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MINING LANDS SECTION

PATINO MINES (QUEBEC) LIMITED

GEOLOGICAL REPORT

Shining Tree II Property Connaught Township Larder Lake Mining Division District of Sudbury Ontario, Canada

March, 1981

A. INTRODUCTION

During the summer of 1980 line cutting, and subsequent electromagnetic and magnetic surveys were carried out on a property optioned to Patino Mines (Quebec) Limited. During the latter half of September, 1980 a detailed geological survey was carried out over the previously cut lines spaced at 400 foot intervals across the property and oriented approximately north-south. This property is located in Connaught township (Shining Tree area), Larder Lake Mining Division, District of Sudbury. The geological mapping was done by Patino Mines (Quebec) Limited staff geologists.

B. PROPERTY, LOCATION AND ACCESS

The property described in this report consists of sixteen contiguous claims located in Connaught township. The claim numbers are as follows:

L	507854	-	507857	4	inclusive	claims
L	50785 9	-	507864	6	inclusive	claims
L	507820	-	507825	6	inclusive	claims

This claim group is located approximately in the center of Connaught township about 14 km northwest of the village of Shining Tree, Ontario. It is bordered on the east by Connaught Lake and transected by both Elephant Head and Esther creeks.

Access to the property is available by means of a Hydro access road which services the north-south power transmission line 5 km west of the claim group. The hydro road intersects highway 560 about 16 km west of Shining Tree. This road must be travelled a distance of 19 km north from highway 560 until it intersects an old drill road which leads eastward to the property (a distance of 5 km). The old road cuts across the northwestern corner of the claim group

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C. TOPOGRAPHY

The topography of the area is typified by gently rolling terrain with occasional steep hills along the sides of both Elephant Head and Esther creeks and near Connaught Lake.

There do not appear to be any thick or extensive areas of glacial till but rather a thin veneer of till and humus covering most of the property. The outcrop (bedrock) exposure is slightly variable, it is poorly exposed in the west (2-5% exposure) and comprises about 10% of the surface area throughout the west of the property.

Elephant Head and Esther creeks both cut across the property. The latter flows out of the end of Connaught Lake, which is situated at the eastern end of the grid. The two creeks join immediately north of the northern boundary of the property.

Vegetation mainly consists of a native mixed forest of poplar, spruce and birch trees. Several long linear swamps host dense growths of alders, spruce and cedar. Alders are generally common as fringe growths to the two main creeks and Connaught lake. In addition, there are a few smaller swampy areas scattered throughout the area.

D. PREVIOUS WORK

The earliest exploration activity in Connaught township began in 1913 and was carried out mainly for copper, as well as gold.

John Mataris first discovered copper mineralization in the Mataris Lake area in 1913 (Carter, 1980), about 2 km north - northeast of our claim group.

In 1950 Duvay Gold Mines held 10 claims near Connaught Lake (Carter, 1980). Five diamond drill holes were drilled for a total length of 662 feet. Acid lavas, talc schist and pyrite mineralization were intersected in these holes. The inferred location of the drill holes is just north of the claim group (probably 200-600 feet to the north) near the east side of Esther Creek. Data from current geological mapping indicates that the location of those drill holes are underlain by intrusive granitic-type rocks (Carter, 1980). However, the drill holes might have intersected roof pendants or block-faulted slivers of the surrounding metavolcanic rocks.

In 1963, Siscoe Metals Ltd. drilled eight diamond drill holes. Their approximate location is given on the Shining Tree II geological map. Presumably, the drill target was a shear zone in the granodiorite which contained some gossan plus quartz and quartz-carbonate veining as seen in at least one bedrock exposure (trench). The trenching and pitting (see map) were presumably carried out by Siscoe as well as other previous prospectors. All of Siscoe's diamond drill holes were drilled at an angle of -45° and were relatively shallow (all less than 400 feet in length). Below is a short synopsis of the geology in each hole:

DDH S-1 (311 feet) intersected granite, sheared granite, feldspar porphyry. Some disseminated pyrite and minor quartz and calcite veins were also present. The best assay was trace Au with .14 oz/T Ag over a 1 foot sample length.

DDH S-2 (356 feet) intersected feldspar porphyry, sheared and altered granite with disseminated pyrite, and a 12 foot wide fault zone with mylonite and breccia. The best assay was 0.006 oz/T Au with 0.27 oz/T Ag over a sample length of 0.1 foot.

DDH S-3 (250 feet) intersected feldspar porphyry (both sheared and unsheared varieties) with disseminated pyrite in a few sections. Mylonites, apalites, minor quartz and calcite veins were also present. The best assay was trace Au with .09 oz/T Ag (sample length unknown).

DDH S-4 (204 feet) intersected quartz-feldspar porphyry (sheared, altered and unsheared varieties) and several "shear zones" (maximum

width 6 feet). These shear zones consist of heavily altered porphyry with some disseminated pyrite. Minor quartz and calcite veins were also intersected. The best assay was trace Au with .14 oz/T Ag over a sample length of 1.1 foot.

DDH S-5 (200 feet) intersected quartz-feldspar porphyry and several shear zones (maximum width 9 feet) with some disseminated pyrite in these zones. Minor quartz and calcite veining was also intersected. The best assay was trace Au with 0.12 oz/T Ag over a sample length of 1 foot.

DDH S-6 (205 feet) intersected granite, several shear zones (maximum width 4 feet) with disseminated pyrite, and Matachewan diabase dykelets. Also present were minor quartz and calcite veinlets. The best assay was 0.005 oz/T Au with 0.11 oz/T Ag over a 2.0 foot sample length.

DDH S-7 (200 feet) intersected rhyolite (?) quartz-feldspar porphyry, "shear zones" (maximum width 4 feet) with some disseminated pyrite and quartz-carbonate veins, and a "sheared" quartz-feldspar porphyry.

DDH S-8 (286 feet) intersected quartz-feldspar porphyry, a shear zone (10 feet wide) with disseminated pyrite, and granite. Various minor quartz and carbonate veinlets were also intersected. The best assay was trace Au with trace Ag.

During the summer of 1980, electromagnetic and magnetic surveys were carried out for Patino Mines (Quebec) Limited over the present 16 contiguous claims. The magnetic survey outlined various north-south striking magnetic anomalies which probably correspond to various diabase dykes. The electromagnetic survey outlined a segmented, moderate strength EM-16 conductor in the northern part of the grid. Although this conductor coincides with a stream bed (Elephant Head Creek), it is possible that a fault system may also be inferred from this data. Geological mapping at a scale of one inch to 200 feet was conducted over the grid area during the last two weeks of September, 1980. At this time, all pits and trenches were examined and sampled. These samples were assayed for gold and silver. All of the sample locations and assay values are given on the compilation map of Shining Tree II property.

Subsequent to the geological mapping and sampling, a diamond drill program was started in January, 1981. In this program four holes (total length of 1,690 feet) were drilled to test the long, segmented EM-16 conductors and the vertical extent of some pyrite-bearing quartz veins located in two pits (pit #1 and #2) (see map) adjacent to it.

E. GENERAL GEOLOGY

The map area is near the contact between a large body of intrusive early Precambian granodiorite found in the southwest corner of Connaught township and a sequence of northwest-striking, Early Precambrian subalkaline volcanic rocks which underlie the rest of the township. The composition of these metavolcanic rocks ranges from basalt to rhyolite (Carter, 1980). Although the relationship between metavolcanic rocks and the granodiorite is clearly intrusive near Elephant Head Creek, in many other places the contact appears to be structural and follows major fault and shear linear features.

Numerous north to northwest-striking diabase dykes which probably belong to the Matachewan dyke set, intrude both the felsic intrusive and metavolcanic rocks.

Middle Precambrian (Proterozoic) rocks lie unconformably on the older early Precambrian (Archean) rocks. Rocks of the Gowganda formation of the Cobalt Group and Nipissing diabase are fairly common in the central part of Connaught township just north of Connaught Lake (Carter, 1980). The relatively flat lying rocks of the Gowganda formation are mainly comprised of conglomerate with some greywacke (minor) metasediments. The various outcrops of Nipissing diabase are considered to represent erosional remanents of a once continuous flat lying sill.

F. GEOLOGY OF THE SHINING TREE II PROPERTY

Early Precambrian metavolcanic rocks of andesite composition (1) represent the oldest rocks in the map area. A large stock of coarsegrained granodiorite (2) is presumably intrusive into these metavolcanic rocks. Of the various types of dykes which cross-cut the granodiorite, the felsic (possibly syenitic) dykes (3) are less common than the diabase dykes (4).

Relatively flat lying middle Precambrian rocks of the Gowganda formation (unit 5) (Huronian supergroup-Cobalt group) are located in the most eastern part of the map area. In this area the Gowganda formation consists mainly of conglomerates (5a) with a lesser greywacke member (5b). The youngest rocks are those of Nipissing diabase (6) and represent erosional remanents of a large sill.

1. Metavolcanic Rocks - Andesite

The andesites are generally fine-grained, aphanitic and are generally believed to represent relatively thick volcanic flows. They are generally medium green in colour and contain up to 20% plagioclase phenocrysts and minor pyrite. Chlorite and epidote are the main alteration minerals.

The weathered surface is generally blocky and coarse with some concoidally fractured sharp edges. In other places, near shear zones, the metavolcanic rocks are somewhat fissile, foliated and sheared.

The andesitic rocks are mainly located in the eastern part of the map area. It is believed that they either represent roof pendants in the granodiorite stock or blocks of volcanic rocks which are in fault contact with the granodiorite along the edges. The southernmost series of andesite flows in the map area are the northern edge of a major volcanic sequence which continues eastward and underlies the greater part of Connaught township.

2. Granodiorite

Coarse-grained, massive, moderately jointed granodiorite with well developed plutonic textures is the predominant rock type in the map area. Foliation is detectable only in a few areas on the property. The mineralogy of the granodiorite generally consists of 40-60% plagioclose feldspar, 30-40% quartz, 10% biotite and 5-10% K-feldspar. Typically the weathered surface is whitish to pinkishwhite in colour while the fresh surface is a grey colour. Alteration is usually minor, except in a few places where local patches exhibit alteration of plagioclase feldspar to epidote + chlorite + quartz mineral assemblages which may or may not contain hematized feldspars. Typically the feldspars within the granodiorite as well as the alteration patches are not hematized.

Shearing within the granodiorite is not common, except for two distinct east-west trending shear zones near Elephant Head creek which are of importance. One of the shears passes through trench #1, while the other is located in both pit #1 and pit #2 (see map). These sheared granodiorites are more altered and consist of chloritized, sericitized and partly carbonated rock types which may contain 2-3% fine-grained, disseminated pyrite. In both shear zones there are several east-west striking, pyritebearing quartz- carbonate veins which carry variable Au and Ag 3

The large mass of granodiorite comprises a stock which underlies most of the map area as well as the southwest corner of Connaught township. It is generally in fault contact with the metavolcanic rocks (1) and possibly with the Nipissing diabase (6) along its entire eastern boundary.

3. Felsic (Syenitic) Dykes

These fine-grained felsic dykes range in width from 3-30 feet, and cross-cut the coarse grained granodiorite in several places. Their composition is of an intermediate type (dacite to andesite) with no visible quartz phenocrysts. The fresh surface generally has a light green-grey colour, while the weathered surface is light grey. Texturally these rocks are fine-grained and even-textured with the characteristic fracture and joint pattern common to most dyke rocks.

4. (Matachewan?) Diabase Dykes

These medium to coarse-grained rocks are characterized by fairly well developed subophitic textures and contain 50% plagioclase feldspar and 50% amphibole (hornblende). On the fresh surface the colour is grey-dark green while the weathered surface is a characterictic brown colour. Fracturing and jointing is also fairly well developed. Straight intrusive contacts with the coarse grained granodiorite are observed in several localities as well as a chilled, fine-grained margin in at least one locality.

The dykes which range in width from 40-100 feet are most numerous in the north-central part of the map area. They strike in a north-south direction and are frequently displaced by eastwest striking faults. The displacements are minor.

5. Gowganda Formation

5a. Conglomerate

The Gowganda conglomerate has a characteristic red-brown fresh and weathered surface. It is a moderately sorted framework supported polymictic conglomerate which is composed of granitic, quartz and volcanic clasts. The frame work consists of well rounded to subangular clasts which make up about 20-25% of the total rock. The clasts are supported by a greywacke-siltstone type matrix. These flat-lying rocks are mainly observed in the eastern part of the map area where they form cliffs around Connaught Lake.

5.b Greywacke

Fine-grained greyish-green coloured greywacke with well developed bedding/foliation occurs as a minor rock type. It occurs as scattered outcrops in the eastern part of the map area and underlies the conglomerate.

6. Nipissing Diabase

These medium to coarse-grained rocks are generally comprised of 50% plagioclase and 40-50% amphiboles which exhibit sub-ophitic textures. The weathered surface is typically a brownish-red colour while the fresh surface is dark green.

Nipissing diabase rocks which are the youngest in the map area, are located in the eastern part of the grid where they represent a major rock type. These rocks are believed to represent a sill which was intruded between the flat lying Gowganda formation and the underlying Archean rocks.

G. ECONOMIC GEOLOGY

Both previous and present exploration on the Shining Tree II property has been centred around several distinct shear zones within the granodiorite near Elephant Head Creek. One of these shears passes through trench #1 (see map), while the other is located in pit #1 and pit #2.

1. Trench No. 1

Within the trench a sheared, altered granodiorite is the main rock type. The alteration consists of carbonatization and chloritization. Three quartz-carbonate veins with no visible sulphides are located adjacent to the sheared granodiorite. Assays of this material indicate an average of 0.05 oz/T Au and 0.05 oz/T Ag. Several other trenches are located about 800 feet to the west on the probable westward extension of the same east-west shear zone. It appears that most of the trenches occur in overburden. One sample from here assyed .08 oz/T Au.

The eastward extension of this shear zone probably extends to a series of outcrops on line 4E (see map). In this series of outcrop there are about 10 narrow quartz veins, some of which contain 1-3% pyrite. The granodiorite is somewhat fractured and slightly sheared. Assays average 0.05 oz/T Au and 0.05 oz/T Ag with the best assay at 0.10 oz/T Au with 0.13 oz/T Ag.

2. Pits No. 1 and No. 2

As exposed in pit No. 1, the east-west shear zone in the granodiorite is 10 feet wide and dips 45° to the south. Of the four quartz-carbonate veins which are located in the shear, three are barren of sulphides and the width of the veins generally ranges from 2-4 inches. The other quartz-carbonate vein which is located near the centre of the shear zone is 4 inches wide and contains 20-25% pyrite. The granodiorite is somewhat altered with epidote and sericite at the vein margins.

The eastward extension of the southern shear can be seen in pit #2 some 20 feet east of pit #1. In pit #2 the granodiorite is not as sheared as in pit #1. Most of the quartz-carbonate veins have also disappeared over the 20 foot distance. Only one 4 inch quartzcarbonate vein is located in pit #2. Minor (1-3%) pyrite is present in the vein as well as in the host granodiorite nearest the vein.,

The best assay value from grab samples of the quartz-carbonate veining and sheared granodiorite was that of a sample of vein material in pit #1 with 20-25% pyrite. This sample assayed 1.56 oz/T Au and 6.46 oz/T Ag. The average of other vein material was about 0.05 oz/T Au and 0.10 oz/T Ag. A sample of granodiorite with 1-3% pyrite had 0.06 oz/T Au and 0.05 oz/T Ag.

H. DIAMOND DRILL PROGRAM

This program was concluded in February, 1981. A total of 1,690 feet was drilled. A summary of each hole together with the detailed drill logs is given in this section.

1. Summary of Diamond Drill Results

- 12 -

ST-II-1

Location	3+00W	10+00N
Azimuth	025°	<u>Departure</u> - 45°
Length	309'	<u>Core Size</u> - AQ

Date January 21-24, 1981

Purpose To test vertical continuation of surface quartzcarbonate veins and to test EM-16 conductor (92° crossover).

Summary of Geological Units

Footage

0 to 4	Overburden
4 to 79.0	Granodiorite
79.0 to 79.8	Quartz vein
79.8 to 106.0	Granodiorite
106. to 129.4	Altered granodiorite
129.4 to 134.5	Intermediate dyke
134.5 to 165.0	Granodiorite
165.0 to 176.3	Intermediate dyke
176.3 to 201.0	Altered and recrystallized granodiorite
201.0 to 309	Granodiorite
309	End of hole

Summary of Mineralization

64.0 to 68.8	To 15% py in some QV in granodiorite 0.006 oz/T Au and 0.006 oz/T Ag over 1.0'
79.0 to 79.8	QV with 0.002 oz/Au, Ag N.D
237 - 238.0	Weekly fractured zone corresponds approximately to the EM-16 intersection.
	<pre>< 0.001 oz/T Au 0.009 oz/T Ag over 1.0'</pre>

Departure - 60°

ST 11-2

Location

3-00W 10+00N

Azimuth

Length 462° Over Size - AQ

025°

Date January 24-29, 1981

Purpose

To test vertical continuation of surface quartzcarbonate veins and to test EM-16 conductor (92° crossover).

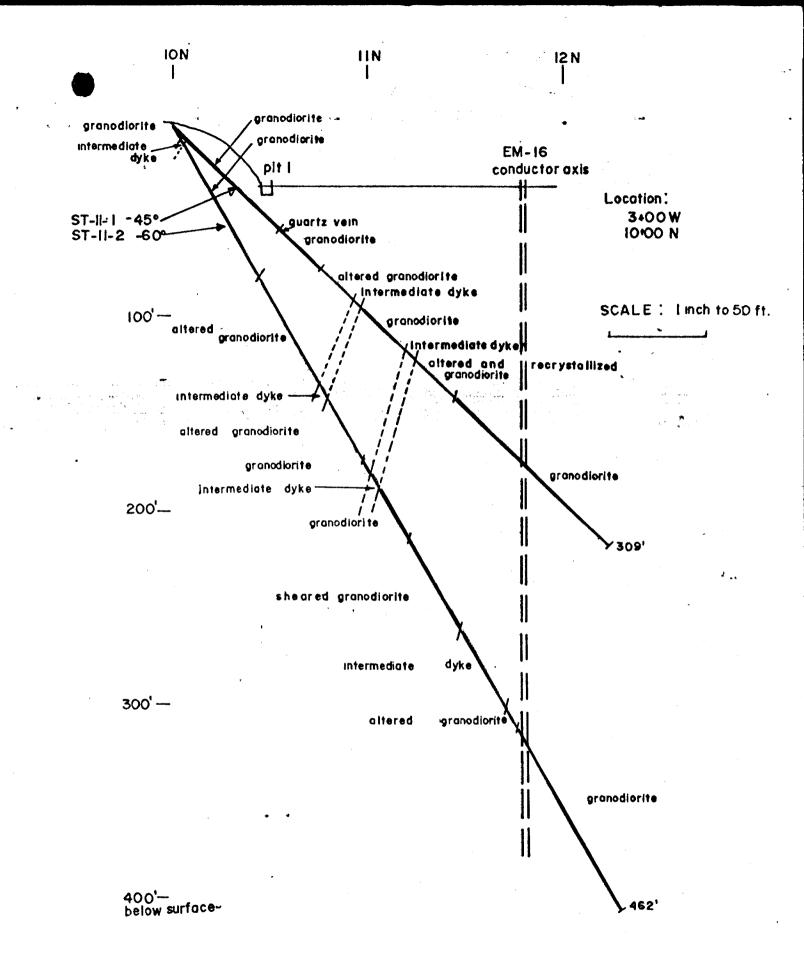
Summary of Geological Units

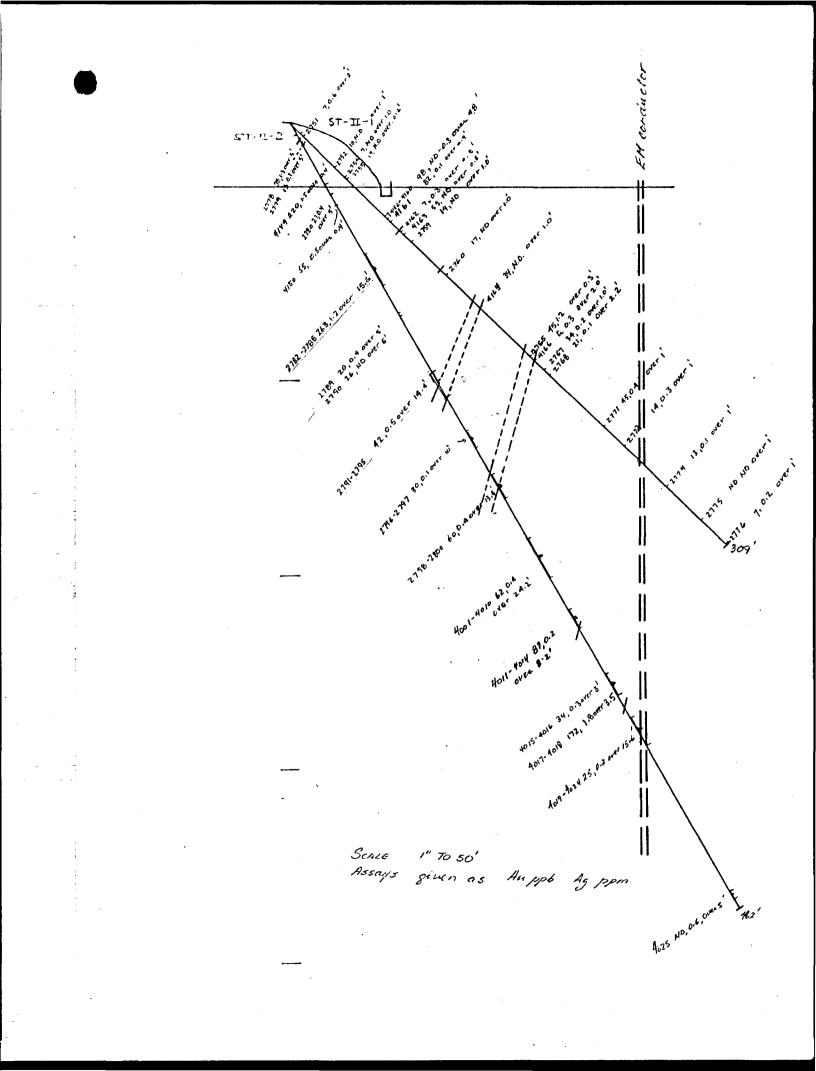
Footage

0 to 3	Overburden
3 to 10.8	Granodiorite
10.8 to 12.5	Intermediate dyke
12.5 to 88.0	Granodiorite
88.0 to 154.6	Altered granodiorite
154.6 to 162.6	Intermediate dyke
162.6 to 202.0	Altered granodiorite
202.0 to 206.0	Granodiorite
206.0 to 214.4	Intermediate dyke
214.4 to 246.0	Granodiorite
246.0 to 298.0	Sheared granodiorite
298.0 to 350.0	Intermediate dyke
350.0 to 359.0	Altered granodiorite
359.0 to 462.0	Granodiorite
462.0	End of hole.

Summary of Mineralization

75.0 to 93.0	Trace pyrite with QV 0.06 oz/T Au 0.06 oz/T Ag over 0.7' in QV
246.0 to 298.0 350.0 to 359.0	Sheared and altered granodiorite probably is no cause of the EM-16 conductor. Assays range from < 0.001 to 0.005 oz/T Au & ND to 0.01 oz/T Ag.





<u>ST 11-3</u>		
<u>Location</u>	L4+00E	12+00N
Azimuth	350°	Departure - 45°
Length	495'	<u>Core Size</u> - AQ
Date	February	7-15, 1981 (70° crossover)
Purpose		M-16 conductor and vertical extent of tz-carbonate veins at depth and a possible

Summary of Geological Units

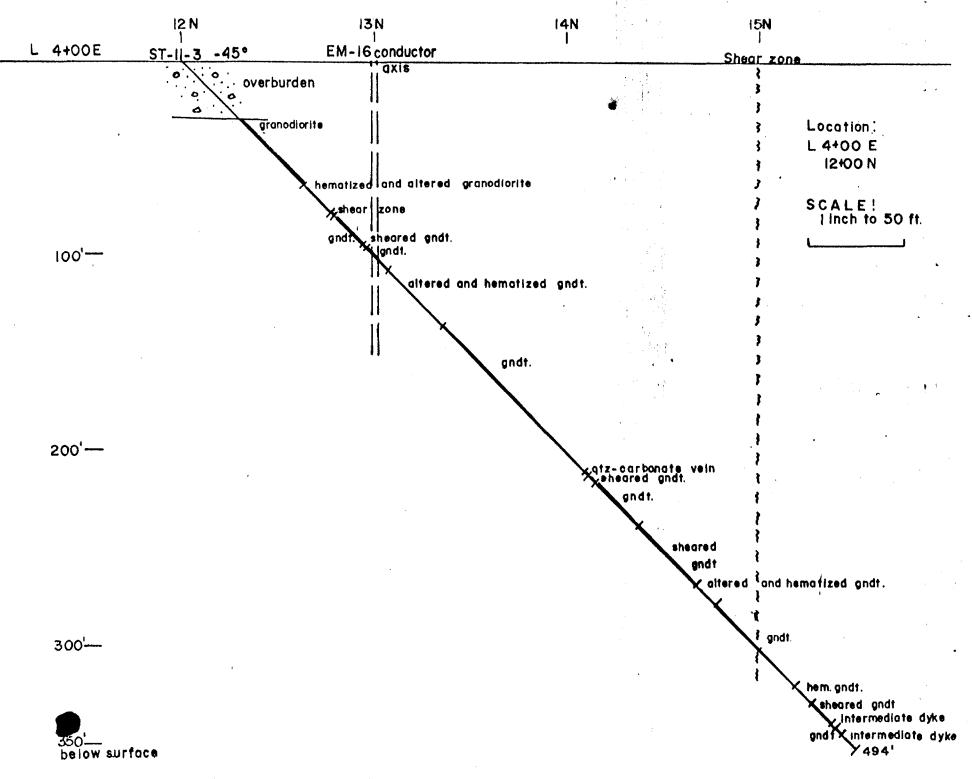
0 to 42.0	Overburden	305.0 to 335.0	Granodiorite
42.0 to 90.0	Granodiorite	335.0 to 376.5	Sheared granodiorite
90.0 to 110.0	Hematized + altered granodiorite	376.5 to 391.0	Hematized & altered granodiorite
110.0 to 112.3	Sheared granodiorite	391.0 to 448.0	Granodiorite
112.3 to 133.0	Granodiorite	448.0 to 462.0	Hematized granodiorite
133.0 to 136.0	Shear zone	462.0 to 476.5	Sheared granodiorite
136.0 to 153.0	Granodiorite	476.5 to 478.2	Intermediate dyke
153.0 to 193.0	Altered & hematized	478.2 to 483.5	Granodiorite
	granodiorite	483.5 to 495.0	Intermediate dyke
193.0 to 295.5	Granodiorite	495	End of hole
295.5 to 298.0	Quartz-carbonate vein		
298.0 to 305.0	Sheared granodiorite		

Summary of Mineralization

83.2 to 89.0	Quartz-chlorite veining with 1% py is sheared granodiorite best assay 0.03 oz/T Au, 0.06 oz/T Ag over 0.3'
108-112.3	Hematized granodiorite best assay 0.04 oz/T Au, 0.006 oz/T Ag over 1.3'
127.7 to 136.0	Sericitized shear zone over 133 - 136 with 1% py accounts for EM-16 conductor assays yielded < 0.002 to 0.002 oz/T Au and NQ to 0.009 oz/T Ag

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293.5 to 310.2	Quartz-carbonate veining with 1 to 3% py Assay values gave < 0.001 to 0.004 oz/T Au and ND to 0.01 oz/T Ag
335 to 365	< /% to 2% py in sheared granodiorite with 1-2% QV Assay values gave $<$ 0.001 to 0.003 oz/T Au and ND to 0.01 oz/T Ag.
371.5 to 376.5	Sheared granodiorite with 2-3% py Assays 0.007 oz/T Au and 0.03 oz/T Ag over 5'



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57-11-3 ٢٩ 0 0 O.C. Vernines D, 0 ٥ Voc viert 6.³ 4026-27 22,020000 5 0.04 Kremid Aote - 32 110 90. A out 5% r", et || 1 4.97 A.O. Over o. 4037-39 - 53 WO 03 WH 8 3 Hour vernet A033 (I SAMDONER 26) stear 1 9.4 0. 20 eech OCreining shepring grant Q^{(verring} over 1.3 wet . 404 USV Aph? 21, 400 perc? 4095.44 20,04000 ch hose opharte ⁴ م Care and Property 1.500 PM 34 1,500 ° ° ° 4105 21.0.604 er 20 4810'3 NOR 26 × 100 00 vein's 48.N.O 00Cr.13 405-3-58 BUINE 7' L 2010 2010 84 31, 0.1 01, 0, 9 Dishear 2.3 kpr 4°48 . I'm d great. ? 4040-16 63,02040,36 40⁵⁹ Kechenny In. Pl (n. p4 Scale Hob1-68 101, 89, 4000000 1050 × Au ppb, Ag ppm. est verents Sim assays 96.140 byer.2 elf P-1 as 2.5% W.P4 43.^{ND cours} 40 501 ND +0 aver 10 6CV Part verning 4013 10° 11 Cron3.5 est det 415 27.0° 1.5" 46.10.10 per 60 415 406 21.10 to 31,030ver * 2/001 breutured 2010 tern C Velar 4071 Hote FI Webson wi 4012 NON AZ 4074-27 A174-A155 4 40 1, 1, ND . 0, 9 or 47494

<u>ST 11-4</u>		
Location	9+00E	16+50N
Azimuth	350°	Departure - 50°
Length	426.'	<u>Core Size</u> - AQ
Date	February	16-19, 1981
Purpose	To test f	°or EM-16 conductor - 115° crossover

Summary of Geological Units

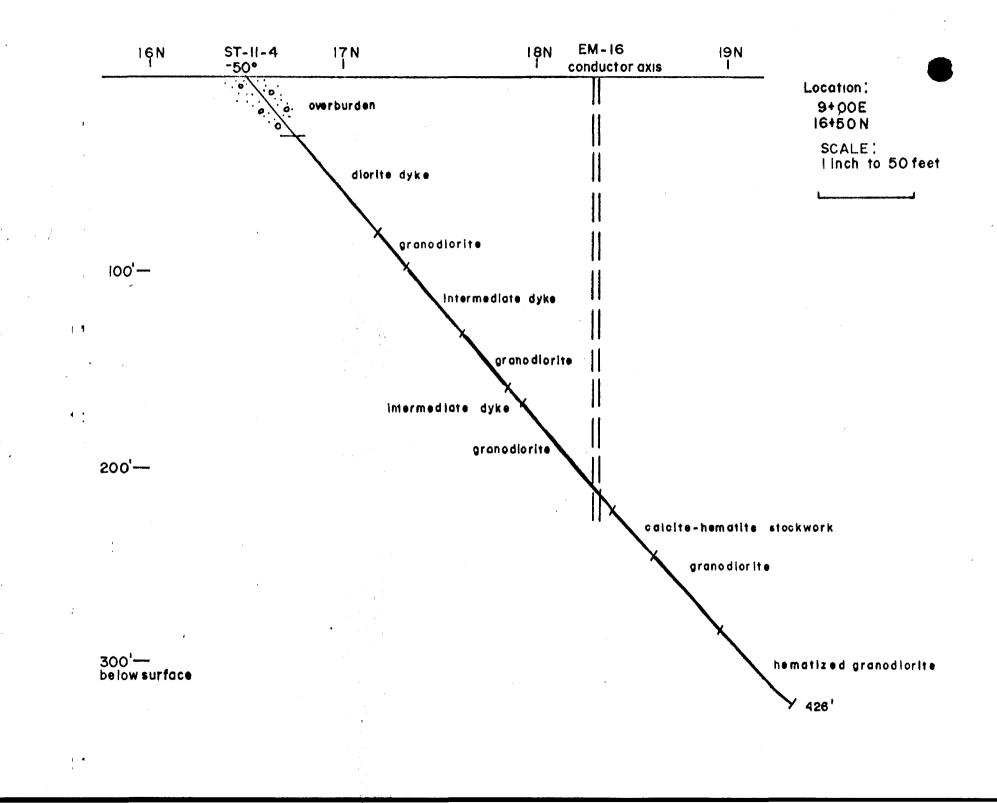
Footage

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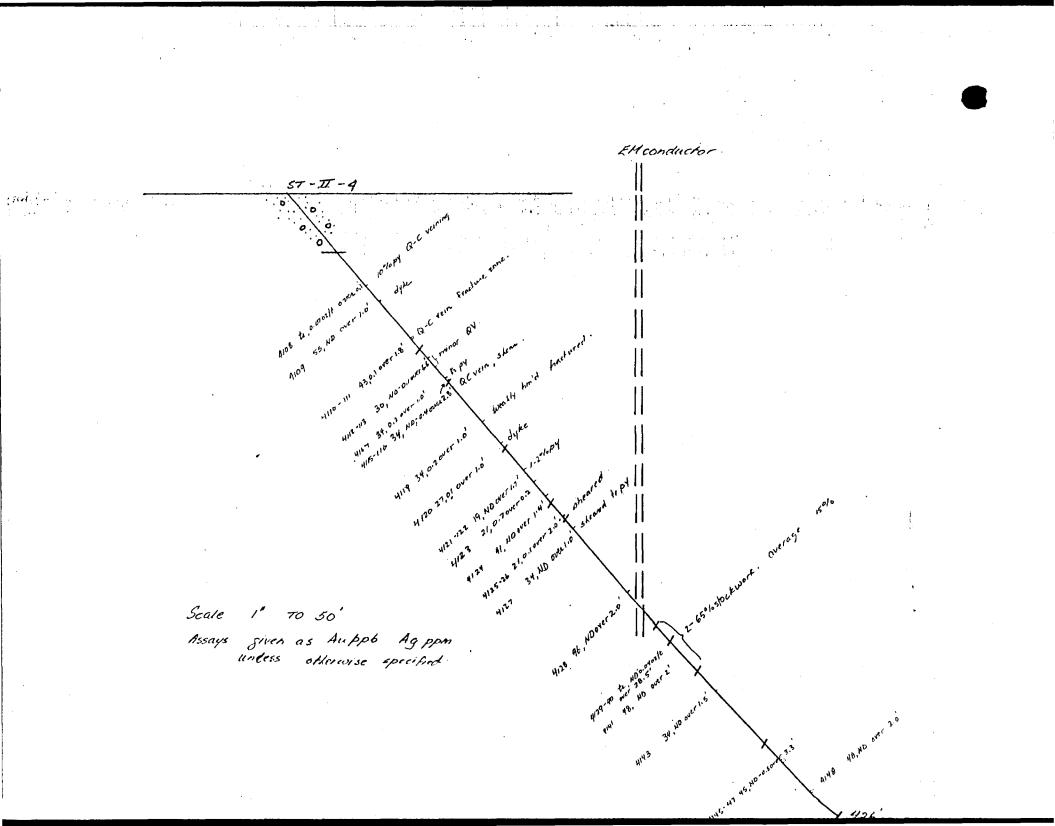
0 to 40.0	Over burden
40.0 to 102.0	Diorite dyke
102.0 to 129.1	Granodiorite
129.1 to 173.0	Intermediate dyke
173.0 to 207.0	Granodiorite
207.0 to 219.0	Intermediate dyke
219.0 to 289.5	Granodiorite
289.5 to 320.0	Calcite and hematite stock work veining
320.0 to 426.0	Granodiorite
426	End of hole

Summary of Mineralization

62.7 to 62.8	10% py associated with quartz-carbonate veining yielded assays of trace Au and 0.07 oz/T Ag.
289.5 to 320	3 to 65% stock work; calcite and hematite veining probably accounts for the EM-16 conductor Assays yielded trace to 0.02 oz/T Au (note: 0.02 oz/T Au was produced over 2.0') and ND to 0.04 oz/T Ag.



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Discussion

1. DDH-ST-II-I and ST-II-2

These holes demonstrated that the surface pit #1 has no substantial vertical continuation. Also intersected was a section of barren sheared granodiorite which gave low assays of Au and Ag.

2. DDH-ST-II-3

This hole intersected several sections of sheared and altered granodiorite with the best assay 0.03 oz/T Au, 0.06 oz/T Ag over 0.3 feet.

3. DDH-ST-II-4

This hole intersected several dykes and a 30 foot section of calcite and hematite stockwork veining within the granodiorite. The best assay over this zone was 0.02 oz/T Au, over 2.0 feet.

In all four holes the EM-16 conductor was satisfactorily explained, usually by sheared granodiorite with 1-2% disseminated pyrite.

CONCLUSIONS

Geological mapping and surface sampling outlined the most favourable areas for mineral exploration for Au and Ag. The electromagnetic survey also outlined EM-16 conductors within these favourable areas which were thought to represent shear zones in the granodiorite. The Au and Ag mineralization is clearly associated with east-west striking pyritebearing, quartz-carbonate veins which are intruded into two distinct east-west shear zones in the granodiorite body near Elephant Head Creek. Moderately strong EM-16 conductors and favourable geology were the basis for drill targets. However, subsequent drilling indicated very little if any Au and Ag mineralization in these structures.

Respectfully submitted,

Peter Born

PB/so

June 19, 1981

Carter, M.W.

1980 - Geology of Connaught and Churchill townships, District of Sudbury,
 Ontario Geological Survey report 190, 81 p. Accompanied by
 Geological map 2414, scale 1:31 680 or inch to 1/2 mile.

Siscoe Metals Ltd. (1963) - Assessment Files - Ministry of Natural Resources, Kirkland Lake, Ontario Report on Diamond Drilling in Connaught township.

APPENDIX

Professional Qualifications

PETER BORN, B.Sc.(Hon.), M.Sc (Geology)

- Graduate B.Sc (Hon) Geology Carleton University, Ottawa, Ontario, 1976.
- Graduate M.Sc (Geology) Laurentian University, Sudbury, Ontario, 1979.

M.Sc Thesis title - Geology of the East Bull Lake Layered complex, District of Algoma, Ontario

> Material from thesis included into two short pages: GSC paper 78-1A and in Abstracts and Program -Joint Meeting Geol. Assoc. Can. and Geol. Soc. Amer., Toronto, Ontario, 1978.

- Member of Geological Association of Canada
- 1979 (January December) worked for Urangesellschaft Canada Limited as a field/exploration geologist on a project located in the Northwest Territories.
- 1980 (January) joined Patino Mines (Quebec) Limited as an exploration geologist at their Chibougamau (Quebec) exploration office and have worked on various properties in both Ontario and Quebec.

LEVEL ELEVATION HOLE NO. ST- II-1

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PATINO	(QUEBEC) LIMITEE	0	RECORDING	-45 ⁰	SECTION				L	LENGTH	+ <u>309</u>	<u></u>		L	OGGED BY P.	BORN	
	ľ	200'	-530	-45 ⁰	LATITUDE	/E		·	c	CORE SIZ				1	PURPOSE EXPLO		IN
SHININ	NGTREE II PROPERTY	2001	-52 ⁰	-44 ⁰	DEPARTU	JRE	-0			FINISHED				+	TOT. RECOVERY		<u> </u>
FOOTAGE	,V	309'		1 -44	<u></u>	<u>-45</u>		OOTAG			<u> Jan</u>		<u>- 24, 198</u>	3]	T	1	
FOOTAGE					GRADE	SAMPLE	1	T	<u> </u>			ASSAY	1	T	- '	RECO	OVERY
FROM TO	DESC	CRIPTION			ESTIMATE	NO.	FROM	Ťo	LENGTH	1 CU	ppb	ppm **	CU CUM. W X A	AU CUM. W X A		RUN	SHORT
						2751	7.0	9.0	2.0		7	0.6			grdrt	4	1
4_	OVERBURDEN					0750	127 0		1.0	'	+ 70		'		10	↓ '	+
4 70 0	GRANODIORITE			·····		2752	31.0 No sam	132.0	1.0	+	10	ND	·'	+	1% py	fJ	+
<u>4</u> / 2.0		<u> </u>				<u> </u>	nu sum			++	1	-	'	<u> </u>	++	↓	<u> </u>
	c.g. massive granodiorite med.	grey colou	(r			2754	37.0	38.0	1.0	· · · · · · · · · · · · · · · · · · ·	7	ND			grdrt		
	<u>qtz - 40%, biotite - 10%, chlor</u>	orite <u>5 - 15</u> %	5%Feldspar_		50%	2755	38.0	38_6	0.6	'	17	0.6	'		tr py		
	lesser kspar - hard to see if a	any distinct	t feldspar bu	ut probably			<u> </u>	<u> </u>		- <u> </u>	. <u> </u>		′	_		 '	
	some. Plagroclase is well form	med (euhedr	al) with appr	arently only		2756	No_sam	ple		4	+		'	 '	<i>!</i>	ŧl	+
	<u>minor rexltation. Alterating</u> 10 - 15% plus_poss. epidote in	J SIIGHT TO J	<u>moderate - se</u>	ericite		4756	64.0	CF 2	1 2		96		· +'	+'			+
	Shearing - only minor (one or			is more		4156	65.3	65.5	0.2		21	ND 0.9	'	†'	tr py 15% py	t+	+
	chlorite.	_ tho/ praces	MICLE UICLE			4157	65.5	67 6	2.1		69	ND ND	+'	1'	tr py	1+	— —
	Qtz veining minor - 1 - 2% gen	nerally 1 cm	n wide			4159	67.6	67.8	0.2		21	0.1	Au oz/	TON	5% py	+	
	Sulphides only trace pyrite i							68.8			192				tr py		
	Within this fairly homogeneous												· · · · · · · · · · · · · · · · · · ·				
	grndrt in which there appear					4161	70.0	70.4	0.4	'	82	0.1	'	ļ'	QV	<u> </u>	I
	<u>plagroclase feldspars with som</u>						1			<u> </u>	+		'	·	/	 '	
I	<u>which the feldspars almost loo</u>				'	4162	77.0	77.5	0.5		+	0.3	tr py '	in_fra/	actured grdrt	┫	
I	case since there is no grain s					1 47 62	70.0		0.0	4	55		·'	· +'	+	fJ	+
	rest of the rock (matrix) thes 53.6 - 56.6'	se are below	31 - 32, 30	3 - 38.0 ,		4163	79.0	79.8	<u>U.o</u>		+ 55	- ND	·'	· +'	_QV	t	t
l	also of interest:				·	2757	No sam	n]e		++	1	+	+'	· ['	↓	/ +	1
	<u>65 - 65.4 - qtz veining with 2</u>	2% greenish	chlorite	··································			No sam		1	1+		-	· +	1	†*	I	1
	73 - 73.1 - qtz vein with 1%		<u></u>				84.0	85.0	1.0	†+	14	ND	+		grdrt	+	[
	73.7 - 1% pyrite		······································							1			,		91		1
	A						110.0		1.0	!	17	ND	'	· []	grdrt		
79.0 79.8	QUARTZ VEIN						No sam			_ '			'	· ['	/	4 '	
	White massive qtz vein with so	ome greyish	streaks which	n might be			No_sam			- '	+		'	·'	ļ/	+	<u>+</u>
I	tellurides? (an outside chance			as_60°_to			No sam			4	+			·+'		f	1
1+	CA_with_some_shearing_on_eithe	r side of v	ein for b"			2764	No_sam	pie		·	t		· +'	t'	- 	t+	t
1	· · · · · · · · · · · · · · · · · · ·	•	` `			4.1654	133.5	134.5	1.0	++	34	ND	+	, t'	dyke	1	1
/#	A				·		+		+	+			· +'			+	

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		All marine and the second				antan a b ali a.		يېند ور سرې غور د دوله د دور و د دولې د دولې د دولې د			دهرمینه <u>.</u> د	ن ^{غر} در میروند. میرون کو میروند میروند م	π			
) MINES	(QUEBEC) LIMITED		DIP TEST		LEVEL				E	LEVATION				OLE No. ST-		
		FOOTAGE	AN(+	LOCATIO	N			Ε	EARING	- 		S	HEET No. 2/3	3	
PATINU) (QUEBEC) LIMITEE		RECORDING	CORRECTED	SECTION				L	ENGTH				OGGED BY		
	1				LATITUD	 C				ORE SIZE				URPOSE		
	PROPERTY						·····									
					DEPARTL	JRE			F	INISHED			T	OT. RECOVER	łΥ 	
FOOTAGE								OOTAGE	Ξ		ASSAY	'S			REC	OVERY
-	DESC	RIPTION			GRADE	SAMPLE				* ppb	ppm	cu	AU CUM.		-	Ţ
FROM TO					ESTIMATE	NO.	FROM	то	LENGTH	CU AU	AG	CUM. W X A	CUM. WXA		RUN	SHOFT
						2765	170.0	170.3	0.3	45	1.2			QV		
79.8 106.						ļ			ļ	ļ			l	<u> </u>		
	identical to 4 - 79'					4166	171	173	2.0	tr	0.3		 	dyke w QV		<u></u>
	Has c.g. massive texture, ho				+	0767		101 0				-				
	chlorite and plag feldspars	with little	or no kspar,	, no		2767	180.0	181.6	1.0	34	0.2_			strongly	_	+
	sulphides_presentAlterati	on -sericite	e med grey -	greenish		2768	102 7	184.9	2.2	21	0.1					<u><u> </u></u>
	colour.			· · · · · · · · · · · · · · · · · · ·		2768	Nosa		- 6.6			+		+		+
106 129.	4 GRANODIORITE (altered)			<u></u>		2770	No sa				+	+	1	-		
								111p I. Ca.	`				l			
	generally_c.g. and more alte	red than pre	viously with	the plag		2771	221.2	222.2	1.0	45	0.4			tr py in s	er'd a	rdrt
	feldspars very creamy with p	robably lots	of sericite	+ minor		l			L				<u> </u>			
·	epidote. Many of the plag c	rystals_hav	<u>e a hematite</u>	dusting		2772		338-0	1.0	14	-0.3		ļ	weakly fra	idtured	<u> </u>
	around them. There are occa			ices in the	-	2773	No_sa	mple	ļ		·	<u></u>		ļ		-
	<u>core</u> , otherwise massive and					0774					+		<u> </u>	-		<u> </u>
I	The contact with the less al	tered granii	e appears to	<u>be gradual</u>		2774	267	268	1.0	13	0.1	+	·}	11 11		+
l	but distinct.	· · · · ·				2775	292	293				+				+
29.4 134.	INTERMEDIATE DYKE			·····		4//2	292	293	1.0	ND	ND	+				
-29-4-1-34-	f.g. dark grey dyke material	with sharp	upper and lo	1war		2776	308	309	1.0	7	0.2			andust		+
	<u>contacts - intrusive contact</u>	s. Generall	v hard, mass	sive f.g.				505		· · · · · · · · · · · · · · · · · · ·				grdrt		
	with 1 - 5% plag. phenocryst															
		·														
34.5 165.				· · · · · · · · · · · · · · · · · · ·		ļ			ļ	l		<u> </u>				
I	<u> </u>					 				}	- <u> </u>	<u> </u>	·			<u></u>
┃	feldspars = sericite and pos	s minor epic	lote, althoug	h altered		 				┨─────				+		<u> </u>
▋	certainly not as altered as	106 - 129.							 	┨────┤────			<u> </u>	1		+
65.0 176.	3 INTERMEDIATE DYKES											+				+
102-01-170-	same as 129.4 - 134.5'	<u> </u>	<u> </u>	<u> </u>						<u> </u>				+		<u> </u>
	f.g. material with sharp int	rusive conta	cts but with	5% calcite											-	
	veining within the dykeNC	te 1% or los	s pyrite is	ass. with												
	veining within the dyke. No	s. Hard roc	k with arev	_ black												
	colour, massive dyke contact	s about 60 -	-70% to CA	· · · · ·		li										

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				4		/ 			1	<u></u>	<u> </u>					الآليو ال الدينية، من الشوار 		·
) 661	INIES	(QUEBEC) LIMITED		DIP TEST		LEVEL		<u></u>		E	LEVATI	ON				HOLE No. ST-2	-1	
			FOOTAGE	ANG		LOCATIO	N			в	EARING	;				SHEET No. 3/3		
PAI	INO	(QUEBEC) LIMITEE		RECORDING	CORRECTED	SECTION			· · · · · · · · · · · · · · · · · · ·	L	ENGTH					LOGGED BY		
						LATITUD	Ε		··· <u>i</u>	с	ORE SIZ	Έ		·····		PURPOSE		
	·····	PROPERTY			<u> </u>	DEPARTU	IRE				INISHED				<u> </u>	TOT. RECOVERY		
																		
F001	TAGE					GRADE	SAMPLE		OOTAGE		 		ASSAY	5			RECO	
FROM	· TO	D E S C	RIPTION			ESTIMATE		FROM	TO L	ENGTH	% CU	oz Au	OZ AG	CU CUM. W X A	AU CUM. W X A		RUN	SHORT
76 3	201.0	GRANODIORITE (altered and	revited)		<u></u>	·	 							<u> </u>	<u> </u>		ļ]	
10.5	201.0	fairly homogeneous granodi		altered cream	v coloured							<u></u>					 	
		plagroclase feldspars and															<u> </u>	
		Qtz - 40% - probably rexit																
		particularly interlocking.																
		Also trace pyrite - f.g. r																
		<u>This unit is similar or ic</u>					<u> </u>							ļ	<u> </u>		ļ!	
- <u>-</u>		feldspar alteration and he				_												
		indicate both units underw										·			ļ			
		The contact with the regul	ar gndrt is	gradual but	<u>distinct.</u>		ļ							L	ļ			
												-			ļ			
201	309	GRANODIORITE					l							<u> </u>	ļ		 	
		med. grey colour, c.g. mas											L		ļ		ļ	
	<u> </u>	<u>qtz - 40% biotite - 5 - 10</u>			<u>dsp - 40%</u>	-					<u> </u>			<u> </u>			ا ــــــا	
		little or no kspar which i				_					 				<u> </u>			
		<u>Alteration - moderate - wi</u>				- 					 			L	ļ		ļ]	
		<u>note in several places the</u>			<u>t fairly</u>	_								ļ				
		<u>c.g. and porphroblastic ir</u>					 			•····	ļ			<u> </u>			ļ	
. <u></u> !!		<u>Traces pyrite in places -</u>												<u> </u>			ļ	
	ļ	wide with 1% py - about 2%		also present	poss.	_							 	<u> </u>	 		Į I	
		<u>some very red Fe -carbonat</u>	e	· · · · · · · · · · · · · · · · · · ·				·									<u> </u>	
		Accessory is minor leucoxe	ene - ti l anu	im - whitish	colour						 			<u> </u>			<u> </u>	
		locally 1%													<u> </u>		<u> </u>]	
											┨────┥	<u></u>	+		<u> </u>		┟┦	
		<u>(304 - 309) similar to abc</u>				d.	ļ								ļ		<u> </u>	
		<u>light green chlorite = c.c</u>												+	<u> </u>		<u> </u>	
<u> </u>	<u> </u>	<u>Colour pinkish - grey inst</u>	ead of gree	nish grey no-	sulphides						<u> </u>		+		<u> </u>	_	<u> </u>	
		present in the section.		<u> </u>										<u> </u>	 		<u> </u>	
<u></u>	200												+				<u> </u>	
	309	End of Hole ST - 2	-			-					├ ───-Ì			·	<u> </u>		<u> </u>	
		htn A													<u> </u>		┟────┤	
	<u> </u>	tele for									┨────┤		+		<u> </u>		┟────┤	
	اا	FERR JUN		·····			li		I		I		L	L	l		لا	L

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				DIP TEST		LEVEL				E	ELEVATIO	ION			н	HOLE NO. ST-I	I-2	
		(QUEBEC) LIMITED	1	AN'	IGLE	LOCATIC	ON 3 + 00	0		F	BEARING	G 025	<u>_</u> 0			HEET No. 1/6	_	
PAT'	INO	(QUEBEC) LIMITEE	FOOTAGE	RECORDING	CORRECTED	SECTION		/W;IU	+UUN		LENGTH							
:			0		<u>-60⁰</u>	SECTION				┈┈╢┈━				<u> </u>	<u>_</u>	OGGED BY P. E	30RM	
I,		/ ↓	200'	-66 ⁰ -66 ⁰	-59 ⁰ -59 ⁰	LATITUDE	E			c	CORE SIZ	∠E AQ			F	PURPOSE EXPL	LORATIC	(ON
	HINING	GIREE II PROPERTY	# 1	1		DEPARTU		50 ⁰		F	FINISHED	· ·			7	TOT. RECOVERY		<u> </u>
		J	462'	-650	_ <u>-58</u> 0		-01	J 		<u>_</u>		Jar	<u>1. 24 -</u>	29,1	981			
FOOT	rage	ıl.				,	J F	1	FOOTAGE	ε '			ASSAY	S		'	RECC	OVERY
·		DESC	RIPTION			GRADE	SAMPLE		,	[,		nnh	nnm	cυ	AU	+		1
FROM	то				_	ESTIMATE	NO.	FROM	то	LENGTH	cu	ppb ••	ppm	CUM. W X A	CUM.	1	RUN	SHORT
	T		<u>*************************************</u>				1		11			1			1		· · · · ·	
0	3	OVERBURDEN		<u></u>			2778	10.8	12.5	5 5.0		38	1.3		1	1% py	۱ <u> </u>	
						·	2779	1'	17.5	5_5.0		13					1'	
3	10.8	GRANODIORITE			<u></u>	'	1'	<u> </u>	<u>+</u> '	ļ'		' ــــــ '	<u></u>	<u></u>		/	 '	
I	∔₽	C.g. massive and fairly homog	geneous with	<u>40% qtz, bi</u>	otite		2780	40.0	45.0	5.0		27	0.4	<u> </u>	<u> </u>	_ /	! '	
J	<u>+</u>	5 - 10%, chlorite - 10% with	<u>_plagioclase</u>	<u>the predomi</u>		'	+ 0702	+==-	·	·'		<u>+</u> '	<u> </u>			_ '	{ '	<u>+</u> '
l	ļļ	feldspar - 40%				'	2781	75.0		2.4	·	tr		<u></u>		1%-py	()	<u> </u>
J	+	<u>Textures - igneous plutonic -</u>	<u>- slightly r</u>	exlted		'	2782	+	78.1		++	1998		0.06oz	∤t_Au _	40% qtz vein	1 + 1%	,∔ру ′
	+#	Alteration - sericite 10 - 15	<u>5% with epia</u> r	ote minor no	<u>st very</u>	·'	2783	f	+ 83.01	4.9	++	48	1.0			1%py	↓ ′	+
ا	┥──┦	distinct] - 2% locally		<u> </u>			2784	ţ	83.1		++	89			+	dtz vein		4
·1	+₽	no_sulphides	<u>4=</u>			'	2785	fi		3.0			0.008			+	tra nu	_ _
10.0						'	2786 2787	t	1020	$\frac{3.5}{1.5}$		480		+		qtz veom +	1% py	<u>+</u> /
10.8	12.5	5 INTERMEDIATE (compositional)	JYKES 500	+- CA damk (2788	t	93.0	1.5		89 27			+	1%py		.+/
·	++	fairly sharp contacts angles and hard (siliceous comp?) ma	$-50 - 00^{-1}$	<u>CO_LA_CCATK_y</u>	The dyke	'	2/00	t	t	+_ <u>D.</u>	++	<u> </u>	0.0	+		+	f	+1
·	++	rock contains about 5% calcit				'	2789	109.0	0 111	5.0	++	20	0.4	+	+	+	1	+
+	++	present from 10.8 - 11.3'	te venning n		VIILE	_ _	2790		114.0			20		+		- 	f+	+ <i>'</i>
ı+	++						<i>+ ² 2 2 2 2 2 2 2 2 2 2</i>	t+		1.0.0.	<u></u>			+	+	+	∮ →→	+
125	88.0	GRANODIORITE	· · · · · · · · · · · · · · · · · · ·	······	<u> </u>		2791	145.6	146.0	4	t+	247	0.6	, †		++	(+	t
		similar or ident. to 3 - 10.8	פי	······································			2792		146.3			117			1	gtz vein		1
·+		c.g. massive gndrt. with 30 -		1% plag, feld	ds little		2793		150.0			34		†	1	1 4 m	1,	_ · · · ·
1		Kspar, biotite - 5%, chlorite	r = 10% and	10 - 15% ser	ricite		, <u> </u>			, , , , , , , , , , , , , , , , , , ,		I			<u> </u>	1		1
		alteration - generally slight	it to moderat	<u>e</u>		-		150.0	155.0	5.0		26	0.6		1			·
·		no sulphides				,	2795		160.0			34	and the second			<u> </u>		· · · · · · · · · · · · · · · · · · ·
·		Included in this are several	sections wh	ere the feld	dspars are a							·				<u> </u>	('	<u> </u>
· I		cream colour. lighter colour:	^:		•			180.0				20			Τ	ľ	1'	'
1		presumably due to the more al	altered nature				2797		190.0			41	0.1		T	/	()	′
:l	<u>الــــــــــــــــــــــــــــــــــــ</u>	ie. sericitized and epidotize	zed and qtz i				- <u> </u> '		+'	- '	4	ب	<u> </u>			/	4 '	 '
· /	ļ]	the feldspar outlines are euc	uhedral.		······			206.3	1211.0'	4.8_'	_]	41				_ /	4 '	↓ '
· !		These sections are generally				/'	2799	 '	214.6	↓3.6 _′	_	34		4		!	4 '	- '
۱ <u> </u>		dyke of similar comp. to abov					2800	'	220.0	<u>↓5.0</u> ′		96	ND		<u> </u>	_ ′	4 '	-
l	+	Qtz veining - 1% with minor p	pyrite in on	<u>e or two of</u>	these	'	'	I	+'	<u>+'</u>		t'	+			- ľ	/ '	_
, <u> </u>	+	4	<u></u>		· ·	·	'		+'	 '		·'		+	<u> </u>	_ _ /	()	·
l	الا	<u> </u>				'	_ '	'ـــــــــــــــــــــــــــــــــــــ	''	<u> </u>		<u> </u>				لــــــا	ا ــــــــــــــــــــــــــــــــــــ	1

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				DIP TEST		LEVEL					ELEVA	TION			н	IOLE No. ST-	2-2	
		(QUEBEC) LIMITED	FOOTAGE	ANG		LOCATIO	N				BEARIN	G	<u> </u>		s	HEET No. 2/6		
PATI	NO	(QUEBEC) LIMITEE		RECORDING	CORRECTED	SECTION					LENGTH	4				OGGED BY		
l														······································		······································		
		PROPERTY				LATITUD	E				CORE S					URPOSE		
						DEPARTU	IRE				FINISHE	D			Т	OT. RECOVERY	,	
FOOTA	AGE			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			F	OOTAG	E			ASSAY	s			RECO	VERY
		DES	CRIPTION			GRADE	SAMPLE	·		1		ppb	nnm	cυ	AU		<u> </u>	1
FROM	τo					ESTIMATE	NO.	FROM	то	LENGTH	H CU	AU PPD	ppm **	CUM. W X A	CUM. WXA		RUN	SHORT
						1												[
		GRANODIORITE (cont'd)						243.5			_	14	0.4					
		within this_section there a	re several p	oints_of_part	icular		4002		246.4				0.5			qtz vein		
····		interests:	<u></u>				4003		247.0			21	0.4				· · · · · · · · · · · · · · · · · · ·	
		<u>-75 - 88.0 - gndrt</u>	with a more	intense seri	cite	_	4004		252.0			27	0.2				 	ļ
		alteration (Ĭ5			(minor)		4005		253.4			172	ND		ļ			ļ
		with 1% f.g. rexl	ted pyrite c	ubes	~		4006		253.7			27	0.1			qtz vein	 	ļ
		<u>-77.8 - 78' - qtz</u>					4007		258.7		_		ND					<u> </u>
· L		<u>-81.3 - 81.8 - f.g</u>	<u> </u>	rt <u>– possible</u>	shear and		4008		264.0	15.0		75	0.1	<u> </u>			l	<u> </u>
·		resultant_rexitat			• • • • • • •		4009		264.5	.5		<u>48</u> 21	0.2					
+	<u> </u>	-86.0 - 86.5 - 40%	OT LNIS SEC	tion is qtz v	eining with		4010		267.7	3.4		- 41	0.4					
		1% py and some gr	eyish materia	al - streaks	possible		4011	286.0	200 7	1 7		75	0.1					
		tellurides?? do	D'T'KDOW TOP	certain			4011		290.7		-	12		No acci	vc??	siderite-qt	y vein	
·	<u></u>	The contract with the next w	nit is some	hat anadual b			4012		296.0			127	0.2	10 0330	<u>ys::</u>	Sides ite-yt		
:		The contact with the next u distinct - since the other	unit is more	hematized	ulls slitt	-	4013		297.7	1.7			0.3			some sideri	te vei	ns
															1			
88.0 1	54.6	GRANODIORITE				,						1				gndrt in dy	ke	
		(88 - 145) GRANODIORITE (al	tered and he	matized)														
		c.g. massive fairly homogen	eous andrt.	with 40% gtz,	40% plag.	•	<u>.</u>						· · · ·	ļ				
		<u>5% biotite, 5 - 10% chlorit</u>	<u>e and serici</u>	te is not in	matrix	1	l			·						<u>qtz vein</u>		
		but is apparently restricte	d to the inte	eriors of euh	edral	:				1		1						
		<u></u>						351.0	356.0	5.0	_	48	0.1			some qtz an	d carb	vein
		<u>feld - sericite and epidote</u>	and qtz - a	pparently lit	tle or no		4020		358.5	2.5		21	ND					
		k-feldspars present.	•			i	4021		361.0	2.5	_	21	0.3					
		<u>Generally the rock is fairl</u>					4022		361.6			14	0.3			<u>qtz vein</u>		
		<u>scratched_easier_than_in_ot</u>	her sections	. The colour	of the rock		4024		366.6	5.0		7	0.2					·
		<u>is a more pinkish – grey</u>					+			+					ļ			
		Sulphidestraces in a ver				1	4025	453.0	458.0	5.0		ND	0.6	 	 	·	ļ	<u> </u>
	∦	Qtz looks slightly rexlted - faintly starting to look like qtz eyes with a higher % of chlorite present in these sections				<u>`</u>	 		<u> </u>	+			<u> </u>	· ·		<u> </u>		
						-	4023			+		ND	0.6		<u> </u>			
		(145.0 - 154.6) GRANODIORIT	ed)			+-+060		•			1-110-	1						
			5.0 - 154.6) GRANODIORITE (sericitized) rt is somewhat sheared with associated? sericite alteration							1		1	i — —					

NO MINES (QUEBEC) LIMITED

COTAGE DESCRIPTION PARCE TIME TO SUMPLE FOOTAGE ASAVE TIME TO SUMPLE FOOTAGE ASAVE TIME TO SUMPLE						SHEET	NO. 3	/6				HOLE	10. ST	-2-3		
Description converte ND. rev rev <th>FOOT</th> <th>AGE</th> <th>·</th> <th></th> <th></th> <th>1</th> <th>OOTAGE</th> <th>Ξ</th> <th></th> <th></th> <th>ASSAY</th> <th>'S</th> <th></th> <th></th> <th>REC</th> <th>OVERY</th>	FOOT	AGE	·			1	OOTAGE	Ξ			ASSAY	'S			REC	OVERY
and accompanied with some qtz veining 1	FROM	то	DESCRIPTION		11		то	LENGTH	1			CUM.	CUM.		RUH	SHOWT
and accompanied with some qtz veining 1 150 160 163.3 163.3 163.3 163.3 150 46.6 47.0 0.4 55ppb 0.5% py tr cpy 4.6 162.5 INTERMEDIATE DYKE 4015 324.5 325.0 0.5 34ppb 0.1ppm prdrt in dyke and 1% or less qtz eyes 0.01 average sharp intrusive looking except broken at both 4018 325.0 327.5 2.5 34ppb 0.3ppm prdrt in dyke contact appears sharp intrusive looking except broken at both 4018 334.5 1.0 69 0.2 " 0/2 " 0/2 " 0/2 " 0/2 " 0/2 " 0/2 " 0/2 " 0/2 " 0/2 " 0/2 " 0/2 " 0/2 " 0/2 " 0/2 " 0/2 " 0/2 " 0/2 " 0/2 " 0/2 0/2 0/2 0/2 0/2 0/2 0/2 0/2 0/2 0/2 0/2 0/2 0/2 0/2 0/2			· · · · · · · · · · · · · · · · · · ·	1	4149	30.2	30.6	50.4		220ppt		,	1	2% DV	1	
4.6 142.6 INTERMEDIATE DYKE 4015 324.5 325.0 0.5 34pph 1 pmm grdrt in dy e 4.6 167.0 m.g.) subophitic textures with 1 - 5% plag. phenocrysts 4015 322.5 0.5 34pph 0.3ppm grdrt in dy e 2.6 Contact appears sharp - intrusive looking except broken at both contacts - but good core angles 60 - 70 to CA 4018 334.5 332.6 1.0 69.0 0.2 04 2.6 Contacts - but good core angles 60 - 70 to CA 2785 83.0 86.0 3.0 0.005 b.008 oz/t 04 2.6 Contacts - but good core angles 60 - 70 to CA 2785 83.0 86.0 3.0 0.005 b.008 oz/t 04 2.6 CANODIORITE (altered and hematized gndrt, otherwise fairly same 88 - 154.6' - altered and hematized gndrt, otherwise fairly same 38.0 2781 75.0 77.4 2.4 tr NN 117 spy 127 spy 147.0 147 spy											1. <u></u>					
4.6 162.6 INTERMEDIATE DYKE 4015 324.5 325.0.5 34pph 0.1ppm order.in dyke and 1% or less qtz eyes 4016 322.6 327.5 2.5 34pph 0.1ppm order.in dyke and 1% or less qtz eyes 4016 322.6 327.5 2.5 34pph 0.1ppm order.in dyke Contact appears sharp - intrusive looking except broken at both 4018 334.5 337.012.5 213 " p.5 " QV contacts - but good core angles 60 - 70 to CA 7285 83.0 86.0 3.0 0.005 0.008 oz/t V contacts - but good core angles 60 - 70 to CA 7281 75.0 77.42.4 tr< ND			 146.0 - 146.3 - qtz vein no sulphide present 		4150	46.6	47.0	0.4		55ppb	D.5ppm			0.5% pv tr	CDV_	
homogeneous massive f.g. med. grey colour with small plag. boths 4015 324.5 325. 0.5 34pph 1.ppm grdrt in dy'e and 1% or less giz eyes 4016 325.0 327.5 2.5 34pph 0.3ppm grdrt in dy'e and 1% or less giz eyes 4016 325.0 327.5 2.5 34pph 0.3ppm grdrt in dy'e contacts appears sharp - intrusive looking except broken at both 4018 334.5 334.0 2.5 213 " 2.5 " QV contacts - but good core angles 60 - 70 to CA 2785 83.0 86.0 3.0 0.005 0.008 oz/t 1 same 88 - 154.6' - altered and hematized 2781 75.0 77.4 2.4 tr< ND						,								10		
(f.g m.g.) - subophitic textures with 1 - 5% plag. phenocrysts 4016 325.0 327.5 2.5 \$40ph 0.3ppm and 1% or less dtz eyes 4017 333.5 334.5 1.0 69 " h.2." - Contacts - but good core angles 60 - 70 to CA 4017 333.5 334.5 337.0 2.5 213 " 2.5 " 0V same 88 - 154.6' - altered and hematized 2785 83.0 86.0 3.0 0.005 h.008 oz/t - same 88 - 154.6' - altered and hematized gndrt, otherwise fairly 2785 83.0 86.0 3.0 0.005 h.008 oz/t - same 88 - 154.6' - altered and hematized gndrt, otherwise fairly 2781 75.0 77.4 2.4 tr< NN	154.6	162.6														
(f.g m.g.) - subphiltic textures with 1 - 5% plag. phenocrysts 4016 327.5 [2.5 34ppb h. 3ppm and 1% or less diz eyes 4017 3315 334.5 [1.0] 69 " h. 2." Contacts appears sharp - intrusive looking except broken at both 4018 334.5 [337.0] 2.5 213 " 2.5 " 0Y contacts - but good core angles 60 - 70 to CA 2785 83.0 86.0 3.0 0.005 b.008 or/t 2 same 88 - 154.6' - altered and hematized gndrt, otherwise fairly 2781 75.0 77.4 [2.4] tr ND 1% py hard, massive and homogeneous with cream coloured plag. feldspars 2781 75.0 77.4 [2.4] tr ND 1% py similar to above mentioned but the feldspars are not hematized 27.1 2202.0 202.0			homogeneous massive f.g. med. grey colour with small plag. boths		4015	324.5	325.	0.5		34ppb	D.lppm			ardrt in dy	/ke	
and 1% or less gtz eyes. 4017 333.5 334.511.0 69 " b.2" Contact appears sharp - intrusive looking except broken at both contacts - but good core angles 60 - 70 to CA 4018 334.5 337.0 2.5 213 " 2.5 " 0Y 2.6 202.0 GRANODIORITE (altered and hematized) 2785 83.0 86.0 3.0 0.005 0.008 oz/t same 88 - 154.6' - altered and hematized 2785 83.0 86.0 3.0 0.005 0.008 oz/t same 88 - 154.6' - altered and hematized 2781 75.0 77.4 2.4 tr ND 1% py same 88 - 154.6' - altered and hematized 2781 75.0 77.4 2.4 tr ND 1% py same 788 - 154.6' - altered section ther coloured plag. feldspars 2781 75.0 77.4 2.4 tr ND 1% py secticite trace pyrite or two places					4016	325.0	327.5	2.5						19		
Contact appears sharp - intrusive looking except broken at both 4018 334.5 337.0.2.5 213 " p.5 " Qv contacts - but good core angles 60 - 70 to CA 2785 83.0 86.0 3.0 0.005 b.008 oz/t same 88 - 154.6' - altered and hematized gndrt, otherwise fairly 2785 83.0 86.0 3.0 0.005 b.008 oz/t hard, massive and homogeneous with cream coloured plag. feldspars 75.0 77.4 2.4 tr ND 1% py contacts - but good core two places 2781 75.0 77.4 2.4 tr ND 1% py contacts - but good core two places 2781 75.0 77.4 2.4 tr ND 1% py contacts - but good core two places 2781 75.0 77.4 2.4 tr ND 1% py contacts - but good core 1% py 2781 75.0 77.4 2.4 tr ND 1% py contacts - but good core 1% py 2781 75.0 77.4 2.4 tr ND 1% py contacts - but good core 1% py 1% py <																
contacts - but good core angles 60 - 70 to CA 2785 83.0 66.0 3.0 0.005 0.005 0.005 0.7/t 1		1	Contact appears sharp - intrusive looking except broken at both										1	ov	1	1
2.6 GRANODIORITE (altered and hematized) 2785 83.0 86.0 3.0 0.005 0.008 bz/t 1 same 88 -154.6' - altered and hematized gndrt, otherwise fairly 2781 75.0 77.4 2.4 tr ND 1% py 1 hard, massive and homogeneous with cream coloured plag. feldspars -			contacts - but good core angles 60 - 70 to CA											14		
2.6 202.0 GRANODIORITE (altered and hematized gndrt, otherwise fairly hard, massive and homogeneous with cream coloured plag. feldspars sericite trace pyrite or two places 75.0 77.4 2.4 tr ND 1% py 2.0 206.0 GRANODIORITE (altered and hematized gndrt, otherwise fairly serie) 2781 75.0 77.4 2.4 tr ND 1% py 2.0 206.0 GRANODIORITE (altered and hematized gndrt, otherwise fairly serie) 2781 75.0 77.4 2.4 tr ND 1% py 2.0 206.0 GRANODIORITE (altered and hematized gndrt, otherwise fairly serie) 2781 75.0 77.4 2.4 tr ND 1% py 2.0 206.0 GRANODIORITE (altered and hematized gndrt, otherwise fairly serie) 2781 75.0 77.4 2.4 tr ND 1% py 2.0 206.0 GRANODIORITE (altered and but the feldspars are not hematized gndrt, otherwise (162 - 202) 2021				1	2785	83.0	86.0	3.0		0.005	0.008	o_7/t	1			1
same 88 - 154.6' - altered and hematized gndrt, otherwise fairly 2781 75.0 77.4 2.4 tr ND 1% py hard, massive and homogeneous with cream coloured plag. feldspars <td>162.6</td> <td>202.0</td> <td>GRANODIORITE (altered and hematized)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td>1</td> <td>1</td> <td></td> <td></td> <td></td>	162.6	202.0	GRANODIORITE (altered and hematized)							1		1	1			
hard, massive and homogeneous with cream coloured plag. feldspars			same 88 - 154.6' - altered and hematized gndrt, otherwise fairly	1	2781	75.0	77.4	2.4	1	tr	ND		1	1% pv	1	1
sericite trace pyrite or two places 2.0 206.6 GRANODIORITE similar to above mentioned but the feldspars are not hematized or the same creamy colour. This might represent a less altered section then above (162 - 202') no sulphides 6.0 214.1 INTERMEDIATE DYKES ident to 154 - 162.6 f.g. rather massive with plag. in matrix as well as (1 - 5%) plag. phenocrysts and 1% or less gtz eyes. Colour - generally greev :=:green with 2 - 3% calcite veining c.g. amasive, homogeneous gndrt. Alteration - slight sericite (10%) and minor epidote - intergrown within plag. boths generally hard rock, med. grey colour with 5% biotite, chlorite Also some sections with rexited?: sericite - up to 15% over		l	hard, massive and homogeneous with cream coloured plag. feldspars	1		1				1				1 × + y		
2.0 206.0 GRANODIORITE similar to above mentioned but the feldspars are not hematized or the same creamy colour This might represent a less altered section then above (162 - 202') no sulphides 6.0 214. INTERMEDIATE DYKES ident to 154 - 162.6 f.g. rather massive with plag. in matrix as well as (1 - 5%) plag. phenocrysts and 1% or less qtz eves. Colour - generally grey :: green with 2 - 3% calcite veining contacts are sharp and 60 - 70' to CA 4. 226.0 GRANODIORITE (214 - 244) generally similar to 202 - 206' c.g. massive, homogeneous gndrt. Alteration - slight sericite (10%) and minor epidote - intergrown within plag. boths generally hard rock, med. grey colour with 5% biotite, chlorite Also some sections with rexited?. sericite - up to 15% over						1							1	1	1	
similar to above mentioned but the feldspars are not hematized						1	1	1]						1	1
similar to above mentioned but the feldspars are not hematized	202 0	206	GRANODIORITE			1	1						1		-	1
or the same creamy colour Ihis might represent a less altered section then above (162 - 202) no sulphides Imit and the section then above (162 - 202) no sulphides Imit and the section then above (162 - 202) 1 Intermediate and the section then above (162 - 202) 1 Intermediate and the section				1	1		1		1					1	1	
This might represent a less altered section then above (162 - 202') no sulphides 6.0 214. INTERMEDIATE DYKES ident to 154 - 162.6 f.q. rather massive with plag. in matrix as well as (1 - 5%) plag. phenocrysts and 1% or less gtz eyes. Colour - generally grey := green with 2 - 3% calcite veining contacts are sharp and 60 - 70' to CA 4.4 246.0 GRANODIORITE (214.4.244) generally similar to 202 - 205' (214.5.244) generally similar to 202 - 205' (214.6.244) generally similar to 202 - 205' (214.7.244) generally similar to 202 - 205' (10%) and minor epidote - intergrown within plag. boths generally hard rock, med. grey colour with 5% biotite, chlorite Also some sections with rexited? sericite - up to 15% over 2" = 6"	· · · · ·	1					1			1				1	1	
no sulphides) ·	1	1					1		1		1	1
6.0 214.4 INTERMEDIATE DYKES	1			ľ			<u> </u>			-					1	
ident to 154 - 162.6 f.g. rather massive with plag. in matrix as well as (1 - 5%) plag. phenocrysts and 1% or less gtz eyes. Colour - generally grey :: green with 2 - 3% calcite veining grey :: green with 2 - 3% calcite veining grey :: green with 2 - 3% calcite veining contacts are sharp and 60 - 70' to CA grey :: green with 2 - 206' (214 - 244) generally similar to 202 - 206' grey :: green within plag. boths (10%) and minor epidote - intergrown within plag. boths generally hard rock, med. grey colour with 5% biotite, chlorite Also some sections with rexIted?: sericite - up to 15% over generally	·				1		1		1			1	1		1	
ident to 154 - 162.6 f.g. rather massive with plag. in matrix as well as (1 - 5%) plag. phenocrysts and 1% or less gtz eyes. Colour - generally grey :: green with 2 - 3% calcite veining grey :: green with 2 - 3% calcite veining grey :: green with 2 - 3% calcite veining contacts are sharp and 60 - 70' to CA grey :: green with 2 - 206' (214 - 244) generally similar to 202 - 206' grey :: green within plag. boths (10%) and minor epidote - intergrown within plag. boths generally hard rock, med. grey colour with 5% biotite, chlorite Also some sections with rexIted?: sericite - up to 15% over generally	206 0	214	INTERMEDIATE DYKES				1		1		1	1		1	1	
f.g. rather massive with plag. in matrix as well as (1 - 5%) plag. phenocrysts and 1% or less qtz eyes. Colour - generally grey :::green with 2 - 3% calcite veining contacts are sharp and 60 - 70' to CA 4.4 246.0 GRANODIORITE (214 - 244) generally similar to 202 - 206' c.g. massive, homogeneous gndrt. Alteration - slight sericite (10%) and minor epidote - intergrown within plag. boths generally hard rock, med. grey colour with 5% biotite, chlorite Also some sections with rexited?: sericite - up to 15% over 2" - 6"		<u> </u>		1		1			1	1		1			1	1
plag. phenocrysts and 1% or less qtz eyes. Colour - generally	!	The second se			1	1	1		1				1		-	
grey :=:green with 2 - 3% calcite veining contacts are sharp and 60 - 70' to CA 4.4 246.0 GRANODIORITE (214 - 244) generally similar to 202 - 206' (214 - 244) generally similar to 202 - 206' (214 - 244) generally similar to 202 - 206' (10%) and minor epidote - intergrown within plag. boths generally hard rock, med. grey colour with 5% biotite, chlorite Also some sections with rexited?: sericite - up to 15% over 2" - 6"	<u>`</u>				#	1	<u>+</u>	+	1		<u>+</u>	1			1	+
contacts are sharp and 60 - 70' to CA 4.4 246.b GRANODIORITE (214 - 244) generally similar to 202 - 206' c.g. massive, homogeneous gndrt. Alteration - slight sericite (10%) and minor epidote - intergrown within plag. boths generally hard rock, med. grey colour with 5% biotite, chlorite Also some sections with rexlted?: sericite - up to 15% over					1	1	†	1	1	1	1	1	1	1		1
4.4 246.0 GRANODIORITE	{				1	1	1	1	1				1	1	1	1
(214 - 244) generally similar to 202 - 206' c.g. massive, homogeneous gndrt. Alteration - slight sericite (10%) and minor epidote - intergrown within plag. boths generally hard rock, med. grey colour with 5% biotite, chlorite Also some sections with rexlted?y sericite - up to 15% over	t				1	1	1		1	1	1	1	1	1	1	1
(214 - 244) generally similar to 202 - 206' c.g. massive, homogeneous gndrt. Alteration - slight sericite (10%) and minor epidote - intergrown within plag. boths generally hard rock, med. grey colour with 5% biotite, chlorite Also some sections with rexlted?y sericite - up to 15% over	211 1	216	GRANODIORITE	1	1	1	1	1	1	1	1		1	1		1
c.g. massive, homogeneous gndrt. Alteration - slight sericite (10%) and minor epidote - intergrown within plag. boths generally hard rock, med. grey colour with 5% biotite, chlorite Also some sections with rexlted?s sericite - up to 15% over	<u> </u>	7.40.		1	1	1	1 .	·]	1	1	1	1	1	1	1	1
(10%) and minor epidote - intergrown within plag. boths generally hard rock, med. grey colour with 5% biotite, chlorite Also some sections with rexlted? 2" - 6"	<u> </u>					1	1	1	1		1		1	1	1	1
generally hard rock, med. grey colour with 5% biotite, chlorite Also some sections with rexlted? 2" - 6"	<u>├───</u> }				1	1	1	1	1		1		1	1	1	1
Also some sections with rexited?: sericite - up to 15% over		1			1	1	1		1	1			1	1	1	†
2" - 6"				 	1	1	1	1	1	1	1	1	1	1	1	†
no sulphides					#	1		1	1		<u> </u>	1	1			†
			no sulphides	<u> </u>		1	1		1	1	+	<u> </u>	1	1	1	†
					1	1	1		1		·	<u>†</u>	1	1	1	+
	الم <u>م</u> ر ومن الم									-h		d				<u></u>

1. Summer

TINO MINES (QUEBEC) LIMITED

A Maria

FOOT	ACE					OTAGE	-			ASSA	HOLEN			RECO	
-001	AGE		GRADE	SAMPLE	F (ASSA 1	rs 			RECO	
FROM	то	DESCRIPTION	ESTIMATE	NO.	FROM	70	LENGTH	* CU	OZ AU	OZ AG	CU CUM. W X A	AU CUM. W X A		RUN	SHO
		GRANODIORITE (cont'd)												 	
				1										1	
		(244.0 - 246.0)						i			+	1		 	-
-		increasing sericite and chlorite alteration in the c.g. massive			·							1	······································	1	1
		grndrt - 10% chlorite overgrowths and 15% sericite no sulphides										1		1	-
															Ť
46.0	298.0	SHEARED GRANODIORITE													
										ļ					
		c.g. gndrt sheared with abundant sericite alteration, also gtz						-		<u> </u>					
		eyes found in place of previous more interlocking grains -	. <u> </u>											l	
		rexitation during shearing. The rock has a good fabric with		<u> </u>							-			 _	ļ
		<u>a 60 - 70⁰ to CA, also the rock is softer than before and is</u>								 _	<u> </u>			ļ	<u> </u>
		moderately sheared throughout the entire section with some more									ļ				ļ
		intense local shears often with some qtz veining and qtz													
		carbonate veining:					+			<u> </u>					+
_		-246.0 - 246.5 - qtz veining with poss. Fe								<u> </u>	<u> </u>			l	<u> </u>
		carb - siderite	·				+							<u> </u>	<u> </u>
		<u>-264 - 264.5 - qtz veining and shearing - biotite</u> and chlorite also	·			·	+				1				<u> </u>
		-290.6 - 293.5 - qtz - siderite vein w. no					·		·····						1
-		sulphides. It is creamy coloured, f.g. with some					1			<u> </u>		1	· ·	l <u></u>	1
		later qtz veins cross-cutting. It qtz - siderite			····	·									<u> </u>
		material intimately associated with the shear										1	· · · · · · · · · · · · · · · · · · ·	1	
		but the upper contact looks sharp - intrusive													1
		type relationship													
		-contact 60 - 70° to CA. The lower contact is							-						
		sheared and part of the shear. There is definate	1 <u>y</u>									ļ			
		a fair amount of siderite present - fizzes in								L		<u> </u>		I	
		HCI when powdered		L						ļ	ļ			ļ	
		epidote stringers in the section in contact with				•					ļ				<u> </u>
		a relatively_unsheared_gndrt_slab_l = 2'_wide			<u>.</u>				_	ļ	<u> </u>				
	 -	-no sulphides present								<u> </u>	<u> </u>			[
		<u>-296 - 298' - another area of siderite concentrati</u>	on						<u> </u>	<u> </u>	·			 	<u> </u>
	 _	(qtz-sid. veins) scattered veinlets 1 - 3" wide	Ļ				+			<u> </u>		ļ		l	
										<u> </u>					╄━━-
										<u> </u>		<u> </u>		ļ	┥───

Citras Land La Constantin

TINO MINES (QUEBEC) LIMITED NES PATINO (QUEBEC) LIMITEE

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7					SHEET	NU. 5	/0	`			HULE	10. ST-			
FOOT	AGE		GRADE	SAMPLE	F(Ε			ASSA	YS	<u> </u>		RECO	OVE
FROM	то	DESCRIPTION	ESTIMATE	NO.	FROM	то	LENGTH	* CU	OZ AU	OZ AG	CU CUM. W X A	AU CUM. W X A		RUN	94
	250			<u> </u>											
298.0	.350.0	INTERMEDIATE DYKES			· · · ·			 	╞───			<u>+</u>			
		ident to before with 2 - 5% calcite veining. The section			}			ł	<u> </u>						<u> </u>
►							+		╄───	<u> </u>			}		+
				<u> </u>					╀━.───		<u> </u>				
~		-within the dyke is a section of gndrt 224.5 - 327.0			<u> </u>			·		<u> </u>					+
		this is sheared and altered gndrt similar to above				<u> </u>		<u> </u>	<u> </u>		+				
		<u>-334 - 337 - qtz - carb. vein no sulphides 0⁰ to CA -</u>	1										·····		
		1/2 of core			<u> </u>	ł				+	+		·		+
250.0	250 0			ļ				<u> </u>	<u> </u>	•••••••••		<u> </u>			+
350.0	<u>.359.</u>	GRANODIORITE (altered)													
			ł	· · · · · · · · · · · · · · · · · · ·			4					+			+
		c.g. altered qndrt with 15 - 20% chlorite, 30% qtz,				ł	-			+		-	·		
		40 - 50% plag. feldspar pinkish grey colour - slightly -	· · · · · · · · · · · · · · · · · · ·		ļ	<u> </u>			<u> </u>		· ·				+
		moderate shearing and altered with 10% carbonate (calcite)	<u> </u>	ļ			·					<u> </u>	<u></u>		+
		and poss. other Fe-carb (not moderate)	<u> </u>			<u> </u>				+		<u> </u>			+
	<u> </u> .	Otz-carb veining fairly common in this section - 5 - 10%				<u> </u>				┼────	+			- <u> </u>	
		-no sulphides but veins contact angles are not good 0 - 15°	1							+		<u> </u>			+
	<u> </u>	to CA		.				· · · · ·	<u> </u>	- <u> </u>	<u> </u>				
050.0			<u> </u>	ļ		}			<u> </u>	+				<u> </u>	
359.0	462.0	GRANODIORITE	<u> </u>	<u> </u>							<u> </u>			- {	<u> </u>
		(359 - 412)	<u> </u>								┥───				
		<u>c.g. gndrt with 30 - 40% qtz, 10% biotite, 10% chlorite</u> ,		<u> </u>						·	<u> </u>				
		40% plag. little or no kspar - rather massive and homogeneous		<u> </u>		<u> </u>				<u> </u>					<u> </u>
		rock with a slight variability in shearing - where the % of	<u> </u>							<u> </u>					
		sericite and chlorite increases		l								<u> </u>			
		Alteration - slight rexlted gtz eyes (grains) and chlorite	Į	┨		ļ	<u> </u>		<u> </u>	+	+		· · · · · · · · · · · · · · · · · · ·	- <u> </u>	+
		overgrowths around them and 5 - 10% sericite as well	<u> </u>	l					<u> </u>			<u> </u>		<u> </u>	<u> </u>
		no_sulphides	l	<u> </u>			+		<u> </u>		<u> </u>				<u> </u>
		<u>261.0 - 261.6 qtz (with lesser calcite) vein - 0⁰ to CA</u>		 					· · · ·					1	+
		1/2 of core		<u> </u>		· · ·			<u> </u>	+					<u> </u>
			 	∦							+	 		- 	
		(412.0 - 462.0)	 	 ·					 	+	+	 			+
			 	<u> </u>					<u> </u>		+	_	·		<u> </u>
		numerous 6" - 1' sections of more hematized gndrt - ie	Į	<u> </u>		ļ						4		<u> </u>	
		felds hematized - also it is somewhat sheared (slight) with		l					<u> </u>		<u> </u>			- I	
		common 10 - 15% sericite; atz 30% - slightly rexited within	<u> </u>	ļ	ļ				<u> </u>	+	·	<u> </u>			_
		this section as well. Carbonate (calcite) commonly 1 - 2%	L	<u> </u>			1	L	L	<u> </u>	1		L		

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TINO MINES (QUEBEC) LIMITED NES PATINO (QUEBEC) LIMITEE

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					SHEET	г но. 6/	/6				HOLE N	10. ST-	-2-2		;
FOOT	TAGE				F	OOTAGE	E			ASSAY	/S		<u> </u>	REC	COVER
FROM	то	DESCRIPTION	GRADE ESTIMATE	E NO.	FROM	то	LENGTH	72 C U	OZ AU	OZ AG	CU CUM. W X A	AU CUM. W X A		RUN	340
!	+											-			
	· · · · · · · · · · · · · · · · · · ·	in patch of alteration					'	+	'	+'	·'	+	4		
+	462.0	END OF DDH ST-2-2		- <u>+</u> '	+	+	'	 	· +'	· +'	+	+			
								1	ţ	<u> </u>	<u> </u>		†	-	
I	↓	Hotos Bom		-			'		· [· · · · · · · · · · · · · · · · · ·						
/	+					_	'	·	'	·+'	· '	4			
J	t			·			'	·'	 '	'	·'				
J	·			'			'	·'	+'	'	·'	+	-		
	·			·'			'	+'	+'	·'	·'	+	+		
+	1		·	·'	+		'	· +'	+'	· +'	· +'	+	+		_
+	1			+	+	+	+	1'	<u> </u>	(/	†	<u>†</u>	+	+	
+	I				†	1	+	1		· · · · ·			<u> </u>		
	1	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·			'		· · · · · · · · · · · · · · · · · · ·		· '			1	
}	· · · · ·			, ,			, '	'	'	'	′				
/				'			'	· ['	'	Ĺ'	<u>'</u> '				<u> </u>
)	↓			·		-	'	· '	·'	·'	·'				
'	↓			'			'	·'	 '	<u> </u> '	·'			<u> </u>	
⁾	t			'			-+'	·+'	+'	+'	+'	+		_	
	├───├ ──	· · · · · · · · · · · · · · · · · · ·		·'	+		·+'	·'	·'	·'	·'	+			
	·		·	· +'	+	+	+'	· +'	·+'	<u>+</u> '	· +'				
	·			'	+	+	+'	· ['	· +'	· +'	t'	+	+		
}				+	+			<u> </u> '	<u> </u>	<u> </u>	†′	1	+		
+	1			1	<u> </u>		·	t	······································	1	· · · · · · · · · · · · · · · · · · ·	1		-	
+	1			,			<u>'</u>			, ,	· · · · · · · · · · · · · · · · · · ·				
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)				′		1	'	·'	<u> </u>	'	-['				<u> </u>
l	<u> </u>			- '		<u> </u>	'	 '	 '	 '					
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	t	·		'		+	'	· '	·+'	<u>+</u> '	<u>+</u> '		+		
	r			·'	+		'	+ '	+ '	+'	<u>+</u> '	+	·		
]	·			· +'	+	+	'	· +'	· +'	<u>+'</u>	t'	+			
	(+	+	+	+	f'	<u> </u>	+	t'	+	+		
					+	+	+	1	+	f	t	+			

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				DIP TEST		LEVEL				E	LEVAT	ION			н	IOLE NO. ST	-II-3	
		UEBEC) LIMITED		ANG	3LE	LOCATIO	N			Е	BEARING	 	50 ⁰		s		/7	
ATIN) (Q	UEBEC) LIMITEE	FOOTAGE	RECORDING	CORRECTED		<u> </u>				ENGTH							
			200	<u>-53⁰</u>	-44 ⁰	SECTION		; L 4+(JUE			4	94'			OGGED BY P.		
	CUTNT	NGTREE II PROPERTY	400'	-53 ⁰	-44 ⁰	LATITUD	E			C	ORE SI	ZE AC)		P	VURPOSE EXP	LORATI	ON
	SUTUR	MUIDEE II PROPERTY	404 '	-52 ⁰	-43 ^ð	DEPARTU	JRE -4	5 ⁰		F	INISHE	D Fe	eb. 7 -	15, 19	1 -	OT. RECOVER		
FOOT	AGE				······································			F	OOTAG	E			ASSAY				RECO	OVERY
FROM	то	DESC	RIPTION			GRADE	SAMPLE NO.	1	то	LENGTH	×	ppb	ppm	CU CUM. W X A	AU CUM, W X A	· • • •	RUN	SHOR
										<u> </u>	cu	AU	AG	W X A	* * *			
							4026		46.5		·{	21	0.4			Q-C vein	<u> </u>	<u> </u>
0	42.0	OVERBURDEN					4027	46.5	51.5	5.0	<u> </u>	_27	0.2		ļ	tr py		
42.0 2	95 0	GRANODIORITE	, <u> </u>		·		402B	No. cr	mple		1				<u> </u>			
74.0 4	.95.0	(42 - 90)		· · · · · · · · · · · · · · · · · · ·			4020			1		<u> </u>					1	+
		c.g. massive, rather homogene	eous gndrt.	Grey-green	colour w.		4029	83.2	83.5	0.3	1	988	2.0		<u> </u>	0-C vein		
		biotite - 5%, chlorite 10%, s	sericite - 10	%, qtz - 30	% - 40%,		4030		84.2		1	343	0.9		1	1% py		
		plag, felds 40%, the rest ksr	oar (little o	r none). A	lso spotty -		4031		84.7			89	ND			Q-C vein 12	DV	
		white-yellow leucoxene? (cou	uld be carbon	ate?) but n	ot siderite.		4032		89.0			21	0.2			tr py		
		likely																
		Alteration: slight - moderat	<u>te - mainly s</u>	<u>ericite and</u>	chlorite		4033	104.2	104.6	0.4	ļ	14	0.1		L	Q-C_vein_		<u> </u>
		Shearing: not too common b	<u>but small (4</u>	<u>- 6") moder</u>	<u>ately</u>		<u> </u>			ļ	<u> </u>				ļ			.
		sheared sections	<u>s are present</u>	with highe	<u>r chlorite%</u>	_	4034		109	1.0_	<u> </u>	_0.1_	ND		ļ	hm'n		
		Sulphides: not present or o	only trace am	ounts of py	rite		4035	109	111	2.0	ļ	14	0.2		ļ	bm'n	- <u> </u>	
·			7 60	<u> </u>			4036	111	112.3	↓1.3 _			0.2			hm'n		
		<u> Qtz-carb. veining (calcite)</u>	<u>1 - 2% on ave</u>	rage									oz/t)		ļ		<u> </u>	
			72-4-4 4-7	<u></u>			4151	116.5	117.0	0.5	<u> </u>	62	ND			tr.py		
		Section of most interest are	Insted_Delow	•		-	4037	107 7	130.0		1	7	ND		┨─────	1.		╀━──┤
		AC D AC EL alterned and	dat w conici	to and chio	rite high %			130.0			<u> </u>	14	0.3			tr py		
		46.2 - 46.5' - altered gno and poss. Fe carbonate (or	urt w. serici	but no py	rice night /	┨────	4038		136.0		<u> </u>	69	ND			tr py chl'	a nign	y
		63.6 - 64.0' - sheared gnd	drt - f a -	ma - high	chlorite	1	40.59	132.9	130.0			1.09					1	
		and 1% py	<u>ur - 1.y</u>	<u></u>	CITIOLICE	1	4040	152.0	154 0	20	<u> </u>	69	ND	1	1	ardrt		
		83.2 - 83.5' - 9tz - carb	vein no sulp	hides		1			1.27.0	<u></u>	1		110	1	1	- grance	1	1
		<u>83.5 - 84.2' - slight shea</u>			ration	1	4152	167.8	168	0.2		110	0.2			0-C veinle	•	
		<u>84 2 - 84 7' - gtz-carb ve</u>										1			1		1	
		89.0 - 89.3' - shear - m.	g f.g. gnd	<u>rt - high c</u>	hlorite		4041	No san	ple									
· <u>!</u>		(00 130 0)			<u></u>		4042	218	220	2.0		21	ND				1	
		<u>(90 - 110.0)</u> <u>c.g. gndrt similar to above</u>	but alteratio	n types are	more	+	17096	1610		<u></u>	1	<u> </u>				grdrt		+
		variable: The predominant t	vpe of altera	tion is a s	lightly	-	4043	223 1	233 0	05	1	42	3.6	1 .	<u>†</u>	tr py shear	1	+
,		hematized andrt W. Creamy CO	loured (presu	mably seric	itized)	1	4043			5.1	1	27	ND		1	tr py	<u> </u>	
		plag. feldspars which are we	11 formed (eu	hedral)		1			· ·		1			1	1		1	<u> </u>
			· · · ·				4045	249.4	250.4	1.0		34	1.5			shear O-C	einin	
	<u>H</u> H							· · · ·	·····						·····			9

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~ <u> </u>					SHEET	2/	7	1			HOLEN	<u></u>	2-3		
FOOT		DESCRIPTION	GRADE	SAMPLE	F(DOTAGE	: 		ppb	ASSAY ppm				REC	OVER
FROM	то		ESTIMATE	NO.	FROM	то	LENGTH	20 20	<u>×0</u>		CU CUM. W X A	AU CUM, W X A		RUN	540
				4046	<u>No sai</u> 264	ple_	L				<u> </u>	L		∦	
		GRANODIORITE (cont'd)		4165	264	266	2.0		21	0.6	L	 	tr py		
		(111.0 - 112.3)		4047	272	274	2.0		_48	0.3	ļ	l	chl'd grdrt	 	4
		<u>sheared gndrt? - rather chloritic - 30% f.g m.g. with 5 - 10%</u>								ļ		ļ		┨────	
		<u>qtz eyes, 20% plag xlts, contacts 70% to CA seem sharp - could</u>		4048	287.5		1.0	 	48	ND	ļ	·	grdrt	 	
		also be an altered dyke - intermediate comp but looks sheared		4049	No sai		ļ	ļ		ļ	ļ	ļ		<u> </u>	1
		and chloritic probably a part of gndrt		4050	No sa		ļ		····	ļ		ļ		ļ	
				4051 4052	<u>No sa</u>		ļ			ļ	<u> </u>	ļ			
		(112.3 - 153.0)		4052	<u>No sa</u> i	<u>ple</u>				I					
~		gndrt c.g. mass similar to 42 - 90' with slight alteration -					ļ			ļ	ļ	ļ		l	1
		sericite and chlorite but in this section the shearing is		4053	293.5	295.5	2.0		_21	ND		<u> </u>		L	
		more frequent with sheared gndrt with a weakly developed fabric		4054					5	ND			Q-C_vein		
		$60 - 70^{\circ}$ to CA		4055		303	5.0		150	0.4		<u> </u>	2 - 3% py		
		Of interest below:		4056	303	305	2.0		123_	0.4			2 - 3% py	i	1
		133 - 136 - shear zone which is fairly sericitized and		4057		309.5			42	0.3	<u> </u>		1% py_local		1
		spotty 1% pyrite (average) but up to a max. of 5% py over 1"		4058	309.5	310.2	0.7		48	ND		<u> </u>	1 - 2% py		
		(153.0 - 193.0)		4059	318.6	319.4	0.8		21	0.1		· · ·	10% Q-C vei	n	
		c.g. gndrt fairly homogeneous, pinkish-grey colour					L	I				<u> </u>			\square
		What is distinctive is the creamy coloured and well formed		_4060	335	335.2				0.4	<u> </u>	<u> </u>	2% py		<u> </u>
		plag. crystalswhich are slightly (sometimes) surrounded by		4061			4.8	I	109	0.3	<u> </u>		1 -2% py		
		hematite (2%)		4062	340	345	5.0		_34	0.1			1 - 2% py	<u> </u>	_
	[<u>– 40% qtz, 40% plag, little or no kspar, biotite chlorite – 10%</u>		4063	345	350	5.0		_27	0.1		<u> </u>	1%ppy		
		Alteration - feldspars - sericite - gtz and epidote (1%)		4064	350	355	5.0		_34	0.2			1% py		
		Shearing - 1 - 2% of section		4065	355	360	5.0		69	0.4			1% nv		
		Qtz-carb [*] (calcite) veining - none (4%)		4066	360	365	5.0		110	ND			1% py 1% by		
		Sulphides - none													
		The contact between this and adjacent units (gndrt etc) is		4067	371.5	376.5	5.0		240	0.9			<u>shear 2 - 3</u>	8% DV	
		gradual since it is largely an alteration difference		4068	376.5	378.5	2.0		35	ND			grdrt		
				4069											
		(193.0 - 240.0)				<u> </u>								<u> </u>	
		andrt ident to 42 - 90'		4070	384.2	386.2	2.0	l	96	ND	<u> </u>		hm'd grdrt		1
		c.g. gndrt, homogeneous, grey colour with 30% gtz,													
		5%biotite, 10% chlorite, 10% sericite, plag - 40%, little or		4071	394.5	399.5	5.0		42	ND			1% py		
		no kspar													
		Alteration - chlorite and sericite around edge of gtz grains		4072	404	406	2.0		62	ND			grdrt		1
		slightly rexited - with moderate alteration in some places			[·	1					1		1	1
				4073	414.5	418	3.5		110	0.1	1	1	1% py		1

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					SHEET	NO. 3	/7			HOL	E NO.	-2-3		
FOOT	AGE				1	DOTAGE	=			ASSAYS			REC	OVER
FROM	то	DESCRIPTION	GRADE Estimate	SAMPLE NO.	FROM	Υσ	LENGTH	% CU	ppb	ppm cur scur	м. сим.		RUN	SHOR
		······································		4074	419	421.7	2.7		55	0.1		1% py		
		GRANODIORITE (cont'd)		4075	421.7		0.2		89	ND		Q-C vein 19	Ø DV	
		leucoxene? yellow? or poss sidrite - 1% locally over 6" - 1'		4076	421.9	424	2.1		42	0.1		1% py		
		atz veins - 1% or less		4077	424	425	1.0		21	ND		1% py		
		no sulphides												
4		219 - 223 - slight - moderate shearing either increased		4078	439.0	441	2.0		55	0.4		tr py		
		sericite alteration and slight shear fabric 60 ⁰ to CA		4079	441	441.3	0.3		_55	0.2		10-C vein		
1		233.4 - 233.9 - nice chloritic shear with a gtz-carb vein		4080	441.3				21	0.1		fractured o	rdrt	
		and 1% py		4081	442.9		0.2		_27_	0.2		Q-C vein		
<u></u>		(240 - 287.0)		4153	448	448.1	0.1		21	0.5				
<u> </u>		c.g. gndrt ident to 153' - 193'			110	<u>110.1</u>	- Vel			- U.D		vein	1	1
<u> </u>		- slightly altered feldspar - creamy coloured, well formed		4082	456	456.3	0.3		41	1.0				+
<u>المعر</u> د (1730	πυυ.υ			4.	├!• ₩		_carb_vein_	1	+
		qtz - 30%, little or no kspar but feldspars are slightly		4083	No sam	010	1 .		+				1	
il		hematized				463.4	1.4		27	0.1		fractured 8	2 . 1 +	dad.
·	 	- 1% gtz-carb veining		4085	463.4	165	1.4		35	0.9		linactured s		neu
il		-no sulphides		4086		466.6	1.6	· · · · · · · · · · · · · · · · · · ·	41	ND ND			1 11	1
		249.4 - 250.4 - shear - very chloritic w. some carbonate		4087	466.6		1.3		41	ND		0-C vein	<u>.</u>	+
·····		veining 60° to CA			467.9		2.0		27	0.5		veining fr	boari	ina
		264 - 274 - gndrt c.g. with feldspars which are not as		4089		476.5		<u></u>	21			QZ veining	Fuear	my
				4090	No sam	h_{10}			- 21			fue verning	1	+
				4091	478.2		0.7		48	0.1		0-C vein	1	
<u>}</u>		grains. Also slightly sheared gndrt between the main type (as above)	· <u> </u>	4092	478.9				34				1	+
1				4092	No san		+					minor Q vei	ning_	+
 		Contact with next unit fairly distinct but gradual		4035		pie			1				1	<u> </u>
		(287.0 - 295.5)		4094	487	489	2.0		27	0.4		2%-DV		
		c.g. gndrt ident to 111 - 153'		4155	489	491	2.0		7	0.4		2% ру 2% ру		
		Has sericite (10%) and chlorite 5% alteration around gtz (40%),												
		hiotite - 5%		4154	469.9	471.1	0.2		27	0.1		2 - 3% py		
		Alteration - variable due to variability of shearing												
		287.5 - 288.3 - shear - fairly large % of chlorite and												
		sericite												
		<u> 291.0 - 292.0 - shear - minor 1% siderite?(or leucoxene?)</u>							1					
		and trace pyrite - increased chlorite (15%) and 10% sericite			L	<u> </u>				ļ			I	
L		292.8 - 293.5 - shear - very chloritic and rexited qtz eye			L		1	<u> </u>		<u> </u>			L	
L		- · · · · · · · · · · · · · · · · · · ·			1							1		

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TINO MINES (QUEBEC) LIMITED

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_					SHEET	NO.	4/7				HOLEN	10. _{ST-2}	-3		
FOOT	AGE		68.8 -	SAMPLE	FC	OTAGE				ASSAY	′S			RECO	OVERY
FROM	то	DESCRIPTION	GRADE ESTIMATE	NO.	FROM	то	LENGTH	* CU	OZ AU	OZ AG	CU CUM. W X A	AU Cum. W X A		RUN	SHOR
															1
295.5	298.0	QUARTZ-CARBONATE VEIN					ļ	ļ						¥	_
		f.g. qtz-carb vein - sheared or at least it has a mod shear					ļ	<u> </u>						<u> </u>	1
Ļ	,	fabric fairly hard grey-greenish colour with some carbonate (les	S				ļ								
		than qtz) - carbonate calcite and possibly other Fe carbonate	···· B								1				
i		trace pyrite and rexited qtz eyes (5% locally)												<u> </u>	
		the vein has sharp contacts 70° to CA								<u> </u>		ļ		<u> </u>	. <u> </u>
200 0	205 0									·					<u> </u>
<u>298.0</u>	305.0								ļ	ļ					+
+		slight to moderate shearing throughout the c.g. gndrt	·												
		chlorite - 10 - 15%, sericite 10 - 15% - rexlted around (rexlted)								<u> </u>				
		qtz eves shear fabric 70 - 80° to CA							<u> </u>					<u></u>	_ _
·		What is important in 2 - 3% py (consistent) throughout this													<u> </u>
ļ		<u>section of sheared gndrt - m.g f.g. rexlted pyrite cubes</u>							l					<u> </u>	
		locally 4% max. (rue)								ļ				Į	_
		Contacts with the adjacent, unsheared gndrt are sharp							ļ			· ·		<u> </u>	<u> </u>
205 0	225 0										<u>.</u>				+
305_0	335 4		•							 				<u> </u>	+
		c.g. massive grey- green coloured gndrt ident to 287 - 295'					· · · · · · · · · · · · · · · · · · ·					<u> </u>			+
ļ		<pre>slightly altered and rexited gndrt - sericite and chlorite alteration - 10% sericite and 10% chlorite</pre>										<u> </u>		<u>†</u>	+
											-			1	+
<u> </u>		shearing variable - generally massive (unsheared) with periodic												<u> </u>	+
		shears	· · · · · · · · · · · · · · · · · · ·							<u> </u>	<u> </u>			<u> </u>	+
		no sulphides in zone sheared_gndrt												<u> </u>	<u>+</u>
ŀ		veining - and carb - general 1% or less				····								8	<u> </u>
		areas of interest:												 	
		<u>306' - 2% py over 1"</u>	•					 	├	<u> </u>				1	<u> </u>
		<u>309.5 - 310.2 - shear with 10% qtz and carb 1 - 2% pyrite</u>	,					<u> </u>						1	+
		also_poss_ Fe_carb (minor)							<u> </u>		+				+
	* ··· ·	318 - 319 4 - shear - chloritic and 10% qtz and carb									<u> </u>			 	+
		veining and reddish Fe carb or hematite (2 - 3%), no pyrite			· · · · · ·										+
335.0	276	SHEARED GRANODIORITE							·		<u> </u>	†		<u> </u>	+
المعاسية		(335 - 345)		•					1	1		1		1	1
ا		Consists predominately of slight - moderately sheared section						1	1		1	1			1
·		of gndrt with a higher % of chlorite (15%) and sericite (10-15%)	·				1			1	1	1		1	1
 		and 2 - 3% calcite in the matrix and most important 1 - 2%					[1	1	1	1	1	<u>†</u>
└──── ∤		pyrite throughout and 1 - 3% qtz-carb veining-60-70° to CA							<u> </u>	t	1 .	<u> </u>	t	1	<u>+</u>

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TINO MINES (QUEBEC) LIMITED

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				SHEET	NU. 3	»//					40. ST-	2-3		
FOOTAGE		GRADE	SAMPLE	F(DOTAGE	Ξ			ASSA	YS			REC	OVE
FROM TO	DESCRIPTION	ESTIMATE	1	FROM	τo	LENGTH	* CU	oz Au	OZ AG	CU CUM. W X A	AU Cum. W X A		RUN	94
L	SHEARED GRANODIORITE (cont'd)	l							· · · · · · · · · · · · · · · · · · ·					
└─── │	(345.0 - 365.0)				ļ	_	L	<u> </u>						
└───┤────┤──	c.g. gndrt with a higher chlorite %, most probably slightly	ļ			ļ				-	-				<u> </u>
·	sheared gndrt - chlorite (10 - 20%) and 2 - 3% calcite in matrix		· .	·····				ļ					-	
	and poss. 1 - 2% siderite?? in the rexited section. This	l			ļ			ļ			<u> </u>		_	4
	section is rexited and sheared but not as much as 335 - 345'					-		ļ						_
	<u>Sulphides - pyrite 1% (), but locally 1 - 2% max. over</u>	 	 										-	
	1" - 2" sections	l			ļ				ļ					
		 			ļ					ļ		ļ		
	(365.0 - 371.0)				ļ				<u> </u>				_	
	c.g. gndrt not as sheared as 345 - 365" or 335 - 345' no				ļ		t							
	sulphides								ļ	· ·		L		-
									ļ					4_
	(371.0 - 376.5)	<u> </u>						ļ	<u> </u>			L	_	+
	Sheared c.g. gndrt with 20% chlorite and 10% sericite and poss.	ļ		- -	1				1	<u> </u>	<u> </u>			╞
	siderite and 2 - 3% calcite in matrix and 2% pyrite (rexlted								. <u> </u>			L		<u> </u>
	cubes)	Į											<u> </u>	4
276 5 462	CRANODITE	l		· · · · · · · · · · · · · · · · · · ·	÷		· · ·	<u> </u>	+					+
376.5 462.0	GRANODIORITE	∦				-		<u> </u>						+
	(376.5 - 391.0)		ļ		<u> </u>			<u> </u>	+					+
	gndrt c.g. but with strongly hematized feldspars - pink colour	 											-	\vdash
	this signifies an alteration change and the change is gradual	ļ			<u> </u>			<u> </u>	- <u> </u>					
	but distinct				ļ						4			+
	No sulphides					·		ļ						+
	included in this section (at 383 - 384.2) INTERMEDIATE DYKE -		ļ											+
	sharp contacts - 60 to CA - chlorite matrix - dark green with		┦────┤					<u> </u>						╇
	5% plag phenos and 1 - 3% qtz eyes - f.g. and massive	l	 					┫─────	. 				- <u> </u>	+
	- no sulphides													+
		 	∦						<u> </u>			l		╞
	(391.0 - 448.0)		<u> </u>						+					+
	gndrt ident to 305 - 335'	l	l										-	+
	c.g. gndrt. massive. greyish colour generally with - sericite	<u> </u>	∦					<u> </u>	+					+
	10%, and chlorite (10%) alteration and slightly rexited qtz eyes	<u> </u>	 		ļ	+		<u> </u>	+					+
	This massive gndrt contains some periodic slightly shear section	k	 		 	<u> </u>		<u> </u>	4				-	+-
	of gndrt - with a higher % of chlorite and poss more sericite and weak shear fabric 60° to CA	 	ļ!		 				· · · ·		<u> </u>	l		+-
	and weak shear fabric 60° to CA							ļ	<u> </u>					_
	These sections usually contain 1% to trace pyrite	ä	Ú		1			<u> </u>	<u> </u>		1	1	1	⊥

NES PATINO (QUEBEC) LIMITED

	•			SHEET	NO. 6	5/7			-	HOLEN	10. ST-	2-3		
FOOTAGE		GRADE	SAMPLE	FC	OOTAG	Ξ			ASSAY	′S			REC	OVER
FROM TO	DESCRIPTION	ESTIMATE	NO.	FROM	то	LENGTH	*. CU	oz Au	OZ AG	CU CUM. W X A	AU CUM. W X A		RUN	540
								<u> </u>		ļ				<u> </u>
	GRANODIORITE (cont'd) and a small % of carb veins and qtz-carb veins (1 - 2" wide)	ļ	1											+
· ·	Areas of particular interest:							1	,		+			+
· · · · · · · · · · · · · · · · · · ·	394 - 399.5 - slightly sheared gndrt with a high (20%)		<u> </u>		<u>}</u>				1	· }				+
· · · · · · · · · · · · · · · · · · ·					<u> </u>					<u> </u>				+
*	414.0 - 424.0 - slightly sheared gndrt - higher % chlorite									1				+
				<u> </u>				·	<u> </u>			l		<u></u>
	and some 1 - 2% epidote also a fairly consistent			<u> </u>				+						<u> </u>
4	distribution of sulphides 1% py					÷								+
	421.7 - 421.9 - qtz-carb vein and 1% py		<u> </u>					<u> </u>	<u> </u>		<u> </u>			<u>+</u>
÷	441.0 - 441.3 - qtz-carb vein													<u> </u>
	442_9 - 443_1 - qtz-carb vein													<u>+</u>
	(448.0 - 462.0)		+					+					#	+
·····	moderately hematized gndrt, c.g. massive - pinkish colour							+		 	<u> </u>			+
ų				<u> </u>				+						+
	with 10% chlorite overgrowths and 2% yellowish f.g m.g.			 		+				<u> </u>	<u> </u>			<u>+</u>
·	crystals (local) probably on Fe carb?, qtz eyes slightly rexited					-					+			<u> </u>
	456.0 - 456.3 - qtz-carb_vein 4% pyrite	•						†					1	
462.0 476.5	SHEARED GRANODIORITE												1	<u>}</u>
	moderate - strongly sheared gndrt with accompanying												1	1
	characteristic alteration - intense - strong sericite (high %)		*					<u> </u>	4	1			1	<u> </u>
	and chlonito (high %) with hematite minor: weak - mod							1	ļ .		1		1	
1	and chlorite (high %) with hematite minor; weak - mod. developed shear fabric 60 - 70° to CA		1					1		1			1	<u> </u>
	no_sulphides		1	<u>†</u>						1			1	-
	5% atz-carb veins			1							1		Ī	
P	466.6 - 467.9 - gtz-carb vein									1			1	-
				1				1					1	
476 5478 2	INTERMEDIATE DYKE					•					1		1	1
4/0-04/0-2	f.g. hard rock, homogeneous, grey colour slightly sheared												1	
	charp contacts (probably intrusive) - estimated as a dyke of										1		H.	
						•								
	to CA										1		1	
	no_sulphides			1					1		1			1
		1	1								1		1	
														
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NO MINES (QUEBEC) LIMITED

	-				SHEET	NO. 7/7	/7	_			HOLE	NO. ST-	2-3		k
FOOT	AGE	//////////////////////////////////////				OOTAGE	E			ASSAY	YS	<u> </u>		REC	COVERY
FROM	то	DESCRIPTION	GRADE ESTIMATE		FROM	то	LENGTH	74 C U	OZ AU	OZ AG	CU CUM. W X A	AU CUM. W X A		RUN	SHORT
!	ŧŧ	y		/	 '		-] '		<u> </u>		<u> </u>		· [
478-2	483.5	GRANODIORITE	+	-	+ '	+	'						· +'	·	
J	++	c.g. gndrt with 30 - 40% qtz. Alteration - sericite (10 - 15%)		++	t'	+	+'		+	+	+	+	· +'	·+'	+
	r #	and chlorite with several qtz-carb veins 478.7 - 478.9 - qtz-carb vein with 3 - 5% py	1	++	[+	+		+	+		+	+	-#'	
•	1	4/8./4/8.9~~ qtz-cdrb rem minin		++	[]	1	++	1	+	+		+	f'	+	+
483.5	495.0	INTERMEDIATE DYKE		1	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·		1	1				1	1
	+50.0	f.g. grev massive_dyke with 10% hematized plag. phenos_and)	'		/						· · · · · · · · · · · · · · · · · · ·	ľ ′	
·		<pre>f.g. grey massive_dyke with 10% hematized plag. phenos and</pre>		1	· ['		'						· '	, j	
,'	· []	ident_to_other_intermed_dykes		_ _ '	· '		<u> </u>			-			·	_ '	
!	₽	۳ ۲	4	_ _ '	·'		'		<u> </u>	+	<u> </u>	<u> </u>	·'	'	<u> </u>
	<u>+</u>	۳ ۱۹۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰		J	+'	+	'	+	+			+	- '	'	
!	495	END OF HOLE ST - 2 - 3 - 18 BOXES			t'	+	- <u>+</u> '		+	+		+	- '	·'	+
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	·#	Atte Kon	f	++	[]	1	+	+	+	+		+	t'	f	+
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				DIP TEST		LEVEL					ELE\	VATION			н	OLE NO. ST-	-11-4	
		UEBEC) LIMITED		ANG	GLE	LOCATIO		E; 16+5	ON	#	BEAF		50 ⁰				-	
TIN	0 (Q	UEBEC) LIMITEE	FOOTAGE	RECORDING	CORRECTED	<u> </u>	9.001	., 1013									of 4	
			200	-570	-49 ⁰	SECTION					LENC	<u>3TH 4</u>	26'			OGGED BY P.	BORN	
C 11			400	-55 ⁰	-47 ^Ô	LATITUD	E			ĺ	CORE	ESIZE A	Ç		P	URPOSE EXP	LORATI	ION
<u>SH</u>	INING	REE II PROPERTY		-50 ⁰	-41 ⁰	DEPARTU	IRF	0			FINIS	SHED For	<u> </u>		T	OT. RECOVERY		
			426		-41			<u>-50⁰</u>				Feb_	<u>. 16 -</u>	19,19	81		, 	
FOOT	AGE							1	TOOTAG	E			ASSAY	'S			RECO	OVERY
		DE	SCRIPTION			GRADE	SAMPLE		1			* ррb	ppm	¢υ	AU		1	
FROM	то					ESTIMATE	NO.	FROM	то	LENGT	" с		AG	CUM.	AU CUM. W X A		RUN	SHORT
							4108	62.7	62.8	3 0.1	1	tr	0.07	ox/T		10% py Q-C	Join	
0	40	OVERBURDEN															Yern-	
				••••••••••••••••••••••••••••••••••••••			4109	66.8	67.8	8 1.0	2	55	ND			dyke		
40	102	DIORITE DYKE	a a construction and a construction of the second	<u> </u>		<u> </u>		L		·	_				<u> </u>			ļ
		med_grey_colour, even_tex plag_40%, qtz_5% or less,	xtured m.g. to	slightly por	phyritic —	· · · · · · · · · · · · · · · · · · ·	4110	97.0				42	0.1			fracture zo	ne in	dyke .
		plag 40%, qtz 5% or less,	carbonate 2 -	3% (calcite)	, biotite,		4111	98.5	98.8	3 0.:	3	48	0.1	<u> </u>	<u> </u>	Q-C vein	<u> </u>	
		<u></u>		<u> </u>			4110			<u> </u>					<u> </u>			L
		Alterationslightesse	entially_not_ve	ry altered -	minor		4112	<u>111.7</u>	113.7	2.(<u>)</u>	14	ND		<u> </u>	minor QV +	fracti	re
			ssive_texture			_	4113	µ113.7_	118.3	3 <u>4</u>	5.	34	0.1		ļ	vein/granop	<u> ryre</u> _	ļ
		<u></u>					0770			. <u> </u>			ļ		<u> </u>			
		qtz_carbonate_veining2	6 - 70% <u>to_CA</u>		·		4114	No_san	ple	ļ			1	·				ļ
		<u>62.7 - 62.8 qtz-carb.</u>	vien with 10%	pyrite			4167		<u> </u>						ļ		<u> </u>	<u></u>
		lower contact of unit	is sharp and i	ntrusive loo	king		4167	123.7	124.7	4_1_(Ч	34	0.2	<u> </u>		tr py in gr	drt	
							4115						<u> </u>		<u> </u>			ļ
102 1	29.1	GRANODIORITE					4115	125.0	126.0		2	21	0.4			Q-C vein		l
		c.g. massive - slightly fo	pliated (50° to	CA), gndrt	generally	-	4116	126.0	127.8	3	B.	41	ND			shear zone	<u> </u>	ļ
		grey slightly pink in plac plagioclase 40%, biotite !	<u>ces. Otz 30 -</u>	40%, feldspa	r_mostly		4117	<u> </u>		<u></u>			<u> </u>	<u> </u>			<u></u>	<u> </u>
		plagioclase 40%, biotite	<u>5 - 10%, chlori</u>	<u>te 10% seric</u>	<u>ite 5 - 10%</u>		4117	No san		_			<u></u>				_	<u> </u>
		<u>Alteration - slight - wea</u>	<u>k – sericite ar</u>	<u>d_chlorite</u> a	nd epidote		4118	No san	ple				<u> </u>		 		<u> </u>	<u> </u>
		<u>(1-5%) also minor hematite</u>	2	1			4110				_				<u> </u>		#	
		slight shearing and minor		(intermediat	e comp)		4119	<u> 154_0</u>	155.0	1.0	2	34	0.2	.	<u> </u>	weakly_hm'd	fract	4
		<u>trace pyrite in a few place</u>	ces			_	4120	2				27						<u> </u>
		Included in this section		·····	·····		4120	μ/ι.Ο.	172.0	1_(Ц	<u> </u>	0.1		<u> </u>	dyke weakly	fract	
		<u>113.7 - 118.3 - looks</u>	like sugary f	<u>g. qtz-kspar</u>	<u>rock type</u>		4121	100 0	100 7		_				<u> </u>		H	
		<u>(25⁰to CA) contacts not s</u>	harp but almost	gradual and	stockwork		4122		188.7			27	ND			1 - 2% py	<u>+</u>	┨────
		<u>type_in_places_(with_integ</u>					4122	1188-1	189.7	┤↓ _↓	<u></u>	14	ND		<u> </u>	grdrt	+	<u> </u>
		phenomena - mafics 5 - 10					4123	105 5	195.7			21	0.7		<u> </u>	· · · ·	 	<u> </u>
	<u> </u>	pink_colourAlterativel	y this could re	epresent a ve	ry unique		<u> </u>	1722	195./	1-0.4	<u> </u>	<u> </u>	<u> </u> U./	· ·	1	pk_carb_vei	p	<u> </u>
		type of qtz vein??	200		0 100+-	C	4124	205 5	207.0	1 7.4	<u>_</u>	41	ND			altered grd		
		$\frac{125.0 - 126.0 \text{ qtz}}{126.0 - 127.8 - \text{sheat}}$	aro vein - 30%	blorite and	<u>- U - IU l</u> O.			1403.5		4	*-{	<u>++ I</u>	#¥U	1	<u> </u>	la rrenea gra	#ik	†
+						<u> </u>	4125	218	219	1.0	-	21	0.1			shear dyke	h	<u>+</u>
		lower contact - next unit	looks intruciv	e to fabric	ofca	-	4126	219	220	1.0		21	0.1	+	1	Shear dyke	# _	<u> </u>
		gndrt		E LU TAUTIL	VI_Veye	·····	#JEX	4612		┼┉╍┦╼╾┡		<u> S.I</u>				-isneared grd	rt	

Same and

FOOT	AGE			1	E	OOTAGE			ASSAY	HOLEN		11-4	RECO	
ROM	TO	DESCRIPTION	GRADE Estimate	SAMPLE NO.	1	To	LENGTH	* ррђ	ppm	CU CUM.	AU CUM.		RUN	.UVE
				4107	007.0			CU AU	A.G	W X A	* X A			+-
	100 0	INTERMEDIATE DYKE		4127	227.6	228.6	1.0	34_pp	b_ND_p	pm	+	shear w tr	₩ру	+-
7.1	123.0			1120	200 0	070 0				+	· +		╉━━━━	+-
		<u>f.g. grey green rock with plag. phenos - 20% and 1 - 5% qtz</u> eyes (perhaps more) fairly hard rock		4128	268.0	2/0.0	2.0	96_pp	<u>р_ND</u>		+	grdrt	╉────	+-
				4120	289.5	201 0	A 17				+	3.5		+
		Alteration - some chlorite and sericite but not very strong feldspars - sericite and epidote		4129 30	294	294.0	4.0	tr	0_01 ND	<u> </u>		15 -20% sto	lçkwor	K -
		hematite content variable - more common 150.0 - 160 with a		31	298	302			1	<u> </u>				+
		pinkish colour		32	302	302	4.0	tr	ND	<u> </u>	·	3%	<u> </u>	+-
	<u> </u>	shearing - variable - usually not very much except 5 - 10' from		33	302	307.2		tr		<u>+</u>		3%	<u></u>	+
		lower contact		33	307.2			tr	-0.04	+		25%	1	+-
		qtz - carb veins - 1 - 2%		35		309.0		tr	ND 0.04	<u> </u>	<u>+</u>	5% 2%	<u>.</u>	+-
		no sulphides			311.4	217 0	2.4	tr	ND	<u>+</u>		65%		+
		lower contact - not too distinct		37	311.8	212 0	0.4	tr	ND_			2%		+
					313.8			tr	0 02	<u> </u>		65%		+
2 0	207.0	GRANODIORITE		39	314_5	216 0	2.0	tr		1		1%	1 <u>0</u>	t
2-14	<u> </u>	c.g. massive andrt ident to 102 - 129' - 30% atz etc.		40	316.0	270 0	2.0	0.02		1	1	25%		t
		Alteration - slight - sericitation and chloritization -variable		41	318.0	220 0	2.0					6%	11	1
		10 - 20% each also variable hematization of feldspars			No_sam		2.0	P	4_ <u>102_</u> p1		1		1	1
		Shearing not very prominant - but some f.g m.g. gndrt	-	<u></u>	#10-3aiii	<u>р іе</u>		ppb	ppm	1				T
		(sheared)		4143	336.1	337.6	1.5	34	ND		<u> </u>	minor shear	line	T
		- qtz - carb veining - 3%			No sa							I Shear	ping	
		Sulphides - trace pyrite - especially 188.0' - 188.7' -								1	1			T
		1 - 2% py		4145	385.0	386.0	1.0	48	ND	1	1	ardrt	[T
		205.5 - 207.0 - this section is more altered and sheared			386	387.3		41	0.5			o_c veining	1	
		with a higher % of sericite and chlorite. Fabric 60° to CA		4147	B87.3	388.3		48	ND			sheared ard		T
					1	1				1	1	group of the second	1	
7.0	219.0	INTERMEDIATE DYKE		4148	408	410	2.0	48	ND			altered grd	rt	
		ident to 129 - 173'												
		m.g f.g. grey green rock with 10% hem. plag felds and 1 - 5%												
		gtz eves - chloritic matrix and 10% carbonate in matrix												
		shearing - variable but usually minor 45 - 50° to CA												
		contacts are fairly sharp but hard to see							L				L	\perp
													L	\bot
9.0	289.9	GRANODIORITE			l	L			l	1	<u> </u>			1
		c.g. massive gndrt - grey-green to greyish (pink) colour			I	ļ	·			<u> </u>	ļ		1	\perp
		<u>qtz 30 - 40%, feldspars mostly plag - (40%), chlorite(10 - 15%)</u>			ļ				ļ	ļ	ļ	ļ		\perp
		sericite - 10 - 15%									1		<u> </u>	\bot

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					SHEET	г но. з	3 Of 4				HOLE	NO. ST	<i>i</i> -II-4		1
FOOT	AGE		1		FC	OOTAGE			<u></u>	ASSAY	YS		,	RECO	OVERY
FROM	то	DESCRIPTION	GRADE Estimate	E NO.	FROM	то	LENGTH	7. C U	OZ AU	OZ AG	CU CUM. W X A	AU CUM. W X A	·	RUM	SHORT
							,						;		
	<u> </u>	GRANODIORITE (cont'd)	1	′			'	· · · ·					r		
	<u> </u>	Alteration - slight - med sericitization and chloritization	4	′	<u> </u>		'					′	!'		
	1	plus variable hematization of feldspars - absent in first 10'	<u> </u>	′	1		'	- '				′	j'	'	<u> </u>
	+	but present after that with 6" - 1' patch of creamy coloured	#	'	_ _		'	'				'	J	· · · · · · · · · · · · · · · · · · ·	/
	<u>+</u>	plag_felds_common	<u> </u>	-#′			′	- ′		4		'	′	4'	11
	+	Also minor dyke material (intermed.) near its contact	┫	- '	+		'	- '	<u> </u>		<u> </u>	'	- ''	- '	↓]
	—	Shearing variable - usually not sheared 219.0 - 219.5 - shear - 45° to CA (fabric) and high chlorite	4	'	+		'	'				'		 '	<u>+</u>
I		219.0 - 219.5 - shear - 45° to CA (fabric) and high chlorite	4	'		_	<u> </u>	- '	<u> </u>		<u> </u>	'		4'	<u>+</u>
I I		in gndrt	4	'			_ '	- '				'	- ′	 '	∔/
¥	+	226.3 - 228.6 - shear - moderately sheared gndrt with high		_ _ '	4		'	'		4		'	· "	<u> </u>	<u> </u>
ļ.	 	chlorite_% and sericite	 	<u> </u>	·'		'	'				'	- "	 '	<u>+</u>
	↓		 	- '	·+'		- '	·+'		<u> </u>	<u> </u>	′	- / ′	 '	+I
289.5	<mark>₿20. /</mark>	O CALCITE and HEMATITE STOCKWORK VEINING	 	'		- <u> </u>	'	'			<u>+</u>	'	'	_ '	+ /
	<u>+</u>		{ 	- '	·		'	·+'		+		'	·'	/ '	+!
N	t	This section consists of granodiorite - slightly altered type	+	<u>+</u> '	·+'		'	·+'	+	<u> </u>		+'	· +'	# '	+1
 	 	which is fairly intensely veined (stockwork fashion) with	+	- '	· +'	<u> </u>	'	+'	+		+	'	+	4'	+
ļ ļ ļ	 	calcite and hematite veins and possible other minor Fe carb.	#	'	· +	+	·'	+ '	+		+	'	·+'	+ '	+!
ļ ļ ļ	<u> </u>	The % of vein material is 15 - 20% (with the exception of	t	'	· +'	+	'	+ '	+			'	· +'	4 '	+!
H	<u>+</u>	<u>298.0 - 306.0) - a mixture of intergrown calcite and hematite</u>	#	·'	+'	+	·'	· +'	+				<u>+</u> ′	! '	+!
	<u> </u>	(also) minor specular hematite) precipitated along the edges of the veins (70 - 90° to CA)		/	∮ ────'	<u> </u>	I	<u>↓</u> ′	<u> </u>			′	<u> </u> ″	<u> </u>	
	↓	no sulphides present	4	- '	· []		<u> </u>	- '	4			′	_ ′	 '	
		<u>The biggest break in the stockwork is 298 - 306' where 2 - 6%</u>	4	′	'	<u> </u>	'	- '				′	_ ″	<u> </u>	JJ
		veining occurs. Elsewhere higher % and fairly consistent.		- - '	· '	<u> </u>	<u> </u>	- '				′	· ['	Ļ]
	I	The contact where the stockwork veining ends is somewhat	f	- '	·'	_ _	- <u>-</u> '	 '				'	· ["	 '	+!
	 	gradual - ie. where the density of veins decreases sharply	+	·'	- 	<u></u>	<u> </u>	·+'	+			'	·'	 '	+1
Li	+	/	{	'			'	· +'	+		+		· +'	 '	t
320.0	 426 . ′		4	+'			. <u> </u>	·'	+			'	· ['		+!
↓ ∔ ↓		(320 - 373.2)	+	<u> </u>	·			·'	+	+	+	'	+ <i>'</i>	+ '	+
↓↓	<u> </u>	c.g. gndrt rather massive and homogeneous	t	<u> </u>		4		·+'	+		+	+'	· +'		t
┟╏────┤	 	qtz 30 - 40% feldspars mostly plag - 30 - 40%, chlorite 10%,	(- <u>+</u> '		+	+	·+'	+		-	'	· [/		+
₽	 	sericite 10%	f	<u>+'</u>	·'		'	·+'	+			'	· +'		├ ───┤
↓↓	 	Alteration - moderate sericite and chlorite and variable	+	- '	· +'		'	· +'	+		+	'	·'	 '	+
↓ →	 	hematitization - locally intense also 2 - 10% carbonate	+	- '	·		'	· +'	+		+	'	· ['	 '	+
┟┨───┥	 	(calcite) in matrix	+	<u>+</u> '			'	·'	+		<u> </u>	'	+'		+
┟ ╢────┤	t	<u>qtz-carb veining 1 - 2% stockwork veins (as above) only in</u>	f	'	·		'	- '	+			'	+'	 '	<u>+</u> !
┟└────┘	·	320 - 331 - 2% or less		_ ′	·		/	·ــــــــــــــــــــــــــــــــــــ	4	4		′	·		4

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		· ·			SHEET	NO. 4	of 4				HOLEN	10. ST-	II-4	-	
FO	DTAGE				1	DOTAGE				ASSA	rs			RECC	OVERY
FROM	и то	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FROM	70	LENGTH	% CU	OZ AU	OZ AG	CU CUM. W X A	AU CUM. W X A		RUN	SHORT
		GRANODIORITE		<u> </u>				ļ	ļ	<u> </u>				4	<u></u>
- <u> -</u>				l		<u> </u>				ļ				4	<u></u>
<u></u>		Shearing - not too frequent				<u> </u>	-	<u> </u>		ļ			ļ	4	<u> </u>
- <u> </u>		Sulphides - none			ļ		+	<u> </u>	ļ		<u> </u>			4	ļ
<u>+</u>		Locally more intensely hematized sections:	-		 			ļ							_
		(373.2 - 426.0) hematized gndrt	-					·	<u> </u>	<u> </u>				╉────┘	
	-	c.g. gndrt as in 320 - 373.2 except the predominant type of	-				+	<u> </u>				+			+
- li		alteration is that of a strongly hometized and the nink colour		-			+							╂────┤	<u> </u>
	-	alteration is that of a strongly hematized gndrt - pink colour both matrix and crystals. Several less hematized sections									<u> </u>	+		+	
1		are found in here but not major. The transition between in							<u> </u>	<u> </u>	+	+			
		gradual - alteration type etc						<u> </u>	<u> </u>		1	+			
		otz-carb veining - 1% or less except one major vein	1				1	<u> </u>				1		<u> </u>	
-		<pre>qtz-carb veining - 1% or less except one major_vein 386_0 - 387_3 - qtz -carb vein - 50% of this section 70 - 60° to CA</pre>	1	·		1		1			1	1		1	
	-	$70 - 60^{\circ}$ to CA	1									1	······	1	
								1	<u> </u>		1	1		1	
1	426	END OF HOLE ST = 2 - 4 18BOXES					1		1		1	1		1	
											1	1		1	
1															
														1	
		K-h Boah													
												T			
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File.

JUN 2 4 1981 E. F. ANDERSON TO E. 6450

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W. SOOD V. LEONAR 7

J. R. MORTON J. C. SMITH

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT U FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT U TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC

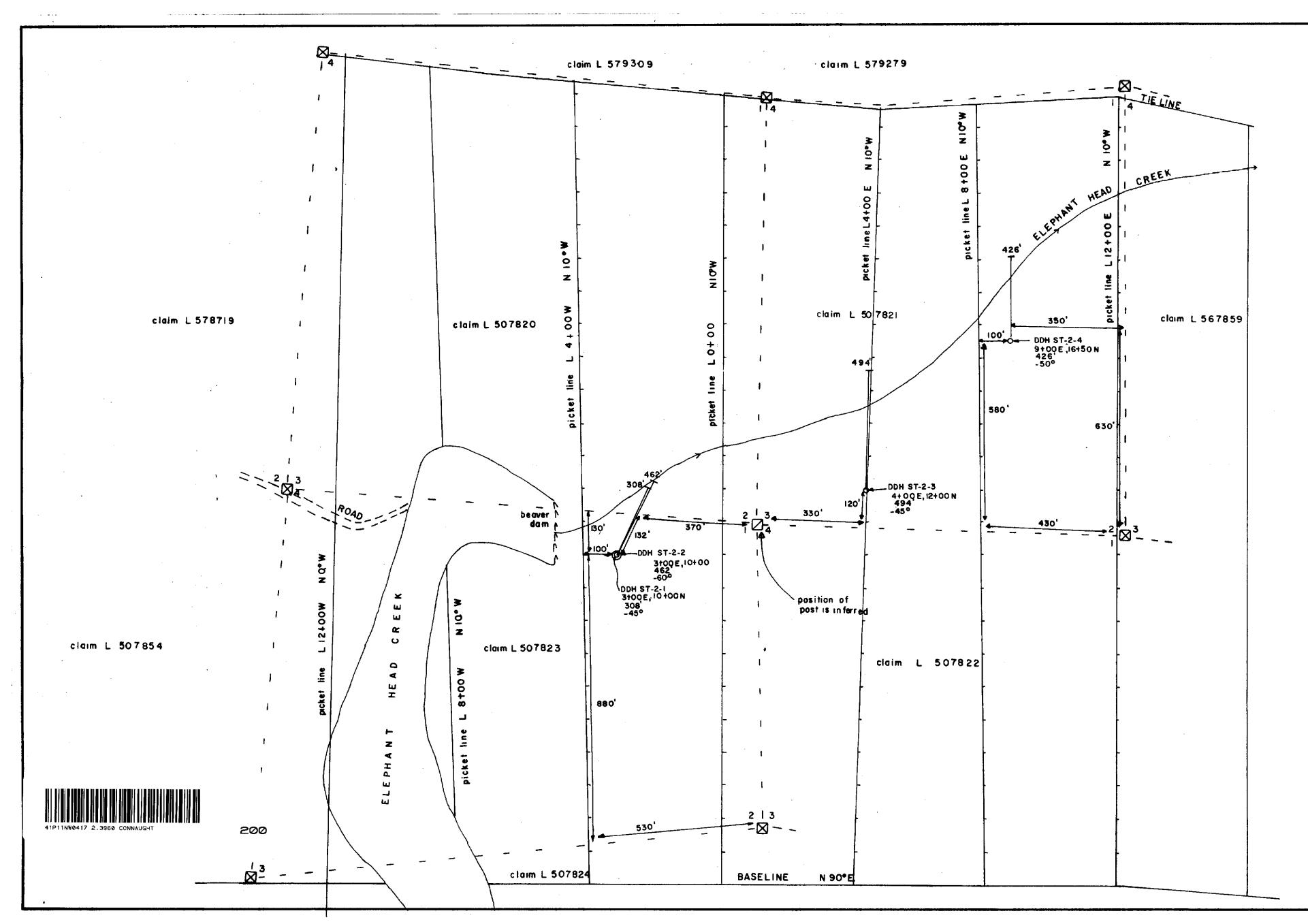
Type of Survey(s) <u>Geological</u> Township or Area <u>Connaught Twp</u> .	
Claim Holder(s) <u>PATINO MINES QUEBEC LIMITED</u> SUITE 1401, 7 King St. E., Toronto, Ont.	MINING CLAIMS TRAVERSED List numerically
SUITE 1401, 7 King St. E., TOPONTO, UNT. Survey Company <u>PATINO MINES QUEBEC LIMITED</u> Author of Report <u>PETER BORN</u> Address of Author <u>c/o Box 8000 CHIBOUGAMAU</u> , <u>QUE</u> Covering Dates of Survey <u>Sept. 1980 to June 1981</u> (linecutting to office) Total Miles of Line Cut <u>16 miles</u>	L 507854 (prefix) (number) L 507855. L 507856.
SPECIAL PROVISIONS CREDITS REQUESTED DAYS per claim ENTER 40 days (includes line cutting) for first -Electromagnetic Ine cutting) for first -Magnetometer survey. -Radiometric ENTER 20 days for each -Other additional survey using Geological 20 same grid. Geochemical - AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys) Magnetometer Electromagnetic Radiometric DATE: Magnetometer Algo apply to airborne surveys) Magnetometer SIGNATURE: Algo apply to airborne surveys) Magnetometer Oualifications 23604	L
Res. Geol. Qualifications Qualifications Previous Surveys File No. Type Date Claim Holder	
	TOTAL CLAIMS16

OFFICE USE ONLY

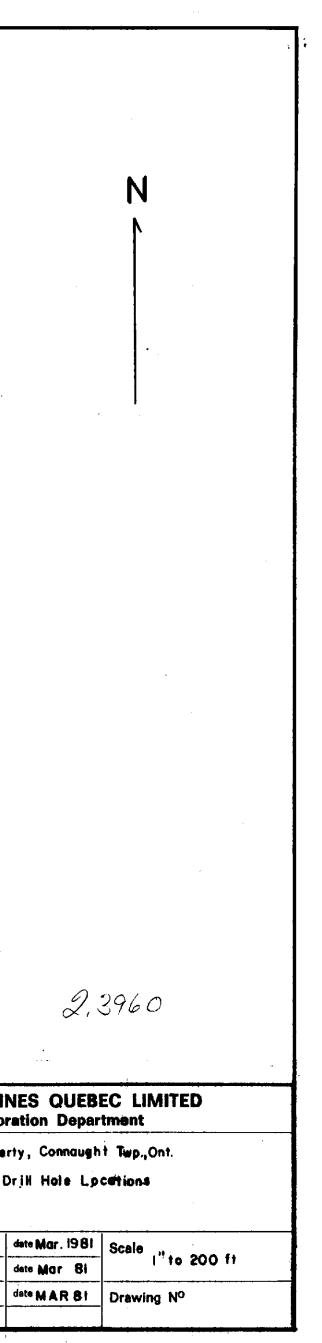
GEOPHYSICAL TECHNICAL DATA

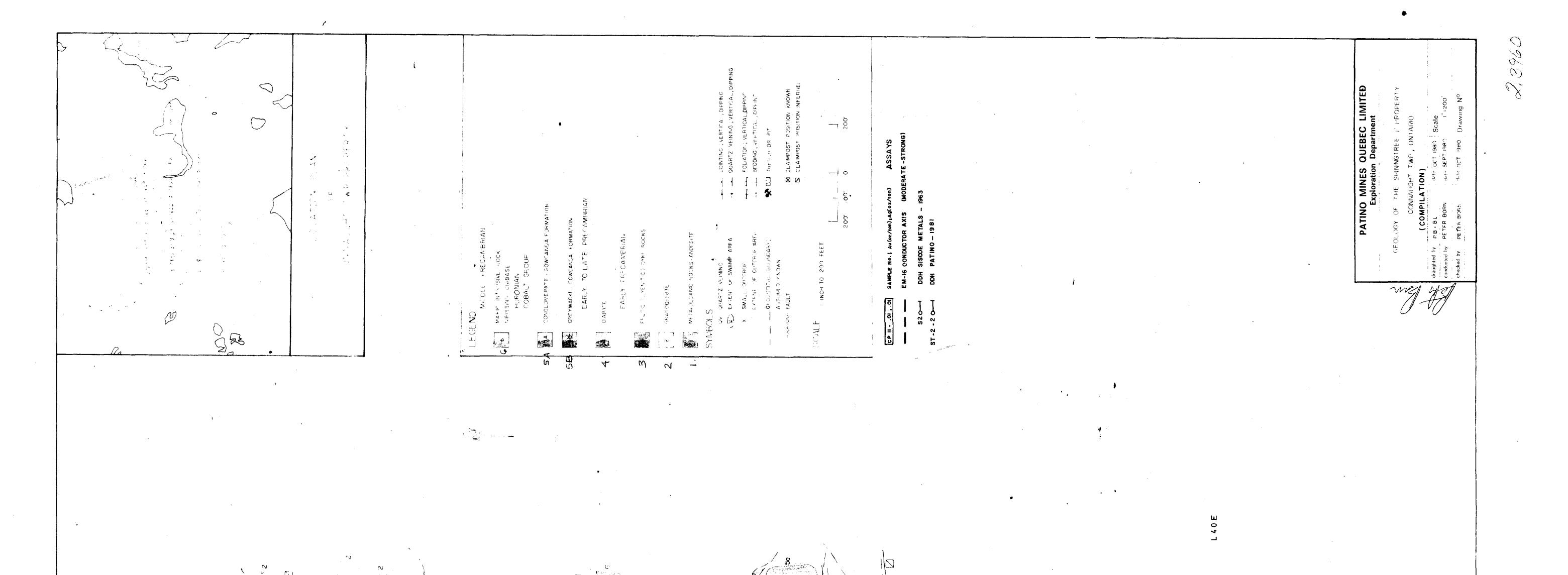
9	<u>GROUND SURVEYS</u> – If more than one survey, s	pecify data for eac	h type of survey		
N	Number of StationsNumber of Readings				
	tation interval				
ה ח	rofile scale		pacing	<u></u>	
				· · · · · · · · · · · · · · · · · · ·	
U	ontour interval				
MAGNETIC	Instrument				
	Accuracy – Scale constant				
	Diurnal correction method				
MAC	Base Station check-in interval (hours)				
F -4	Base Station location and value				
	· · · · · · · · · · · · · · · · · · ·				
2	Instrument	181 h 9 h 7 h 1 h 1 h 1 h 1 h 1 h 1 h 1 h 1 h 1			
IET	Coil configuration				
G	Coil separation			·	
ELECTROMAGNETIC	Accuracy	······································			
	Method: 🗌 Fixed transmitter	🗆 Shoot back		🗖 Parallel line	
CEC	Frequency	(marify VI E station			
Ξ	Parameters measured				
	Instrument		<u>1999 - J Lander, J. Starlett, Martine Martine Martine Martine Martine Martine Martine Martine Martine Martine</u>		
	Scale constant	- • · · · · - · · · · · · · · · · · · ·			
ΛŢ	Corrections made		· · · · · · · · · · · · · · · · · · ·	······································	
GRAVI				r	
GR	Base station value and location				
	Elevation accuracy			······································	
	,			• • •	
	Instrument				
	Method 🔲 Time Domain] Frequency Domain		
	Parameters – On time		Frequency		
X	- Off time	······	Range	·	
VIT	– Delay time	· · · · · · · · · · · · · · · · · · ·			
STI	— Integration time				
RESISTIVITY	Power				
R	Electrode array				
	Electrode spacing				
I	Type of electrode				

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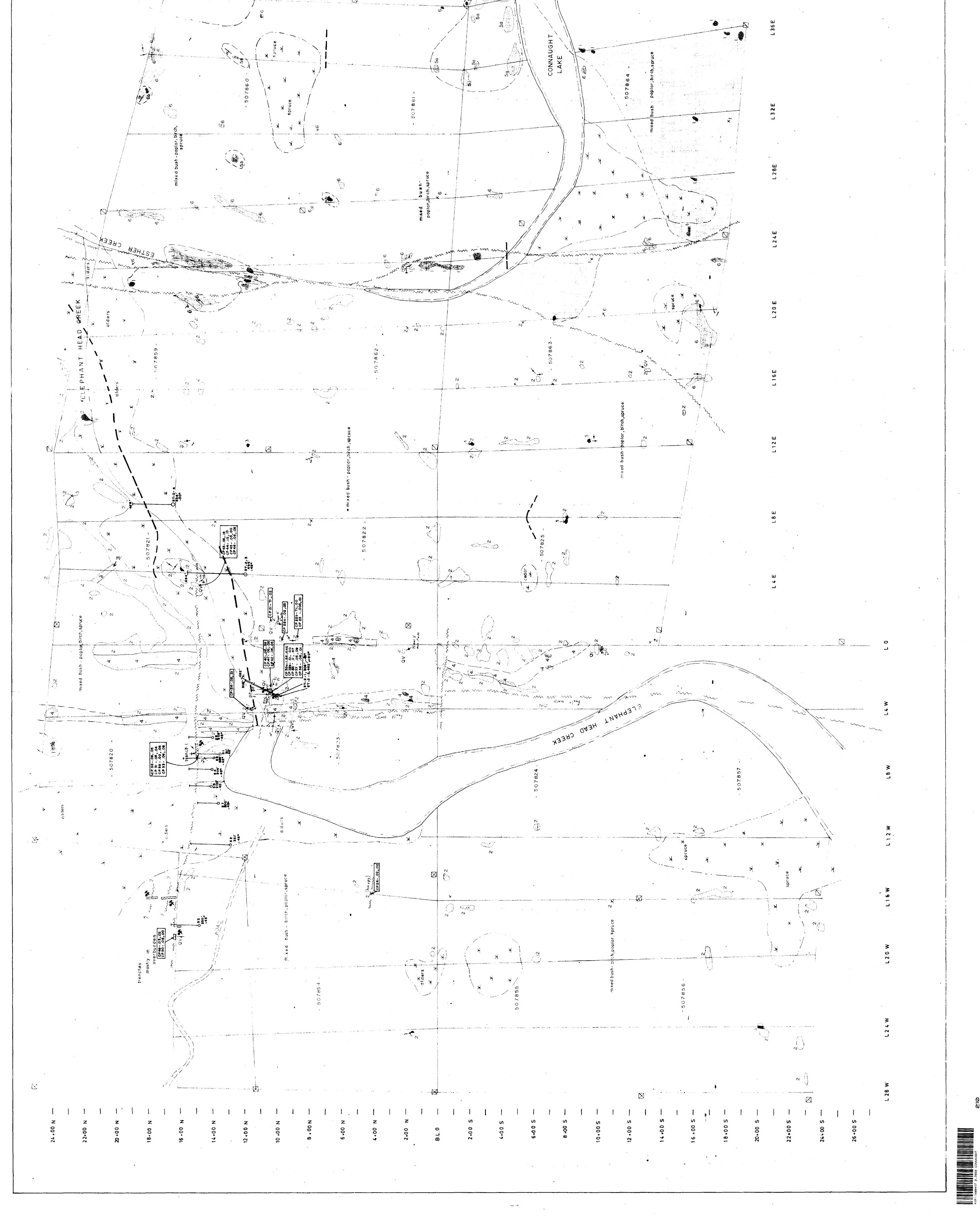


2,3960 PATINO MINES QUEBEC LIMITED **Exploration Department** Shiningtree II Property, Connaught Twp.,Ont. Plan with Diamond Drill Hole Locations P8 draughted by nducted by PB checked by PETER BORN date MAR 81 Drawing Nº





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