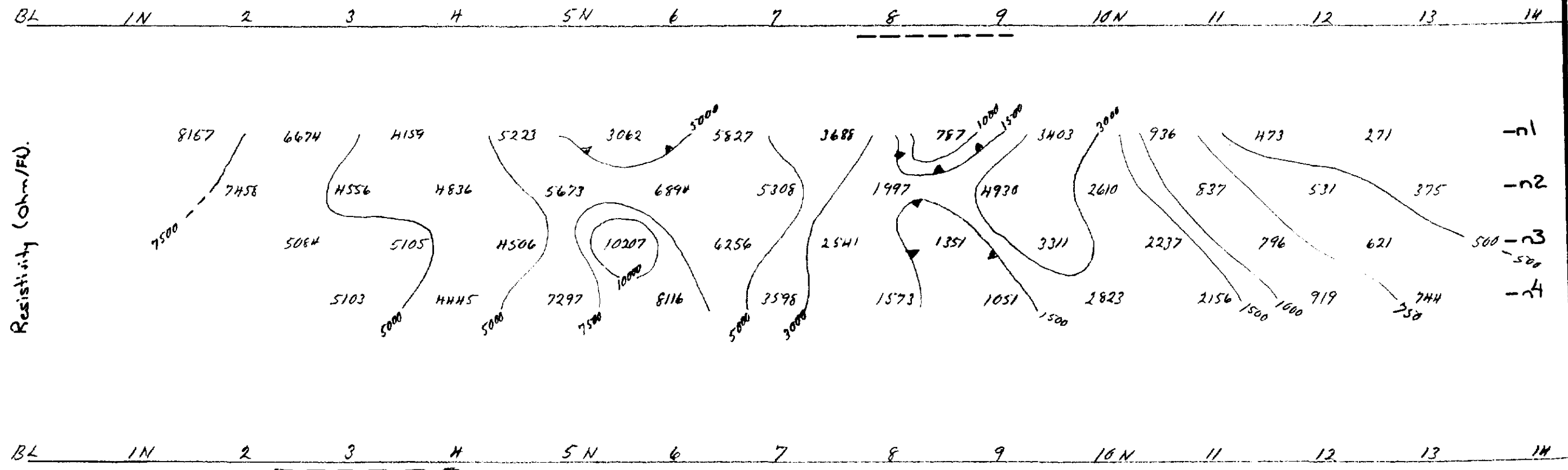
Asquith Resources Inc.  
Matona Mine Property  
Tyrrell Township  
Ontario

1" = 100'

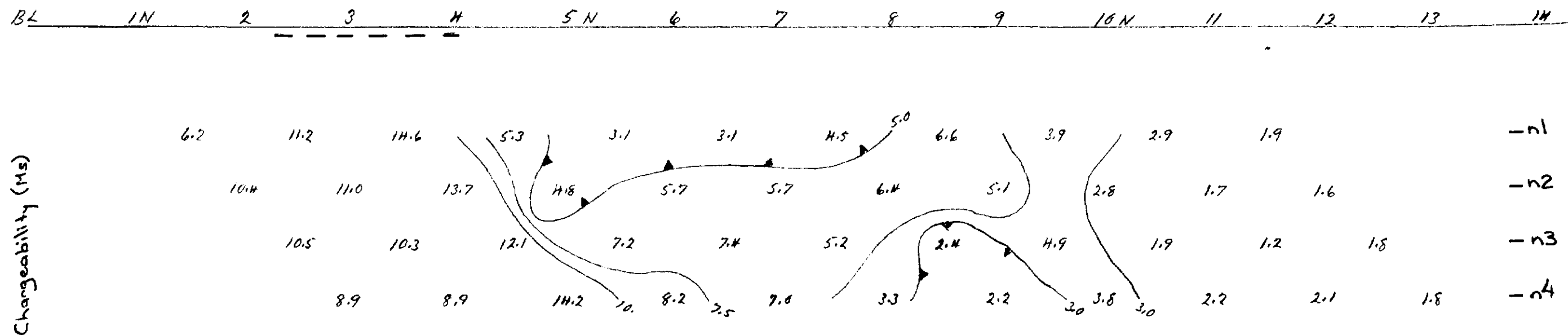


OM 88-53  
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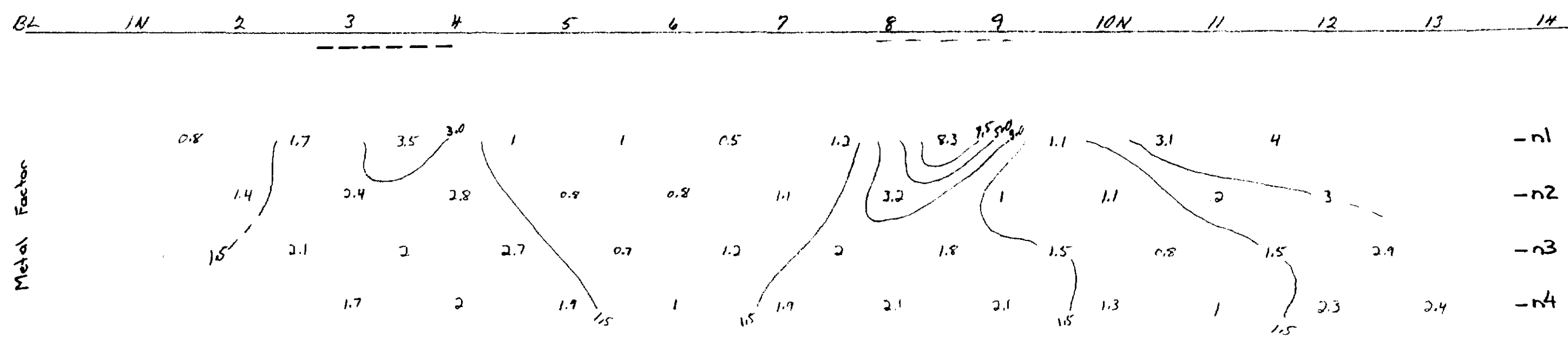
Time Domain I.P. Survey  
delay time: 240 Ms  
int. time: 100 Ms  
dipole-dipole array  
'a' spacing = 100 feet



Line 22.00W

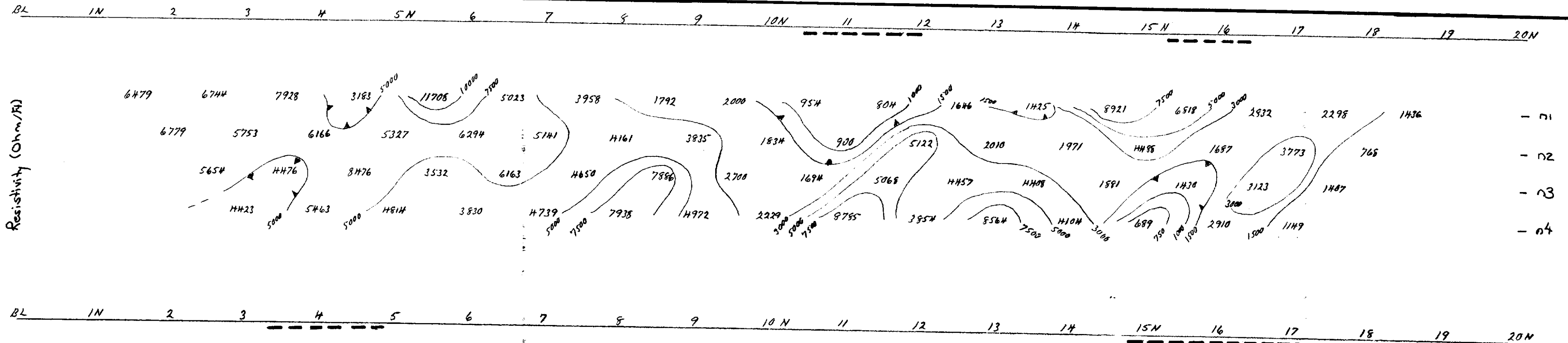


Asquith Resources Inc.  
Matona Mine Property  
Tyrrell Township  
Ontario  
1" = 100'

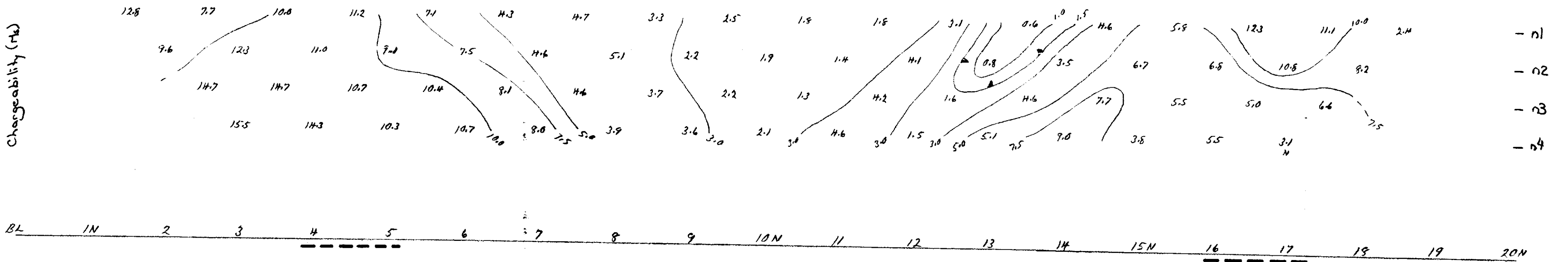


OM 88-53  
63.5453

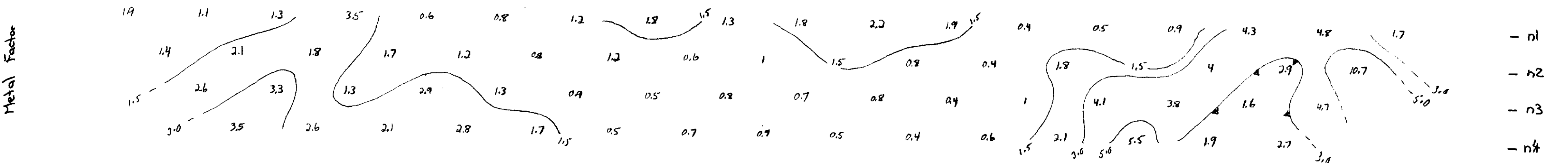
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delay time: 240 Ms  
int. time: 100 Ms.  
dipole-dipole array  
a' spacing = 100 feet



Line 24.00W



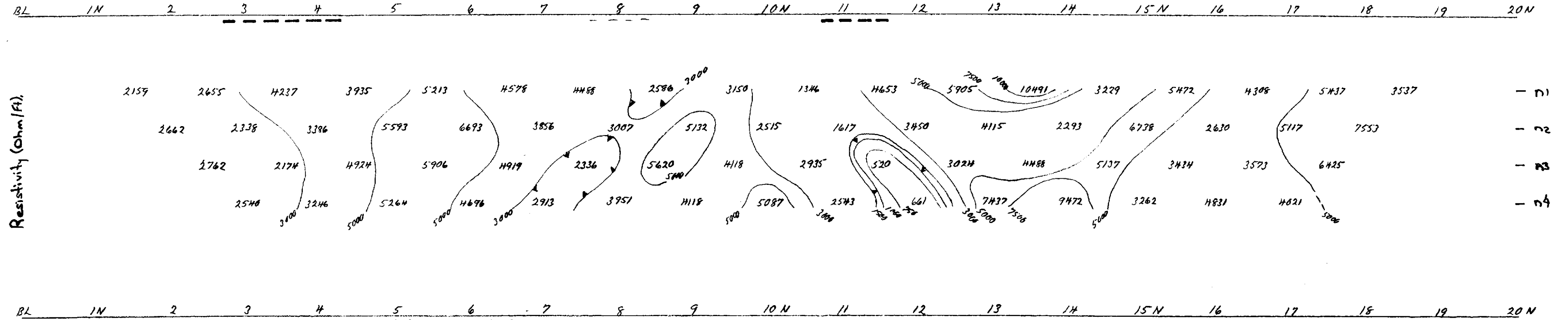
Asquith Resources Inc.  
Matona Mine Property  
Tyrrell Township  
Ontario  
1" = 100'



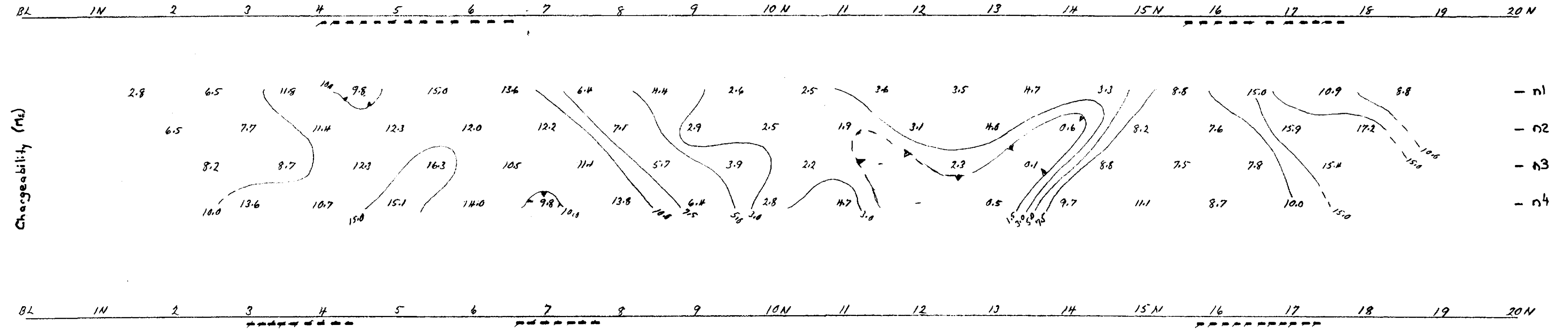


OM 88-53  
63.5453

Time Domain I.P. Survey  
delay time: 240 Ms  
int. time: 100 Ms  
dipole-dipole array  
a spacing = 100 feet

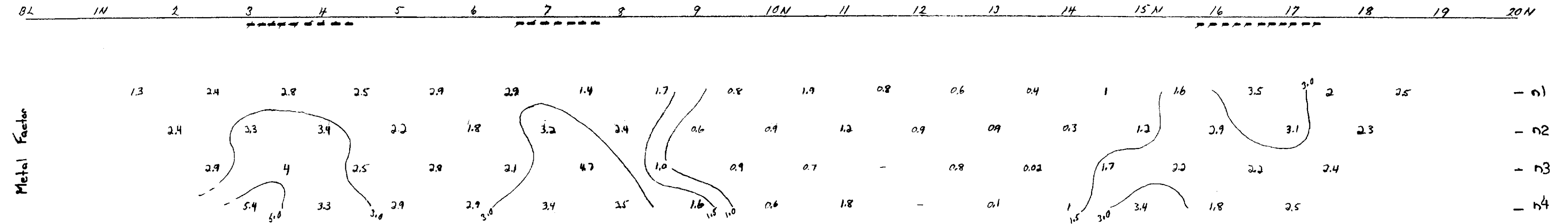


Line 28+00W



Asquith Resources Inc.  
Matona Mine Property  
Tyrrell Township  
Ontario

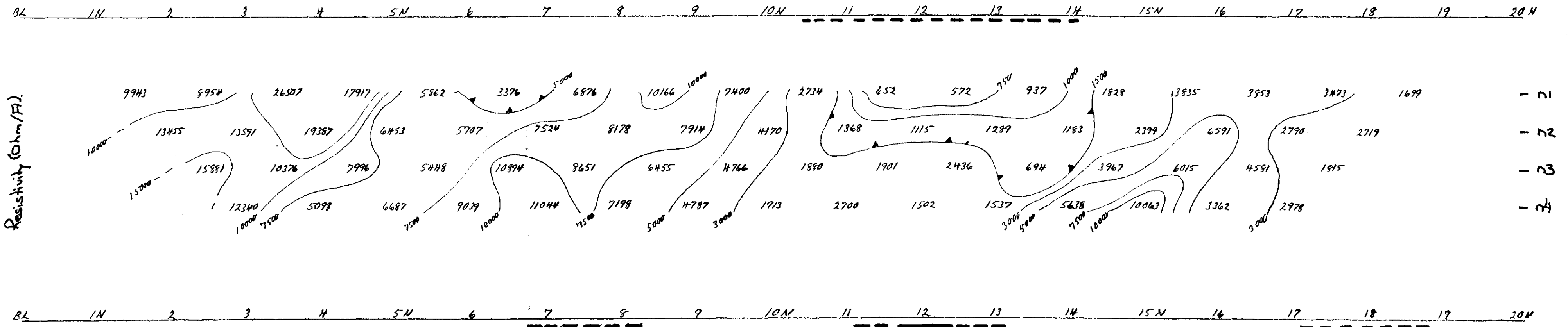
1" = 100'



OM 88-53  
63.5453

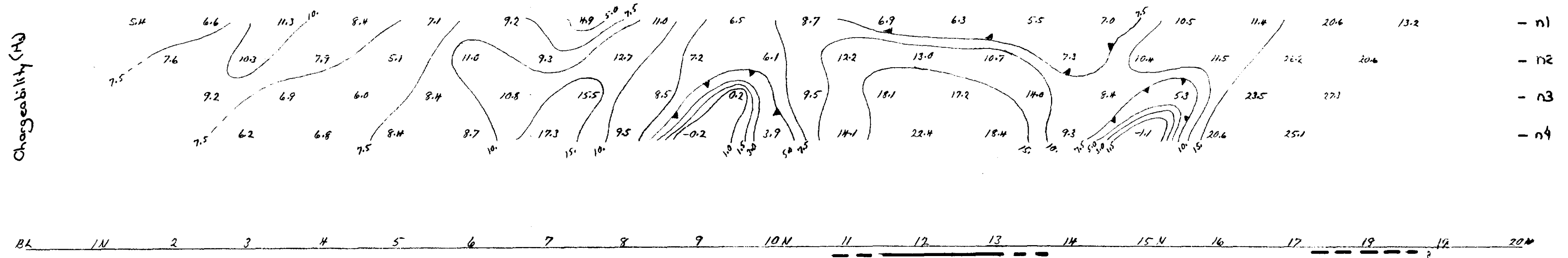
Time Domain I.P. Survey  
delay time: 240 Ms  
int. time: 100 Ms  
dipole-dipole array  
a' spacing = 100 feet

Resistivity (Ohm/Ft)



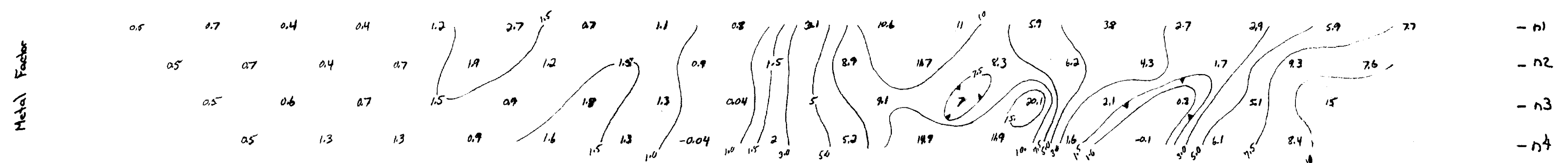
Line 30+00W

Chargeability (Ms)

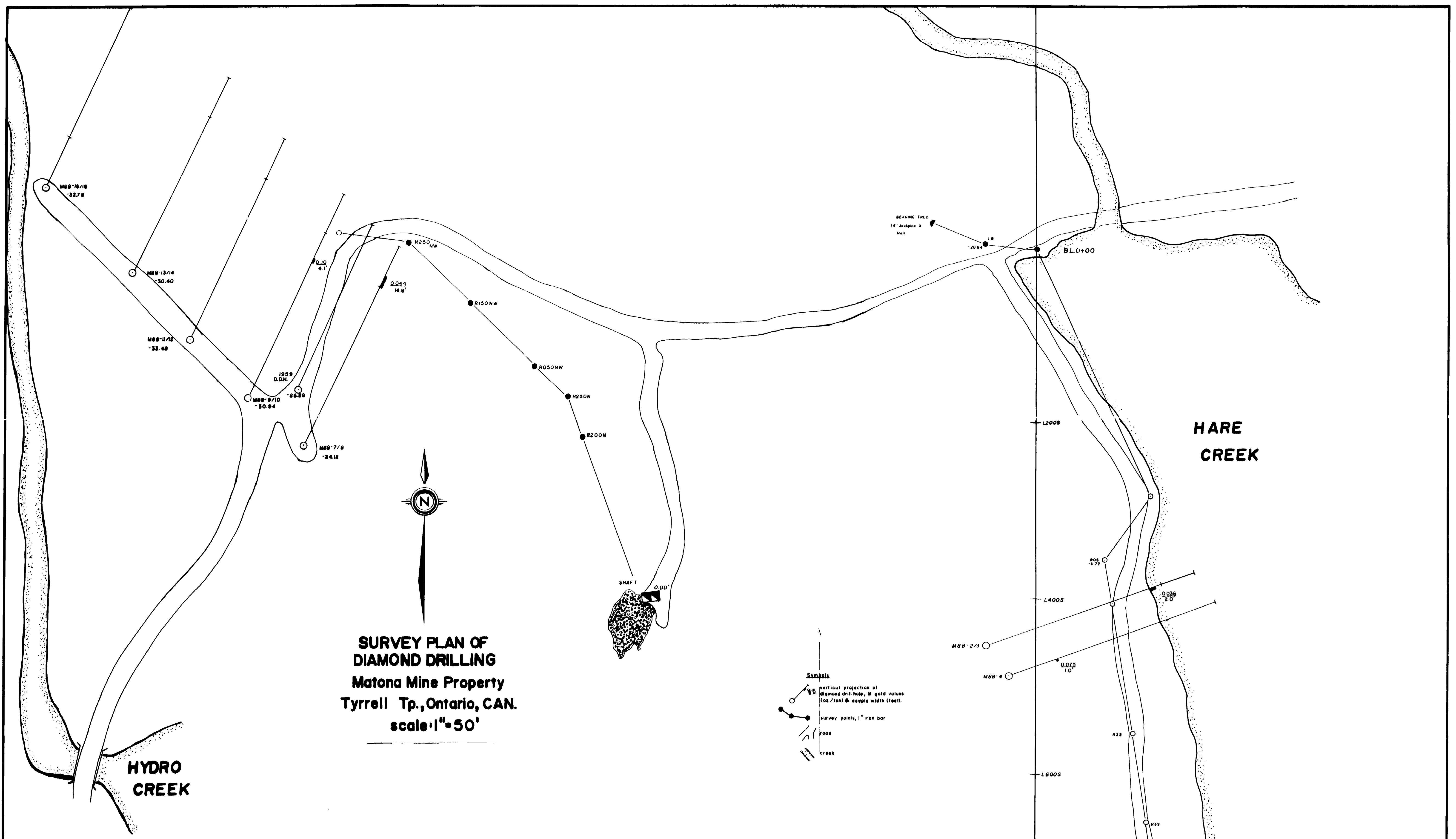


Asquith Resources Inc.  
Matons Mine Property  
Tyrrell Township  
Ontario  
1" = 100'

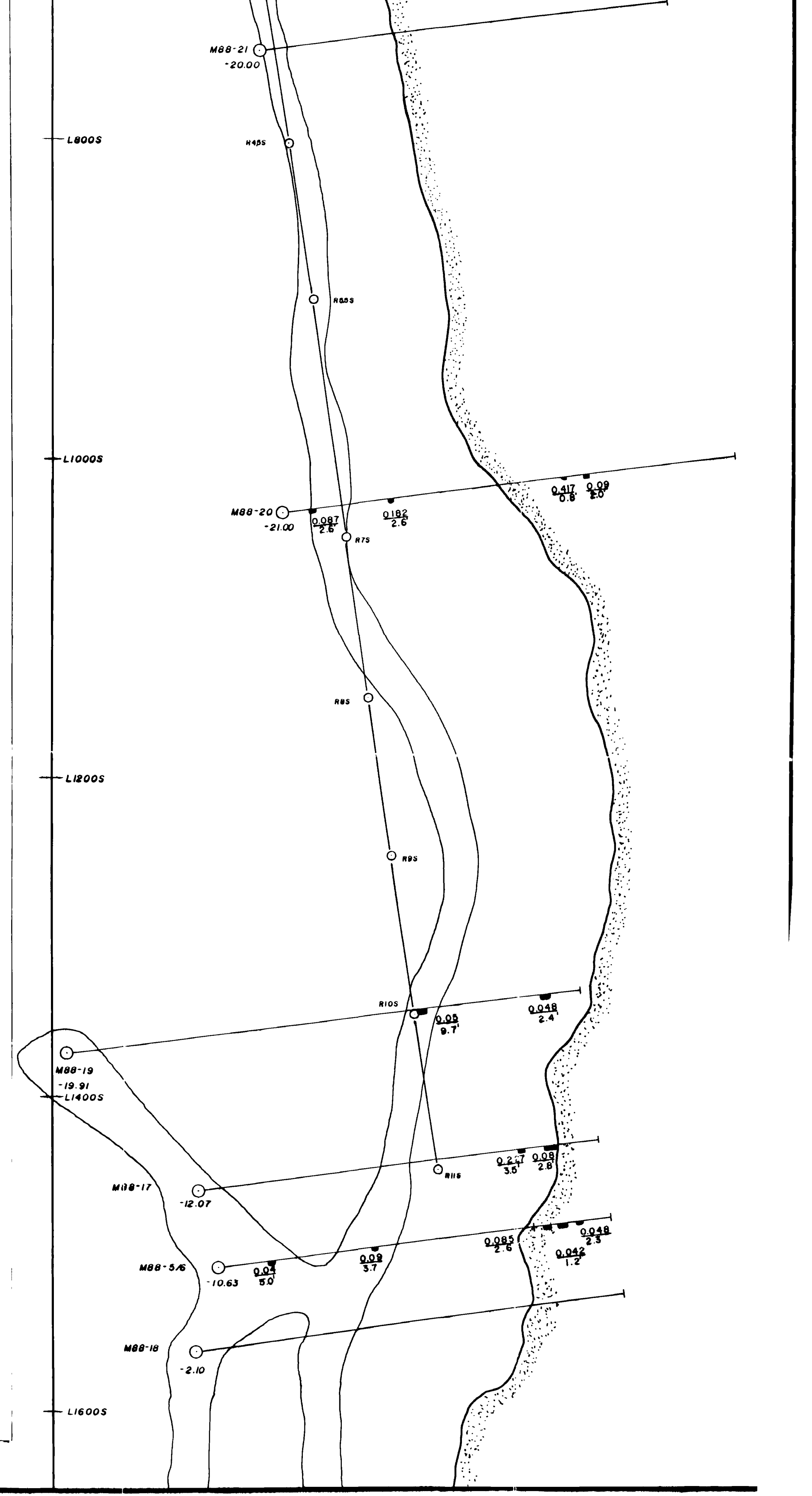
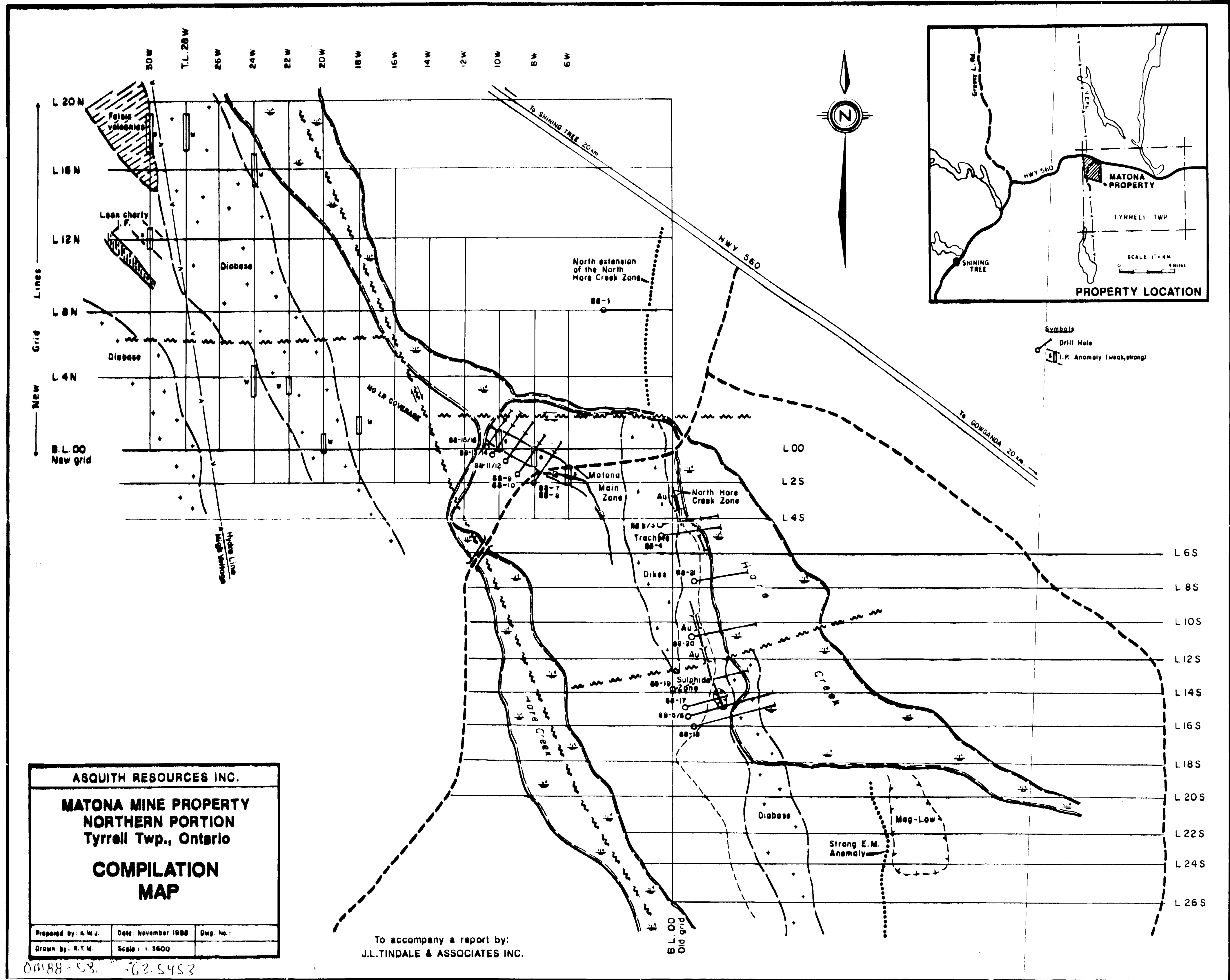
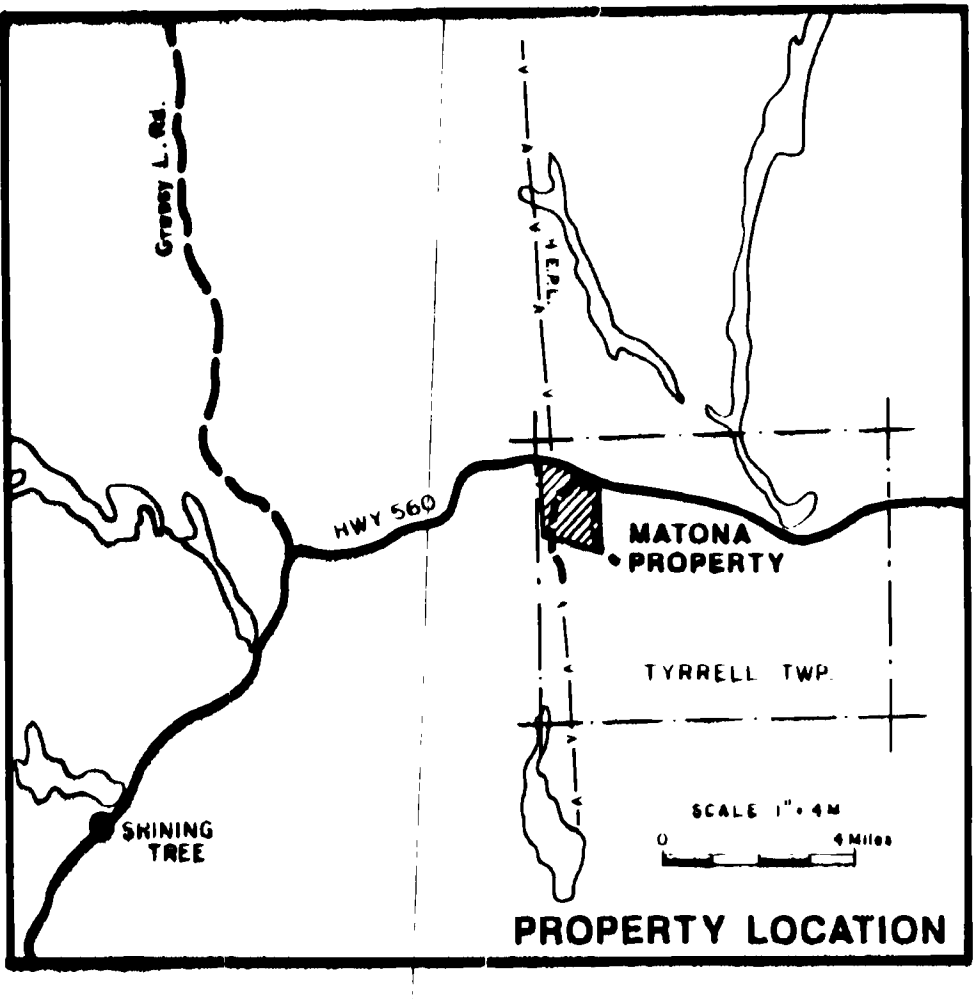
Metal Factor



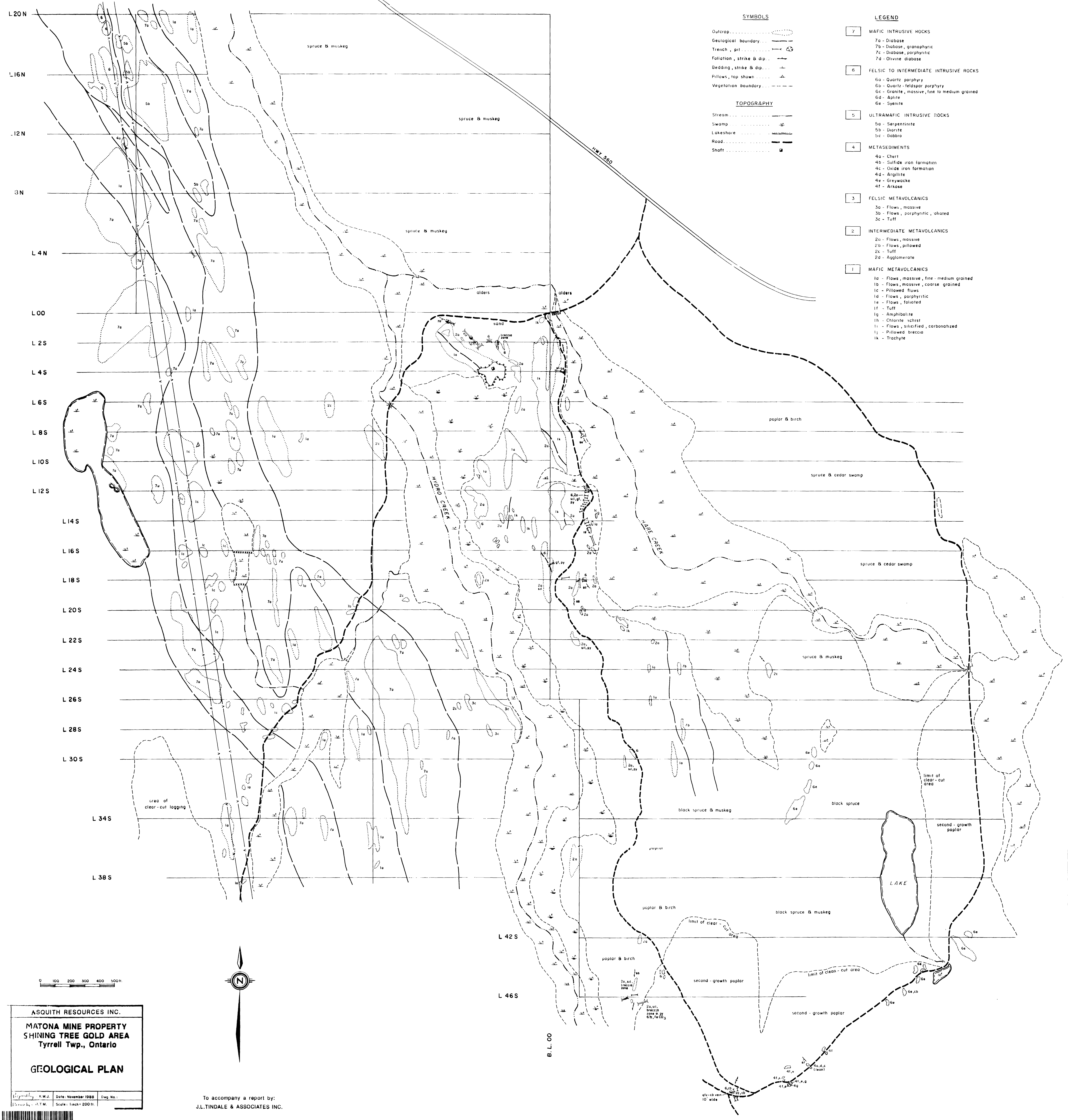
41P11NE0409 63.5453 TYRRELL



**SURVEY PLAN OF  
DIAMOND DRILLING  
Matona Mine Property  
Tyrrell Tp., Ontario, CAN.  
scale 1"=50'**







**SYMBOLS**

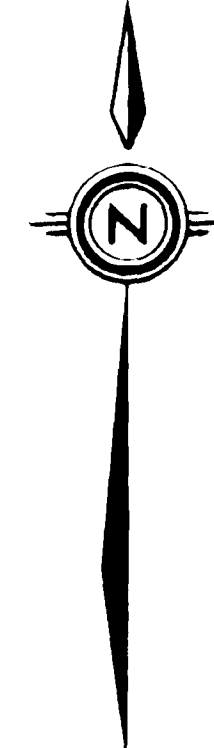
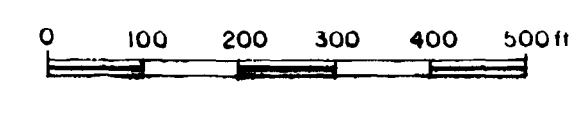
- Outcrop.....
- Geological boundary.....
- Trench, pit.....
- Foliation, strike & dip.....
- Bedding, strike & dip.....
- Pillows, top shown.....
- Vegetation boundary.....

**TOPOGRAPHY**

- Stream.....
- Swamp.....
- Lakeshore.....
- Road.....
- Shaft.....

**LEGEND**

- 7** MAFIC INTRUSIVE ROCKS
  - 7a - Diabase
  - 7b - Diabase, granophytic
  - 7c - Diabase, porphyritic
  - 7d - Olivine diabase
- 6** FELSIC TO INTERMEDIATE INTRUSIVE ROCKS
  - 6a - Quartz porphyry
  - 6b - Quartz-feldspar porphyry
  - 6c - Granite, massive, fine to medium grained
  - 6d - Apatite
  - 6e - Syenite
- 5** ULTRAMAFIC INTRUSIVE ROCKS
  - 5a - Serpentinite
  - 5b - Diorite
  - 5c - Gabbro
- 4** METASEDIMENTS
  - 4a - Chert
  - 4b - Sulfide iron formation
  - 4c - Oxide iron formation
  - 4d - Argillite
  - 4e - Greywacke
  - 4f - Arkose
- 3** FELSIC METAVOLCANICS
  - 3a - Flows, massive
  - 3b - Flows, porphyritic, oliated
  - 3c - Tuff
- 2** INTERMEDIATE METAVOLCANICS
  - 2a - Flows, massive
  - 2b - Flows, pillowed
  - 2c - Tuff
  - 2d - Agglomerate
- 1** MAFIC METAVOLCANICS
  - 1a - Flows, massive, fine-medium grained
  - 1b - Flows, massive, coarse grained
  - 1c - Pillowed flows
  - 1d - Flows, porphyritic
  - 1e - Flows, foliated
  - 1f - Tuff
  - 1g - Amphibolite
  - 1h - Chlorite schist
  - 1i - Flows, silicified, carbonatized
  - 1j - Pillowed breccia
  - 1k - Trachyte



ASQUITH RESOURCES INC.  
 MATONA MINE PROPERTY  
 SHINING TREE GOLD AREA  
 Tyrrell Twp., Ontario

**GEOLOGICAL PLAN**

Prepared by: K.W.A. Date: November 1988 Drawn by: J.L.T.M. Scale: 1 inch = 200 ft. Dwg. No.: 87-14-03

To accompany a report by:  
 J.L. TINDALE & ASSOCIATES INC.

4000E  
3800E  
3600E  
3400E  
3200E  
3000E  
2800E  
2600E  
2400E  
2200E  
2000E  
1800E  
1600E  
1400E  
1200E  
1000E  
800E  
600E  
400E  
200E  
E@0'  
200W  
400W  
600W  
800W  
1000W  
1200W  
1400W  
1600W  
1800W  
2000W  
2200W  
2400W  
2600W  
2800W  
3000W  
3200W  
3400W  
3600W

400E  
3800E  
3600E  
3400E  
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2200E  
2000E  
1800E  
1600E  
1400E  
1200E  
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600E  
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200E  
E@0'  
200W  
400W  
600W  
800W  
1000W  
1200W  
1400W  
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3000W  
3200W  
3400W  
3600W

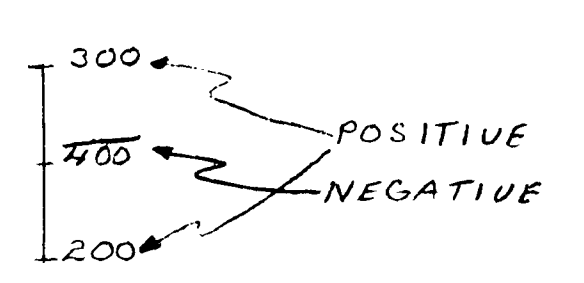
DM88-53 63.5453

ASQUITH RESOURCES INC  
MAGNETOMETER SURVEY

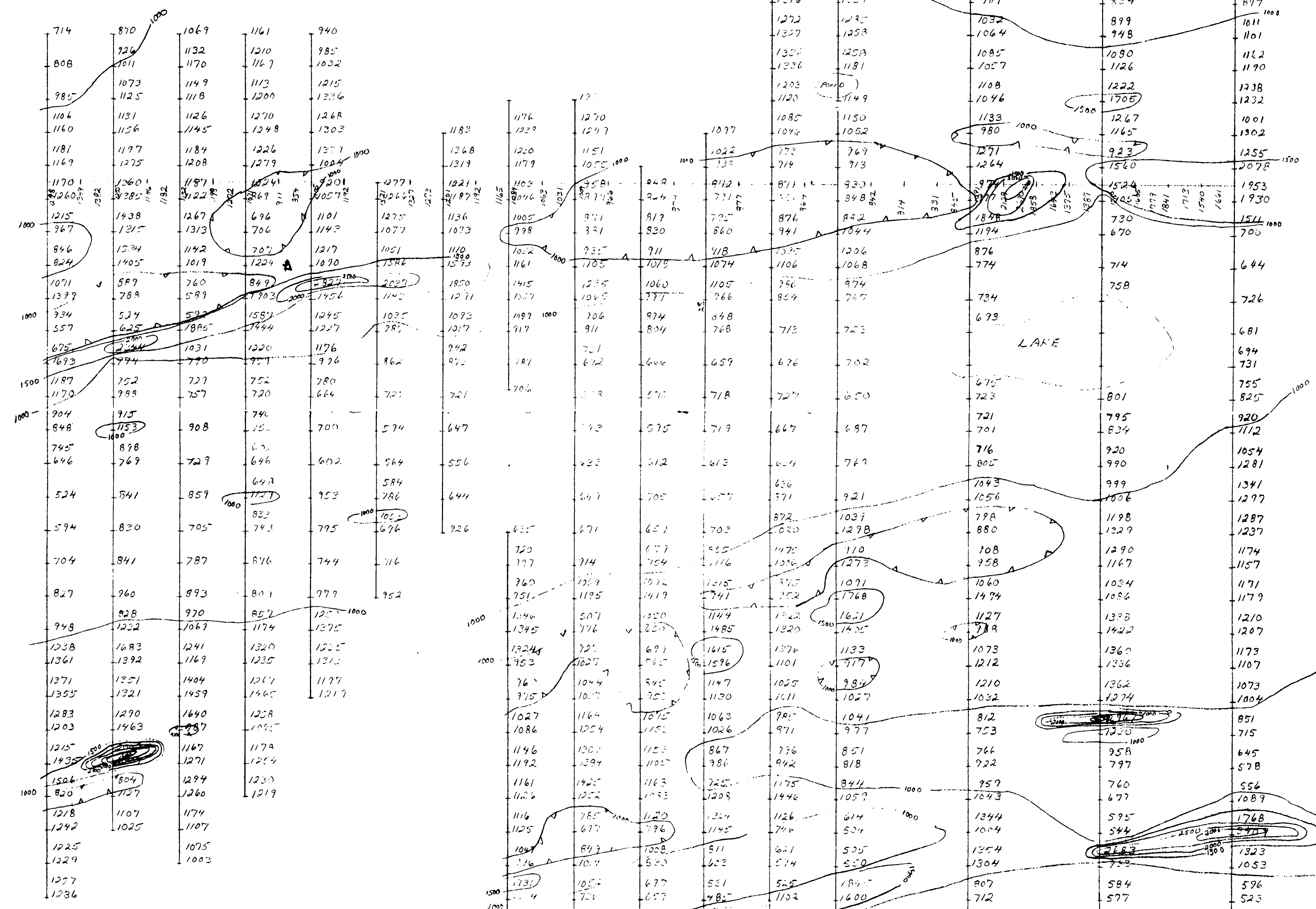
MATONA GOLD PROPERTY  
TYRRELL TWP.  
SHINING TREE GOLD  
AREA, ONT

1" = 200'

J. L. TINDALE + ASSOCIATES.



CONTOUR INTERVAL 500 GAMMAS

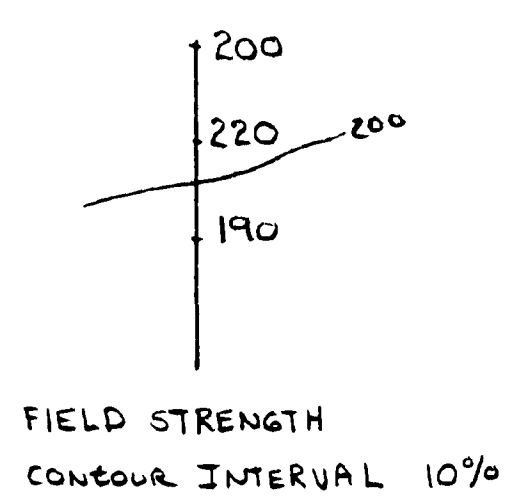




Field Strength  
0M88-53 63-5453

ASQUITH RESOURCES INC  
V.L.F.-EM  
SURVEY  
MATONA GOLD PROPERTY  
TYRRELL TWP  
SHINING TREE GOLD AREA, ONT  
1" = 200'  
J.L. TINDALE AND ASSOCIATES INC

LEGEND



L20+00N

L16+00N

L12+00N

L8+00N

L4+00N

L0+00N

L2+00S

L4+00S

L6+00S

L8+00S

L10+00S

L12+00S

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L16+00S

L18+00S

L20+00S

L22+00S

L24+00S

L26+00S

L28+00S

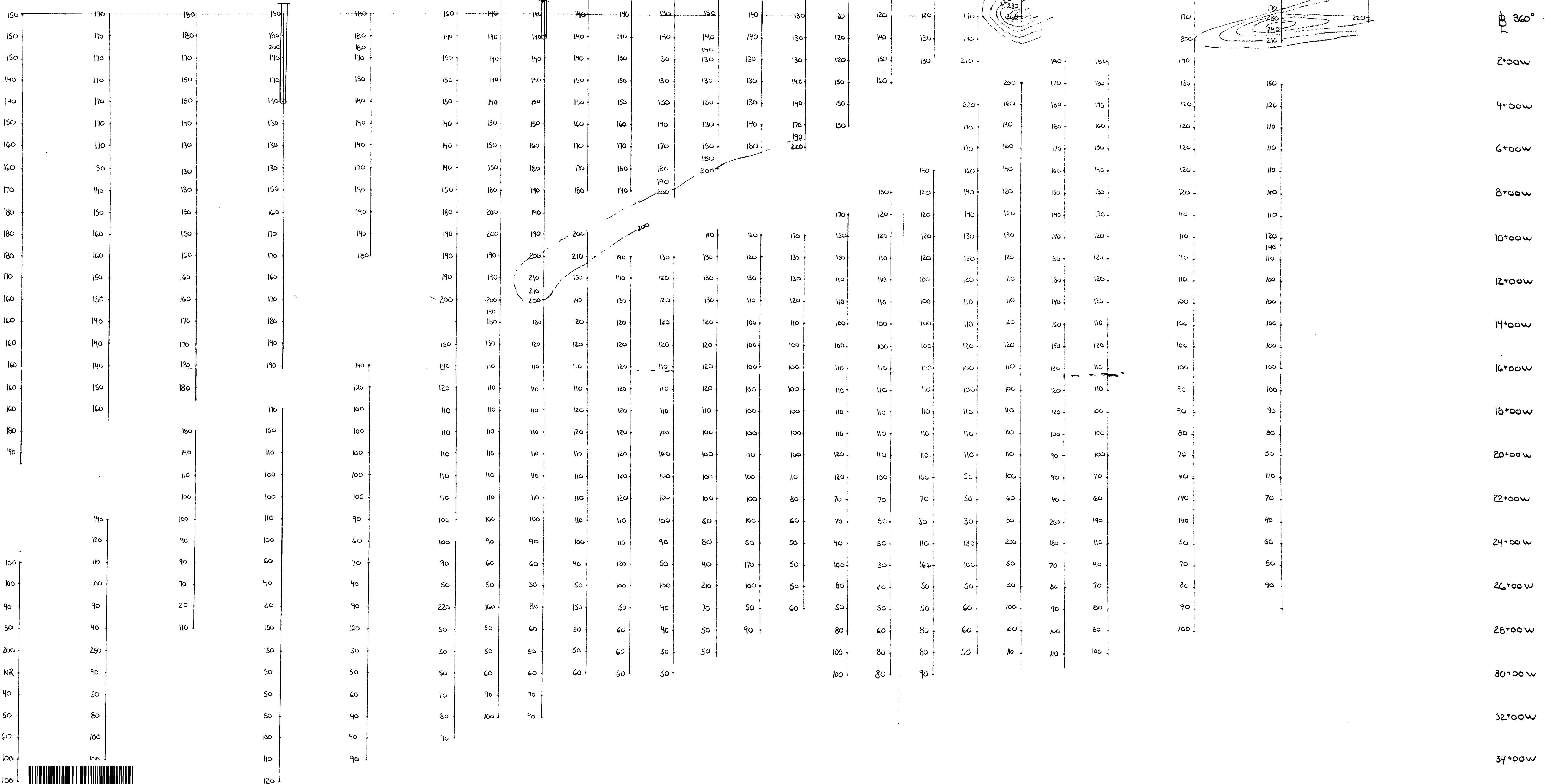
L30+00S

L34+00S

L38+00S

L42+00S

40+00E  
36+00E  
32+00E  
28+00E  
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20+00E  
16+00E  
12+00E  
8+00E  
4+00E  
0+00E  
36+00W  
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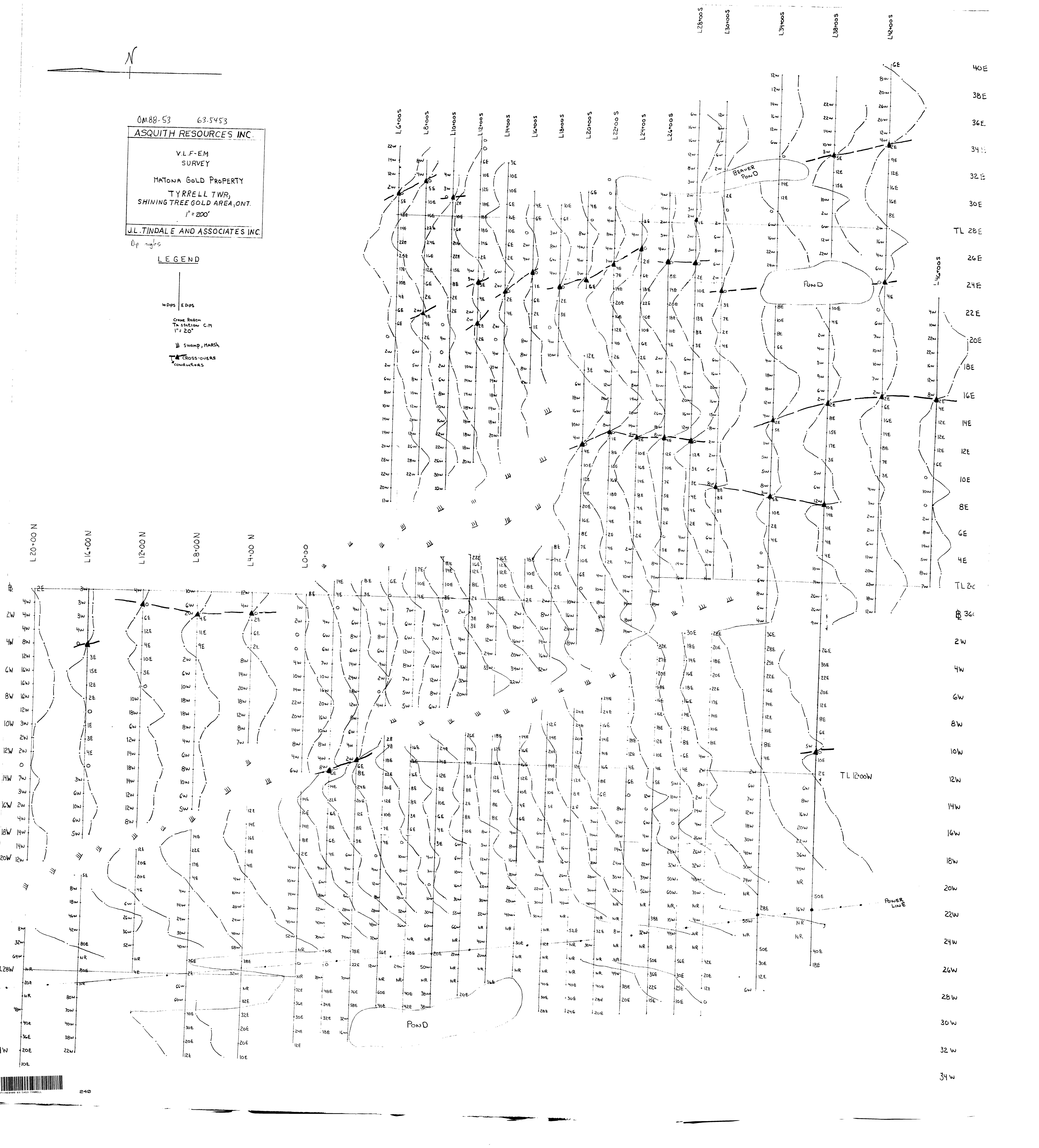
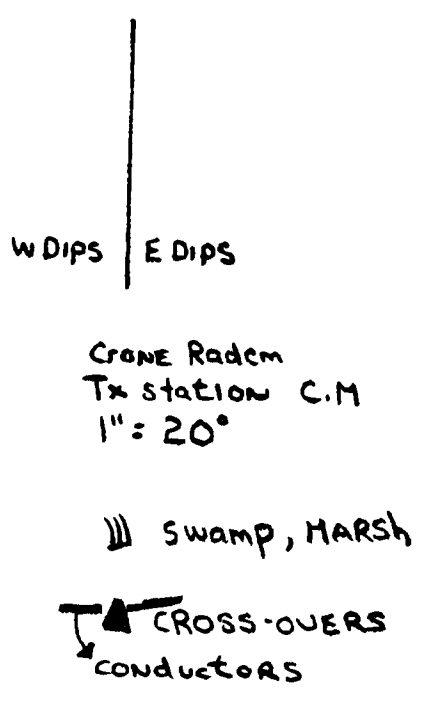


0M88-53 63.5453  
**ASQUITH RESOURCES INC.**  
 V.L.F.-EM  
 SURVEY  
 MATONA GOLD PROPERTY  
 TYRRELL TWP,  
 SHINING TREE GOLD AREA, ONT.  
 1" = 200'

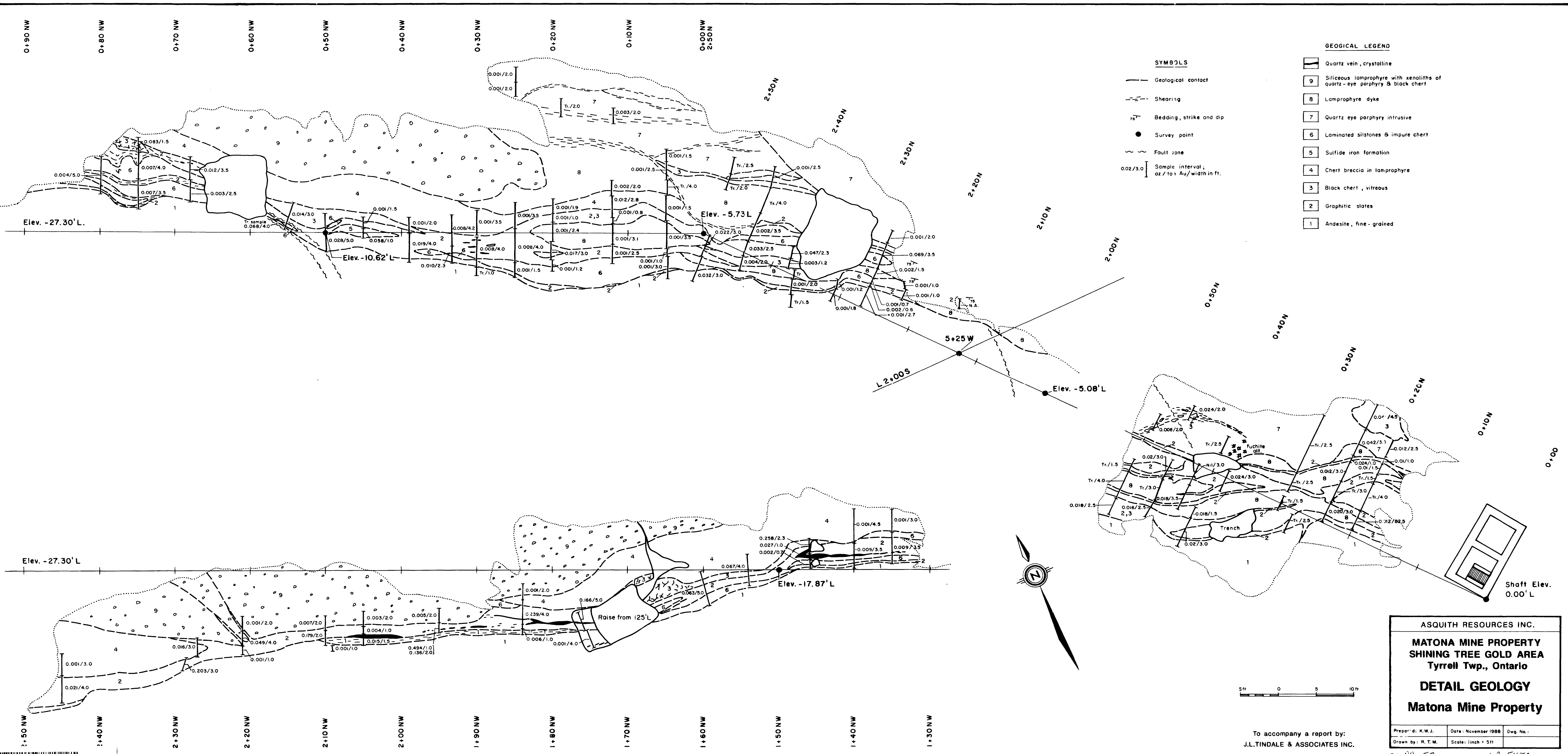
J.L. TINDALE AND ASSOCIATES INC.

Dip rights

**LEGEND**



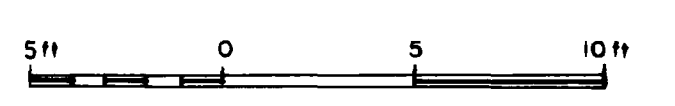




- SYMBOLS**
- Geological contact
  - - - Shearing
  - 75° Bedding, strike and dip
  - Survey point
  - ~ Fault zone
  - 0.02/3.0 Sample interval; oz / to Au / width in ft.

- GEOLOGICAL LEGEND**
- Quartz vein, crystalline
  - 9 Siliceous lamprophyre with xenoliths of quartz-eye porphyry & black chert
  - 8 Lamprophyre dyke
  - 7 Quartz eye porphyry intrusive
  - 6 Laminated siltstones & impure chert
  - 5 Sulfide iron formation
  - 4 Chert breccia in lamprophyre
  - 3 Black chert, vitreous
  - 2 Graphitic slates
  - 1 Andesite, fine-grained

ASQUITH RESOURCES INC.  
**MATONA MINE PROPERTY**  
**SHINING TREE GOLD AREA**  
 Tyrrell Twp., Ontario  
**DETAIL GEOLOGY**  
**Matona Mine Property**



To accompany a report by:  
 J.L.TINDALE & ASSOCIATES INC.

Prepared: K.W.J.	Date: November 1988	Dwg. No.:
Drawn by: R.T.M.	Scale: 1 inch = 5ft	

OM 88-53 63-5453

