GEOLOGICAL REPORT

ON

MAPPING AND DIAMOND DRILLING

ON THE

SIROLA PROSPECT

GRENFELL TOWNSHIP, N. ONTARIO

FOR

SEDEX MINING CORP.

2.17139

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By: J. K. Filo, P.Geo.

42A01NE0247 2.17139 GRENFELL

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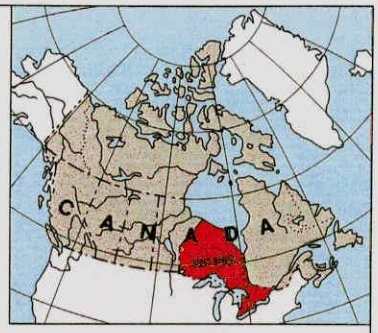
Diamond Drill Logs



010C

GEOLOGY AND PRINCIPAL MINERALS OF ONTARIO

Ontario



HUDSON BAY

JAMES BAY

MANITOBA

U.S.A.

QUEBEC

L. SUPERIOR

L. MICHIGAN

L. HURON

L. ONTARIO

L. ERIE

SIROLA PROSPECT

Moosonee

Kenora

Geraldton

Thunder Bay

Timmins

Kirkland Lake

Cobalt

Sudbury

Ottawa

Toronto

London

Windsor

Major Mineral Deposits
Past and Present

- Gold
- Silver
- Iron
- Copper-Nickel
- Zinc-Copper
- Platinum-Palladium
- Uranium
- Industrial Minerals

Scale 1 : 8 000 000

50 0 50 100 150 200 Kilometres

50 0 50 100 150 Miles

LEGEND[a]

PHANEROZOIC
MESOZOIC
CRETACEOUS
Sedimentary rocks

PALEOZOIC
DEVONIAN
Sedimentary rocks
SILURIAN
Sedimentary rocks
ORDOVICIAN
Sedimentary rocks
CAMBRIAN
Sedimentary rocks

PRECAMBRIAN
GRENVILLE PROVINCE
PROTEROZOIC
NEO- TO MESOPROTEROZOIC
Migmatitic rocks and gneisses
Mafic to ultramafic plutonic rocks
Felsic plutonic rocks, derived gneisses and migmatites
Metavolcanic and metasedimentary rocks

SUPERIOR AND SOUTHERN PROVINCES
NEO-TO MESOPROTEROZOIC
Felsic intrusive rocks
Mafic intrusive rocks
Volcanic and sedimentary rocks
PALEOPROTEROZOIC
Mafic intrusive rocks
Metasedimentary and metavolcanic rocks

SUPERIOR PROVINCE
ARCHEAN
NEO- TO MESOARCHEAN
Massive to foliated granodiorite to granite
Foliated to gneissic tonalite to granodiorite
Metasedimentary rocks and derived gneisses
Metavolcanic and metasedimentary rocks

MESOARCHEAN
Metavolcanic and metasedimentary rocks

[a] Phanerozoic units are lithostratigraphic, whereas Precambrian units are lithologic.

FIG1: GENERAL LOCATION MAP

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INTRODUCTION

During the fall of 1995, Sedex Mining Corp. initiated an exploration program on its Sirola Prospect in Grenfell Twp, west of the Town of Kirkland Lake, Ontario.

This exploration program included detailed geophysics over the entire property, some detailed mapping in the vicinity of the main showing on the property, and some follow up diamond drilling. Drilling, for the most part was carried out to reevaluate the main showing area where there is known gold mineralization and some geophysical anomalies proximal to the main showing. This report will deal specifically with the results of the mapping and diamond drill programs. Geophysical surveys were documented previously in reports by Meikle (1995).

All of the geology and drill follow up work are discussed in detail in the following portions of this report, as are conclusions and recommendations.

PROPERTY, LOCATION, AND ACCESS

This project consists of 22 leased and unpatented single unit claims in NE Grenfell Twp. as shown in fig. 1A and fig. 3. The lease claims are numbered 512579, and 522687 to 522693 inclusive. The staked mining claims are numbered 893499 to 893512 inclusive.

Access to the property is gained from Kirkland Lake by proceeding west along Highway 66 to Highway 11. From this point, one proceeds northwards on Highway 11 to Highway 570 into the village of Sesikinika. From Sesikinika, access to the western boundary of the property is attained via a series of logging roads extending southeasterly from the Sesikinika.(see fig.1A)

TOPOGRAPHY AND VEGETATION

A substantial portion of this property has been logged off; however, where there is forest the tree cover is principally made up of jack pine and some birch trees. The topography consists of rolling hills with fairly substantial rock exposure. There are some swampy areas, that are grassy and associated with some minor creeks. These are minimal and the vast majority of the property has fairly high relief for a shield area.

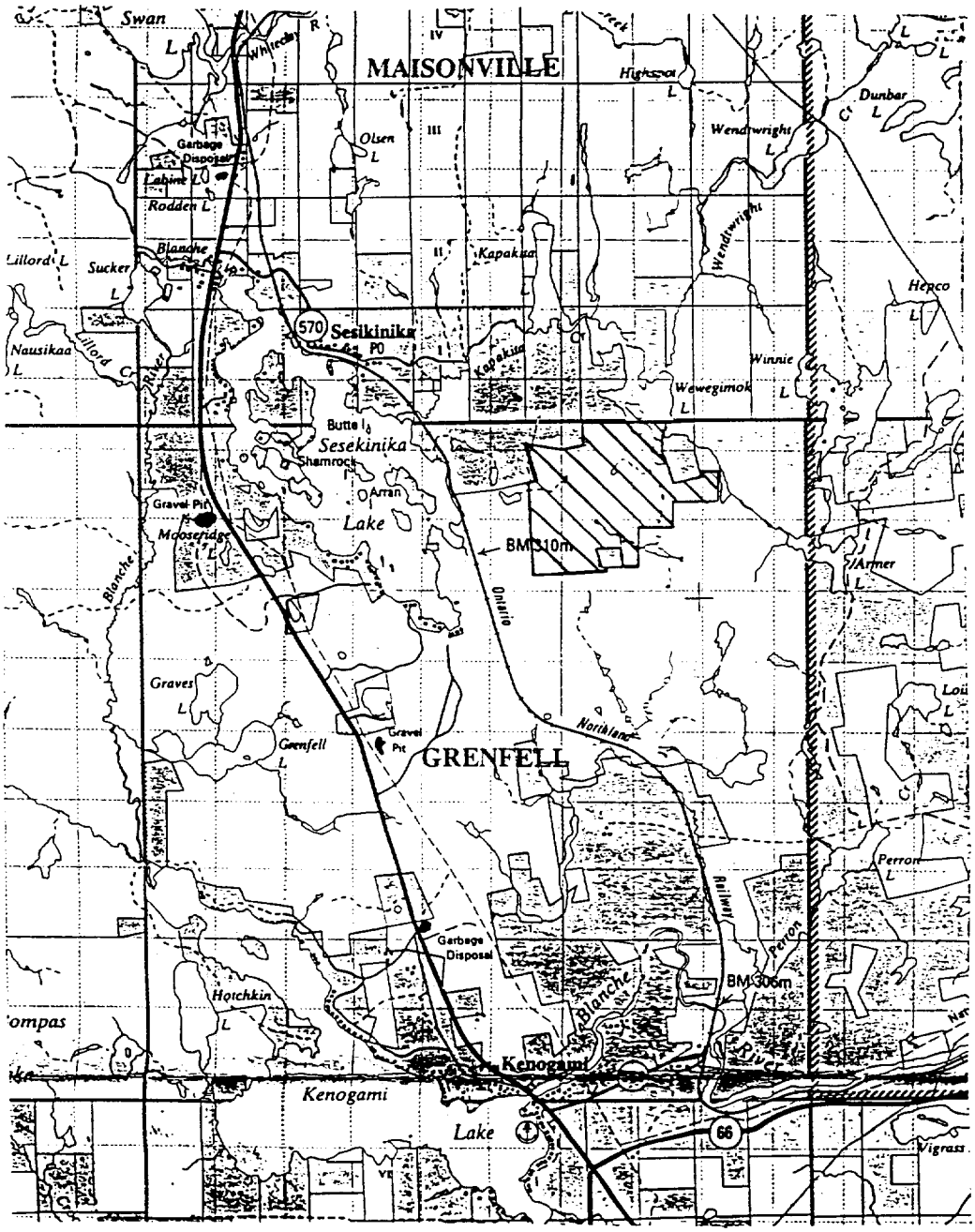


FIG1A: TWP. LOCATION MAP

Title: REGIONAL LOCATION MAP

Property:
SIROLA GREENFELL
PROJECT

PROPERTY HISTORY

A fairly modern report on the Sirola Prospect was completed by Dowhaluk (1988). In 1988, Mr. Dowhaluk documented the history of this property and the work that he completed on the property as well. Dowhaluk carried out mapping, prospecting and some diamond drilling on the main area of interest, the Shaft Zone or the No. 1 Vein..

Documentation of the property history by Dowhaluk shows that there was extensive work carried out on this prospect in the 1930's. Most of the work was carried out on the Shaft Zone, and targets proximal to the Shaft Zone such as the Shea Vein. The work was to evaluate narrow vein high grade targets. In the late 1980's Neighbours Resources, under the direction of Mr. Dowhaluk carried out a substantial drill program to test the continuity of the narrow vein high grade mineralization in the Shaft Zone from surface to the 250 foot level. Drilling showed that there was a distinct lack of vein continuity in the Shaft Zone.

However, some rather astonishing results were obtained when random intervals of rather barren gabbro and volcanics were sampled. This limited sampling showed that significant intervals of low grade gold mineralization existed over substantial widths in what appeared to be barren wall rock. One of the better mineralized zones was found in drill hole 87-19 which assayed 0.084 over 65.7 feet with a higher grade interval assaying 0.109 over 44 feet. Dowhaluk was quick to realize that these results indicated that this property had excellent potential to host a bulk mineable low grade open pit deposit. Recommendations were then made to resample substantial portions of the 1988 drilling, and carry out more drilling to determine the extent of the known mineralization. However, none of Dowhaluk's recommendations were followed up.

Sedex Mining Corp. in 1995 completed ground geophysics, mapping, surface sampling and diamond drilling. This work is discussed in the following sections of this report.

DISCUSSION OF MAPPING AND DIAMOND DRILLING PROGRAMS

Geological Mapping:

The majority of geological mapping was carried out in the immediate vicinity of the Shaft Zone and Shea Veins in order to reevaluate geological structure, alteration,

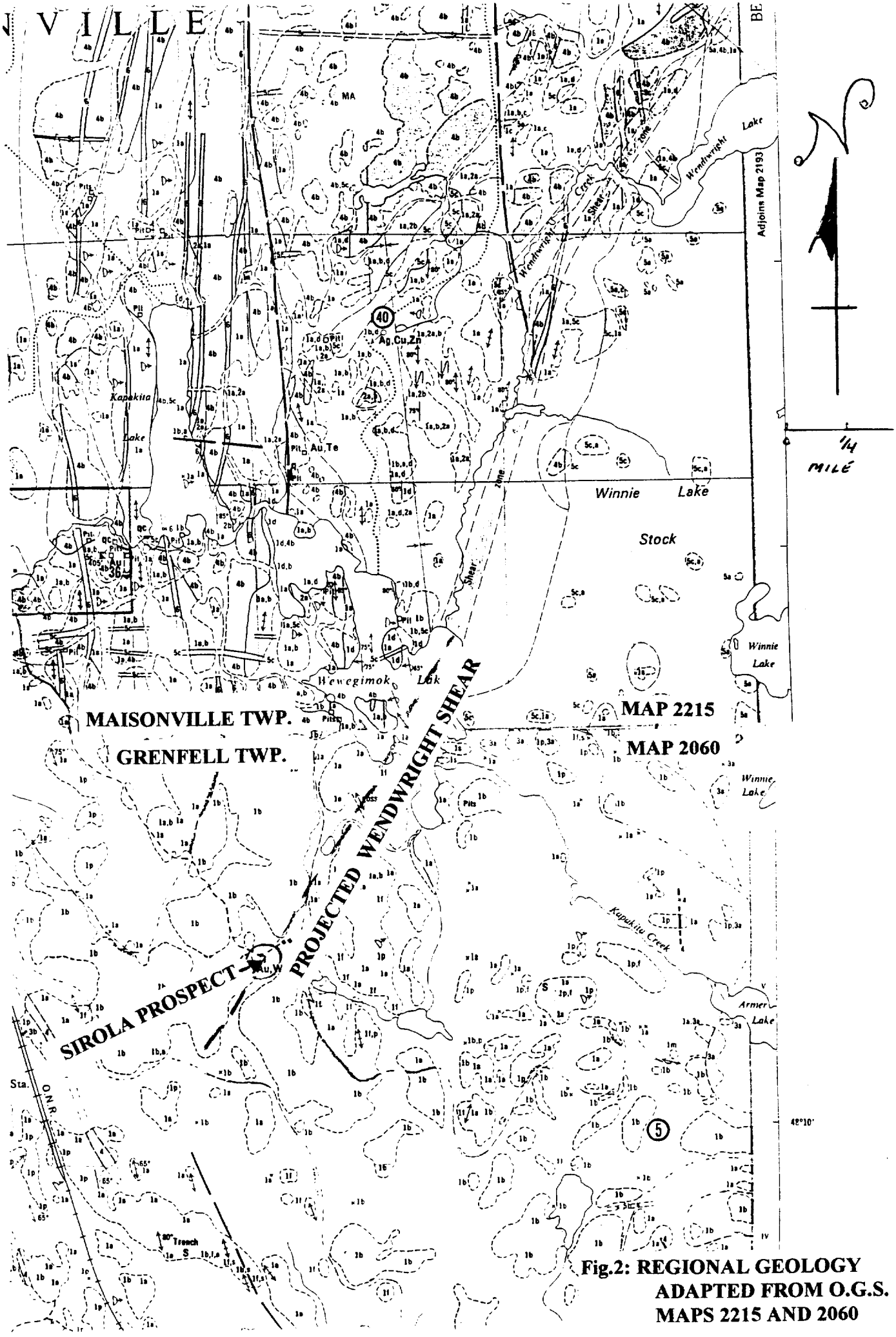


Fig.2: REGIONAL GEOLOGY ADAPTED FROM O.G.S. MAPS 2215 AND 2060

lithology and mineralization. Also, the cause of a large magnetic anomaly over the Shaft Zone was investigated.

During the course of the recent geological survey the author observed that there are basically two principal rock types covering the majority of the area mapped. (fig.2A) These are a gabbro intrusive and SW-NE trending mafic volcanic unit. The gabbroic unit appears to be intruded by a small granodiorite plug. This granodiorite was observed in one small outcrop on line zero. The only other intrusives include, a small mafic dyke, and in a few rare instances a few tiny rich feldspar stringers were noted.

The gabbro unit is grey to greenish black in colour on the fresh surface. This colour varied with the amount and types of ferro-magnesium minerals, and/or plagioclase feldspar content. In certain areas, distinct phases of more plagioclase rich gabbro are present. The grain size in the gabbro is also variable, ranging from fine grained to course grained; in some rare instances the gabbro unit is almost pegmatitic. In a number of instances the gabbro unit had a brown weathered surface that resembles a very light coloured gosssan. When these surfaces are examined in detail there is occasionally some fine pyrite. The author suspects that this brown weathering may be a result of some weathering of some iron rich minerals.

The mafic volcanics on the property, for the most part are limited to a poorly exposed NE -SW trending belt cutting across the central portion of the mapped area. The north contact of this main belt of volcanics cuts the shaft collar shown in fig.2A. The author also observed some minor bands of volcanics within the gabbro unit. These are likely rafts of volcanics that got caught up within the intrusive, when it intruded the volcanics.

Compositionally, this author believes that the volcanics are andesites or possibly basalts. Dowhaluk (1988) previously suggested that the volcanics were dacites. The volcanics were noted to be very fine grained to aphanitic. For the most part, they were found to be massive, but in one instance a number of stretched pillows were observed. Also, in one exposure the volcanic unit contained phenocrysts of feldspar. On occasion some minor fine pyrite, and quartz stringers were observed in this unit.

During the course of mapping the author observed the mineralized zone or Shaft Zone occurred on the contact of the gabbro unit and mafic volcanics. Dowhaluk reported that gold values were found in both the gabbro and mafic volcanics; values were associated with tiny fractures, quartz carbonate veinlets, sparsely disseminated pyrite, and small veinlets of pyrite.

Consequently, during the course of mapping, serious attention was paid to structure, particularly fractures, and joints as well as alteration, and mineralization.

The author observed two joint sets; one main set has an azimuth range of 140-200 degrees, and a second set was generally flat and rarely observed due to topography. In numerous instances these joints were infilled by epidote, quartz - carbonate and in rare instances, sulphides. In some instances there were also clots of epidote outside of the joints, this epidote was not associated with the joints. Also, pyrite mineralization was often found in association with epidote patches outside of the joint sets.

Dowhaluk pointed out in his report that on the Sirola Property exists a major break known as the Wendtwright Creek Shear Zone which is shown on O.G.S. Maps 2215. The shear and projected extrapolation is shown on modified versions of O.G.S. Maps 2215 and 2060 in fig.2. Dowhaluck described the shear zone from drilling as a "crush or shatter" zone. The author observed a good shear zone along the south contact of the volcanics and gabbro on Line 3W. This shear was very strong and may be representative of the Wendtright Creek Shear. This is of significance as most gold deposits are usually spacially associated with a major structural feature.

Further, the author projected two north-south trending faults across the shear, and gabbro/volcanic contact. The faults are suspected to be late faults which likely post dated the mineralization. These faults, like the shear, coincide with topographic depressions. Some apparent displacement of the volcanic contacts is evident when known contacts are projected along the known attitude of the strike.

Most of the area of economic interest, namely the contact between the volcanics and the gabbro is poorly exposed. Thus, prospecting and sampling efforts by this author were limited to more peripheral areas where there was better exposure. Despite very encouraging looking fracturing, alteration, and mineralization, samples taken were only weakly anomalous in gold with the exception of the Shea Vein Area. This is a distinctly separate vein structure trending at roughly 140 degrees or almost 90 degrees to the structure and lithology hosting the Shaft Zone. Visible gold was observed in the wall rock adjacent this vein. This vein system may be associated with the Shaft Zone; it could possibly be a splay off the Shaft Zone trend. Sample locations are shown in fig.2A and results in Appendix 1.

It should be noted, that after the mapping was completed and during the course of setting up the first drill hole in 1995, Mr. Tom Obradovich and the drillers discovered a rather spectacular piece of visible gold in a fly rock sample near the main open cut on the shaft zone. This sample was very interesting as it contained both the volcanic/gabbro contact and a large "clot" of visible gold slightly larger than a dime.

TABLE 1

ASSAY HIGHLIGHTS FOR SIROLA PROSPECT, GRENFELL TWP.

Hole #	From	To	Metres	Au ppb	Comment
JS95-1	6.09	30.48	24.39		Anomalous
	30.48	37.65	7.17	2605	
	50.15	54.88	4.73		Anomalous
	54.88	59.45	4.57	1128	
	59.45	71.65	12.2		Anomalous
JS95-2	79.27	89.94	10.67		Anomalous
	94.51	106.7	12.19		Anomalous
JS95-3	33.54	65.55	32.01		Anomalous
	144.82	158.54	13.72		Anomalous
JS95-4	19.8	44.21	24.41		Anomalous
JS95-5	8.75	13.72	4.97		Anomalous
	13.72	27.44	13.72	2628	
	27.44	30.48	3.04		Anomalous
	73.17	74.7	1.53	854	
JS95-6	39.6	42.68	3.08	2542	
	45.73	46.95	1.22	648	
	62.5	70.12	7.62	1779	
JS95-7	111.28	115.85	4.57		Anomalous
	140.24	150.91	10.67	678	
	185.24	187.5	2.26	947	
	196.65	200.86	4.21	541	

As mentioned previously part of the mandate of the mapping and prospecting program was to evaluate a large magnetic anomaly over the Shaft Zone and surrounding area, particularly the contacts. It was thought initially that there may have been another favourable contact along the northern edge of this anomaly. However, there was no contact along the northern edge of the mag high. The author noted that there were different phases of gabbro along the northern edge of the magnetic anomaly. A number of these gabbroic phases within the mag high contain magnetite, thus the strong mag response over these areas, and a distinctly weaker response in gabbroic phases with less or non-existent magnetite.

This preliminary evaluation of the geology around the main areas of interest on this property was followed up by a drilling program which is discussed in the following section of this report.

Diamond Drill Program Discussion:

The diamond drill program completed in late 1995 on the Sirola Property consisted of seven drill holes totalling 953 m. This program was initiated to confirm the existence of an interesting gold zone documented by Dowhaluk (1988), further evaluate this zone, as well as test other geological, and geophysical targets thought to be associated with the gold zone. The highlights from this program are documented in the accompanying Table 1. Individual holes are discussed as follows:

Drill Hole JS95-1:

This hole was drilled to test the Shaft Zone Area to confirm significant but low grade gold value over fairly substantial widths previously reported by Dowhaluk. This hole did confirm fairly significant values over interesting widths, within two separate zones as shown in Table 1 and fig.4. The two zones are accompanied by fairly broad anomalous gold haloes. These two zones are divided by a barren felsic intrusive and a fault zone within the intrusive.

The gabbro unit in which the gold values are found appears to be very non-descript. The unit is fairly barren in appearance, with very minimal sulphides and veining, very minor alteration and no significant structure. It is extremely surprising that this lithology contains any gold at all. Consequently, it is difficult to ascertain the control for this mineralization. There may be some relationship between the fault zone and felsic intrusive unit since the best concentrations of gold have been found

where this structure is present. Other holes contained gold mineralization but not as interesting as this hole, and the combination of the fault structure and felsic intrusive were not intersected in other holes.

Drill Hole JS95-2:

This hole was drilled to test an induced polarization anomaly and cut the cross the volcanic / gabbro contact known to be associated with gold to the west. The top of this hole encountered a diorite unit with pyrite mineralization. This was likely the cause of the induced polarization anomaly. For some unknown reason this hole did not cross this contact. Two weakly anomalous gold zones were noted as is shown in Table 1 and fig.5. These zones may possibly be related to the values found on the bottom portion of JS95-1 if the sections are overlain.

Drill Hole JS95-3:

This hole also cut the I.P. anomaly intersected in JS95-2, but the principal reason for drilling this hole was to further test the gabbro / volcanic contact and the juncture of the Shea Vein Structure at depth. Less sulphides were intersected in the vicinity of the I.P. anomaly in this hole, but the same diorite unit was intersected.

Only weakly anomalous gold mineralization was encountered in the gabbroic portion of this hole, and none of the anomalous zones were proximal to the volcanic / gabbro contact. The upper anomalous zone may be related to where the Shea Vein Structure, as the surface expression of this vein is projected to cross this section in the vicinity of the anomalus gold mineralization. It should be noted that this hole was drilled at a bad angle to test this vein, as the Shea Vein runs almost parallel to this hole.

Information from this hole suggests that the volcanics seen on surface pinch out very quickly at depth and the volcanics may be a raft within a large gabbroic intrusive.

Drill Hole JS95-4:

This hole was drilled to test an induced polarization resistivity high, the surface expression of the gabbro / volcanic contact and associated shearing. Very weak

minor disseminated pyrite was found in the upper portion of the hole. There was some minor disseminated pryrite in the 1-2% range, and some weakly anomalous gold values from 19.8m to 44.21m. No volcanics were intersected in this hole. This suggests that the volcanics are pinching at depth and the volcanic sequence may be a raft in the intrusive as shown in fig. 7.

Drill Hole JS95-5 and JS95-6:

These two drill holes were drilled after some consultation with Mr. John Sirola P. Eng. the vendor of this property. After reviewing some older data and knowing there was a spacial association between gold and felsite intrusives two holes were drilled to test for reported felsic intrusives at depth with a strike of 110 degrees Az.

Both of these holes pierce the plane on which Hole JS95-1 was drilled. The better mineralization found in JS95-5 appears to have intersected the upper portion of the same mineralization intersected in JS95-1 above the felsite intrusive. Similarily JS95-6 likely intersected some of same mineralized horizon found in JS95-1, but the portion below the felsite intrusive. No felsite dykes suspected to exist at depth were noted.

Drill Hole JS95-7:

Hole JS95-7 was drilled to test a geophysical anomamly at 50 m. N and further evaluate the Shaft Zone further to the east. Some interesting anomalous values were noted as shown in Table 1 and fig.10. This hole was unfortunately lost at 200.86 m. proximal to a felsic intrusive where gold values began to become elevated. This environment is similar to JS95-1, where good gold values were also found.

CONCLUSIONS AND RECOMMENDATIONS

The drilling confirmed some interesting low grade values over reasonable widths in the immediate Shaft Zone Area. These values were not as good as those reported by Dowhaluk (1988) but they are still of interest.

The following recommendations should be considered:

1) Do some surface stripping around the Shaft Zone and possibly some surface sampling to see if some of the zone can be exposed in plan view.

2) Drill some short step out holes east and west of JS95-1 to test approximately 100 metres of strike length @ 25m. centres to determine the strike extent, zone geometry, and also find out if the zone has some continuity at depth, and along strike. The orientation of the holes is likely to be 130 degrees azimuth but this might change if the zone is viewed on surface after stripping. Drilling budgeted for this program should be no more than 1000m.

If some strike extent, continuity, and grades of interest for a potential open pit are found in this next work phase, work should continue to further evaluate this zone. If the results are not favourable, no further work should be considered for this property.

Respectfully Submitted,

J.K. Filo, P.Geo.

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Meikle, R.

1995: Geophysical Report on the Sirola Grenfell Project for Otis J Exploration, Grenfell Twp. Dist. of Temiskaming, Resident Geologists Office, Kirkland Lake Ontario.

Durham, B.

1995: Interpretation on the Geophysical Surveys on the Sirola Grenfell Project for Otis J Exploration, Grenfell Twp., Dist. of Temiskaming, Private Files of Sedex Mining Corp.

Sirola, J.

1995: Information on the Sirola Grenfell Project, Grenfell Twp. Dist of Temiskaming, Private Files of Sedex Mining Corp.

CERTIFICATE

I, J.K. Filo of 535 Bartleman St. of the City of Timmins, Ontario do hereby certify:

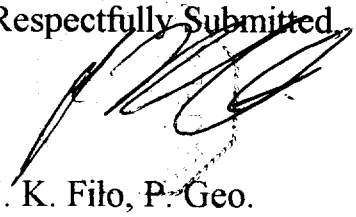
1) I have personally carried out all core logging and geological mapping on this property and I have written this report on the Sirola Prospect for Sedex Mining Corp. based on this work and a review of work by past operators.

2) I further certify that I have no personal interest in this property of Sedex Mining Corp., nor do I expect to receive any in the future, other than my professional fee.

3) I hold an Honours BSc. in Geology from Laurentian University in Sudbury, Ontario. I have been practicing my profession as both an exploration and mine geologist for the past sixteen years in Canada, Mexico, and Southeast Asia. Prior to being employed as an independent consultant I worked for various mining and exploration companies. These included Texasgulf Exploration Inc., Amax Exploration, Cominco (Pine Point Mines), Giant Yellowknife Mines (Pamour Mine), Nerco Con Mine (Con Mine), Freeport McMoran and various junior mining companies.

4) I am a professional geologist in good standing with the Association of Professional Engineers and Geoscientists of B.C. (Reg. No. 18677)

Respectfully Submitted,



J. K. Filo, P. Geo.

APPENDIX 1

ASSAY CERTIFICATES

FROM GEOLOGICAL MAPPING

Swastika Laboratories

A Division of TSL/Assayers Inc.
Established 1988
Assaying - Consulting - Representation

Geochemical Analysis Certificate

5W-3695-RG1

Company: T. O'BRADOVICH
Project: J.S Otis-J
Attn: T. O'Bradovich

Date: SEP-28-95

We hereby certify the following Geochemical Analysis of 14 Rock samples submitted SEP-22-95 by .

Sample Number	Au PPB	Au check PPB	Co PPM	Cu PPM	Ni PPM	W PPM	Pd PPB
S-1	19	14	29	31	3	Results	G
S-2	5	-	31	38	33	to	G
S-3	12	-	12	131	20	follow	G
S-4	5	-	25	162	44		G
S-5	24	-	15	50	15		G
S-6	26	21	22	27	4		G
S-7	3	-	17	32	1		G
S-8	12	-	28	16	22		G
S-9	7	-	21	121	33		G
S-10	Nil	-	25	113	31		G
S-11	12	15	19	115	21		G
S-12	19	-	26	221	5		G
S-13	67	-	15	43	3		G
S-14	2	-	20	69	34		G

One assay ton portion used.

Certified by G. Leboy

P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705)642-3244 FAX (705)642-3300

Swastika Laboratories
A Division of TSL/Assayers Inc.
Established 1928
Assaying - Consulting - Representation

Geochemical Analysis Certificate

5W-3795-RG1

Company: **T. O'BRADOVICH**
Project: Otis-J
Attn: T. O'Bradovich

Date: OCT-02-95

We hereby certify the following Geochemical Analysis of 11 Rock samples submitted SEP-27-95 by .

Sample Number	Au PPB	Au Check PPB
S-15	10	9
S-16	22	-
S-17	Nil	-
S-18	2	-
S-19	Nil	-
S-20 Not Rec'd	-	-
S-21	Nil	Nil
S-22	Nil	-
S-23	Nil	-
S-24	Nil	-
S-25	19	22
S-26	3	-

One assay ton portion used.

Certified by G. Libby

P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705)642-3244 FAX (705)642-3300

APPENDIX 2

REPORTS

DOWHALUK REPORT

INTRODUCTION

This short summary report covers the main developments on the John Sirola property in the Kirkland Lake mining area during the year of 1987. The property is under option to Neighbors Resources Inc. Neighbors Resources carried out two separate programs of diamond drilling in the shaft area in the spring and fall respectively for a total of 3,974 feet. The shaft area was mapped by the writer on a scale of one inch to ten feet and samples were taken. Also, the writer carried out a program of mapping-prospecting on thirteen of the new claims to the north and northeast of the shaft during the summer from May to September.

The northeast claims contain disseminated sulphide showings in the volcanics which respond well to electromagnetic and magnetic methods. These showings have been thoroughly investigated by several parties in the past and the sulphide zones have consistently proven to be barren.

All of Neighbors' diamond drilling was confined to the shaft area where Kirkland Consolidated Gold Mines, Limited sunk a shaft to 265 feet in the early thirties and carried out some 2,700 feet of drifting and crosscutting, mostly on the 250-foot level. All of this early work and the first half of the 1987 work, was based on the premise of discrete veins (the No. 1 vein, the shaft vein, the Shea vein, etc.).

The "No. 1 Vein" had been assumed to be continuous from the 250-foot level right up to surface. Thirteen diamond drill holes were put down by Carl Bischoff and the writer on the "No. 1 Vein" but no continuous vein could be corroborated. Nonetheless, limited sporadic sampling frequently showed interesting gold values in the gabbro and volcanics which were barren of veinlets. It was soon obvious that very complete sampling was needed over large widths even though the rock appeared to be of no consequence.

The sampling program has shown that there is a northeast-southwest "break", or shear zone, in the shaft area which grades about 0.05 oz/t gold over an average width of 50 feet and for a length of 200 feet. This zone is open at both ends and the width is most likely much wider. The break is on strike with the Wendtwright

Creek Shear Zone which is shown in the southeast corner of the OGS map No. 2215, "Benoit and Maisonville Townships". There is the potential for a large, low grade, open pit gold deposit.

PROPERTY, LOCATION, ACCESS

The property is in the Kirkland Lake mining area and consists of 30 contiguous, unpatented mining claims which are located in in the northeast quadrant of Grenfell Township, District of Timiskaming, in the area immediately south and southwest of Wewegimok Lake. These claims are numbered as follows:

512579	(1 claim)	Shaft claim.
893499-893518	(20 claims)	
892150-892151	(2 claims)	
522687-522693	(7 claims)	

Each claim consists of 40 acres, more or less, for a total of 1,200 acres.

All of the 1987 diamond drilling took place on claim 512579 on which the shaft is located. Prospecting-mapping in 1987 covered claims 893499 to 893511 (13 claims).

Access to the property is by means of an old tote road from Sesekinika for a distance of 2½ miles.

GEOLOGY

The rocks are early Precambrian. There are two main rock types on the property - gabbro and volcanics (dacite). The gabbro occurs in a north-south band some 2,500 feet wide through the central part of the property. These rocks belong to the Kinojevis group and are the oldest in the area.

The gabbro is dark-green, medium to coarse-grained, compact. Towards the volcanic contacts it grades into a diorite and there are phases that approach pyroxenite. Small dike-like bodies, or sills, of gabbro occur in the volcanics; some of these might be diabase dikes. In turn, small bands of volcanics do occur in the gabbro. The contact may have interlayering of these two types as at the northwest corner of claim 893510.

The volcanic (dacite) is light to medium gray, very fine-grained, siliceous and breaks with felsitic chips. There is some pillow lava which shows the tops to be facing to the east or northeast.

Lines of rhyolite fragments in a northwest-southeast alignment are common. This appears to be the strike of the volcanic formations. Tuffaceous phases of the volcanics are more common eastwards and these are often the host rock for disseminated sulphides.

Syenite, syenite porphyry, and arkose occur mainly along the gabbro-volcanic contacts; but sometimes, the syenite porphyry occurs as block-like dikes in the gabbro or volcanics far from the contact. Of particular interest are the rounded pebbles up to five inches in length which occur in the syenite porphyry near the southeast corner of 893511. The presence of pebbles suggests a sedimentary origin for the syenite porphyry and the texture is thus a metamorphic feature, i.e., porphyroblastic. To date, no gold has been found in these syenitic rocks.

ECONOMIC GEOLOGY

There are two situations of economic interest on the property. One is the gold-bearing shaft zone on which all of the 1987 diamond drilling by Neighbors was carried out and the other is the sulphide occurences south of Wewegimok Lake.

The sulphide showings are invariably found in the volcanics. The No. 1 Showing is located 100 feet southwest of the No. 1 post of claim 893507. Pyrite, pyrrhotite and magnetite are present. This showing was drilled by New Kelore in 1954 and was found to be 50 feet wide. Traces of chalcopyrite and sphalerite were observed. This band can be traced by the magnetometer and by gossans northwards to Wewegimok Lake and southwards for some 2,000 feet.

The No. 2 (Main) Showing is located beside the No. 2 post of claim 893503. The sulphides here are similar to the No. 1 Showing and the zone is 100 feet wide. Some scheelite is present and was investigated by Republic Tungsten in 1942. The scheelite is apparently so fine that it is not visible under the ultraviolet lamp.

These sulphide zones have been well examined by several companies - Republic Tungsten, New Kelore, Minorex, and others - but only trace amounts of copper, zinc, and lead were reported.

The gold-bearing shaft zone is the most promising situation on the property. Because of the proximity of the rich Kirkland Lake gold veins, it was only natural that past exploration was vein-oriented on a property where small veins do occur. There apparently was no concept of a wide low grade zone with gold values.

The recent work under the direction of Carl Bischoff in 1986 (six diamond drill holes for a total of 544 ft), and by the writer in 1987 (16 holes for 3,974 feet), together with thorough sampling, has provided the data for the model of a wide, low grade gold deposit.

The 1986 and 1987 drilling failed to pick up any continuous veins of any consequence; however, initial random sampling showed some surprising gold assays in what was, for all appearances, just plain barren rock. Increasingly more thorough sampling gradually showed that gold values were present over large widths in both gabbro and volcanics and were associated with tiny fractures, quartz-carbonate veinlets and wisps, sparsely disseminated pyrite grains and even some small veins. The gold is erratically distributed and there is a "nugget effect" whereby high gold values are separated by barren sections. The following data summarizes the grades and extent of the low grade shaft zone as known at the present time.

SECTION 1+25 SW

DDH 87-22	0.020 oz/t gold over 108 ft.
	which includes
	0.033 oz/t gold over 38.0 ft.
	or
	0.067 oz/t gold over 15.0 ft.

SECTION 0+73 SW

DDH 87-19	0.084 oz/t gold over 65.7 ft.
	which includes
	0.109 oz/t gold over 44.0 ft.
DDH 87-20	0.014 oz/t gold over 33.0 ft.
	also
	0.074 oz/t gold over 17.0 ft.
	also
	0.030 oz/t gold over 7.2 ft.
	also
	0.023 oz/t gold over 25.0 ft.

SECTION 0+40 W	
DDH 87-18	0.035 oz/t Au over 5.0 ft.
	and
	0.075 oz/t Au over 42.0 ft.
	and
	0.025 oz/t Au over 20.0 ft.
SECTION 0+20 SW	
DDH 87-16	0.069 oz/t Au over 39.0 ft.
	which includes
	0.238 oz/t Au over 5.0 ft.
DDH 87-17	0.034 oz/t Au over 65.5 ft.
	which includes
	0.044 oz/t Au over 32.0 ft.
	Scattered values like 0.108/0.4', 0.095/0.7' show that gold zone might extend another 50 ft to the NW in width.
SECTION 0+20 NE	
DDH N-6	No significant values
DDH N-5	0.033 oz/t Au over 35.0 ft.
	which includes
	0.126 oz/t Au over 6.5 ft.
SECTION 0+40 NE	
DDH N-3	0.049 oz/t Au over 32.0 ft.
DDH N-1	No significant values
DDH N-2	0.070 oz/t Au over 5.0 ft.
DDH N-4	0.040 oz/t Au over 55.0 ft.
	0.024 oz/t Au over 15.0 ft.
	0.04 oz/t Au over 5 ft.
SECTION 0+60 NE	
DDH 87-8	0.016 oz/t Au over 83.8 ft.
	which includes
	0.047 oz/t Au over 15.6 ft.
SECTION 2+00 NE	
DDH 87-14	0.089 oz/t Au over 10.0 ft. This hole may not straddle zone.

It is clear from a glance at the sections that a great deal of additional core sampling is required in many of the 1987 holes. The gold zone can be delineated only by assays so that thorough, massive sampling is the key to this zone. Diamond drilling is needed to trace this zone to the northeast and to the southwest. The Shea vein, located to the southwest of the shaft, is most certainly on this break.

The shaft zone is on strike with the Wendtwright Creek shear zone. The fact that the shaft zone straddles the gabbro-volcanic contact is probably coincidental. The main gabbro-volcanic contact swings to the southeast in the shaft area and the long sliver of volcanics that projects southwestwards from the shaft may reflect a graben structure. The "shear zone" is difficult to recognize as such; it is more like a "crush" zone, or "shatter" zone and there are many cross-veinlets

CONCLUSIONS

There is potential here for a large low grade gold deposit. A great deal of diamond drilling, core sampling and bulk sampling will be required to determine if the size and grade are sufficient to make ore.

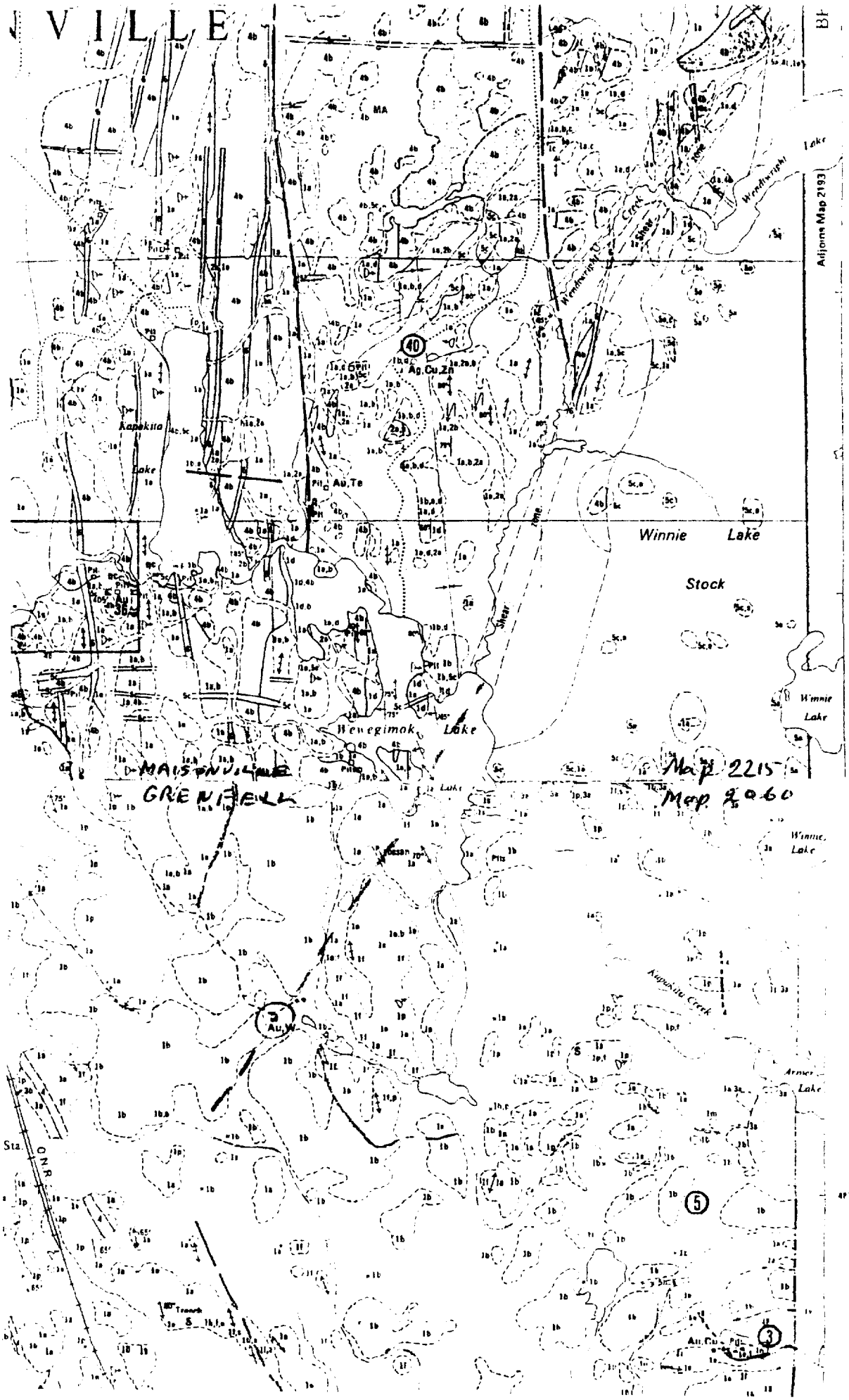


Harry Dowhaluk, B.A., F.G.A.C.
Resident Geologist

POSTSCRIPT

Pertinent to our low grade gold prospect, we may quote A.A. Adamson, assistant manager of Pamour Gold Mines, "The production goal of Pamour at its two Timmins mills in 1980 is 7,000 tons per day...We are mining some gold at 0.036 oz. per ton. That's 16 tons of rock to produce an ounce. Its a big difference from a few years ago when you couldn't afford more than five tons to produce an ounce."*(=0.20 oz.)..."At the company's Northern Ontario properties, ore reserves...now stand at 3,944,300 tons averaging 0.081 oz. gold per ton."** Note that 0.08 oz/t is classified as ore.

* Northern Miner, March 6, 1980, p 1.
** Ibid, Mar. 27, 1980, p 3.


VILLE
Adjoins Map 2193
Winnie Lake
Stock
Wewegimok Lake
Kapakita Lake
Ag,Cu,Zn
Au,Te
Au,W
Au,Cu
Shear zone
Kapakita Creek
Sta. CNR
MAISONVILLE
GRENFELL
Map 2215
Map 2060

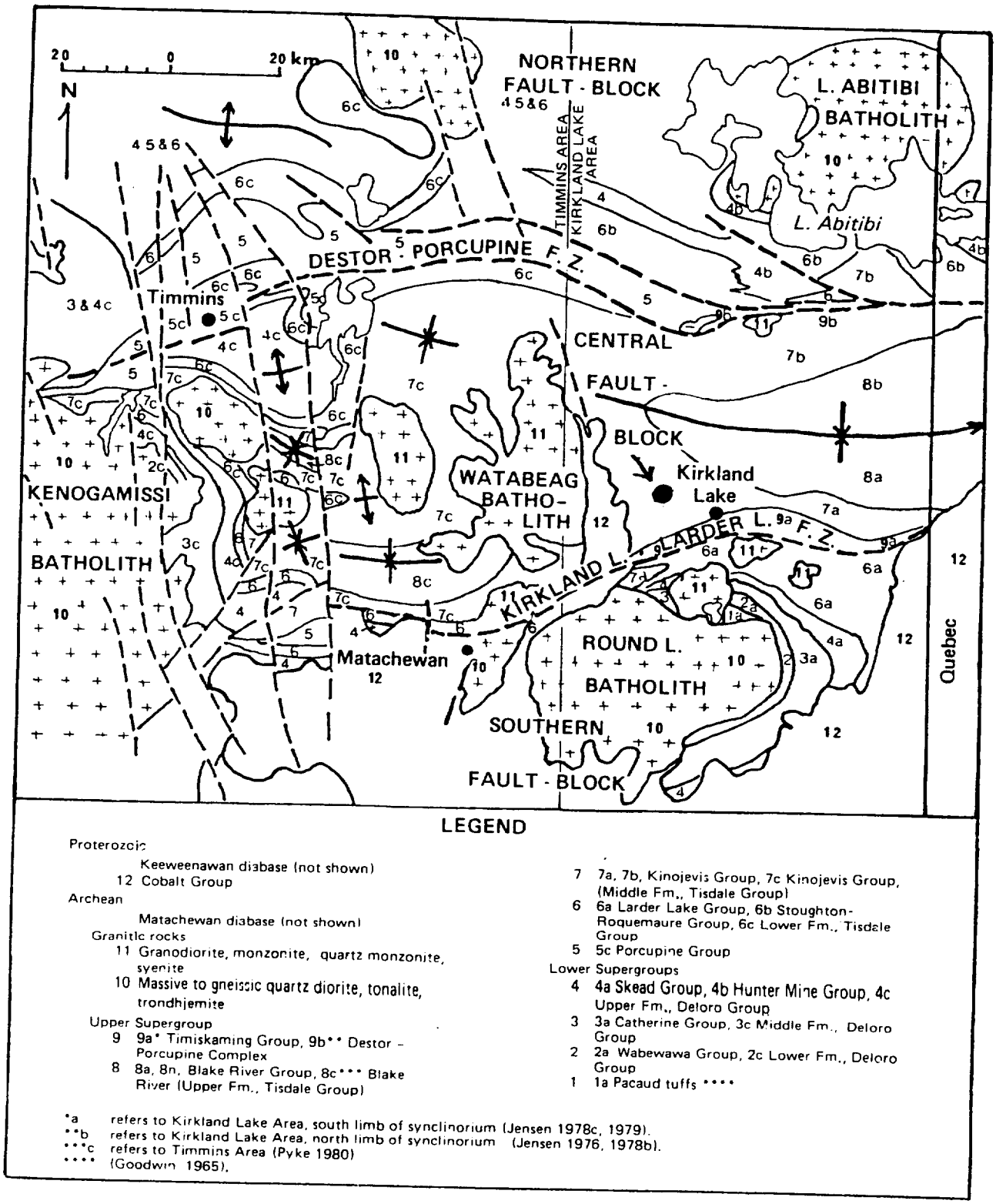


Figure 5. Geological map of the Timmins - Kirkland Lake area.

OGS
MP-123.

Diamond Drill Log

NEIGHBOURS RESOURCES INC.

PROPERTY : John Sirola Option
LOCATION : Grenfell Twsp, Ont., 2½ mi. S 57°E from Sesekinika. NTS: 42 A/1, Kirkland Lake, shaft 605358. ∫ - 722' W
CLAIM NO. : 512579, From #1 P - 640' S,
LATITUDE : 0-NW on base line N 45°E from shaft
DEPARTURE : Section 0+60 NE (ft)
DRILLED BY: Barron Diamond Drilling Ltd.
MACHINE : Longyear 38
CORE SIZE : BQ, 1-7/16" (36.5 mm)

HOLE NO. : 87-7
DIP : -50°
BEARING : S 45° E
LENGTH : 150 ft.
STARTED : March 26,1987
COMPLETED : March 27, 1987
LOGGED BY : H. Dowhaluk
DATE LOGGED: March 30/87
ZONE : Shaft

****

0 - 9.0 : OVERBURDEN. Casing.

9.0 - 39.7 : DIORITE Dark greenish gray.
Med-grd w specks of plagioclase 1-2 mm; massive, hard, siliceous. Occasional faint threads of qtz-carb @ 45 to 30°. Contact w next at 45°, fairly distinct but not sharp.

39.7 - 112.8 : FINE-GRAINED VOLCANIC. Dk green-black to greenish gray, fine-grd, very hard, siliceous, some cleavage at 45°. Extremely tough (very difficult to split from 39.7 tp 45.0.

39.7 - 52.0: Under 5% qtz-carb stringers in hard basic lava. Str up to ¼".

56.1 - 56.3: White quartz vein

57.7 - 58.9: QUARTZ-EPIDOTE VEIN. Silicified chloritic fragments. 1% dissem py.

74.2 : 1¼" zone of 50% qtz-carb lensing @45°.

95.5 : ¼" qtz vein @ 45°.

112.8 - 117.3: **FELSITE** Appears to be tuffaceous, may be an ejected block. Lt creamy gray, very hard, flinty, with many tiny qtz lenses mostly @ 55°. Contains some darker rounded fragments up to 2". 1% very fine disseminated pyrite.

117.3 - 150.0: FINE-GRAINED VOLCANIC. As above.

END OF HOLE - 150 ft.

NEIGHBOURS RESOURCES INC. DDH 87-7

LIST OF SAMPLES

			oz/t Au	
#355	39.7 - 46.0	6.3 ft.	0.002	Under 5% qtz-carb str. in hard, siliceous basic lava.
#356	46.0 - 52.0	6.0	0.020	Less than 5% lines & threads qtz-carb up to ¼", -1% py diss
#357	56.1 - 56.3	0.2	0.050 0.070	White qtz vein.
#358	57.7 - 58.9	1.2	0.340 0.380	Qtz-epidote vein w silicified chloritic fragments. 1% dissem py.
#359	78.9 - 79.1	0.2	0.005	1" qtz vein, whitish.
#360	112.8 - 117.3	4.5	0.040	Felsite. Sparse dissem py, qtz lines.

END

Diamond Drill Log

NEIGHBOURS RESOURCES INC.

PROPERTY	: John Sirola Option	HOLE NO.	: 87-8
LOCATION	: Grenfell Twsp, Ontario, District of Timiskaming, 2½ mi. S 57°E from Sesekinika. NTS: 42 A/1, Kirkland Lake, shaft at 605358.	DIP	: -65°
		BEARING	: S 45° E
		LENGTH	: 276 ft.
		STARTED	: Mar.28/87
CLAIM NO.	: 512579 From No. 1 post: 640 ft S, 722 ft W	COMPLETED	: Mar.29/87
LATITUDE	: 0-NW on base line N45°E from shaft.	LOGGED BY	: H. Dowhaluk
DEAPARTURE	: Section 0+60 NE (ft).	DATE LOGGED	: Apr.1/87
DRILLED BY	: Barron Diamond Drilling Ltd.	ZONE	: Shaft
MACHINE	: Longyear 38		
CORE SIZE	: BQ, 1-7/16" (36.5 mm)		

****

0 - 8.0 : OVERBURDEN. Casing.

8.0 - 64.5 : DIORITE. Speckled appearance with plagioclase as irregular grains up to 1 or 2 mm. Greenish black, med-grd, massive, compact. Contact w next over 1", fairly distinct.

64.5 - 135.5 : FINE-GRAINED VOLCANIC. Dk bluish-greenish gray. Fine-grd, siliceous, compact. Very 'tough' towards contact and nearly black at times. Few qtz-carb lines at 45°.

64.7 - 65.3 (0.6 ft): 5% qtz carb strings up to ¼".

76.8 - 77.8 (1.0 ft): As before. Sparse fine pyrite.

98.0 - 98.5: Greenstone schist at 30° to core.

108.5 - 109.3: Rhyolite, with qtz blebs and stringers; 1" qtz vein @ 108.8 w 50% rhyolitic inclusions.

116.5 - 121.0: 5% qtz-carb veinlets @ 80° mostly up to ½". 1% py, fine, dissem.

135.0 - 135.7 : QUARTZ VEIN. (0.7 ft). Whitish, mottled w 30% rounded, ghostlike breccia fragments. Minor pinpoint py, 1%.

135.7 - 231.0 : FINE-GRAINED VOLCANIC. As above.

162.0 - 162.4: Qtz-carb material, buff coloured; Pink calcite abundant.

228.2 - 231.0: 5% thin, 1-2 mm, qtz-carb microveinlets mostly at 80°.

231.0 - 233.0 : FELSITE. Lt buffy gray. Dense, but shattered into more or less layers at 90° and 70° to core. About 1% pinpoint py. Probably a block of pyroclastic origin.

233.0 - 276.0 : FINE-GRAINED VOLCANIC. As above, but w scattered qtz-carb lines and veinlets up to 5 mm.

233.0 - 259.0: Less than 5% qtz-carb lines and veinlets.

249.8: ½" qtz-carb veinlet. Dissem grains py.

255.5 - 256.0: Rhyolitic fragment ?. 3% py.

256.0 - 259.5: Few (less than 5%) qtz-carb lines & stringers up to ¼". 1-3% py on fractures.

END OF HOLE – 276 ft.

NEIGHBOURS RESOURCES INC DDH: 87-8

LIST OF SAMPLES

			oz/t Au	
# 448	62.2 - 64.7	2.5 ft.	0.035 0.040	Diorite. .0375
# 363	64.7 - 65.3	0.6	0.305 0.365	5% of ¼" qtz-carb lines .3350
# 449	65.3 - 68.0	2.7	0.002	F-grd volcanic
# 450	68.0 - 72.0	4.0	Nil	"
# 451	72.0 - 76.8	4.8	Nil	"
# 364	76.8 - 77.8	1.0	0.460 0.410	5% qtz-carb str up to ½" .4350
# 452	77.8 - 83.0	5.2	Nil	F-grd volcanic
# 453	83.0 - 86.0	3.0	Nil	"
# 454	86.0 - 91.0	5.0	0.005	"
# 455	91.0 - 94.8	3.8	0.035	"
# 361	94.8 - 96.0	1.2	Nil	½" qtz vein parallel to core
# 456	96.0 - 101.0	5.0	0.055 0.055	F-grd volc, some schistocity.
# 457	101.0 - 106.0	5.0	0.002	F-grd volcanic
# 458	106.0 - 108.5	2.5	Nil	"
# 362	108.5 - 109.3	0.8	Nil	Felsite w qtz str. Sparse py.
# 459	109.3 - 116.5	7.2	0.002	F-grd volcanic
# 365	116.5 - 121.0	4.5	0.005	5% qtz-carb str up to ½"
# 460	121.0 - 126.0	5.0	0.005	F-grd volcanic.
# 461	126.0 - 131.0	5.0	Nil	"
# 462	131.0 - 135.0	4.0	Nil	"
# 366	135.0 - 135.7	0.7	0.060 0.075	Qtz vein; 30% mottled fragments. Pin-point py. .0675
# 463	135.7 - 141.0	5.3	Nil	F-grd volcanic.
# 464	141.0 - 146.0	5.0	0.010 0.015	" .0125
# 367	162.0 - 162.4	0.4	0.010	Qtz-carb material, vein ?
# 368	228.2 - 231.0	2.8	Nil	5% fine lines of qtz-carb
# 369	231.0 - 233.0	2.0	0.002	Felsite, fractured, 1% pin-point py

Continued

NEIGHBOURS RESOURCES INC DDH: 87-8

LIST OF SAMPLES

		Ft.	oz/t Au	
# 370	233.0 - 241.0	8.0	Nil	Greenstone, w less than 5% qta-carb lines up to ¼".
# 371	249.6 - 250.0	0.4	Nil	½" qtz-carb vein in middle, less than 1% py
# 372	255.5 - 256.0	0.5	0.002	Felsite. 3% grains and specks py.
# 373	256.0 - 259.5	3.5	0.002	1-3% py on fractures in greenstone, slightly dacitic.

End

62.2 - 146.0	83.8	0.016 oz/t Au
62.2 - 77.8	15.6	0.047 oz/t Au

Diamond Drill Log

NEIGHBOURS RESOURCES INC

PROPERTY	: John Sirola Option	HOLE NO.	: 87-9
LOCATION	: Grenfell Twsp., Ontario, District of Timiskaming, 2½ mi. S57°E from Sesekinika. NTS: 42 A/1, 'Kirkland Lake', shaft at 605358.	DIP	: -50°
		BEARING	: N 45° W
		LENGTH	: 176 ft.
		STARTED	: Mar.29/87
CLAIM NO.	: 512579. From No. 1 post: 650 ft S, 630 ft W	COMPLETED	: Mar.30/87
LATITUDE	: 0+75 SE from base line running N 45°E from shaft.	LOGGED BY	: H. Dowhaluk
DEPARTURE	: Section 0+60 NE (ft).	DATE LOGGED	: Apr. 4/87
DRILLED BY	: Barron Diamond Drilling Ltd.	ZONE	: Shaft
MACHINE	: Longyear 38		
CORE SIZE	: BQ, 1-7/16" (36.5 mm).		

****

0 - 14.0 : OVERBURDEN. Casing.

14.0 - 76.8 : FINE-GRAINED LAVA Dk greenish gray, compact, massive, very f-grd, siliceous, non-magnetic (does not attract magnet). Occasional qtz-carb lines @ 45°, 60°. Grades into next.

45.0: ½" carbonate veinlet, chloritic on sides.

48.0: 2" Felsite. Pin point py. Buff colour.

76.8 - 176.0 : DIORITE. Dk greenish gray, med-grd w indistinct flecks of white plagioclase. Faintly magnetic in places, attracts magnet.

78.0 - 79.0: Coaser amygdules towards 78 ft., Amygdules 3-7 mm.

83.0 - 84.0: Altered diorite, finer-grd, resembles f-grd volcanic. Contacts gradational over about 2 inches. Cluster of carb veinlets at 83.5 up to 4 mm.

83.2 - 83.7 (0.5 ft): 10% qtz-carb lines.

97.5 - 98.3: 5% carb veins up to 3/4", @ 35°, pin-point py

114.5 - 118.7: Badly broken up, rusty and decomposed. Some schistocity parallel to core.

118.7 - 124.2: 5-10% qtz-carb veinlets at 45°. 1-2 % dissem py.

END OF HOLE - 176 ft.

Diamond Drill Log

NEIGHBOURS RESOURCES INC. DDH: 87-9

LIST OF SAMPLES

			oz/ton Au	
# 374	47.9 - 48.2	0.3 ft.	Nil	Felsite w 2% dissem py
# 375	67.9 - 68.2	0.3	0.095 0.085	3 of ½" veinlets, sparse pinpoint py.
# 376	83.2 - 83.7	0.5	Nil	Cluster of carb stringers
# 377	97.5 - 98.3	0.8	Nil	5% carb veinlets, pp py
# 378	116.0 - 118.7	2.7	Nil	Rusty schistose material
# 379	118.7 - 124.2	5.5	0.025	5-10% qtz lines, 1-3 mm @ 45°.

END

Diamond Drill Log

NEIGHBOURS RESOURCES INC.

PROPERTY	: John Sirola Option	HOLE NO.	: 87-10
LOCATION	: Grenfell Twsp., Ontario, District of Timiskaming, 2½ mi. S 57°E from Sesekinika. NTS: 42 A/1, 'Kirkland Lake', shaft at 605358.	DIP	: -65°
		BEARING	: N 45° W
		LENGTH	: 266 ft.
CLAIM NO.	: 512579. From #1 post: 650 ft S, 630 ft W	STARTED	: Mar.30/87
		COMPLETED	: Mar.31/87
LATITUDE	: 0+75 SE from base line running N 45°E from shaft.	LOGGED BY	: H. Dowhaluk
DEPARTURE	: Section 0+60 NE (ft)	DATE LOGGED	: Apr.4/87
DRILLED BY	: Barron Diamond Drilling Ltd.	ZONE	: Shaft
MACHINE	: Longyear 38.	CORE SIZE	: BQ, 1-7/16" (36.5 mm)

****

0 - 14.0 : OVERBURDEN. Casing.

14.0 - 104.3 : FINE-GRAINED VOLCANIC. Dark greenish-bluish gray. F-grd, almost dense, massive, compact, siliceous. Contact w next sharp @ 30°.

47.7: 1" qtz-carb @ 60°.

74.7 - 75.7: ½" irregular qtz-carb parallel to core

90.4 - 94.5: Badly broken core. Central section somewhat rhyolitic & brecciated.

94.5 - 102.0: Few scattered qtz-carb veinlets and lines up to 5 mm wide.

104.3 - 266.0 : DIORITE. Dk greenish black. Med-grd, flecked w inconspicuous small grains of white plagioclase. Massive, compact, siliceous.

106.7 - 107.5: About 50% pinkish carbonate as elongated blebs

123.0: ½" carbonate vein at 80°.

145.5: ½" chlorite seam w slickensides.

218.5 - 219.4: Badly broken up

222.5 - 223.2: Badly broken up.

224.8 - 229.0: Badly broken up.

221.8 - 224.8: About 15% wh carb & qtz-carb lines and veinlets up to 1/3". Some qtz-ep veinlets w pp pyrite.

END OF HOLE - 266 ft.

Diamond Drill Log

NEIGHBOURS RESOURCES INC. DDH: 87-10

LIST OF SAMPLES

			oz/to Au	
# 380	74.7 - 75.7	1.0 ft.	0.020	½" qtz-carb vein, parallel to core
# 381	90.4 - 94.5	4.1	Nil	Badly broken rock.
# 382	106.7 - 107.5	0.8	0.100 0.125	50% pink carb lenses
# 383	221.8 - 224.8	3.0	Nil	Up to 5% qtz-carb lines
#2520	107.5 - 111.0	3.5	0.035 0.030	Gabbro
#2521	111.0 - 116.0	5.0	0.010	Gabbro

End

Diamond Drill Log

NEIGHBOURS RESOURCES INC.

PROPERTY : John Sirola Option
LOCATION : Grenfell Twsp., Ontario. District of Timiskaming, 2½ mi. S 57°E from Sesekinika. NTS: 42 A/1, 'Kirkland Lake', shaft at 605358.
CLAIM NO. : 512579. From #1 post: 689 ft S, 633 ft W
LATITUDE : 1+25 SE from base line running N 45°E from shaft.
DEPARTURE : Section 0+60 NE (ft)
DRILLED BY : Barron Diamond Drilling Ltd.
MACHINE : Longyear 38

HOLE NO. : 87-11
DIP : -61°
BEARING : N 45° W
LENGTH : 314 ft.
STARTED : Mar. 31/87
COMPLETED : Apr. 1/87
LOGGED BY : H. Dowhaluk
DATE LOGGED: Apr.5/87
ZONE : Shaft
CORE SIZE : BQ, 1-7/16", (36.5 mm)

****

0 - 22.0 : OVERBURDEN. Casing.

22.0 - 159.6 : FINE-GRAINED VOLCANIC Dark bluish-greenish gray, very f-grd, massive, compact, siliceous, non-magnetic. Few white threads, lines, stringers up to 5 mm ofqtz-carb at 45°. Occasional small bits of rhyolitic material, probably pyroclastic.

25.2 - 26.2: 3/4" qtz-carb str w 4% py. Veinlet of pyrite (5 mm) at start. Rock altered.
73.8: 1/3" chlorite slip @ 30°.
76.1: Chlorite slip (2 mm) offsets wh carb line by 5 mm.
80.6 - 83.3: Badly broken up.
83.3 - 84.5: Massive; lt gray around 84.0, carbonatized.
84.5 - 85.0: Badly broken up.
85.3: 1" qtz-carb veinlet. Rusty in part. Py. At 80°.
87.0 - 88.0: 5% qtz-carb veinlets, rusty.
90.5 - 91.3: Several wispy carbonate lenses up to ½".
99.4 - 100.2: Two lenses of brecciated material, mostly pink & wh carbonate.
103.5: ½" wh carb veinlet @ 40° w chlorite and fine black needles of tourmaline.
105.0: ½" pinkish carbonate.
110.0: 2" carb vein @ 80°. Pink & white carb. About 3% dissem py. Few small lumps & crystals of aspy (striated, staircase type).
106.0 - 106.8: (0.8 ft) **Diabase. 4% py, lumpy.**
109.8-110.2: 2" carb vein w py, aspy in small amts.
130.0: ½" qtz-carb veinlet @ 35°.
147.1-148.0: 10% wh carb str up to 3/4".

cont'd

NEIGHBOURS RESOURCES INC DDH: 87-11

159.6 - 314.0 : DIORITE

Contact w above gradational but distinct. First 6 feet with amygdules (3-5 mm), spherules of up to ½" in diameter of lighter plag and ep. Typical dioritic texture w flecks of plag in mafic material. Med-grd, dk greenish gray. Scattered small grains of pyrite.

169.5: ½" carb vein.

173.0: 3/4" carb vein.

193.7: 3/4" qtz-carb vein, 5% py.

218.2 - 222.0: A ¼" white qtz-carb str parallel or 5° to core. Chlorite on sides.

231.5 - 232.3: (0.8 ft), 1" qtz-carb @ 30°. 2% py.

241.5 - 242.0: 10% carb veining @ 10°, mostly lines.

247.3 - 248.3: ½" to ¼" carb str at 30° to 15° to core.

254.8: Chl-carb slip (1/4")

END OF HOLE - 314 ft.

NEIGHBOURS RESOURCES INC. DDH: 87-11

LIST OF SAMPLES

			oz/ton Au	
# 384	25.2 - 26.2	0.6 ft.	Nil	5 mm py streak at start. At 26.0, 3/4" qtz-carb vnlet w 4% py.
# 385	85.1 - 85.4	0.3	0.002	1" vein, rusty in part. Ankerite. pp py.
# 386	87.0 - 88.0	1.0	0.002	5% qtz-carb veinlets in andesite.
# 387	90.5 - 91.3	0.8	0.002	Several wispy carb lenses, buffy colour
# 388	99.4 - 100.2	0.8	0.005	Carb lenses, brecciated
# 389	106.0 - 106.8	0.8	Nil	**Diabase,** & carb @ 45°, 5% py
# 390	109.8 - 110.2	0.4	0.045	2" carb vn w py, aspy
# 391	147.1 - 148.0	0.9	0.010	10% wh qtz str up to 3/4"
# 392	193.5 - 193.9	0.4	0.002	3/4" qtz-carb vn w 5% py.
# 393	231.5 - 232.3	0.8	0.300 0.275	1" qtz-carb str @ 30°, 2% py.

END

Diamond Drill Log

NEIGHBOURS RESOURCES INC.

PROPERTY	: John Sirola Option	HOLE NO.	: 87-12
LOCATION	: Grenfell Twsp, Ontario. District of Timiskaming. 2½ mi. S 57°E from Sesekinika. NTS: 42 A/1, 'Kirkland Lake', shaft at 605358.	DIP	: -59°
		BEARING	: N 45°W
		LENGTH	: 370 ft.
		STARTED	: Apr.1, 1987
CLAIM NO.	: 512579. From #1 post, 728 ft S; 558 ft W	COMPLETED	: Apr.6, 1987
LATITUDE	: 1+75 SE from base line running N 45°E from shaft.	LOGGED BY	: H. Dowhaluk
		DATE LOGGED	: Apr.6, 1987
DEPARTURE	: Section 0+60 NE (ft)	ZONE	: Shaft
DRILLED BY	: Barron Diamond Drilling Ltd.	CORE SIZE	: BQ, 1-7/16", (36.5 mm)
MACHINE	: Longyear 38		

****

0 - 73.0 : OVERBURDEN. Casing.

73.0 - 216.5 : FINE-GRAINED VOLCANIC. Dark bluish-greenish gray, very fine-grd, hard, massive mostly, compact, siliceous. Some few lines & veinlets of qtz-carb, much less than 5%.

107.4 - 107.8: two ¼" white veinlets @ 45°; 50% carbonate, blebs of qtz.

175.6 - 176.5: 1" carb str, nearly parallel to core, some reddish carbonate.

178.6 - 180.1: (1.5 ft) 20% carb veinlets, whitish, up to 1" wide.

180.6 - 181.1 : (0.5 ft), 1/3" pink carb. Dioritic over 4" w pale green plag.

202.8 - 203.1 : 20% carb veinlets, white, @ 30° to core.

216.5 - 222.0 : **SYENITE PORPHYRY. Pinkish coloured.** Contacts @ 45°. Specked w dark med-grd grains of ferromagnesian material. 1% diss py. Rusty, partly decomposed in places.

222.0 - 370.0 : DIORITE. Dk green-gray; flecked w greenish white plag. Heavy, massive, med-grd.

300.5: 1" zone brecciated diorite, carbonate.

314.6 - 315.4 (0.8 ft): five qtz-carb str ¼" wide. Pinpoint py.

321.8 - 324.0. (2.2 ft): Altered (chloritic), finer-grd, carbonatized. Numerous (5-10%) thread-like carb lines.

cont'd

NEIGHBOURS RESOURCES INC. DDH: 87 - 12

363.0 - 364.0: (1.0 ft). 3/4" qtz vein almost parallel to core. 1-2% py cubes.

360.5, 364.6, 368.2: ¼" qtz-calcite veinlets.

END OF HOLE - 370 ft.

Diamond Drill Log

NEIGHBOURS RESOURCES INC. DDH: 87 - 12

LIST OF SAMPLES

			oz/ton Au	
# 394	107.4 - 107.8	0.4 ft	0.020	50% carb, qtz-carb veinlets
# 395	175.6 - 176.5	0.9	0.002	1" carb str nearly parallel to core, some reddish carb.
# 396	178.6 - 180.1	1.5	0.002	20% carb veinlets, whitish gray, up to 1" wide.
# 397	180.6 - 181.1	0.5	0.002	1/3" pink carb, diorite for 4"
# 398	202.8 - 203.1	0.3	0.090 0.100	20% carb veinlets, white.
# 399	216.5 - 222.0	5.5	0.002	Carbonatized **porphyry.**
# 400	314.6 - 315.4	0.8	**0.002**	Five $\frac{1}{4}$" qtz-carb str.
# 428	321.8 - 324.0	2.2	**Nil**	Chlorite-carb alteration, carb threads.
# 429	363.0 - 364.0	1.0	**Nil**	3/4" qtz vn almost parallel to core

END

Diamond Drill Log

NEIGHBOURS RESOURCES INC

PROPERTY	: John Sirola Option	HOLE NO.	: 87-13
LOCATION	: Grenfell Twsp, Ontario, District of Timiskaming, 2½ mi. S 57°E from Sesekinika. NTS: 42 A/1, 'Kirkland Lake', shaft at 605358	DIP	: -68°
		BEARING	: N 45°W
		LENGTH	: 350 ft.
CLAIM NO.	: 512579. From No. 1 post: 728 ft S, 558 ft W	STARTED	: Apr.6/87
		COMPLETED	: Apr.8/87
LATITUDE	: 1+75 SE from base line running N 45°E from shaft.	LOGGED BY	: H. Dowhaluk
		DATE LOGGED	: Apr.13/87
DEPARTURE	: Section 0+60 NE (ft)	ZONE	: Shaft
DRILLED BY	: Barron Diamond Drilling Ltd	CORE SIZE	: BQ, 1-7/16", (36.5 mm)
MACHINE	: Longyear 38		

****

0 - 72.0 : OVERBURDEN. Casing.

72.0 - 87.8 : FINE-GRAINED VOLCANIC. Dark greenish gray. F-grd, almost dense. Compact mostly. Qtz-carb lines & strings scattered about.

- 82.0 - 83.2: Brecciated, white & red patches & veinlets up to 1", 5% lumpy py.
- 83.2 - 87.8: Chlorite schist, less than 5% qtz-carb lines.

87.8 - 90.0 : QUARTZ VEIN. (2.2 ft.) Light gray to whitish, cherty-looking qtz w 2-5% dissem py crystals and grains. Up to 20% **pink feldspar.**

90.0 - 91.0 : GREENSTONE. Chloritic, some carbonate, minor py.

91.0 - 94.5 : QUARTZ VEIN. (3.5 ft) White. Carbonate in first foot, then wh milky qtz. Vn @ 45° on bottom contact.

94.5 - 299.0 : FINE-GRAINED VOLCANIC As above. Few scattered qtz-carb lines.

- 94.5 - 101.0: 5-10% wh qtz-carb @ 45° to core
- 105.0: ½" qtz-carb veinlet @ 35°.
- 108.0 - 112.5: Badly broken core.
- 114.2 - 115.0: 30% qtz-carb stringers.
- 199.0 - 201.0. Lt gray greenstone, carbonatized.
- 222.0: ½" carb veinlet @ 40°.
- 273.5 - 275.7: Brecciated volcanic w 5-10% red & white carbonate. Considerable chlorite, 1% py. Rock very hard.

Contact w next fairly distinct.

cont'd

NEIGHBOURS RESOURCES INC DDH: 87 - 13

299.0 - 350.0 : DIORITE. Dk greenish gray, specked w white plag. Med-grd, massive, compact.
347.8 - 348.5: (0.7 ft) Qtz-carb stringers (15%), 2% py.

END OF HOLE - 350 ft.

Diamond Drill Log

NEIGHBOURS RESOURCES INC. DDH: 87-13

LIST OF SAMPLES

			oz/ton Au	
# 430	82.0 - 83.2	1.2 ft.	0.002 0.002	Breccia, 25% carb 5% lumpy py
# 431	83.2 - 87.8	4.6	Nil	Chl schist w under 5% carbonate.
# 432	87.8 - 90.0	2.2	Nil	Cherty-looking qtz vein.
# 433	90.0 - 91.0	1.0	Nil	Greenstone.
# 434	91.0 - 94.5	3.5	Nil	Wh qtz vein
# 435	94.5 - 101.0	6.5	Nil	5-10% qtz-carb lines
# 436	114.2 - 115.0	0.8	0.002	30% qtz-carb str
# 437	273.5 - 275.7	2.2	0.045	Brecciated somewhat, 5% qtz-carb str
# 438	347.8 - 348.5	0.7	0.025	15% qtz-carb str, Minor py.

END

Diamond Drill Log

NEIGHBOURS RESOURCES INC

PROPERTY	: John Sirola Option	HOLE NO.	: 87-14
LOCATION	: Grenfell Twsp, Ontario. District of Timiskaming, 2½ mi. S 57°E from Sesekinica. NTS: 42 A/1, 'Kirkland Lake', shaft at 605358.	DIP	: -45° :-41° @ 127'
		BEARING	: S 45°E
		LENGTH	: 127 ft.
CLAIM NO.	: 512579. From #1 post: 498 ft S, 580 ft W	BEGUN	: Apr. 8/87
		COMPLETED	: Apr. 14/87
LATITUDE	: 0-SE from base line running N 45°E from shaft	LOGGED BY	: H. Dowhaluk
		DATE LOGGED	: Apr. 16/87
DEPARTURE	: Section 2+00 NE (ft)	ZONE	: Shaft
DRILLED BY	: Barron Diamond Drilling Ltd.	CORE SIZE	: BQ, 1-7/16" (36.5 mm)
MACHINE	: Longyear 38		

****

0 - 36.0 : OVERBURDEN. Casing.

36.0 - 62.0 : DIORITE. Dk green-gray, med-grd, flecked w white plag. Massive, compact. Carbonatized & altered in spots. Magnetic in spots. Contact w next quite abrupt but gradational over one inch.

45.0 - 49.0: Altered zone, gray, carbonate-impregnated; 5% qtz-carb lines & veinlets, 2% dissem py.

62.0 - 127.0 : FINE-GRAINED VOLCANIC Dark greenish-bluish gray, f-grd, massive, compact, siliceous.

63.0: ½" qtz carb veinlet @ 55°.

64.6 - 65.6: (1.0 ft): 10% qtz-carb. Minor py.

73.0 - 75.0; 73.0-75.0; 81.0 - 84.5; 97.0 - 98.0; 103.0 - 104.0; 112 - 116; 119 - 127: Sections with badly broken up core.

END OF HOLE - 127 ft.

Note: Hole abandoned because of bad ground. Hole was cemented once without success. The hole may be very close to the subcrop surface.

NEIGHBORS RESOURCED INC

DDH: 87-14

LIST OF SAMPLES

			oz/t Au	
#81555	36.0 - 40.0	4.0 ft.	0.002	Gb, 2% py
#81556	40.0 - 45.0	5.0	Nil	" "
#442	45.0 - 49.0	4.0	0.002	Gb, 5% qtz-carb lines, 2% py
#81557	49.0 - 54.0	5.0	0.002	Gb, 1% py
#81558	54.0 - 58.0	4.0	0.002, 0.002	Gb
#81559	58.0 - 62.0	4.0	Nil	Gb, 2% py
#81560	62.0 - 64.6	2.6	Nil	Dacite, 2% py
#81561	64.6 - 70.0	5.4	0.002	Dacite, 1% py
#81562	70.0 - 74.0	4.0	0.005	Dacite
#81563	74.0 - 84.0	10.0	0.110, 0.075 0.080, 0.090	Dac, 1% py
#81564	84.0 - 94.0	10.0	Nil	Dacite, 1% py
#81565	81.0	-	-	Check sulphides for As - < 1 ppm

End

74.0 - 84.0 10.0 ft. 0.089

Diamond Drill Log

NEIGHBOURS RESOURCES INC

PROPERTY	: John Sirola Option	HOLE NO.	: 87-15
LOCATION	: Grenfell Twsp, Ontario, District of Timiskaming, 2½ mi. S 57°E from Sesekinika. NTS: 42 A/1, 'Kirkland Lake', shaft at 605358.	DIP	: -68°
		BEARING	: N 45°W
		LENGTH	: 263 ft.
		BEGUN	: Apr.8,1987
CLAIM NO.	: 512579. From #1 post: 498 ft S, 580 ft W.	COMPLETED	: Apr.9,1987
LATITUDE	: 0-SE from base line running N 45°E from shaft	LOGGED BY	: H. Dowhaluk
		ZONE	: Shaft
DEPARTURE	: Section 2+00 NE (ft)	CORE SIZE	: BQ, 1-7/16" (36.5 mm)
DRILLED BY	: Barron Diamond Drilling Ltd	DIP TEST	: -74° @256'
MACHINE	: Longyear 38		

****

0 - 42.0 : OVERBURDEN. Casing.

42.0 - 222.0 : DIORITE. Dk green-gray. Med-grd w white plag specks. Massive, compact, siliceous.

46.2: ½" qtz-carb vnlet at 75°.

51.4: two ½" qtz-carb-ep veinlets @ 60°.
67.4: 3/4" vn, qtz-carb-ep, @ 80°.

105.6 - 105.8: Qtz-carb vn, 40% breccia.

141.5 - 142.2: 1½" ep vnlet @ 15° to core.

161.0 - 178.5: Scattered qtz-carb stringers, lines, from 80° to 15°.

186.7 - 189.2: Mostly breccia w lumps of carb & qtz-carb stringers.

Some 50 ft from contact w next, the diorite texture somewhat obscured with more greenstone-like aspect.

222.0 - 256.0 : FINE-GRAINED LAVA. Dk bluish-greenish gray, f-grd, massive, compact.

239.5 - 256.0: Fossil vesicular textures in places.

256.0 - 263.0 : EMPTY SPACE. Broke through in drift on the 250-ft level.

END OF HOLE - 263 ft.

Diamond Drill Log

NEIGHBOURS RESOURCES INC. DDH: 87 - 15

			oz/ton Au	
# 439	105.6 - 105.8	0.2 ft.	Nil	Qtz-carb vn w 40% breccia.
# 440	141.5 - 142.2	0.7	0.110 0.100	$1\frac{1}{2}$" ep vnlet @ 15^{o} to core
# 441	186.7 - 189.2	2.5	Nil	Breccia w qtz-carb lumps & veinlets

END

Diamond drill log

NEIGHBOURS RESOURCES INC

PROPERTY	: John Sirola option	HOLE NO.	: 87-16
LOCATION	: Grenfell Twsp, Ont., 2½ mi. S57°E from Sesekinika. NTS: 42 A/1, Kirkland Lake; shaft 605358	DIP	: -45°
		BEARING	: S 35°E
		LENGTH	: 153 ft.
CLAIM NO.	: 512579; from No. 1 P -600'S -810'W	STARTED	: Aug. 16,1987
LATITUDE	: L-0	COMPLETED	: Aug. 24,1987
DEPARTURE	: 0+40 ft W (12.2 m)	LOGGED BY	: H. Dowhaluk
DRILLED BY	: Ferguson Mining Services	DATE LOGGED	: Aug.27, 1987
MACHINE	: G-15 Winky, IAX core (1-7/8")	ZONE	: Shaft vein

****

0 - 6.0 : OVERBURDEN. Casing.

6.0 - 97.7 : GABBRO. Dk green colour, med-grd. Anhedral grains of pale greenish white plagioclase and dark gray-green pyroxene. Disseminated grains of pyrite (less than 1%0. Occasional scattered qtz-carbonate lines and veinlets up to ½". More dioritic towards next, altered, very fine-grained at contact.
10.6: ½" qtz-veinlets at 30°.

97.7 - 153.0:DACITE. Med-gray, dense, hard, siliceous. Scattered qtz-carb veinlets up to ½". Scattered py.

End of hole: 153 ft.

List of Samples, p 2

NEIGHBOURS RESOURCES INC.

DDH: 87-16

LIST OF SAMPLES

			Au oz/t	
#2537	10.5 - 11.0	0.5 ft.	0.040/0.045	Gabbro w ½" qtz @ 30°
#2538	28.8 - 30.3	1.5	Nil	Gb w 4 qtz-carb str up to ½"
#2539	35.0 - 37.0	2.0	Nil / nil	Few qtz-carb lines in gabbro
#2540	43.6 - 45.4	1.8	0.050/0.060	Ep-qtz-carb lines & str up to ¼"
#2541	54.0 - 55.0	1.0	Nil	"
#2542	64.4 - 67.0	2.6	0.002	qtz-carb-ep str 2 vnlets @ 80° and 70°
#2543	82.0 - 86.0	4.0	0.075/0.060	Altered gb, 5% qtz-carb vnlets. 1% py
#2544	86.0 - 91.0	5.0	0.080/0.090	Alt gb, 5% qtz-carb
#2545	91.0 - 94.6	3.6	0.005	Gb, 5% qtz carb str
#2546	94.6 - 95.5	0.9	0.010	Several qtz-carb str @ 35°. 4% py
#2547	95.5 - 97.7	2.2	0.010	Gb, very f-grd. Less than 5% qtz-carb
#2548	97.7 - 102.7	5.0	0.010	Under 5% qtz-carb Dacite.
#2549	102.7 - 106.0	3.3	0.025	"
#2550	106.0 - 111.0	5.0	0.270/0.245/0.200	" Av. 0.238
#2551	111.0 - 116.0	5.0	0.085	"
#2552	116.0 - 121.0	5.0	0.040	"
#2553	121.0 - 126.0	5.0	0.002	Dacite. Sparse dissem py.
	106.0 - 111.0	5.0	0.238 oz/t Au	
	82.0 - 121.0	39.0 ft.	0.069 oz/t Au	

Diamond Drill Log

NEIGHBOURS RESOURCES INC

PROPERTY	: John Sirola Option	HOLE NO.	: 87-17
LOCATION	: Grenfell Twsp, Ont., 2½ mi. S 57°E from Sesekinika. NTS: 42 A/1, 'Kirkland Lake: Shaft 605358	DIP	: -60°
		BEARING	: S 35° E
CLAIM NO.	: 512579: from No. 1 Post, 600' S, 810' W	DEPTH	: 252 ft.
		STARTED	: Aug. 24, 1987
LATITUDE	: L-0	COMPLETED	: Sept. 7, 1987
DEPARTURE	: 0+40 ft W (12.2m)	LOGGED BY	: H. Dowhaluk
DRILLED BY	: Ferguson Mining Services	DATE LOGGED	: Sept.10, 1987
MACHINE	: G-15 Winky, IAX core - 1-3/8"	ZONE	: Shaft

****

0 - 4.5 : OVERBURDEN, MINE MUCK. Casing.

4.5 - 138.0 : GABBRO. Dk green, crse-med-grd, massive. Scattered grains of py (less than 1%), and a few scattered qtz-carb-epidote lines and stringers mostly under ½" and under 5%. Grades into next, very f-grd @ contact.
76.0 - 76.25: Qtz vein, white.

138.0 - 252.0: DACITE. Med-gray, hard, siliceous, massive. Up to 5% qtz-carb-ep lines, stringers.

153.0: grain of scheelite (fluorescent).

158.7 - 159.7: Rhyolite w qtz in fractures, buff-coloured. Broken, shattered.

171.1 - 171.3: Breccia, rock fragments in white qtz-carb.

END OF HOLE: 252 ft.

List of samples p 2

LIST OF SAMPLES

			oz/t Au	
#2554	28.5 - 29.5	1.0 ft.	0.015	Several small qtz vnlts in gabbro
#2555	55.7 - 56.4	0.7	0.090/0.110	Gb, 50% ep streaking, rare dissem py
#2556	71.7 - 72.8	1.1	Nil	35% qtz-carb-ep vnlets, blebs, in gabbro.
#2557	72.8 - 76.0	3.2	0.002	5% qtz-carb-ep vnlets
#2558	76.0 - 76.4	0.4	0.105/0.110	3" wh qtz vn in gb
#2559	80.7 - 81.2	0.5	0.015	½" qtz-carb-ep vn
#2560	93.7 - 105.0	11.3	0.020	Gb
#2561	105.0 - 112.5	7.5	0.010	Gb, 5% qtz-carb-ep str. Under 1% dissem py.
#2562	112.5 - 120.0	7.5	0.045	"
#2563	120.0 - 125.0	5.0	0.010	Gb, "
#2564	125.0 - 131.5	6.5	0.005	"
#2565	131.5 - 138.0	6.5	0.115/0.090	"
#2566	138.0 - 145.0	7.0	0.030	Dacite, 5% qtz-carb-ep, under 1% dissem py
#2567	145.0 - 150.0	5.0	0.002	"
#2568	150.0 - 157.5	7.5	0.010	"
#2569	157.5 - 160.0	2.5	0.005	Rhyolite fragments, 15% qtz-carb
#2570	160.0 - 163.5	3.5	0.125/0.100	Dacite, badly broken up
#2571	163.5 - 168.0	4.5	0.005	Dacite, less than 5% qtz-carb str, under 1% dissem py
#2572	168.0 - 172.0	5.0	0.030	"
#2573	172.0 - 177.0	5.0	0.045	"
#2574	177.0 - 182.0	5.0	0.015	"

131.5 - 163.5	32.0 ft.	0.044 oz/t Au
112.5 - 177.0	65.5	0.034 oz/t Au

Diamond drill log

PROPERTY : John Sirola Option
LOCATION : Grenfell Twsp, Ont., 2½ mi. S 57°E from Sesekinika. NTS: 42 A/1, 'Kirkland Lake'. Shaft 605358
CLAIM NO. : 512579; from No. 1 Post, 600' S, 810'
LATITUDE : L-0
DEPARTURE : 0+40 ft W (12.2 m)
DRILLED BY: Ferguson Mining Services
MACHINE : G-15 Winky, IAX core - 1-3/8"

HOLE NO. : 87-18
DIP : -45°
BEARING : Due South
LENGTH : 403 ft.
STARTED : Sept. 9/87
COMPLETED : Sept. 30/87
LOGGED BY : H. Dowhaluk
ZONE : Shaft

****

0 - 6.0 : OVERBURDEN. Mine muck.

6.0 - 108.0 : GABBRO. Dk green, med-grd, massive. Dissem py under 1%.
81.3: 1" qtz vein w 10% scheelite (bluish white fluoresence.
82.3-82.6: 4" white qtz vein.
89.1: 1" white qtz @ 45°
89.3: 3/4" qtz vn @ 80°
89.5-89.8: 4" white qtz
96.3: VG, speck, in ½" qtz str

108.0 - 130.0: ARKOSE. F-grd, pinkish gray. Compact, massive. Mostly pink orthoclase w less than 10% mica and hornblende. Disseminated pyrite, 1-3%. Central portion med-grd with slightly porphyritic texture.

130.0 - 138.7: GABBRO. As above.

138.7 - 140.4: QUARTZ VEIN. White, shades of gray along cracks. Remnants of wall rock towards contacts, mottled, digested. Less than 1% py. Massive quartz for over foot in central part. (Au = 0.015 oz/t)

140.4 - 282.0: GABBRO. As above.

257.7-261.0: 3.3 ft. Whitish, heavily carbonatized w 20% qtz-carb blebs and veinlets. 3% dissem fine py. At 45 to 90°.

282.0 - 403.0: DACITE. Dense to f-grd. Med gray, felsitic chips, massive, siliceous, hard.

End of Hole - 403.0 ft.

NEIGHBOURS RESOURCES INC.

DDH: 87-18

LIST OF SAMPLES

			Au oz/t	Ag	
#2576	6.0 - 13.0	7.0 ft.	0.002		Gb, 1% dissem py
#2577	13.0 - 23.0	10.0	0.002		" "
#2578	23.0 - 28.5	5.5	0.010		" "
#2579	28.5 - 34.0	5.5	Nil		Gabbro
#2580	34.0 - 39.0	5.0	0.002		Gb
#2581	39.0 - 44.0	5.0	0.035 0.035		Gb
#2582	44.0 - 51.0	7.0	Nil		Gb
#2583	51.0 - 56.0	5.0	0.005		Gb
#2584	56.0 - 61.0	5.0 ft.	0.002		Gb
#2585	61.0 - 66.0	5.0	0.005		Gb
#2586	66.0 - 71.0	5.0	0.015		Gb
#2587	71.0 - 76.0	5.0	0.095		Gb
#2588	76.0 - 81.0	5.0	0.075		Gb
#2589	81.0 - 82.1	1.1	0.090		Gb, 1" vn w scheelit
#2590	82.1 - 82.7	0.6	0.145	Tr	Gb, 4" qtz vn
#2591	82.7 - 89.0	6.3	0.020		Gb
#2592	89.0 - 90.0	1.0	0.070		Gb, 1 to 4" qtz vns
#2593	90.0 - 96.0	6.0	0.180 0.180	Tr	Gb
#2594	96.0 - 97.0	1.0	0.285 0.260	Tr	Gb, ½" qtz vn, VG?
#2595	97.0 - 103.0	6.0	0.015		Gb
#2596	103.0 - 108.0	5.0	0.105	Nil	Gb
#2597	108.0 - 113.0	5.0 ft.	0.002		Arkose, 2% py
#2598	113.0 - 120.0	7.0	0.002		" "
#2599	120.0 - 125.0	5.0	Nil		" "
#2600	125.0 - 130.0	5.0	0.002		"
#601	130.0 - 135.0	5.0	0.015 0.015		Gabbro
#602	135.0 - 138.7	3.7	0.010		Gb
#603	138.7 - 140.4	1.7	0.015		Qtz vein
#604	140.4 - 145.0	4.6 ft.	0.030		Gb
#605	145.0 - 150.0	5.0	0.040, 0.050 0.045 0.040		Gb
#606	150.0 - 155.0	5.0	0.005		Gb
#607	155.0 - 160.0	5.0	0.002		Gb

Neighbours Resources Inc

LIST OF SAMPLES (continued) DDH: 87-18

			oz/t Au	
# 608	160.0 - 165.0	5.0 ft.	0.002	Gabbro
# 609	165.0 - 170.0	5.0	0.002	Gb
# 610	170.0 - 175.0	5.0	Nil	Gb
# 611	175.0 - 180.0	5.0	Nil	Gb
# 612	180.0 - 185.0	5.0	o.oo2	Gb
# 613	185.0 - 190.0	5.0	0.002	Gb
# 614	190.0 - 195.0	5.0	0.002 Nil	Gb
# 615	195.0 - 200.0	5.0	Nil	Gb
# 616	200.0 - 205.0	5.0	Nil	Gb
# 617	205.0 - 210.0	5.0	Nil	Gb
# 618	210.0 - 214.0	4.0	Nil	Gb
# 619	214.0 - 218.0	4.0	Nil	Gb
# 620	218.0 - 223.0	5.0	Nil	Gb
# 621	223.0 - 228.0	5.0	Nil	Gb
# 622	228.0 - 233.0	5.0	Nil	Gb
# 623	233.0 - 238.0	5.0	0.002	Gb
# 624	238.0 - 243.0	5.0	Nil	Gb
# 625	243.0 - 248.0	5.0	Nil	Gb
# 626	248.0 - 253.0	5.0	Nil	Gb
# 627	253.0 - 257.7	4.7	Nil	Gb
# 628	257.7 - 261.0	3.3	Nil	Carb'zd gabbro, 20% qtz str
# 629	261.0 - 267.0	6.0	Nil	Gb
# 630	267.0 - 272.0	5.0	Nil	Gb
# 631	272.0 - 277.0	5.0	Nil	Gb
# 632	277.0 - 282.0	5.0	Nil	Gb
# 633	282.0 - 288.0	6.0	Nil	Gb
# 634	288.0 - 292.0	4.0	Nil	Dacite
# 635	292.0 - 297.0	5.0	Nil	Dacite
# 636	297.0 - 302.0	5.0	Nil	Dacite
# 637	302.0 - 306.0	4.0	Nil	Dacite
# 638	306.0 - 310.0	4.0	Nil	Dacite
# 639	310.0 - 315.0	5.0	Nil	Dacite
# 640	315.0 - 320.0	5.0	Nil	Dacite
# 641	320.0 - 326.0	6.0	Nil	Dacite
# 642	326.0 - 331.0	5.0	Nil	Dacite
# 643	331.0 - 336.0	5.0	Nil	Dacite
# 644	336.0 - 340.0	4.0	Nil	Dacite

Continued

Neighbours Resources Inc
DDH 87-18

LIST OF SAMPLES (continued)

			oz/t Au	
# 645	340.0 - 344.0	4.0 ft	Nil	Dacite
# 646	344.0 - 349.0	5.0	Nil	"
# 647	349.0 - 353.0	4.0	Nil	"
# 648	353.0 - 358.0	5.0	Nil	"
# 649	358.0 - 363.0	5.0	Nil	"
# 650	363.0 - 368.0	5.0	Nil	"
# 651	368.0 - 373.0	5.0	Nil	"
# 652	373.o - 378.0	5.0	Nil	"
# 653	378.0 - 383.0	5.0	Nil	"
# 654	383.0 - 388.0	5.0	Nil	"
# 655	388.0 - 393.0	5.0	Nil	"
# 656	393.0 - 398.0	5.0	Nil	"
# 657	398.0 - 403.0	5.0	Nil	"

Summary of results

39.0 - 44.0	5.0 ft.	0.035 oz/t Au
66.0 - 108.0	42.0 ft.	0.078 oz/t Au
130.0 - 150.0	20.0 ft.	0.025 oz/t Au

Diamond drill log

PROPERTY	: John Sirola Option	HOLE NO.	: 87-19
LOCATION	: Grenfell Twsp, Ont., 2½ mi. S 57°E from Sesekinika. NTS: 42 A/1, 'Kirkland Lake'. Shaft 605358	DIP	: -45°
		BEARING	: S 35°E
		LENGTH	: 225 ft.
CLAIM NO.	: 512579; from No. 1 post, 625'S, 853' W	STARTED	: Oct.15/87
LATITUDE	: 0+24' S (7.6 m)	COMPLETED	: Oct.23/87
DEPARTURE	: 0+84' W (25.6 m)	LOGGED BY	: H. Dowhaluk
DRILLED BY	: Ferguson Mining Services	ZONE	: Shaft
MACHINE	: G-15 Winky; IAX core - 1-3/8"		

****

0 - 4.0 : OVERBURDEN. Casing.

4.0 - 120.0 : GABBRO. Dk gray-green. Med-grd mostly, massive. Pyroxene, plagioclase, some chlorite. Scattered qtz-carb stringers & lines mostly at 45°.
14.0-15.0: Lost core.
105.0-105.6: Calcite vein, white & gray. 0.002 oz/t Au

120.0 - 167.3: ARKOSE. F-med-grd. Buffy-pink, massive.

167.3 - 169.0: NO CORE. Driller's "gouge".

169.0 - 174.6: DACITE. Dk gray, massive, very f-grd, siliceous.

174.6 - 176.8: QUARTZ VEIN. Breccia at start. Gabbro fragments w qtz filling. Few grains pyrite. Nil oz/t Au.

178.6 - 218.0: GABBRO. As above. Grades very rapidly into next.

218.0 - 224.0: DACITE. As above.

224.0 - 225.0: GABBRO.

225 ft. - End of hole

NEIGHBOURS RESOURCES INC

DDH: 87-19

LIST OF SAMPLES

			oz/t Au	
# 658	4.0 - 12.0	8.0 ft.	Nil	Gabbro
# 659	12.0 - 20.0	8.0	0.005 0.005	Gb
# 660	20.0 - 25.0	5.0	Nil	Gb
# 661	25.0 - 30.0	5.0	0.002	Gb
# 662	30.0 - 35.0	5.0	0.002	Gb
# 663	35.0 - 40.0	5.0	0.002	Gb
# 664	40.0 - 45.0	5.0	0.002	Gb
# 665	45.0 - 50.0	5.0	0.005	Gb
# 666	50.0 - 53.0	3.0	0.002	Gb
# 667	53.0 - 54.3	1.3	0.002	Qtz-cal vn, gb
# 668	54.3 - 60.0	5.7	0.080 0.065	Gb
# 669	60.0 - 65.0	5.0	0.005	Gb
# 670	65.0 - 70.0	5.0	0.055	Gb
# 671	70.0 - 76.0	6.0	0.010	Gb
# 672	76.0 - 81.0	5.0	0.045	Gb
# 673	81.0 - 86.0	5.0	0.025	Gb
# 674	86.0 - 91.0	5.0	0.030	Gb, 3% py
# 675	91.0 - 96.0	5.0	0.64 0.65 0.59 0.69	Gb
# 676	96.0 - 101.0	5.0	0.035	Gb
# 677	101.0 - 105.0	4.0	0.035	Gb
# 678	105.0 - 105.6	0.6	0.002	Wh calcite vn
# 679	105.6 - 110.0	4.4	0.025	Gb
# 680	110.0 - 115.0	5.0	0.010	Gb
# 681	115.0 - 120.0	5.0	0.125 0.125	Gb, 2% py
# 682	120.0 - 129.0	9.0	0.002	Arkose.
# 683	129.0 - 138.0	9.0	0.002	"
# 684	138.0 - 148.0	10.0	Nil	"
# 685	148.0 - 158.0	10.0	0.002 0.002	"
# 686	158.0 - 167.3	9.3	0.002	"
# 687	167.3 - 174.6	7.3	Nil	Dacite

continued

NEIGHBOURS RESOURCES INC

Hole No. 87-19

LIST OF SAMPLES (continued)

			oz/t Au	
# 688	174.6 - 176.8	2.2 ft.	Nil	Qtz vn
# 689	176.8 - 184.0	7.2	0.002	Gb
# 690	184.0 - 189.0	5.0	Nil	Gb, few str
# 691	189.0 - 194.0	5.0	Nil	Gb
# 692	194.0 - 199.0	5.0	Nil	Gb
# 693	199.0 - 205.0	6.0	Nil	Gb
# 694	205.0 - 210.0	5.0	Nil	Gb
# 695	210.0 - 218.0	8.0	Nil	Gb
# 696	218.0 - 225.0	7.0	Nil	Gb, dacite

End of samples

54.3 - 120.0	65.7 ft.	0.084 oz/t Au
76.0 - 120.0	44.0 ft.	0.109 oz/t Au
91.0 - 96.0	5.0 ft.	0.642 oz/t Au

Diamond drill log
NEIGHBORS RESOURCES INC

PROPERTY	: John Sirola Option	HOLE NO.	: 87-20
LOCATION	: Grenfell Twsp, Ont., 2½ mi. S 57°E from Sesekinika. NTS: 42 A/1, 'Kirkland Lake', Shaft: 605358	DIP	: -60°
		BEARING	: S 35°E
		LENGTH	: 355 ft.
CLAIM NO.	: 512579; from No. 1 post, 625'S, 853'W	STARTED	: Oct. 25, 1987
LATITUDE	: 0+24' S (7.6 m)	COMPLETED	: Nov. 24, 1987
DEPARTURE	: 0+84' W (25.6 m)	LOGGED BY	: H. Dowhaluk
DRILLED BY:	Ferguson Mining Services	ZONE	: Shaft
MACHINE	: G-15 Winky; IAX core - 1-3/8"	LOGGED	: Nov., 1987

****

0 - 3.0 : OVERBURDEN. Casing.

3.0 - 139.0 : GABBRO. Dk greenish gray. Med-grd to crse-grd.

114.7 - 117.0: 2.3 ft. White qtz, 45° on first contact, 90° on 2nd. Thin paper-thin seam pyrite. Assays 0.151 oz/t Au.

139.0 - 172.0: DACITE. Med gray. F-grd to dense, massive, siliceous.

172.0 - 179.2: GABBRO.

179.2 - 180.7: NO CORE.

180.7 - 183.0: GABBRO.

183.0 - 186.5: LOST CORE.*
186.5 - 187.3: DACITE. *
187.3 - 189.8: NO CORE *
189.8 - 194.0: NO CORE *
194.0 - 195.0: DACITE. *

*Driller's remarks: "Cluster of narrow, open fractures and bands of weak incompetent rocks."

195.0 - 355.0: GABBRO.

End of hole - 355.0 ft.

NEIGHBOURS RESOURCES INC DDH: 87-20

LIST OF SAMPLES

			oz/t Au	
# 697	3.0 - 10.0	7.0 ft.	0.002	Gabbro
# 698	10.0 - 20.0	10.0	Nil	Gb
# 699	20.0 - 30.0	10.0	0.005	Gb
# 700	30.0 - 40.0	10.0	0.025 0.020	Gb
#4501	40.0 - 50.0	10.0	0.015	Gb
#4502	50.0 - 57.0	7.0	0.002	Gb
#4503	57.0 - 63.0	6.0	0.010	Gb
#4504	63.0 - 68.0	5.0	0.002	Gb
#4505	68.0 - 73.0	5.0	0.002	Gb
#4506	73.0 - 80.0	7.0	0.005	Gb
#4507	80.0 - 85.0	5.0	0.002	Gb
#4508	85.0 - 90.0	5.0	Nil	Gb
#4509	90.0 - 95.0	5.0	0.005	Gb
#4510	95.0 - 100.0	5.0	0.005	Gb
#4511	100.0 - 105.0	5.0	0.060	Gb
#4512	105.0 - 110.0	5.0	0.110 .098 0.085	Gb
#4513	110.0 - 114.7	4.7	0.025	Gb
#4514	114.7 - 117.0	2.3	0.165 0.165 .151 0.140 0.135	Qtz vn
#4515	117.0 - 121.0	4.0	0.010	Gb, 3% py
#4516	121.0 - 126.0	5.0	Nil	Gb, 3% py
#4517	126.0 - 131.0	5.0	0.002	Gb, 3% py
#4518	131.0 - 136.0	5.0	0.002	Gb
#4519	136.0 - 139.0	3.0	0.002	Gb, 2% py
#4520	139.0 - 146.0	7.0	0.002	Dacite
#4521	146.0 - 151.0	5.0	Nil	Dac, 2% py
#4522	151.0 - 156.0	5.0	Nil	Dac
#4538	156.0 - 161.0	5.0	Nil	Dac, 1% py
#4539	161.0 - 166.0	5.0	Nil	Dac
#4540	166.0 - 172.0	6.0	Nil	Dac
#4541	122.0 - 179.2	7.2	0.030	Gb

Continued

Neighbors Resources Inc.

DDH: 87-20

LIST OF SAMPLES

			oz/t Au	
#4542	180.7 - 183.0	2.3 ft.	Nil	Gabbro
#4543	185.2 - 185.5	0.3	Nil	Dacite, spaces
	186.5 - 187.3	0.8		
#4544	189.8 - 192.0	2.2		
	192.0 - 194.0	2.0	Nil	" "
	194.0 - 195.0	1.0		
#4545	195.0 - 200.0	5.0	0.005	Gabbro
#4546	200.0 - 205.0	5.0	0.002	"
#4547	205.0 - 210.0	5.0	Nil	"
#4548	210.0 - 215.0	5.0	0.015	Gb
#4549	215.0 - 220.0	5.0	0.015	Gb
#4550	220.0 - 225.0	5.0	0.040	
			0.040	Gb
#4551	225.0 - 230.0	5.0	0.020	Gb
#4552	230.0 - 235.0	5.0	0.025	Gb
#4561	235.0 - 240.0	5.0	0.002	Gb
#4562	240.0 - 245.0	5.0	0.002	Gb
#4563	245.0 - 250.0	5.0	0.002	Gb
#4564	250.0 - 255.0	5.0	0.010	Gb
			0.015	
#4565	265.0 - 270.0	5.0	Nil	Gb, 1% py
#4566	285.0 - 290.0	5.0	0.002	Gb
#4567	290.0 - 295.0	5.0	0.002	Gb, 1 % py
#4568	315.0 - 320.0	5.0	Nil	Gb
#4569	350.0 - 355.0	5.0	Nil	Gb

End

30.0 - 63.0	33.0 ft.	0.014
100.0 - 117.0	17.0	0.074
210.0 - 235.0	25.0	0.023

Diamond drill log

NEIGHBOURS RESOURCES INC

PROPERTY	: John Sirola Option	HOLE NO.	: 87-21
LOCATION	: Grenfell Twsp., 2½ mi. S 57°E from Sesekininika. NTS: 42 A/1, 'Kirkland Lake', Shaft: 605358	DIP	: -48°
		BEARING	: S 50°E
		LENGTH	: 143 ft.
CLAIM NO.	: 512579; from No.1 post, 741' S, 851' W	STARTED	: Nov. 28/87
LATITUDE	: 1+40' S (42.7 m)	COMPLETED	: Dec. 8/87
DEPARTURE	: 0+74' W (22.5 m)	LOGGED BY	: H. Dowhaluk
DRILLED BY:	Ferguson Mining Services	ZONE	: Shaft
MACHINE	: G-15 Winky: IAX core - 1-3/8"	LOGGED	: Dec. 11/87

****

0 - 3.0 : OVERBURDEN. Casing.

3.0 - 95.0 : GABBRO. Dk green, crse-grd, massive. Dissem grains of py (1%), graphite? on slips.

95.0- 143.0 : DACITE. Med gray, fine-grd to dense, siliceous, hard. Occasional qtz-carb lines or tiny veinlets. Occasional py on slips. Some cleavage at 30°, especially towards end.

END OF HOLE - 143 ft.

NEIGHBORS RESOURCES INC.

DDH: 87-21

LIST OF SAMPLES

			oz/t Au	
#4570	3.0 - 7.0	4.0 ft.	Nil	Gabbro, broken up
#4571	7.0 - 12.0	5.0	Nil	"
#4572	12.0 - 17.0	5.0	Nil	" , 1% py
#4573	17.0 - 22.0	5.0	Nil	"
#4574	22.0 - 26.0	4.0	Nil	"
#4575	26.0 - 31.0	5.0	Nil	"
#4576	31.0 - 36.0	5.0	Nil, nil	"
#4577	36.0 - 41.0	5.0	Nil	"
#4578	41.0 - 46.0	5.0	Nil	" , py 2%
#4579	46.0 - 51.0	5.0	0.002	" , py 1-2%
#4580	51.0 - 56.0	5.0	Nil	" , "
#4581	56.0 - 61.0	5.0	Nil	Gb "
#4582	61.0 - 66.0	5.0	Nil	"
#4583	66.0 - 71.0	5.0	0.002, 0.002	" 1-2% py
#4584	71.0 - 76.0	5.0	Nil	" "
#4585	76.0 - 81.0	5.0	Nil	" "
#4586	81.0 - 86.0	5.0	Nil	" "
#4587	86.0 - 91.0	5.0	Nil	" "
#4588	91.0 - 95.0	4.0	Nil	"
#4589	95.0 - 100.0	5.0	Nil	Dacite
#4590	100.0 - 106.0	6.0	Nil	" . clvge 45°
#4591	106.0 - 111.0	5.0	Nil	"
#4592	111.0 - 116.0	5.0	Nil	" Clvge 30°
#4593	116.0 - 121.0	5.0	Nil	"
#4594	121.0 - 126.0	5.0	Nil	"
#4595	126.0 - 134.0	8.0	Nil	"
#4596	134.0 - 140.0	6.0	Nil	" , schty 30°
#4597	140.0 - 143.0	3.0	Nil	" , 2% py

End

Diamond drill log

NEIGHBORS RESOURCES INC

PROPERTY	: John Sirola Option	HOLE NO.	: 87-22
LOCATION	: Grenfell Twsp., Ont. 2½ mi. S 57°E from Sesekinika, NTS: 42 A/1,'Kirkland Lake', Shaft: 605358	DIP	: -48°
		BEARING	: N 35°W
		LENGTH	: 158 ft.
CLAIM NO.	: 512579: from No. 1 post: 734' S, 857' W	STARTED	: Dec. 9, 1987
LATITUDE	: 1+33' S (40.5 m)	COMPLETED	: Dec. 14, 1987
DEPARTURE	: 0+84'W (25.6 m)	LOGGED BY	: H. Dowhaluk
DRILLED BY:	Ferguson Mining Services	ZONE	: Shaft
MACHINE	: G-15 Winky, core IAX - 1-3/8"	Logged	: Dec. 18, 1987

****

0 - 3.0 : OVERBURDEN. Casing.

3.0 - 158.0: GABBRO. Dk green w white speckling (plagioclase), med-grd, compact, massive, hard. 1-2% dissem py, also some py on slips. Tiny threads & veinlets of qtz-carb-ep. Much epidote in last half of hole. Ophitic texture towards end.

END OF HOLE - 158 ft.

NEIGHBORS RESOURCES INC

DDH: 87-22

LIST OF SAMPLES

			oz/t Au		
#81516	3.0 - 6.0	3.0 ft.	0.035	Gabbro	
#81517	6.0 - 11.0	5.0	0.025	"	
#81518	11.0 - 16.0	5.0	0.005	"	, 1% py
#81519	16.0 - 21,0	5.0	Nil	"	
#81520	21.0 - 26.0	5.0	0.002	"	1% py
#81521	26.0 - 31.0	5.0	0.040	"	
#81522	31.0 - 36.0	5.0	0.090, 0.090	"	
#81523	36.0 - 41.0	5.0	0.070	"	, 2% py
#81524	41.0 - 46.0	5.0	0.010	"	
#81566	46.0 - 56.0	10.0	0.005	Gb	, 1% py
#81567	56.0 - 66.0	10.0	0.015/0.025	"	
#81568	66.0 - 74.0	8.0	Nil	"	
#81569	74.0 - 81.0	7.0	Nil	"	
#81570	81.0 - 91.0	10.0	0.015	"	, much ep
#81571	91.0 - 101.0	10.0	0.002	"	"
#81572	101.0 - 111.0	10.0	0.060	"	, 1% py
#81573	111.0 - 121.0	10.0	0.002	"	"

3.0 - 41.0	38.0 ft.	0.033
26.0 - 41.0	15.0	0.067
3.0 - 111.0	108.0	0.022

SIROLA REPORTS

GRENFELL PROPERTY

A SUMMARY OF PRINCIPAL POINTS OF INTEREST

a. 5 VEINS OR GOLD-BEARING ZONES, 3 OF THEM UNDERGROUND

b. SHAFT, 2 COMPARTMENT, 265' WITH LEVELS AT 60', 150', 250'

c. LATERAL WORKINGS AT 60' AND 250'-LEVELS.

d. 7 GOOD DRILL HOLES.

e. AT THE SURFACE, GOLD IS IN FRACTURE-ZONES WITH COMMERCIAL VALUES ACROSS MINEABLE WIDTHS WHERE SAMPLING HAS BEEN FEASIBLE

f. GOOD VALUES & FREE GOLD ESTABLISHED (COMPANY REPORTS)

AT SURFACE (CONFIRMED BY OBSERVATION & CHECK SAMPLING)

AT 60-FT. LEVEL (COMPANY REPORTS)

AT 250- " " " "

AT 500 TO 600 FT HORIZON (COMPANY REPORTS)

g. WATER CLOSE AT HAND.

h. ACCESS - 2 MILES BUSH ROAD

i. ONT. GOVT GRANT FOR 25% OF EXPLORATION COSTS AVAILABLE TO NON-PRODUCING COMPANIES.

DIAMOND DRILL HOLES (GOLD CALCULATED AT $500/OZ)

D.H 4	$11.00	ACROSS	3.1'	AT	290'	DRILLED DOWNWARD FROM	250'-LEVEL
	$85.00	"	5.0'	"	290'	" "	" "
D.H. 9	$65.00	"	10.0'	"	265'	" "	" "
D.H. 14	$125.00	"	4.0'	"	670'	" "	SURFACE.
D.H. 16	0.41 oz.	"	3.0'	"	665'	" "	"

NOTE THAT D.H. 16 IS APPROX. 700' WEST OF SHAFT AREA.

CHANNEL SAMPLES

a. IN PIT AT 9' DEPTH, 2 CHANNELS, 3.9' APART ACROSS MAIN VEIN

CHANNEL 1 0.190 OZ./TON @ $500/OZ. = $95.00/TON ACROSS 4.08'

" 2 2.71 OZ/TON @ $500/OZ. $1355/TON " 5.25'

b. CHANNEL AT S.W. END OF VEIN 26 OZ. ACROSS 4'. (COMPANY ASSAY PLAN)

USING REASONABLE ASSUMPTIONS, A POTENTIAL EXISTS FOR A VALUE OF $0.27 MILLION (AT $500/OZ) TO THE 60-FT. LEVEL ALONE ON THE MAIN VEIN. BELOW THAT, THE DEPOSIT IS UNEXPLORED EXCEPT ON THE 250-FT LEVEL WHERE AGAIN, GOOD VALUES WERE ENCOUNTERED BUT LAST OF THOSE ABOVE. LOCAL MILLS WITHIN LESS THAN 100 MILES CAN HANDLE THE ORE WHICH IS FREE MILLING.

TWO 1-TON SHIPMENTS FROM THE PROPERTY BY LESSEES IN THE 1930'S ASSAYED 100Z/TON AND 17 OZ. [illegible]

REDNECK PROGRAM.

ASSAY RESULTS RECORD

SAMPLE No.	DESCRIPTION	AU. OZ/T.	AU. $ @ $400.00/OZ	@ 500/$
330	SHEA VEIN. GRAB OF QTZ IN SHATTERED THOL. BASALT PYRITE IN SEAMS IN BASALT - SAMPLE OF BULL QTZ WESTERN MOST PIT	0.013	$5.20	$6.50
331	SHEA VEIN - GRAB OF QTZ FROM EASTERN MOST PIT FINE-GR VOLC. HOST ROCK. PYRITE IN QTZ.	0.028	11.20	$14.00
332	OPEN PIT, 4' CHIP SAMPLE ACROSS WEST END OF PIT (STANDING ON MUCK)	0.027	10.80	$13.50
333	OPEN PIT, CHIP SAMPLE ALONG 15' OF NORTH WALL OF PIT, STARTING FROM WEST END, STAND'G ON MUCK	0.104	41.60	$52.00
334	EAST END OF OPEN PIT. 2" OF QTZ STR. & SCHIST TAKEN IN THE FAULT.	0.572	228.80	$286.
335	QTZ STRINGERS IN PIT ~ 200' SW OF SHAFT QTZ, CALC, PY, CP, IN F.GR. VOLCS.	0.007	2.80	$3.50
336	OPEN PIT, 25" CHIP SAMPLE IN N. END OF TRENCH IN MUCK IN BOTTOM OF PIT. MAINLY ROCK, A FEW QTZ STR.S	0.15	60.00	$75.00
337	OPEN PIT, 20" CHIP SAMPLE IN CENTRE PORTION OF TR. IN MUCK & ADJOINING S. END OF S 336. F.GR. ROCK WITH A FEW QTZ. STRS.	TR.	TR.	
338	OPEN PIT, 16" CHIP SAMPLE IN TR. IN MUCK ACROSS BOTTOM OF OPEN PIT. ADJOINS S. END OF S 337., BARREN F GR ROCK.	TR.	TR.	
339	OPEN PIT, 14" CHIP SAMPLE IN QTZ STR.S & SIL. ROCK IN W. FACE ROCK IS THOL. BASALT.	0.09	$36.00	$45.
340	FINES FROM BOTTOM OF TR. IN MUCK ON BOTTOM OF OPEN PIT (ON N., SUMP, END OF TRENCH	0.34	$136.00	$170.
341	QTZ VEIN ~ 2" WIDE ON N. SIDE OF PIT AT LADDER	0.13	$52.00	

SAMPLE NO	DESCRIPTION	AU. oz/T	AU. $/TON @ 400. oz.
342	QTZ STR'S TRENDING SE. FROM FAULT AT LOCATION OF VIS. GOLD, 12' FR. E. END END OF AT. AT LADDER WIDTH = 1.5" (12' W. OF E. END OF PIT & 3' ABOVE W. WATER	0.34	$136.00 $170
343	DUMP SAMPLE - BEST LOOKING MATERIAL IN TERMS OF SULPHIDES & SILICA OR QTZ FR. W. DUMP.	0.04	$ 16.00 $ 20.
344	PIECES FR. QTZ VEIN ON S. WALL OF OPEN PIT. VEIN FOLLOWS THE FAULT - WIDTH ~ 4"	0.74	$296.00 $ 37
324	GRAB FR. PIT DUMP. QTZ IN THOL. BASALT & BRECCIA SOME CHALCO & PYRITE	0.639	255.60 $319.
325	GRAB FROM ROCK TRENCH 300' NW OF SHAFT & 100' W. OF ROAD, SUGARY QTZ & PYRITE	.003	$ 1.20 $ 1.50

GOLD OCCURRENCES CTD.

OPEN PIT - LESSEES OBSERVED SPECTACULAR GOLD IN QUARTZ STRINGERS ON THE NORTH SIDE OF THE OPEN PIT AND MADE THE SHIPMENTS MENTIONED EARLIER. SAMPLING BY THE WRITER SHOWED WIDELY DISTRIBUTED GOLD IN THE PIT WALLS AND VISIBLE GOLD WHERE THE PIT EXPOSES THE MAIN VEIN ZONE. PLEASE REFER TO THE ATTACHED ASSAY PLAN

SHEA VEIN - A VEIN OF WHITE QUARTZ 1 TO 2 FEET WIDE STRIKING 111° AZIMUTH AND DIPPING 65° N.E. IS EXPOSED BY TRENCHES AND PITS OVER A LENGTH OF 165 FEET. THE LOCATION IS 725 FEET SOUTHWEST OF THE SHAFT. TWO GRAB SAMPLES ASSAYED 0.013 AND 0.028 OUNCES PER TON IN GOLD BUT RELIABLE SOURCES REPORT THAT FREE GOLD HAS BEEN FOUND IN THE QUARTZ.

UNDERGROUND - AN INDEPENDENT OBSERVER REPORTED SEEING 40 POWDER BOXES OF HIGH GRADE GOLD ORE TAKEN FROM UNDERGROUND AT THIS PROPERTY, PRESUMMABLY FROM THE 60-FOOT LEVEL

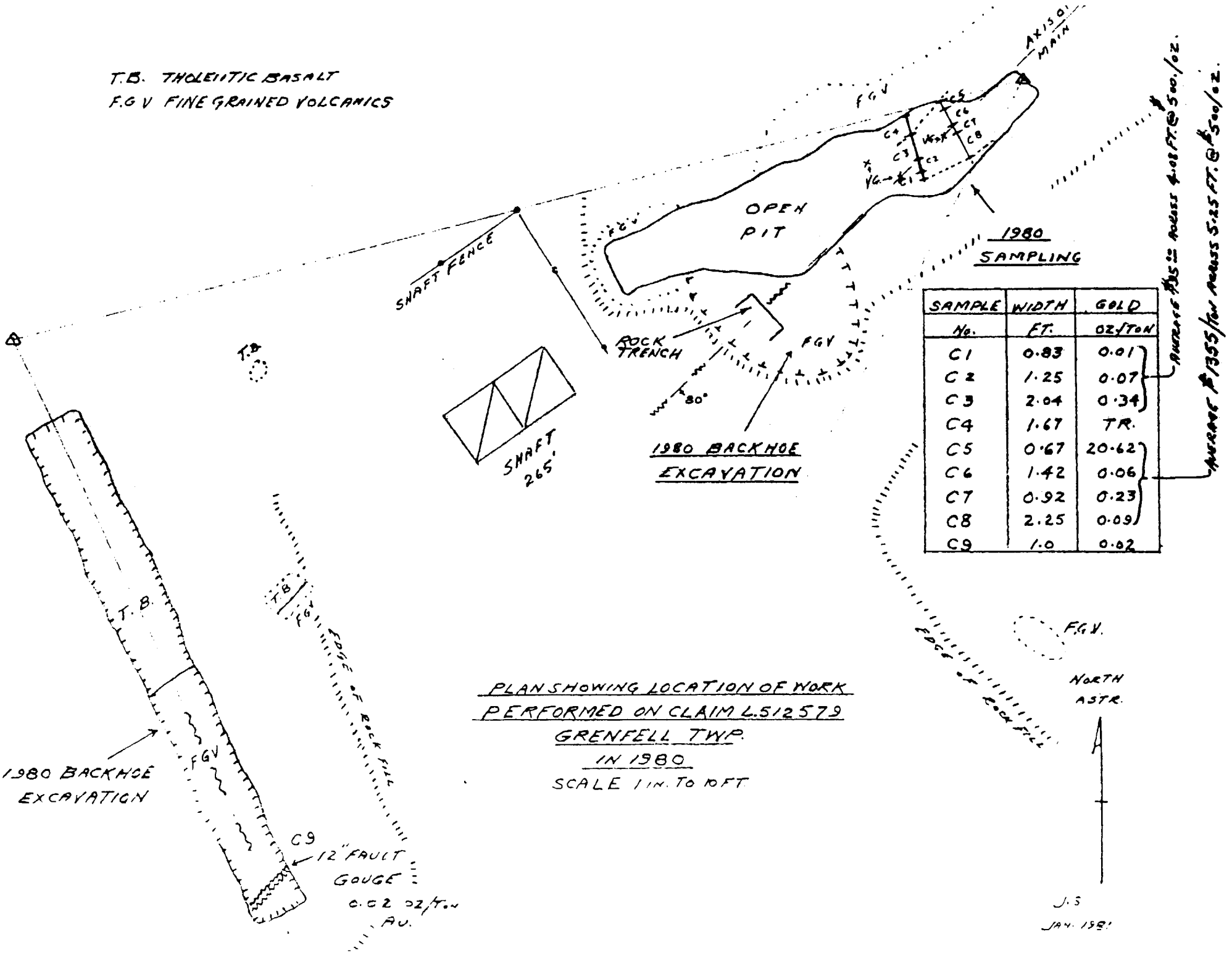
ANOTHER OBSERVER REPORTED A VERY HIGH GRADE AREA ON THE 250-FOOT LEVEL OF THE MINE.

A LOCAL RESIDENT FAMILIAR WITH THE PROPERTY STATES THAT GOOD GOLD VALUES WERE INTERSECTED IN TWO DRILL HOLES NORTHWEST OF THE SHAFT.

GEOLOGY - THE PROPERTY IS UNDERLAIN BY ROCKS OF THE KENOJEVIS GROUP AND CONSIST OF GABBROIC AND FINE-GRAINED FLOWS SOME OF WHICH ARE PORPHYRITIC, AS WELL AS DIKES AND SILLS OF DIORITE AND DIABASE. THE REGIONAL TREND IS NORTHWESTERLY AND THE ROCKS DIP STEEPLY. THE MAIN SHOWING IS AT THE SOUTHERN MARGIN OF A LARGE MASS OF THOLEITIC BASALT INTERFACING WITH A FINE-GRAINED GREENISH LAVA. THE MAIN VEIN OCCUPIES A NORTHEASTERLY TRENDING FAULT ZO WHICH DIPS SOUTHEASTERLY AT 79°. THE SHEA VEIN OCCUPIES A ZONE WHICH EXTENDS INTO THOLEIITIC BASALT ON THE WEST AND FINE-GR FLOWS ON THE EAST.

FURTHER INFORMATION MAY BE OBTAINED FROM
JOHN SIROCA, R.R.1 COBALT, ONT. P0J 1C0
PHONES (705) 679-8182

T.B. THOLEIITIC BASALT
F.G.V FINE GRAINED VOLCANICS



SAMPLE No.	WIDTH FT.	GOLD oz/TON
C1	0.83	0.01
C2	1.25	0.07
C3	2.04	0.34
C4	1.67	TR.
C5	0.67	20.62
C6	1.42	0.06
C7	0.92	0.23
C8	2.25	0.09
C9	1.0	0.02

AVERAGE OF 4.08 FT. @ $500/oz.

AVERAGE OF 3.55 FT. @ $500/oz.

PLAN SHOWING LOCATION OF WORK PERFORMED ON CLAIM L.512579 GRENFELL TWP. IN 1980

SCALE 1 IN. TO 10 FT.

J.S
JAN. 1981

December 19th, 1941.

Sample No. 3 - typical sample of tungsten appearing ore

Tungsten Trioxide	$19.88	0.7%

Sample No. 4 - Representative sample cut from bin of 3½ tons of material obtained from the open cut at a depth of 28 feet over a width of 6 feet -

Gold - $84.70 (2.42 oz) width 6 feet

Sample No. 5 - Representative sample of typical material mined at 60 foot level in stoop - average width 10 feet

Gold - $24.50 (0.7 oz)

Considerable work has been done and good values in gold have been found on No. 1 Vein and also on shaft vein, channel samples from which show the following :

Number 1 vein.

The following is a list of channel samples from the Number One Vein from west to east along the east drift on the 250 foot level.

Taken at intervals of approximately five feet over a length of one hundred and eighty feet. Gold at $35.00 an ounce:

12 inches,	vein	$29.07
12	"	259.92
12	"	47.49
22	"	2.03
14	"	5.58
14	"	4.56
20	"	1.01
8	"	7.27
10	"	3.55
14	"	5.58
18	"	2.37
18	"	1.01
36	"	10.82
12	"	8.79
21	"	42.25
12	"	2.70
12	"	2.70
18	"	6.93

December 19th, 1941.

8	inches,	vein	$116.95
8	"	"	8.79
18		"	1.35
20		"	2.70
20		"	11.15
12		"	29.74
14		"	6.25
28		"	10.48
14		"	1.69
14		"	.68
12		"	8.11
8		"	13.69
9		"	4.90
12		"	1.35

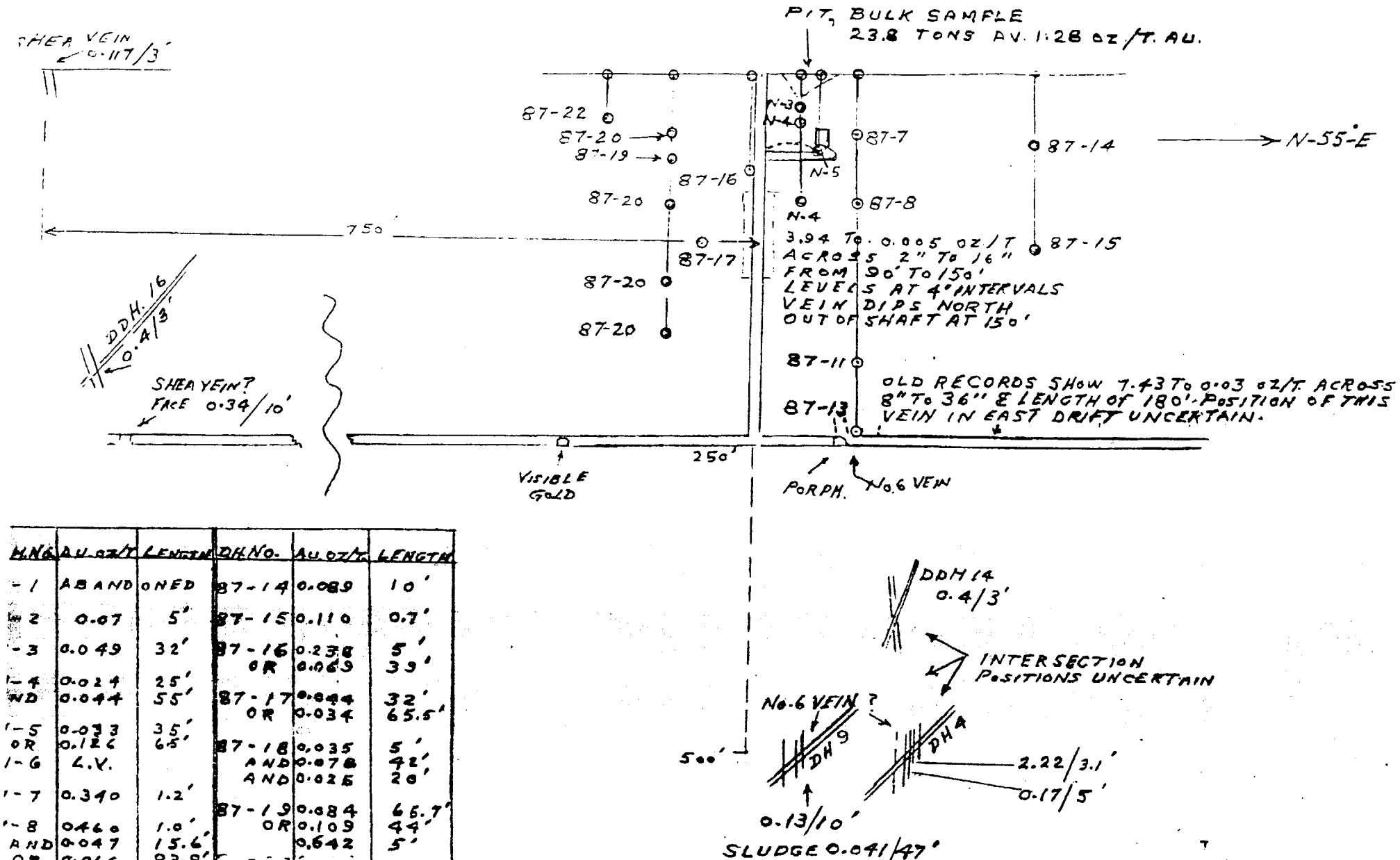
SHAFT VEIN.

A Quartz Vein appears in the shaft at approximately ninety feet and continues in the shaft to the station at the 150 foot level. This vein strikes east and west and dips at a very steep angle to the north, and occurs in the Gabbro, north of the Basalt contact. It is possible that this vein may be the downward extension of a large Quartz stringer contained in the Sirola Vein, as material from this vein is similar to that of the Sirola orebody.

Values.

The following is a list of channel sample values down the shaft on this vein. Intervals of approximately four feet from ninety feet horizon down to one hundred and fifty

3	inches,	vein	$24.18	@ $35.00 gold
10		"	2.03	
8		"	138.07	
8		"	67.43	
16		"	6.25	
Grab		"	16.39	
7		"	47.49	
2		"	.17	
14		"	.68	
6		"	9.80	
10		"	1.69	
16		"	2.70	
14		"	6.25	
12		"	28.22	
8		"	22.98	
2		"	28.56	



HOLE	AU oz/T	LENGTH	DH No.	AU oz/T.	LENGTH
1	ABANDONED		87-14	0.089	10'
2	0.07	5'	87-15	0.110	0.7'
3	0.049	32'	87-16	0.238	5'
			OR	0.069	39'
4	0.024	25'			
AND	0.044	55'	87-17	0.044	32'
			OR	0.034	65.5'
5	0.033	35'			
OR	0.126	6.5'	87-18	0.035	5'
6	L.V.		AND	0.078	42'
			AND	0.025	20'
7	0.340	1.2'			
8	0.460	1.0'	87-19	0.084	66.7'
AND	0.047	15.6'	OR	0.109	44'
OR	0.016	83.8'		0.642	5'
			87-20	0.014	33'
9	LV		AND	0.074	17'
			AND	0.023	25'
10	L.V.		AND	0.030	7.2'
			87-21	L.V.	
11	0.300	0.8'			
			87-22	0.033	38'
12	L.V.		OR	0.067	15.1'
			OR	0.022	108'
13	0.095	2.2'			

LV = LOW VALUES

VISIBLE GOLD IN DH's 87-18 87-22

SIROLA
GRENFELL GOLD PROPERTY
GENERALIZED LONGITUDINAL SECTION
SCALE 1" = 100'

- GOLD OCCURRENCE
- PORPHYRY DIKE
- VOLCANICS

DURHAM REPORTS

MEMO To: Tom O.
From: Bruce Durham
RE: **OJ IP survey results Grenfell Twp. Sirola Property**
DATE: OCTOBER 29/95

L 6W
Shallow dipping? zone on contact or associated with high res zone. If real, zone would be at 75-115S
L 4 W
Zone at 225-175 S Modereate res zone on the south side of res high.
L3 W
Weak IP response at 125-150 S res low conductive? very discrete feature.
75S to 20N Broad zone fair pantleg with Res high >10K Ip up to 25 mv but is likely not sulfide related.
L 2W
IP zzone may be located at 80S to 25N or may be 30S to 25N if high values actually represent pantleg effect.
Anomaly appears to sit near or on south edge of res high.
Zone at 4-5N largely res feature but north edge of elevated values sit in res low - 475N May be shear or graphitic seds.
L1W
0-70N Fair IP response part of which is associated with res high (north end). If there is sulfide, it is likely at 25-50N There is a direct mag correlation with this anomaly.
475-500N weak zone on contact may not be a sulfide related feature.
L 0
Broad zone to the south 3S-1S high res feature that may contain a real IP feature at 350S There may be a narrow conductor located at 75 S
0-175N high res - gabbro mag high Possible real - narrow feature @ 50N
A zone at 725-775 N looks like a res high related feature.
L1E
Very different - looks lik a deep pocket of conductive overburden over most of the area from 100S to 300N.
L2E
No comverage to south.
Classic broad anomaly 110-200N Good pantlegs May actually be several discrete zones.
Anomaly sits in strong double mag feature.
L3E
25-50S Subtle anomaly sitting on North sideof res high - May be narrow zone on contact of gabbro.
125-250N Strong consistent res high feature From 180-230 one or more IP features up to 40mv - double background values and much hight than further norh where background drops to 5-6 range. Anomaly has direct mag correlation
L4E
No data
L5E
1N-350N numerous zones associated with moderate resistivity.
Zones are likely located at 100-125N - south dip? Mod res.
140-170 Mod res.

180-220 on south contact of res high
315-330N on contact or shear in gabbro Direct strong mag correlation Po?

L6E
No data

L7E
375-325S
Zone assoc with high res but not consistent - ther may be a real IP feature at 340-360S shallow ov.
Weak fleture at 225S
High background0-175N (high res) then low res perhaps due to deep ov pocket.
Zone 500-575N likely at least two zones res is greater than 1000 but generally less than 5000 - high res starts at 660Nand has coincident mag response - may be Po?
L9E Zone 100-150N classic anomaly - near vertical and located at a geological boundary.
550-625N Broad zone of mod-low res with high charg. up to 60mv may be conductive - located at or close to south contact of a broad zone of gabbro.
700-800N broad zone of IP response There may be a small real IP feature but the feature islargely due to high res

L10E
200-225N - same feature as located on L12E Adjacent to south side of res high but in mod-low res area Mag feature in vicinity is likely mainly due to presence of diabase
700-925N Broad zone containing at least two separate features- sout one is mod-low res feature with high IP response -very good target. No mag correlation.
800-925N Norht side id most chargeable - up to 40 mv.
Anomaly may be centered at 850-880N Zone my be broad ie. greater than 25m or may be two parallel zones May also be only related to high res.

L11E No data

L12E
Well defined IP response on south side of high res unit from 460-780N Anomaly appears to sit on contact but in low resistivity area and centered near 435N
While res is mod, more high res is located sout of 325N No mag correlation

HOLE NO. JS-95-1 | Pg 1

DRILLING COMPANY	COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
FORAGE M. LAFRENIERE	N.S.	130° AZ	410'	COLLAR	-45°	L018 W ST.019 N *Note in metres (Surface grid)		512579
DATE HOLE STARTED: Oct.17/95 — DATE COMPLETED: Oct.18/95	DATE LOGGED: 10/18/95	LOGGED BY: J. K. Filo		(M) 410 Ft.	-46°		LOCATION (Tp., Lot, Con. OR Lot. and Long.): Grenfell Twp.	
EXPLORATION CO. OWNER OR OPTIONEE: Otis J. Exploration	DATE SUBMITTED: [illegible] 1995	SUBMITTED BY SIGNATURE		(M)			PROPERTY NAME: John Sirola Property	
				(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + ppm Cu	Zn	Ag	Co	Ni
0	4	CASING												
4	123.5	GABBRO	-overall unit is a grey black color; it is composed of ferro-magnesium minerals (pyroxene) mainly with some interstitial plagioclase, in some instances the unit approaches pyroxenite compositionally											
			-unit is generally coarse grained with sub-hedral crystals											
			-unit appears very competent with minimal fracturing overall, however some quartz/carb stringers, epidote stringers & minor felsic (pink) stringers noted, also epidote patches											
			-unit contains variable amounts of magnetite, also locally fine disseminated pyrite											
			-94 - 20', as per description @ start of unit above, fracture orientation 40° to C.A., generally epidote on fracture planes, also numerous	2901	4	7	3	4500	81					
				2902	7	10	3	4600	51					
				2903	10	15	5	4000	43					

42A01NE0247 2.17139 GRENFELL

2.17139

RECEIVED
MAR 10 1997
MINING LANDS SECTION

HOLE NO. J-95-1 | Pg 2

DRILLING COMPANY	COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED / DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			LOCATION (Tp., Lot, Con. OR Lat. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE	DATE SUBMITTED	SUBMITTED BY SIGNATURE		(M) (M) (M)			PROPERTY NAME	

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	Cu	Zn	Ag	Co	Ni
			epidote clots, locally											
			-at 10.75 feet epidote stringer, 20° to C.A.	2904	15	20	5	4600	17					
			-at 15.00 feet quartz/calcite stringer 70° to C.A.	2905	20	25	5	4400	1056					
			-at 16 feet pink felsic stringer 20° to C.A. with	2906	25	30	5	1500	10					
			cross cutting pyrite stringer 80° to C.A.	2907	30	35	5	4400	470					
			-at 20 feet fracture, 45° to C.A.	2908	35	40	5	3900	994					
			-overall this section of core extremely magnetic,											
			but contains minimal pyrite (trace)											
			-@ 20' - 40', as per original description @ start											
			of unit											
			-minor fault with slickenslides @ 20.3', 45° to											
			C.A.											
			-fracture at 21.75, 45° to C.A., reddish oxidized											
			metallic mineral											
			-at 26 - 27 minor quartz/carb stringer 45° to C.A.											
			& at 26.5 felsic stringer 20° to C.A., quartz/											
			carb stringer later as it cuts felsix stringer,											
			epidote with stringer											

-epidote stringers in this interval generally 45° to C.A., but a few parallel to C.A.

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			PROPERTY NAME	
			SUBMITTED BY SIGNATURE		(M)				
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + ppm Cu	Zn	Ag	Co	Ni
			-pink felsic stringer again @ 33', oriented at 15-20° to C.A.											
			-minor fault @34' @ 030° to C.A.											
			-at 34.5-35.5 pervasive epidote alteration											
			-at 39.5 blocky broken ground, possible fault											
			-once again, overall this interval strongly magnetic, minimal pyrite (trace)											
			-@40-60' generally as per original description for this unit, fracture orientations 40-45°, epidote stringers 15-20° & 40-45°, no significant stringers or quartz/carb from 40-50'	2909	40	45	5	1900	12					
				2910	45	50	5	2200	Nil					
				2911	50	55	5	3300	926					
				2912	55	60	5	100	147					
			-at 50' distinct change, distinct increase in veining (still <5%), but also clots now and a more smoky grey quartz noted & white quartz/carb veinlets											
			-note, grey smoky veins @ 85-90° to C.A., quartz/carb 40-60° to C.A., epidote stringers 20-45° to C.A.											

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	HOLE NO. JS-95-1	Pg 4
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			MAP REFERENCE NO.	CLAIM NO.
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
			SUBMITTED BY SIGNATURE		(M)				
					(M)			PROPERTY NAME	

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + Cu	Zn	Ag ppm	Co	Ni
			-this interval still reasonably magnetic, however from 50-60 slightly more feldspar rich, also epidote patches locally 0.5'											
			-still minor pyrite & rare splash of pyrite (clot), drop in magnetite content at 55-60'											
			-also unusual slightly finer grained phase with light purple phenocrysts?? @ 58'											
			-@ 60-80 unit as per original description for this unit except somewhat more enriched in plagioclase also variable amounts of magnetite in unit, thus some sections much more magnetic than others	2913	60	65	5	60	115					
				2914	65	70	5	50	43					
				2915	70	75	5	50	804					
			-some grey black veinlets & white quartz/carb veinlets (≤ 3%), fractures oriented 50° to C.A., epidote stringers 20 & 45° to C.A.	2916	75	80	5	50	149					
			-white quartz/carb stringers 45-50° to C.A. & grey smoky stringers											

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	HOLE NO. JS-95-1	Pg 5
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			MAP REFERENCE NO.	CLAIM NO.
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
			SUBMITTED BY SIGNATURE		(M)			PROPERTY NAME	
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE OR LENGTH	MS	Au ppb	ASSAYS + ppm Cu	Zn	Ag	Co	Ni
			-this interval contains a few feet of pervasively											
			altered (epidote alt.) gabbro from 77-80'											
			-sulphide (pyrite) is present, but very sparse											
			<1% overall											
			-@80-100' interval as per original description for											
			this unit, still somewhat more plagioclase than											
			original section described, still coarse grained											
			-random sections of magnetite rich zones and											
			basically non-magnetic sections in this interval,											
			note, where mode epidote alteration less											
			magnetite											
			-still two vein types (stringers present) white											
			quartz/carb & smoky grey quartz, oriented at											
			70° to C.A. & 45° to C.A. respectively in this											
			interval, veining still < 3% overall											
			-fractures 45° to 70° to C.A., and slight increase											

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			PROPERTY NAME	
			SUBMITTED BY SIGNATURE		(M)				
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + ppm Cu	Zn	Ag	Co	Ni
			in fracture density	2917	80	85	5	100	130					
			-epidote stringers @40-45° to C.A., in this	2918	85	90	5	150	105					
			interval, sometimes parallel and associated with	2919	90	95	5	90	142					
			stringers and veinlets of quartz & quartz/carb	2920	95	100	5	700	410					
			-still local sections of 0.5-0.75' intervals of											
			heavily epidote altered gabbro in interval noted											
			also											
			-still some local fine pyrite present											
			-@ 100-123.5, this interval still as per original	2921	100	105	5	55	4766					
			description, however once again there is more	2922	105	110	5	35	3771					
			plagioclase in this interval than in original	2923	110	115	5	65	638					
			description perhaps 10-15%	2924	115	120	5	100	2098					
			-grey/black quartz and white quartz/carb	2925	120	123.5	3.5		1474					
			stringers still present 2-3% of unit together											
			orientated 45-90° to C.A. & 30-70° to C.A.											
			respectively											
			-note at start of interval from 100-103.25											

HOLE NO. JS-95-1	Pg 7

DRILLING COMPANY	COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED / DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)		LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE	DATE SUBMITTED	SUBMITTED BY SIGNATURE		(M) (M) (M)		PROPERTY NAME	

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	Cu	Zn	Ag (ppm)	Co	Ni
			fracture with lots of epidote, fracture parallels											
			C.A., some quartz/carb associated with fracture											
			-minor fault @ 114', 15° to C.A. with slickenslides											
			-@ 115.5 veinlet of white quartz carb 3-4% pyrite											
			-overall fractures in this interval range from											
			45-60° to C.A.											
			-once again, variable amounts of magnetite											
			throughout interval											
			-note, last 3.5 of unit mottled & slightly finer											
			grained, more clots & veinlets of quartz/carb &											
			still some smoky grey quartz stringers also											
			sharp lower contact at 45° to C.A., quartz carb											
			vein of contact 1/4" wide											

DRILLING COMPANY			COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH		TOTAL		DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM														
DATE HOLE STARTED	DATE COMPLETED		DATE LOGGED	LOGGED BY				(M)																
EXPLORATION CO. OWNER OR OPTIONEE			DATE SUBMITTED					(M)																
				SUBMITTED BY SIGNATURE				(M)																
								(M)																
FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.							NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + ppm Cu	Zn	Ag	Co	Ni				
123.5	146.5	FINE GRAINED	-fine grained sugary textured unit, pinkish/grey							2926	123.5	127	3.5	25	41									
		FELSIC	unit (hematitic alteration?) proximal to gabbro							2927	127	130	3.0	30	21									
		INTRUSIVE? or	contact, becomes somewhat less hematitic towards							2928	130	135	5.0	8	41									
		VOLCANIC TUFF?	lower fault zone, 10-15% disseminated pyrite							2929	135	140	5.0	10	22									
			throughout unit, tiny subhedral black pheno's							2930	140	144	4.0	5	17									
			noted							2931	144	146.5	2.5	4	38									
			-very massive looking unit, some minor tiny quartz							2932	146.5	150	3.5	5	9									
			stringers & fractures, oriented 30-70° to C.A.							2933	150	155	5.0	15	7									
			(quartz) & fractures similarly oriented							2934	155	160	5.0	18	3									
										2935	160	164.5	4.5	12	Nil									
146.5	164.5	FAULT ZONE	-broken blocky zone, light grey colored unit with																					
			Fe carbonate, weathered pyrite																					
			-this unit is an oxidized broken up version of																					
			the unit just described above, fractures @45° to																					
			C.A. & slips close to parallel to C.A.																					
			-sharp lower contact 45° to C.A.																					

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DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY SIGNATURE		(M)			PROPERTY NAME	

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + Cu	Zn	Ag ppm	Co	Ni
164.5	278'	Gabbro	-coarse grained grey black gabbro composed	2936	164.5	168.3	3.8	3	213					
			principally of ferro-magnesium minerals	2937	168.3	170	1.7	3000	278					
			(pyroxenes) & plagioclase	2938	170	175	5.0	1500	187					
			-fairly competent unit, some fracturing	2939	175	180	5.0	1000	134					
			-fractures often infilled by epidote or white quartz carb stringers, and or, grey black smoky quartz stringers											
			-@ 164.5 - 180 as per description above @ 164.5 (start)											
			-this interval contains more disseminated pyrite & fine stringer pyrite than last gabbroic unit, estimate 1-3% pyrite overall											
			-quartz/carb veins & grey black quartz veins also white quartz clots, some larger veins also @ 164.5-168.3, upper contact 45° to C.A., lower 15° to C.A. on large vein											
			-other veins white quartz/carb 70° to C.A., 60° to C.A. for smoky black quartz stringers, rare pyrite str. 20 to 45° to C.A.											

DRILLING COMPANY	COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.	HOLE NO. JS-95-1		Pg 10	
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY	(M)			LOCATION (Tp., Lot, Con. OR Lat. and Long.)					
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY SIGNATURE	(M)			PROPERTY NAME					
				(M)								
				(M)								

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + Cu	Zn	Ag ppm	Co	Ni
			-some epidote stringers present in this interval	2940	180	185	5	4000	1308					
			ranging from 30-50° to C.A.	2941	185	190	5	3900	1198					
			-fractures noted also & orientation @70° to C.A.,	2942	190	195	5	1100	879					
			other fault fractures in this interval minimal	2943	195	200	5	55	94					
			-the majority of this interval considered to have											
			a strong magnetic response											
			-@ 180-200; basically as per description @ 164.5,											
			some rare slightly finer grained sections											
			-this section contains, epidote stringers, minor											
			local patchy epidote around fractures											
			-epidote stringers 20 & 45° to C.A.											
			-quartz/carb (white)stringers noted & grey black											
			smoky quartz stringers, combined they make up 3%											
			of interval maximum, white stringers oriented 70°											
			& smoky black quartz 70-80° to C.A.											
			-pyrite in veins in this interval & locally											
			disseminated as well, overall 3-4% maximum											

HOLE NO. J-95-1 | Pg 11

DRILLING COMPANY | COLLAR ELEVATION | BEARING OF HOLE FROM TRUE NORTH | TOTAL | DIP OF HOLE AT COLLAR (M) (M) (M) (M) | LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM | MAP REFERENCE NO. | CLAIM NO.

DATE HOLE STARTED | DATE COMPLETED | DATE LOGGED | LOGGED BY | LOCATION (Tp., Lot, Con. OR Lat. and Long.)

EXPLORATION CO. OWNER OR OPTIONEE | DATE SUBMITTED | SUBMITTED BY SIGNATURE | PROPERTY NAME

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + ppm Cu	Zn	Ag	Co	Ni
			-local speck of chalcopyrite in veins as well(rare)	2944	200	205	5	1500	214					
			-fracture density,where fractures not infilled	2945	205	210	5	2000	41					
			minimal, fairly competent unit fractures generally	2946	210	215	5	1800	178					
			oriented 60° to C.A. & at 45° to C.A.	2947	215	220	5	4800	9					
			-minor slip @191 at 15° to C.A.	2948	220	225	5	4000	31					
				2949	225	230	5	2500	94					
			-@200-240, as per original description starting	2950	230	235	5	3100	225					
			@164.5 feet *	2851	235	240	5	4000	24					
			-extremely minimal amount of epidote stringers,	2852	240	245	5	3000	7					
			local minor epidote splashes, rare to non-existant											
			white quartz carb stringers (70° to C.A. where											
			present), no smoky black quartz stringers											
			-rare occasional pyrite (trace)											
			-unit coarse grained in this interval											
			-fractures minimal competent unit, where present											
			fractures generally 45° to C.A.											
			-fairly magnetic interval											

DRILLING COMPANY			COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH		TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM															
DATE HOLE STARTED	DATE COMPLETED		DATE LOGGED	LOGGED BY			(M)																		
EXPLORATION CO. OWNER OR OPTIONEE			DATE SUBMITTED				(M)																		
				SUBMITTED BY SIGNATURE			(M)																		
							(M)																		
FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.						NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + ppm Cu	Zn	Ag	Co	Ni						
			@240-278, still gabbro & generally the same as						2853	245	250	5	40	2											
			description at start at 164.5 foot but becomes						2854	250	255	5	46	Nil											
			slightly finer grained in appearance @245 as						2855	255	260	5	30	14											
			contact approached						2856	260	265	5	1500	12											
			-this interval has substantial quartz/calcite						2857	265	270	5	65	5											
			stringers & local stockworks (250-252 feet)						2858	270	275	5	40	7											
			-some epidote stringers present (fairly substantial						2859	275	278	3	40	17											
			amount) at various orientations, but two principal																						
			orientations 20° to C.A. & 45° to C.A.																						
			-principal orientation of quartz/carb stringers																						
			45° to C.A. & 70° to C.A.																						
			-some leucoxene noted @250'																						
			-blocky zone, possible fault @ 248.7-249.7 ft.																						
			-locally unit contains fine disseminated pyrite,																						
			1-2% of unit maximum																						
			-fault with slickenslides @265' (minor) 15° to C.A.																						
			-good sharp lower contact @ 45° to C.A.																						

															LE NO. JS-95-1									Pg 13
DRILLING COMPANY			COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH		TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM			MAP REFERENCE NO.		CLAIM NO.									
DATE HOLE STARTED	DATE COMPLETED		DATE LOGGED	LOGGED BY			(M)					LOCATION (Tp., Lot, Con. OR Lot. and Long.)											
EXPLORATION CO. OWNER OR OPTIONEE			DATE SUBMITTED				(M)					PROPERTY NAME											
				SUBMITTED BY SIGNATURE			(M)																	
							(M)																	
FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.						NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + Cu	Zn	ppm Ag	Co	Ni					
278	410	MAFIC VOLCANIC	-very fine grained to aphanitic grey to grey						2860	278	280	2	60	3										
		(Andesite?)	black, massive to locally foliated mafic volcanic						2861	280	285	5	30	17										
			(andesite) unit						2862	285	290	5	45	2										
			-proximal to upper contact significant quartz/						2863	290	295	5	35	Nil										
			calcite stringers, clots & veinlets at 15-20° to						2864	295	300	5	28	Nil										
			C.A.						2865	300	305	5	36	Nil										
			-@278-310, interval as per description above						2866	305	310	5	25	3										
			-at 285-300 fairly blocky & broken up, numerous						2867	310	315	5	35	Nil										
			fractures generally 30 to 45° to C.A.																					
			-some extremely rare quartz/carb veinlets/																					
			stringers & very local minor pyrite TR-1% maximum,																					
			overall, slightly more pyrite @305-310'																					
			-some foliation noted @ 305' at 40° to C.A., note																					
			@283.5 minor fault 5-10° to C.A.																					
			-unit is non-magnetic																					

HOLE NO. J-95-1 | Pg 14

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY SIGNATURE		(M)			PROPERTY NAME	
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE OR LENGTH	MS	Au ppb	ASSAYS + Cu	Zn	Ag ppm	Co	Ni
			@310-350 interval, still basically massive	2868	315	320	5	38	Nil					
			volcanics as per description at start of volcanics	2869	320	325	5	30	Nil					
			-once again little to non-existant veining, a few	2870	325	330	5	39	9					
			tiny quartz/carb stringers	2871	330	335	5	21	Nil					
			-from 310 to 325 fine diss. & stringer sulphide	2872	335	340	5	41	Nil					
			(pyrite) locally, overall 1-2% maximum	2873	340	345	5	19	Nil					
			-fractures in this interval generally 45° to C.A.,	2874	345	350	5	36	5					
			small broken blocky zone (possible fault)@											
			326-327 feet oriented 70° to C.A.											
			-at 330 & 333 minor fault at 45 & 15° to C.A.											
			respectively											
			-minor bleaching 339-341											
			-at 336.3 folsic stringer associated with fracture											
			60° to C.A.											
			-@ 350-390	2875	350	355	5	35	7					
			-this interval very much as per initial description	2876	355	360	5	30	Nil					
			light grey color, very rare	2877	360	365	5	25	Nil					

					HOLE NO. J-95-1	Pg 15
DRILLING COMPANY	COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR / (M) / (M) / (M) / (M)	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO. / CLAIM NO.
DATE HOLE STARTED / DATE COMPLETED	DATE LOGGED	LOGGED BY				LOCATION (Tp., Lot, Con. OR Lat. and Long.)
EXPLORATION CO. OWNER OR OPTIONEE	DATE SUBMITTED	SUBMITTED BY SIGNATURE				PROPERTY NAME

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + Cu	Zn	ppm Ag	Co	Ni
			occasional quartz/calcite veinlet	2878	365	370	5	39	Nil					
			-fracturing noted but fairly minimal, unit	2879	370	375	5	30	Nil					
			competent looking, fractures at 45 & 70° to C.A.	2880	375	380	5	29	Nil					
			-some fracturing, bleaching, minor quartz/carb	2881	380	385	5	15	Nil					
			veining/stringers from 379.8 - 380.8 feet,	2882	385	390	5	25	Nil					
			veinlets @ 35° to C.A.	2883	390	395	5	35	2					
			-slightly coarser grained section 388-390 feet	2884	395	400	5	20	Nil					
			-this interval contains a few very minor slips	2885	400	405	5	30	3					
			@ 10-15° to C.A.	2886	405	410	5	32	7					
			-sulphides in this interval scarce to nonexistant											
			(pyrite)											
			-@390-410, this interval a grey/black volcanic											
			similar to original description											
			-a few very rare quartz stringers with pyrite &											
			one or two tiny pink felsic stringers											
			-generally a massive competent unit with occasional											
			fracture @ 45° to C.A., rare slip 15-20° to C.A.											

E.O.H. 410 FT. *NOTE: MS column stands for MAGNETIC SUSCEPTIBILITY

*Core stored at Tom Obradovich Warehouse-Kirkland Lake

VLE NO. JS-95-2 | Pg 1

DRILLING COMPANY (N Q Core) FORAGE M. LAFRENIERE		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH 130° AZ	TOTAL 489.4 Ft.	DIP OF HOLE AT COLLAR	-45°	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM L080W. ST050N. *Note. in metres (surface grid)	MAP REFERENCE NO.	CLAIM NO. 512579
DATE HOLE STARTED Oct. 18/95	DATE COMPLETED Oct. 24/95	DATE LOGGED 10/22/95	LOGGED BY J. K. Filo		(M) 260 Ft.	-44°		LOCATION (Tp., Lot, Con. OR Lot. and Long.) Grenfell Twp.	
EXPLORATION CO. OWNER OR OPTIONEE OTITIS J. EXPLORATION		DATE SUBMITTED Nov. 4/96	SUBMITTED BY SIGNATURE		489 Ft. (M)	-44°		PROPERTY NAME John Sirola	
					(M)				
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + ppm Cu	Zn	Ag	Co	Ni
0	6	CASING												
6	114.5	DIORITE	-this diorite unit is coarse grained and some-											
			what more leucocratic, plagioclase feldspar											
			component fairly substantial											
			-unit has some pinkish mineral throughout (K spar?)											
			suggesting this unit could be a dioritic phase											
			of the gabbro in this area											
			-the color of unit is grey											
			-@ 6'-40'. this initial interval is as per											
			description above, coarse grained unit with											
			sub-hedral crystals of ferro-magnesium minerals											
			and feldspar											
			-substantial pyrite, clots, fine stringers and											
			weakly disseminated mineralization noted, overall											
			3-5%											
			-a few extremely rare quartz/carb stringers at											
			45° to C.A.											

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			PROPERTY NAME	
			SUBMITTED BY SIGNATURE		(M)				
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + Cu	Zn	ppm Ag	Co	Ni
			-fractures are fairly numerous in this interval *	2887	6	10	4	60	206					
			and are at 45 & 60° generally	2888	10	15	5	29	Nil					
			-at 32.75 minor slip 10-15° to C.A.	2889	15	20	5	6000	14					
			-this interval also contains some rare epidote	2890	20	25	5	5200	19					
			alteration proximal to fractures & extending a	2891	25	30	5	6000	10					
			few inches on either side of them: unit also	2892	30	35	5	200	15					
			strongly magnetic overall	2893	35	40	5	2500	5					
				2894	40	45	5	6500	10					
			-@ 40-70 interval, description as at start for	2895	45	50	5	1000	21					
			diurite unit	2896	50	55	5	6500	5					
			-substantial decrease in pyrite mineralization in	2897	55	60	5	2000	7					
			this interval relative to interval above, this	2898	60	65	5	1000	9					
			interval contains perhaps 2-3% pyrite maximum in	2899	65	70	5	2000	70					
			disseminated form and rare thin stringers	2900	70	75	5	300	5					
			-numerous fractures throughout this interval,											
			generally two sets 45 & 70											
			-minor epidote stringers (rare) & few epidote											
			patches (also rare)											
			-strongly magnetic unit overall											

HOLE NO. JS-95-2 | Pg 3

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			PROPERTY NAME	
			SUBMITTED BY SIGNATURE		(M)				
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + ppm Cu	Zn	Ag	Co	Ni
			@70-100 foot interval, diorite again as *	2801	75	80	5	75	7					
			described initially in this hole	2802	80	85	5	3500	3					
			-fine disseminated pyrite & some subhedral pyrite	2803	85	90	5	2500	12					
			crystals, total pyrite content overall estimated	2804	90	95	5	3100	2					
			at 4%	2805	95	100	5	6900	Nil					
			-fairly extensive fractures once again 45 & 60-70°	2806	100	105	5	2500	Nil					
			is the general orientation of fractures	2807	105	110	5	500	14					
			_at 71.5 minor veinlet 1 1/2" at 50" to C.A.,											
			minor pink felsic stringers proximal to this vein											
			as well											
			-at 79.0 feet similar quartz/calcite stringers/											
			veinlet at 55° to C.A., also @79-80 minor slip											
			5° to C.A.											
			-at 85 feet 10° to C.A., small slip											
			-@ 100-114.5, this interval is more less a contact											
			zone where there are sections of more mafic											
			(gabbroic) material on phases in this diorite											
			-somewhat less fracturing noted, but still present											

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			PROPERTY NAME	
			SUBMITTED BY SIGNATURE		(M)				
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + ppm Cu	Zn	Ag	Co	Ni
			-fractures, once again two sets present, one at	2808	110	114.5	4.5	4500	3					
			45° to C.A. & a second 60-70° to C.A.											
			-pyrite, both disseminated & small sub-hedral											
			crystals present, approximately 4% overall,											
			locally 5-7%											
			-a few very rare quartz/carb stringers & some											
			epidote stringers starting, epidote stringers											
			45° to C.A.											
			-last 15 feet prior to contact slightly finer											
			grained & distinctive gradual decrease in K-spar											
			plagioclase, more ferro-mag minerals (pyroxene)											
			-this transitional zone still strongly magnetic											
114.5	489.4	GABBRO	-at 114.5 start of gabbro unit, contact @45° to											
			C.A. along epidote vein											
			-this unit contains significantly more epidote											
			clots & stringers and is coarse grained & dark											

																				VLE NO. JS-95-2					Pg 5
DRILLING COMPANY			COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH		TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM						MAP REFERENCE NO.			CLAIM NO.						
DATE HOLE STARTED	DATE COMPLETED		DATE LOGGED	LOGGED BY			(M)								LOCATION (Tp., Lot, Con. OR Lot. and Long.)									
EXPLORATION CO. OWNER OR OPTIONEE			DATE SUBMITTED				(M)																	
				SUBMITTED BY SIGNATURE			(M)								PROPERTY NAME									
							(M)																	
FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.						NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + Cu	Zn	ppm Ag	Co	Ni					
			dark in color with substantial ferro-magnesium						2809	114.5	120	5.5	5100	5										
			minerals (pyroxene), with less plagioclase than						2810	120	125	5.0	1000	Nil										
			the unit above, locally in some instances the						2811	125	130	5.0	100	Nil										
			unit approaches pyroxenite compositionally						2812	130	135	5	90	12										
			-this description is typical of the gabbro seen						2813	135	140	5	90	14										
			in surface mapping & hole JS-95-1																					
			-@ 114.5-140; interval as per description above																					
			for this unit																					
			-epidote veining present, in this interval one																					
			set of stringers @ 45° to C.A. and second set @																					
			70° to C.A.																					
			-fractures in this interval generally at 40-45°																					
			to C.A.																					
			-interval has very fine disseminated pyrite																					
			throughout it in the order of 3-4% overall																					
			-core of intense epidote alteration from 126-130,																					
			feldspars in this section altered to grey color																					

JLE NO. JS-95-2 | Pg 6

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			PROPERTY NAME	
			SUBMITTED BY SIGNATURE		(M)				
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + Cu	Zn	ppm Ag	Co	Ni
			-in only one or two rare instances is a white	2814	140	145	5	3000	7					
			quartz/carb stringer noted	2815	145	150	5	2600	Nil					
			-magnetite content varies substantially in this	2816	150	155	5	100	3					
			interval within a 5' section thus it is strong	2817	155	160	5	4000	Nil					
			to very weakly attracted to a magnet	2818	160	165	5	1000	Nil					
				2819	165	170	5	2300	Nil					
			@140-180, interval basically as per original	2820	170	175	5	550	3					
			description for this gabbro unit	2821	175	180	5	2200	2					
			-still mineralized with very fine disseminated											
			pyrite 3% overall											
			-locally some weak epidote alteration around some											
			fractures, also epidote stringers, these are											
			found at 30, 50 & 70 degrees to C.A. generally											
			-only one white quartz/carb stringer noted at											
			167.3 @ 45° to C.A.											
			-a few minor slips in this interval @ 142.6											
			oriented 15° to C.A., 149.5', 15° to C.A. and at											
			171.6, also 15° to C.A., minor gouge on last											
			slip plane											

																			HOLE NO. JS-95-2								Pg 7
DRILLING COMPANY			COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH		TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM				MAP REFERENCE NO.		CLAIM NO.											
DATE HOLE STARTED	DATE COMPLETED		DATE LOGGED	LOGGED BY			(M)						LOCATION (Tp., Lot, Con. OR Lot. and Long.)														
EXPLORATION CO. OWNER OR OPTIONEE			DATE SUBMITTED				(M)																				
				SUBMITTED BY SIGNATURE			(M)						PROPERTY NAME														
							(M)																				
FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.						NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + ppm Cu	Zn	Ag	Co	Ni								
			-slightly dioritic phase noted from 178-180'																								
			-variable magnetic response through this interval with 5 foot intervals, strong to weak attraction, obviously varying amounts of magnetite.																								
			@ 180-220 interval much the same as original description for gabbro unit, minor dioritic phase in last portion of last interval						2822	180	185	5	80	Nil													
									2823	185	190	5	150	Nil													
									2824	190	195	5	1500	Nil													
			-substantially more ferro-mas minerals & somewhat less plagioclase in this interval, approaching pyroxenite??						2825	195	200	5	4000	?													
									2826	200	205	5	60	?													
									2827	205	210	5	1600	?													
			-some weak local epidote mineralization here and there and a few epidote stringers						2828	210	215	5	2100	Nil													
									2829	215	220	5	2500	Nil													
			-epidote stringers found to be oriented at 20, 45 & 70 degrees to C.A.																								
			-numerous fractures present, in this interval generally 45° to C.A.																								
			-minor slips noted at 183, 190, 207, @ 20, 5 & 10 degrees respectively to C.A.																								

JLE NO. JS-95-2 | Pg 8

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)				
			SUBMITTED BY SIGNATURE		(M)			PROPERTY NAME	
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + ppm Cu	Zn	Ag	Co	Ni
			-sulphides, mainly disseminated pyrite present in											
			this interval, overall 3% on average, locally											
			perhaps 4-5											
			-still moderate to strong magnetic response in											
			interval (variable magnetite content)											
			-@ 220-260, this interval once again similar	2830	220	225	5	250	Nil					
			to original description for this gabbro unit.	2831	225	230	5	40	Nil					
			fairly dark interval, distinctly more pyroxene	2832	230	235	5	1100	21					
			than plagioclase	2833	235	240	5	1500	Nil					
			-a number of epidote stringers noted, they are	2834	240	242.8	2.8	2500	Nil					
			found oriented at 20, 70, 45°	2835	242.8	243.8	1.0	10	14					
			-very minor quartz/carb stringer locally, but	2836	243.8	245	1.2	2200	10					
			one vein with some associated epidote stringers	2837	245	250	5.0	5100	9					
			from 242.8-243.8, 40° to C.A., minor breccia	2838	250	255	5	1100	2					
			in vein	2839	255	260	5	2700	10					
			-fractures present generally 40-45° to C.A. or											
			70° to C.A.											

JLE NO. JS-95-2 | Pg 9

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			PROPERTY NAME	
			SUBMITTED BY SIGNATURE		(M)				
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + ppm Cu	Zn	Ag	Co	Ni
			-appears that pyrite content dropping from	2840	260	265	5	48	571					
			previous interval, estimated 1-2% pyrite	2841	265	270	5	3900	36					
			(disseminated)	2842	270	275	5	56	7					
			-a few slips noted in this @ 233.3, 235.5,	2843	275	280	5	59	129					
			oriented @ 10° to C.A. in both cases	2844	280	285	5	25	319					
			-pink/orange calcite stringer noted at 259.8,	2845	285	290	5	65	291					
			60° to C.A.	2846	290	295	5	52	93					
				2847	295	300	5	60	12					
			-@260-300, interval similar to initial description											
			for gabbro, still fairly coarse grained											
			-for most part fairly pyroxene rich interval,											
			some more feldspar rich sections locally over a											
			foot or two that lean towards diorite??											
			-still substantial epidote veinlets or stringers											
			and some pervasive epidote alteration locally											
			(293.5-295.5)											
			-epidote stringers generally at 45° to C.A., but a											
			few at 70° to C.A.											

JLE NO. JS-95-2 | Pg 10

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			PROPERTY NAME	
			SUBMITTED BY SIGNATURE		(M)				
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + ppm Cu	Zn	Ag	Co	Ni
			-a few feldspar porphyritic dykes 1/2-1 1/2"											
			thick noted at 272', the first is oriented 45°											
			to C.A., and the second parallels the C.A.											
			-there are also a few quartz/carb veinlets/											
			stringers noted as well, they make up <1% of											
			interval overall, also a 283.7-283.9 minor veinlet											
			of white quartz with pyrite oriented 70% to C.A.											
			-also appearance of a few are smoky grey/black											
			quartz stringers (one or two maximum)											
			-fairly sparse disseminated sulphide noted in this											
			interval 1-2% overall (pyrite)											
			-at 266', 15° to C.A., minor slip, similarly at											
			289' also oriented 15° to C.A.											
			-some pink felsic stringers at 298'											
			-fractures within this interval generally at											
			45° to C.A.											
			-variable magnetic attraction in interval &											
			variable magnetite content											

HOLE NO. JS-95-2 | Pg 11

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			PROPERTY NAME	
			SUBMITTED BY SIGNATURE		(M)				
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + Cu	Zn	ppm Ag	Co	Ni
			-@300-340, still a coarse grained grey black	2848	300	305	5	150	15					
			gabbro unit as per description at start of unit	2849	305	310	5	2300	41					
			-a number of fractures noted in this interval,	2850	310	315	5	4900	96					
			ranging from 40-60° to C.A.	2751	315	320	5	5600	50					
			-also epidote stringers noted, generally ranging	2752	320	325	5	4500	114					
			from 20-40°, also local areas up to 1 foot in	2753	325	330	5	5100	53					
			length where there is pervasive epidote	2754	330	335	5	2700	125					
			alteration	2755	335	340	5	1400	55					
			-also this interval contains a few very rare											
			smoky grey quartz veins @20° & 85° to C.A.											
			-also a few white quartz/carb stringers noted,											
			these are at 45° to C.A.											
			-overall veining in total less than 2% of this											
			interval											
			-minor pink feldspar porphyry dykes 1-2" across											
			@ 319.2 & 324.5 oriented @ 20 & 45° respectively,											
			also a similar dyke @339.7 oriented 20° to C.A.											
			-sulphide content 1-2% maximum, fine disseminated											
			pyrite											

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			PROPERTY NAME	
			SUBMITTED BY SIGNATURE		(M)				
					(M)				

A NO. JS-95-2

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + Cu	Zn	Ag ppm	Co	Ni
			-variable magnetic response in this interval, but generally very strong response											
			-a few minor slips in this interval, not of major significance, these are generally at about 15° to C.A.											
			-in last few feet of this interval unusual banded appearance caused by alternating bands of epidote & unaltered gabbro; bands about 2" across											
			@340-380; this interval once again as per original description for this gabbro unit	2756	340	345	5	90	1430					
				2757	345	350	5	3600	202					
			-no significant change from last interval, still some epidote stringers once again and a few local patches of pervasive epidote alteration roughly one foot in length, epidote stringers 20° & 60° to C.A.	2758	350	355	5	4600	14					
				2759	355	360	5	55	82					
				2760	360	365	5	4000	12					
				2761	365	370	5	35	2					
				2762	370	375	5	3500	12					
			-fractures in this interval 60-70° to C.A.	2763	375	380	5	35	5					
			-minor slips @ 357, 364, 376 & 379 all at 15 to 20° to C.A.											
			-minor feldspar porphyry dykes @343, 360.6, 367.6 at 20, 45° & 45° again to C.A. respectively.											

HOLE NO. JS-95-2 | Pg 13

DRILLING COMPANY | COLLAR ELEVATION | BEARING OF HOLE FROM TRUE NORTH | TOTAL | DIP OF HOLE AT COLLAR | LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM | MAP REFERENCE NO. | CLAIM NO.

DATE HOLE STARTED | DATE COMPLETED | DATE LOGGED | LOGGED BY | (M) | LOCATION (Tp., Lot, Con. OR Lot. and Long.)

EXPLORATION CO. OWNER OR OPTIONEE | DATE SUBMITTED | SUBMITTED BY SIGNATURE | (M) | (M) | (M) | PROPERTY NAME

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	Cu	Zn	ppm Ag	Co	Ni
			-sulphide mineralization (pyrite) fairly minor											
			1-2% diss. pyrite maximum											
			-no significant quartz/carb or grey smoky black											
			veins or stringers, seen in this interval,											
			practically non-existant											
			-@ 380-420, as per initial description of gabbro	2764	380	385	5	7600	9					
			unit	2765	385	390	5	55	15					
			-@ 380-386, section with broken and blocky core,	2766	390	395	5	100	15					
			more specifically, heavily broken & blocky from	2767	395	400	5	2600	14					
			382-383 feet, veining and alteration of feldspars	2768	400	405	5	2000	24					
			to a grey color from 383-384.5. Veins & stringers	2769	405	410	5	46	Nil					
			from 383-384.5 consist of white quartz/carb veinl-	2770	410	415	5	4600	213					
			ets & grey black smoky quartz stringers	2771	415	420	5	20	33					
			-@ 385.2-386.4 epidote alteration & a series of											
			small smoky black quartz stringers at 60° to C.A.											
			-this interval overall has increased pyrite											
			content, there is fine diss. pyrite & some cubic											
			pyrite, as well as minor thin stringer pyrite											

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			PROPERTY NAME	
			SUBMITTED BY SIGNATURE		(M)				
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + Cu	Zn	ppm Ag	Co	Ni
			-at 403.7-405.3 numerous grey black quartz veins	2772	420	425	5	4100	10					
			at 70° & 20° to C.A., also quartz/carb vein (white	2773	425	430	5	200	Nil					
			1/2" wide with an orientation of 70° to C.A.	2774	430	435	5	2900	Nil					
			-once again this interval also has a few minor	2775	435	440	5	3900	10					
			slips at 389.5, 405.7, orientation of those	2776	440	445	5	2100	9					
			approximately 15° to C.A.	2777	445	450	5	2000	38					
				2778	450	455	5	4200	Nil					
			-@420-460, no significant change in this interval;	2779	455	460	5	30	Nil					
			as per original description for gabbro unit											
			-this section contains one or two smoky grey	2780	460	465	5	5100	16					
			quartz veins and one quartz/carb (white) veinlet	2781	465	470	5	46	6					
			at 438' (orientation 70° to C.A.)	2782	470	475	5	1900	7					
			-fractures that are present (minimal) generally	2783	475	480	5	2100	<5					
			70° to C.A. or 45° to C.A.	2784	480	485	5	1900	11					
			-a few minor slips present, at 426 feet, 50° to	2785	485	489.4	4.4	1600	8					
			C.A.											
			-fine disseminated pyrite noted 1-2% total overall											
			-variable magnetic response from weak to very											
			strong over entire interval											

HOLE NO. JS-95-2 Pg 15

DRILLING COMPANY	COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.

DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY	(M)	LOCATION (Tp., Lot, Con. OR Lat. and Long.)

EXPLORATION CO. OWNER OR OPTIONEE	DATE SUBMITTED	SUBMITTED BY SIGNATURE	(M)	(M)	(M)	PROPERTY NAME

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	Cu	Zn	Ag	Co	Ni
			@460-489.4, last interval, gabbroic as per original description for gabbro											
			-a few minor epidote stringers in this interval and a few minor splashes of epidote alteration near fractures, epidote stringers at 70 & 45° to C.A.											
			-one or two tiny stringers of grey black quartz & white quartz/carb in whole interval.											
			-very local fine disseminated pyrite, approximately 1%, locally 1-2%											
			-fractures in this interval at 45° to C.A.											
			-minor slip at 465.5 feet at 15° to C.A.											
			-last few feet of this hole very blocky & broken up											
			E.O.H. 489.4 FT											
			*NOTE: MS column stands for MAGNETIC SUSCEPTIBILITY											
			*Core stored at Tom Obradovich Warehouse-Kirkland Lake											

HOLE NO.	JS-95-3
Pg	1
DRILLING COMPANY	(N Q Core) FORAGE M. LAFRENIERE
COLLAR ELEVATION	
BEARING OF HOLE FROM TRUE NORTH	145° AZ
TOTAL	670 Ft.
DIP OF HOLE AT COLLAR	-45
(M) 200 Ft.	-47°
400 Ft (M)	-49°
650 Ft (M)	-50°
LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	Line (2W) ST. (25 N) Metric Grid on surface
MAP REFERENCE NO.	
CLAIM NO.	512579
DATE HOLE STARTED	Oct.24/95
DATE COMPLETED	Oct.27/95
DATE LOGGED	Oct.25/95
LOGGED BY	J. K. Filo
LOCATION (Tp., Lot, Con. OR Lot. and Long.)	Grenfell Twp.
EXPLORATION CO. OWNER OR OPTIONEE	OTIS J. EXPLORATION
DATE SUBMITTED	Nov.14/96
SUBMITTED BY SIGNATURE	
PROPERTY NAME	John Sirola Grenfell Prospect

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	Cu	Zn	Ag ppm	Co	Ni
0	6.5	CASING												
6.5	58	DIORITE	-this unit appears to be a dioritic phase of the *	2786	6.5	10	3.5	3100	20					
			intrusive	2787	10	13	3.0	2600	70					
			-this unit contains substantial feldspar	2788	13	18	5.0	41	12					
			(plagioclase), ferro magnesium minerals (pyroxene)	2789	18	20	2.0	3400	6					
			and a pinkish white mineral, probably some K-spar	2790	20	25	5	31	13					
			thus unit may be close to gabbro compositionally,	2791	25	30	5	4400	<5					
			but likely falls into the dioritic composition,	2792	30	35	5	900	<5					
			whole rock would be necessary to determine this	2793	35	40	5	41	6					
			(could possibly be a leucocratic gabbro)											
			-unit is fairly coarse grained and greyish in											
			color with some epidote stringers & patchy epidote											
			overall less epidote than in gabbro unit											
			-@6.5 - 40, interval as per original description											
			above											
			-fairly substantial fracturing in this interval											
			oriented 45 & 70° to C.A., two distinct sets of											
			fractures											

LE NO. JS-95-3 | Pg 2

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			PROPERTY NAME	
			SUBMITTED BY SIGNATURE		(M)				
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + Cu	Zn	ppm Ag	Co	Ni
			-epidote stringers at 45° & 70° generally											
			-fault @31' (minor) at 15° to C.A., and one at	2794	40	45	5	1000	<5					
			39', 15° to C.A.	2795	45	50	5	6900	<5					
			-fair amount of epidote alteration patchy from	2796	50	55	5	1100	139					
			26.5 - 27.5	2797	55	58	3	4500	16					
			-at 15.2 feet, 45° to C.A.											
			-very minimal veining, 45° to C.A. veinlet at											
			20.1, white quartz/carb veinlet											
			-moderately strong magnetic response overall, but											
			variable within unit											
			-very minor pyrite <1/2% overall											
			-@40-58', still a dioritic unit as per original											
			description											
			-still fairly numerous fractures oriented at											
			45° & 70° to C.A.											
			-a few minor slips noted as well at 46.5 (20° to											
			C.A.) & 51.2 (30° to C.A.)											
			-only one minor white quartz/carb veinlet noted											

(70° to C.A.) at 48.5 feet

-minor 2" porphyry dyke 2" wide at 55', 45° to C.A

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DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM		MAP REFERENCE NO.	CLAIM NO.													
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)				LOCATION (Tp., Lot, Con. OR Lot. and Long.)														
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)																		
			SUBMITTED BY SIGNATURE		(M)				PROPERTY NAME														
					(M)																		
FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.				NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + Cu	Zn	ppm Ag	Co	Ni						
			-very slight increase in pyrite content perhaps																				
			1/2 - 1% disseminated pyrite overall																				
			-only one or two small epidote stringers noted																				
			-sharp lower contact 30° to C.A.																				
58	341	Gabbro	-unit is grey black in color coarse grained with																				
			ferro-mag rich phases and more leucocratic phase																				
			where ferro-mag minerals (pyroxene) and plagioclase																				
			foldspar proportions are more less equal																				
			-local patchy epidote mineralization & some																				
			stringers																				
			-variable magnetite content & magnetic response																				
			-@ 58-90 foot interval unit is as per description				2798	58	60	2	2900	354											
			above for gabbro				2799	60	65	5	80	17											
			-fairly distinct increase in pyrite content from				2800	65	70	5	55	<5											
			diorite but still low 1-2% overall (estimate),				2701*	70	75	5	1000	<5											
			mainly disseminated & small pyritic clots				2702	75	80	5	2900	61											

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DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			LOCATION(Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			PROPERTY NAME	
			SUBMITTED BY SIGNATURE		(M)				
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + Cu	Zn	Ag	Co	Ni
			-weak patchy local epidote alteration in this	2703	80	85	5	70	15					
			interval and some minor epidote stringers (rare)	2704	85	90	5	4200	19					
			oriented 45° to 20° to C.A.											
			-numerous fracture noted also, those are oriented											
			45° & 70° to C.A. (two sets)											
			-minor slips at 69.5, (10° to C.A.), 76 feet											
			(45° to C.A.)											
			-1 1/2% overall quartz / quartz/carb stringers in											
			this interval, 45° to C.A. where noted, one tiny											
			grey black stringer of smoky quartz at 60.2.											
			@ 90-130											
			-no significant change from previous interval,	2705	90	95	5	4900	16					
			still as per original description for gabbro	2706	95	100	5	4500	25					
			-pyrite content stil about 1-2%, locally 2-3%	2707	100	105	5	4900	18					
			over a few inches as some pyrite stringers	2708	105	110	5	2400	13					

																								Pg 5
DRILLING COMPANY			COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH		TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM			MAP REFERENCE NO.		CLAIM NO.										
DATE HOLE STARTED	DATE COMPLETED		DATE LOGGED	LOGGED BY			(M)					LOCATION (Tp., Lot, Con. OR Lot. and Long.)												
EXPLORATION CO. OWNER OR OPTIONEE			DATE SUBMITTED				(M)																	
				SUBMITTED BY SIGNATURE			(M)					PROPERTY NAME												
							(M)																	
FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.						NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + ppm Cu	Zn	Ag	Co	Ni					
			associated with quartz veining/stringers &						2709	110	115	5	2100	397										
			fracture plane faces						2710	115	120	5	6600	85										
			-very minimal quartz or quartz/carb stringers in						2711	120	125	5	1600	49										
			this interval, two or three little stringers						2712	125	130	5	6200	173										
			maximum																					
			-still numerous fractures, orientation still																					
			45° & 70° to C.A.																					
			-magnetite concentration variable, but generally																					
			substantial & thus mod-strong response to magnet																					
			-once again, a few minor slips noted at 105'																					
			(15° to C.A.), 112.5' (15° to C.A.), 129.6'																					
			(45° to C.A.)																					
			-@130-180, gabbroic interval as per initial						2713	130	135	5	8500	16										
			description						2714	135	140	5	6500	286										
			-distinct increase in quartz/carb stringers and																					
			also some smoky grey black quartz stringers &																					
			smoky black quartz clots, still only 3-4%, vein																					
			orientation 70° to C.A. generally																					

DRILLING COMPANY			COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH		TOTAL		DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM													
DATE HOLE STARTED	DATE COMPLETED		DATE LOGGED	LOGGED BY				(M)															
EXPLORATION CO. OWNER OR OPTIONEE			DATE SUBMITTED					(M)															
				SUBMITTED BY SIGNATURE				(M)															
								(M)															
FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.							NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + ppm Cu	Zn	Ag	Co	Ni			
			-sulphide content more like 1/2-1%							2715	140	145	5	5100	26								
			-numerous fractures, once again generally 45 & 70°							2716	145	150	5	1600	297								
			to C.A.							2717	150	155	5	6000	55								
			-epidote clots & patches locally & generally							2718	155	160	5	5500	27								
			proximal to a fracture, most pervasive a few							2719	160	165	5	42	117								
			inches from fracture							2720	165	170	5	1100	515								
			-epidote stringer oriented 70° to C.A. & 30° to							2721	170	175	5	4000	22								
			C.A.							2722	175	180	5	200	28								
			-slips at 144 (15° to C.A.); 156' (10° to C.A.)																				
			-weak to strong response to magnet, variable																				
			magnetite content																				
			-@ 180-220 this interval fairly similar to							2723	180	185	5	70	57								
			original description except this interval some-							2724	185	190	5	3700	119								
			what more enriched in ferro magnesium minerals							2725	190	195	5	2600	29								
			-still white quartz/carb veinlets present & some							2726	195	200	5	110	134								
			veins up to 0.8 feet long (182.4-183.2), this							2727	200	205	5	2900	810								
			vein 45° to C.A., some very minor smoky grey							2728	205	210	5	3800	170								
			black quartz also quartz content of interval 2-3%							2729	210	215	5	3900	61								
			maximum																				

DRILLING COMPANY			COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH		TOTAL		DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM			MAP REFERENCE NO.		CLAIM NO.								
DATE HOLE STARTED	DATE COMPLETED		DATE LOGGED	LOGGED BY				(M)					LOCATION (Tp., Lot, Con. OR Lot. and Long.)											
EXPLORATION CO. OWNER OR OPTIONEE			DATE SUBMITTED					(M)																
				SUBMITTED BY SIGNATURE				(M)					PROPERTY NAME											
								(M)																
FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.						NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + Cu	Zn	ppm Ag	Co	Ni					
			-fractures present, two sets oriented 45 & 60°						2730	215	220	5	5400	6										
			generally						2731	220	225	5	4300	<5										
			-a few minor slips present at 165 (40° to C.A.)						2732	225	230	5	4700	<5										
			195 (10° to C.A.), 204.5 (15° to C.A.)						2733	230	235	5	4600	<5										
			-minor epidote stringers 20° to C.A. and some						2734	235	240	5	5700	<5										
			45° to C.A., also minor weak local splashes of						2735	240	245	5	4300	6										
			epidote alteration near fractures						2736	245	250	5	4200	<5										
			-pyrite content ranges from 3-4%, both fine diss-																					
			eminated pyrite & clots of pyrite within this																					
			interval																					
			-@200-250, interval very similar to original																					
			description, this particular interval appears to																					
			be darker in color, with a fairly strong ferro-																					
			mag mineral content																					
			-interval has both fine disseminated pyrite, clots																					
			of pyrite & pyrite on some fracture slips,																					
			overall estimate 3-4%																					

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DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			PROPERTY NAME	
			SUBMITTED BY SIGNATURE		(M)				
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + Cu	Zn	ppm Ag	Co	Ni
			-a few tiny epidote stringers and a few local	2737	250	255	5	2200	<5					
			patches of weak epidote alteration (very minor)	2738	255	260	5	1500	<5					
			-epidote stringers at 10° & 30° to C.A.	2739	260	265	5	3700	<5					
			-no significant veins or stringers whatsoever in	2740	265	270	5	1500	12					
			this interval	2741	270	275	5	90	7	61				
			-again, there is two distinct fracture sets present	2742	275	280	5	25	15	238				
			one at 45 and a second oriented 60-70° to C.A.	2743	280	285	5	50	5	31				
			-also some minor orange/pink stringers (felsic	2744	285	290	5	65	<5	889				
			veinlets) on occasion (one or two) generally at	2745	290	295	5	25	5	655				
			20° to C.A.	2746	295	300	5	65	25	187				
			-slips minor, at 228' (5° to C.A.), 237' (15° to											
			C.A.)											
			-@250-300 for the most part this interval is											
			similar to original description, like previous											
			interval, this section is dark & has more ferro-											
			magnesium minerals and less plagioclase											

DRILLING COMPANY			COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH		TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM														
DATE HOLE STARTED	DATE COMPLETED		DATE LOGGED	LOGGED BY			(M)																	
EXPLORATION CO. OWNER OR OPTIONEE			DATE SUBMITTED				(M)																	
				SUBMITTED BY SIGNATURE			(M)																	
							(M)																	
FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.						NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + ppm Cu	Zn	Ag	Co	Ni
			-from about 250-274 practically the same as last																					
			interval, pyrite content similar about 2-3%																					
			mainly disseminated																					
			-only one quartz calcite veinlet from 250-274 at																					
			260 feet along a fault plane oriented 35° to C.A.																					
			-aside from veinlet above there are also a few																					
			minor quartz/calcite stringers, in total veining																					
			& stringers <1% of core from section 250-274																					
			-the section of this interval from 250-274 very																					
			blocky & broken up with numerous fractures, once																					
			again generally oriented 45° & 70° to C.A.																					
			-also at 250-274 fairly strong slip from 268' -																					
			270' at about 5° to C.A., this same section has																					
			no significant epidote alteration or stringers																					
			except from 272-274 (patchy epidote)																					

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY SIGNATURE		(M)			PROPERTY NAME	
					(M)				
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE NO. LENGTH	MS	Au ppb	ASSAYS + Cu	Zn	Ag	Co	Ni
			at 273' to end of interval at 300 there is a distinct change as there are numerous clots & stringers of pink/orange feldspar often associated with quartz/calcite veining and or smoky grey quartz stringers -also, veinlet and stringer orientations in this last interval are ranging from 30° o 45° to C.A. for the most part, however there are some tiny stringers randomly oriented, quartz/carb veining &smoky black quartz make up 4-5% of section frm 273-300 -also 1/2-1% chalco found in veinlets locally, in this section (273-300') there is about 3-4% disseminated pyrite overall -also at 273-300 core still fairly blocky and fractured, fractures oriented 45° & 70° to C.A. -numerous small slips also at 273 (25° to C.A.), 291 (20° to C.A.), 295 (20° to C.A.)											

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DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)				
			SUBMITTED BY SIGNATURE		(M)			PROPERTY NAME	
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + ppm Cu	Zn	Ag	Co	Ni
			-@300-340 interval much the same as description	2747	300	305	5	60	35	111				
			for gabbro when first described in this hole.	2748	305	310	5	61	<5	364				
			this interval once again more black & enriched	2749	310	315	5	65	7	31				
			in ferro-magnesium minerals and less plagioclase	2750	315	320	5	50	7	68				
			-this interval like the last portion of the last											
			interval contains substantial white quartz/carb *	2651	320	325	5	70	<5	330				
			veinlets & stringers as well and stringers and	2652	325	330	5	60	<5	1143				
			clots of smoky grey quartz, these are sometimes	2653	330	335	5	55	5	201				
			mixed. the make up of the zone is as follows,	2654	335	338	3	51	10	603				
			300-310 - 3% white quartz carb veinlets and	2655	338	341	3	220	37	387				
			stringers 310-320 - 6% " " " "											
			320-330 - 4-5% " " " "											
			330-340 - 4% white quartz/carb & 2-3%											
			smoky grey quartz											
			-veins are 5° to 40° to C.A. and randomly oriented											
			as well											
			-once again substantial amounts of a pink/orange											
			feldspar mineral in veinlets associated											

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			LOCATION(Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)				
			SUBMITTED BY SIGNATURE		(M)			PROPERTY NAME	
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM(M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + ppm Cu	Zn	Ag	Co	Ni
			with quartz carb stringers & veinlets											
			-once again some chalcopyrite in veins, overall											
			section might contain 1/2-1% chalcopyrite											
			-finely disseminated pyrite in this interval,											
			estimate 2-3% with local sections of 4-5% pyrite											
			-fractures noted at 45 & 60° to C.A., these were											
			quite plentiful and core is broken up, but not											
			considered blocky, per say											
			-also there is a fair number of slips; 325'											
			(30° to C.A.), 328.9' (15° to C.A.), 340'											
			(5° to C.A.)											
			-major fault at 347 feet (5° to C.A.)											
			-lower contact sharp at 45° to C.A. at 341'											
341	360.5	MAFIC VOLCANICS												
		(Andesite)	-narrow interval of light grey color massive	2656	341	345	4	70	<5	238				
			mafic volcanics, that are fine grained to	2657	345	350	5	25	5	601				
			aphanitic, shot full of quartz/carb veins &	2658	350	355	5	5	5	30				
			grey smoky quartz veins, stringers & clots	2659	355	358	3	15	<5					

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DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY SIGNATURE		(M)			PROPERTY NAME	
					(M)				
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + ppm Cu	In	Ag	Co	Mi
			-quartz content estimated at 25-30% of unit,	2660	358	360.5	2.5	40	<5					
			orientation of veins 0° - 40° to C.A.											
			-pyrite content in this interval < 1%											
			-minor epidote stringers noted, randomly oriented											
			-a fair number of fractures present 45-50° to C.A.											
			-fairly major slip noted at 347, oriented 5° to C.A.											
			-lower contact 25° to C.A.											
				2661	360.5	365	4.5	50	<5					
360.5	670	Gabbro	-medium to coarse grained grey black unit with	2662	365	370	5	60	<5					
			substantial ferro-magnesium minerals (pyroxene)	2663	370	375	5	500	8					
			making up the majority of unit & some plagioclase	2664	375	380	5	800	<5					
				2665	380	385	5	3100	<5					
			-@360.5-400, this interval as per description	2666	385	390	5	490	<5					
			above for gabbro	2667	390	395	5	2100	6					
			-unit contains both white quartz/carb stringers	2668	395	400	5	2000	8					

E NO. JS-95-3

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			LOCATION(Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			PROPERTY NAME	
			SUBMITTED BY SIGNATURE		(M)				
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + Cu	Zn	Ag ppm	Co	Ni
			and smoky grey black quartz stringers, generally											
			these are oriented from 30 - 70° to C.A.											
			-also pink/orange feldspar? stringers & clots noted,											
			usually these are associated with stringers (quartz)											
			-also, overall quartz/carb & smoky grey quartz make											
			up perhaps 5-7% of this interval											
			-sparse pyrite noted TR-1/2% overall											
			-two fracture sets noted again 45° & 70° generally											
			-major slip or fault with blocky ground, slip 5°											
			to C.A., at 375', also a minor slip at 372', 15°											
			to C.A.											
			-variable magnetic attraction from moderate to											
			strong											
			-											
			@400-440											
			- still a coarse grained gabbro as per initial											
			description of 360.5											

HOLE NO. JS-95-3

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			PROPERTY NAME	
			SUBMITTED BY SIGNATURE		(M)				
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS † Cu	Zn	Ag	Co	Ni
			-distinct decrease in quartz carb veining & only	2669	400	405	5	450	10					
			a few minor smoky grey/black quartz stringers	2670	405	410	5	3600	26					
			(these make up < 4% of unit together in total)	2671	410	415	5	1200	17					
			-there are still stringers of a pinky orange	2672	415	420	5	1900	7					
			mineral (feldspar?) generally associated with	2673	420	425	5	2200	9					
			quartz or quartz/carb stringers	2674	425	430	5	1100	24					
			-veining or stringers, generally at 45° or 70° in	2675	430	435	5	1200	<5					
			this interval, but the occasional stringer at 20°	2676	435	440	5	500	8					
			to C.A.											
			-some minor epidote stringers locally, these are											
			at 20-25° to C.A.											
			-major fault with quartz vein associated 5° to C.A.											
			at 412-413.5 (slickenslides)											
			-minor slip at 424 feet (5° to C.A.)											
			-at 429 feet minor slip 15° to C.A.											
			-numerous fractures throughout interval at 45° &											
			70° to C.A. generally (two distinct sets)											
			-minimal sulphide < 1% disseminated pyrite, minor											
			chalcopyrite in stringers near 440'											

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	HOLE NO. JS-95-3	Pg 16
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			MAP REFERENCE NO.	CLAIM NO.
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
			SUBMITTED BY SIGNATURE		(M)			PROPERTY NAME	
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + Cu	Zn	Ag ppm	Co	Ni
			-@ 440-480, gabbro as per description is at	2677	440	445	5	1000	<5					
			360.5	2678	445	450	5	1900	8					
			-minor quartz/carb stringers noted making up less	2679	450	455	5	2900	12					
			than 2% of this interval overall, these are	2680	455	460	5	200	16					
			oriented 45° & 70° to C.A. generally, there are	2681	460	465	5	2100	8					
			a few minor stringers at shallow angles to C.A.	2682	465	470	5	55	29					
			-still minor pinkish/orange stringers & clots,	2683	470	475	5	4500	7					
			usually associated with quartz/carb stringers	2684	475	480	5	56	221					
			-some minor epidote stringers noted as well											
			(minor); these are usually at 70 to 90° to C.A.											
			where present. epidote patches mod-weak											
			alteration 475-480											
			-feldspar porphyry dykes (small) noted as follows:											
			445 feet (15° to C.A.). dyke parallel to core											
			axis from 465-468 feet. at 472.5 small porphyry											
			dyke 45° to C.A.											
			-very sparse pyrite in this unit < 1% overall											
			-this interval pretty blocky. numerous fractures											
			45 & 60° to C.A.											

-slips (minor) at 445 (15° to C.A.), 449 (15° to C.A.), 454.4 (15° to C.A.), 461.5 (10° to C.A.)

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	HOLE NO. JS-93-3	Pg 17
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			MAP REFERENCE NO.	CLAIM NO.
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
			SUBMITTED BY SIGNATURE		(M)			PROPERTY NAME	
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE OR LENGTH	MS	Au ppb	ASSAYS + Cu	Zn	Ag	Co	Ni
			-@480-530, this interval basically a gabbro unit	2685	480	485	5	2000	67					
			similar to that described initially at 360.5	2686	485	490	5	3000	<5					
			-once again fairly minimal amount of quartz/carb	2687	490	495	5	3900	647					
			stringers and rare odd smoky grey quartz	2688	495	500	5	4100	17					
			stringer, in total vein content 2%-3% maximum	2689	500	505	5	2500	16					
			-generally stringers 60-70° to C.A., but a few	2690	505	510	5	3500	135					
			shallows stringers at 20-30° to C.A.	2691	510	515	5	2600	35					
			-fair amount of epidote stringers in this interval	2692	515	520	5	3100	79					
			at 45°, & 25° to C.A.	2693	520	525	5	2000	11					
			-fractures also fairly numerous as well but not	2694	525	530	5	3100	21					
			overly blocky core, fractures for the most part											
			in this interval are generally 60-70°											
			-a few slips noted also at 484.3 (20° to C.A.)											
			489.3 (25° to C.A.), 505.5 (40° to C.A.), 516.3											
			(45° to C.A.), gouge on this last slip or fault,											
			and minor veining associated with it.											
			-pink narrow feldspar porphyry dyke at 512'											
			(20° to C.A.), 523 feet (25° to C.A.)											
			-minimal pyrite in this interval 42% maximum											

-moderately to strongly magnetic unit (this interval)

HOLE NO. JS-95-3 | Pg 18

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			PROPERTY NAME	
			SUBMITTED BY SIGNATURE		(M)				
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + Cu	Zn	Ag ppm	Co	Ni
			@530-580, this is another interval of gabbro as	2695	530	535	5	3600	16					
			per description at 360.5 feet	2696	535	540	5	2200	11					
			-this section contains very minimal quartz/carb	2697	540	545	5	4400	15					
			and a rare smoky grey quartz stringers (1-2% of	2698	545	550	5	60	25					
			interval maximum)	2699	550	555	5	3100	16					
			-numerous epidote stringers in interval with	2700	555	560	5	5200	32					
			various orientations from 0^{o}-45^{o} to C.A. *	2601	560	565	5	4000	57					
			-very local pyrite mineralization, extensive	2602	565	570	5	4400	<5					
			barren sections 1/2-1% maximum overall	2603	570	575	5	3500	8					
			-pink feldspar porphyry dykes (narrow) at 534.2	2604	575	580	5	2900	5					
			feet (45^{o} to C.A.), 550.9 (45^{o} to C.A.)											
			-this interval has a number of fractures generally											
			at 45^{o} & 60^{o} to C.A. (two sets)											
			-there are also a number of small slips as											
			follows, 535 feet (20^{o} to C.A.), 569.5 (70^{o} to											
			C.A.)											
			-moderate to strong magnetic response											

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	HOLE NO. JS-95-3	Pg 19
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			MAP REFERENCE NO.	CLAIM NO.
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
			SUBMITTED BY SIGNATURE		(M)			PROPERTY NAME	
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + Cu	Zn	Ag	Co	Ni
			@580-630; another gabbroic interval, similar to	2605	580	585	5	5400	27					
			to description found at 360.5	2606	585	590	5	5600	69					
			-some quartz calcite & rare smoky grey quartz	2607	590	595	5	1900	11					
			stringers present particularly from 580-600 ft.	2608	595	600	5	250	386					
			approximately 2-3% of this section of interval	2609	600	605	5	3800	43					
			quartz/carb stringers. Overall perhaps 1%	2610	605	610	5	3400	49					
			quartz/carb over entire interval. Veinlets &	2611	610	615	5	4000	<5					
			stringers at shallow angle to C.A. (30° to C.A.)	2612	615	620	5	200	16					
			-spotty fine disseminated sulphide (pyrite), overall	2613	620	625	5	1300	8					
			interval contains 1/2-1% pyrite maximum	2614	625	630	5	2500	8					
			-small porphyry dykes 1-2" across noted at 599.7											
			(80° to C.A.)											
			-noted minor pinky-orange (feldspar) stringers &											
			clots noted again in this interval associated											
			with veining or stringers, usually											
			-substantial fracturing, but not blocky per say,											
			fractures at 45 & 70° to C.A., two distinct sets											
			-slips at 589.8 (30° to C.A.), at 616.4 (15° to											
			C.A.) at 627'(25° to C.A.)											

-variable magnetic response, mod. to strong overall

HOLE NO. JS-95-3 | Pg 20

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			PROPERTY NAME	
			SUBMITTED BY SIGNATURE		(M)				
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + Cu	Zn	Ag ppm	Co	Ni
			@630-670, this interval still gabbro as per	2615	630	633	3	1500	6					
			description at 360.5	2616	633	636	3	175	28					
			-fairly substantial quartz carb veining &	2617	636	640	4	2100	20					
			stringers from 630-640 ft. (50% of this section),	2618	640	645	5	1400	32					
			however overall quartz/carb veinlets, veins &	2619	645	650	5	2100	25					
			stringers & other are smoky black quartz stringers	2620	650	655	5	1100	28					
			perhaps make up 5-7% of total interval	2621	655	660	5	650	100					
			-veins in 630-640' parallel core axis, beyond	2622	660	665	5	35	27					
			veins generally 45° or 70° to C.A.	2623	665	670	5	3100	10					
			-occasional orange/pink (feldspar?) stringers											
			noted generally along a quartz/carb veinlet or											
			stringer salvage											
			-fractures numerous in this interval, two distinct											
			sets once again at 70° & 45°											
			- a few minor slips noted at 640' (5° to C.A.),											
			668' (10° to C.A.)											
			- minor disseminated sulphide (pyrite) localized											
			but overall 1% maximum											
			-moderately magnetic interval											

E.O.H. 670 Ft.

*NOTE: MS Column stands for MAGNETIC SUSCEPTIBILITY

*Core stored at Tom Obradovich Warehouse-Kirkland Lake

HOLE NO.	JS-95-4
Pg	1
DRILLING COMPANY	(N Q Core) FORAGE M. LAFRENIERE
COLLAR ELEVATION	
BEARING OF HOLE FROM TRUE NORTH	145° AZ
TOTAL	304 Ft.
DIP OF HOLE AT COLLAR	-45°
300 Ft. (M)	-44°
(M)	
(M)	
(M)	
LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	L3+00W 1+00S Metric Grid on Surface
MAP REFERENCE NO.	
CLAIM NO.	522691
DATE HOLE STARTED	Oct. 27/95
DATE COMPLETED	Oct. 28/95
DATE LOGGED	Oct 28/95
LOGGED BY	J. K. Filo
LOCATION (Tp., Lot, Con. OR Lot. and Long.)	Grenfell Twp.
EXPLORATION CO. OWNER OR OPTIONEE	Otis J. Exploration
DATE SUBMITTED	[illegible]
SUBMITTED BY SIGNATURE	
PROPERTY NAME	John Sirola

FOOTAGE (M) FT. FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + ppm Cu	Zn	Ag	Co	Ni
0	13	Casing		*N/S	13	20	7	50						
			-after casing there is a gabbro unit, this is a	2624	20	25	5	20	21					
13	304	Gabbro	medium to coarse grained unit that is grey black	N/S	25	35	10	2500						
			in color. It is composed of ferro-magnesium	2625	35	40	5	3500	7					
			minerals (pyroxene) with interstitial plagioclase	N/S	40	50	10	1500						
			unit generally contains some quartz/carb stringers	2626	50	55	5	50	8					
			& in some instances some smoky grey quartz	N/S	55	60	5	700						
			stringers, as observed initially, also epidote											
			stringers & sometimes patchy epidote alteration											
			-@ 13-60, interval is as described above											
			-this particular section has epidote stringers											
			with variable orientations, 45° & 20° to C.A.											
			generally as the two main orientations											
			-very minimal quartz/carb stringers & rare to											
			non-existant grey smoky quartz stringer, in total these stringers make up less than 2% of interval											

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	HOLE NO. J-95-4	Pg 2
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			MAP REFERENCE NO.	CLAIM NO.
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
			SUBMITTED BY SIGNATURE		(M)			PROPERTY NAME	
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE NO LENGTH	MS	Au ppb	ASSAYS + Cu	Zn	Ag ppm	Co	Ni
			-numerous fractures at 45° to C.A. and a few slips as well											
			-slips at 21.5 feet, 20° to C.A., also from 24 to 27.5 major slips parallel to C.A., similarily at 46 to 47.7 (parallel to C.A. again)											
			-also at 50-54.5 fairly major fault or slip parallel to C.A.											
			-in this interval there is a pinky/orange (feldspar?) in stringers which are generally associated or proximal to quartz carb stringers											
			-sparse fine disseminated pyrite noted, this is fairly minimal overall 1/2 - 1%											
			-@60 - 100, this interval once again gabbroic, similar to description at start of hole	2627	60	65	5	3700	37					
				2628	65	70	5	40	74					
			-minimal amount of quartz/calcite or carb stringers perhaps 1/2-1% of unit, some fractures noted, generally 45 & 70° to C.A. (two sets)	2629	70	75	5	45	29					
				2630	75	80	5	600	114					
				2631	80	85	5	45	86					

HOLE NO. J-95-4 | Fig 3

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			PROPERTY NAME	
			SUBMITTED BY SIGNATURE		(M)				
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + Cu	Zn	Pb ppm	Co	Ni
			-also still a pinkish/orange stringers (feldspar?)	2632	85	90	5	50	36					
			noted, variable angles but generally shallow	2633	90	95	5	45	110					
			angles to core axis	2634	95	100	5	45	107					
			-also occasional rare epidote stringers present	2635	100	105	5	49	30					
			and some minor patchy epidote mineralization	2636	105	110	5	1500	6					
			particularly between 70 & 75'	2637	110	115	5	500	28					
			-major slip from 67 - 67.5' at 2-3° to C.A.	2638	115	120	5	35	120					
			-major slip at 89 - 89.5' at 10° to C.A.	2639	120	125	5	3500	87					
			-minor slip at 94 to 94.5' at 2 to 3° to C.A.	2640	125	130	5	1500	<5					
			-very minimal disseminated pyrite noted 1/2-1%	2641	135	140	5	40	82					
			total overall	2642	135	140	5	40	268					
			-variable magnetic response (overall weak) but	2643	140	145	5	80	437					
			locally strong	2644	145	150	5	55	11					
			-@ 100-150, this interval much the same as the											
			last, gabbro as per initial description											
			-once again very minimal quartz/carb stringers											
			1%-2% maximum over entire interval, majority of											
			quartz/carb in section 110-116 ft.											

HOLE NO. JS-95-4 | Pg 4

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			PROPERTY NAME	
			SUBMITTED BY SIGNATURE		(M)				
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE NO.	MS	Au ppb	ASSAYS + Cu	Zn	Ag ppm	Co	Ni
			-still a pinkish-orange stringer (feldspar) present again & generally associated with quartz carb stringers											
			-minimal number of fractures in interval, very competent looking section overall, fracture sets at 20 & 45° to C.A. again											
			-a few minor slips at 114.6 (3-4° to C.A.), 134.5 (2-3° to C.A.), 140.5 (10° to C.A.)											
			-magnetic response still variable, considered moderate overall											
			-very minor pyrite 1/2-1% maximum											
			-@ 150-190; this interval much the same as last and description as at start of hole	2645	150	154	4	1500	32					
				2646	154	155	1	45	326					
			-very minor quartz/carb stringers (1% max) and rare to non-existant epidote stringer	2647	155	160	5	250	7					
				2648	160	165	5	590	24					
			-still there is pinky-orange stringers (feldspar?) those are also very minor	2649	165	170	5	1500	27					
				2650	170	175	5	60	22					
			-substantially more fractures in this interval	2551	175	180	5	50	38					

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	HOLE NO. JS-95-4	Pg 5
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			MAP REFERENCE NO.	CLAIM NO.
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
			SUBMITTED BY SIGNATURE		(M)			PROPERTY NAME	
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + Cu	Zn	Ag ppm	Co	Ni
			not a very competent interval, fractures mostly	2552	180	185	5	80	2					
			at 70°, some at 45°, some hematite on fractures	2553	185	190	5	5400	9					
			-a few slips present at 162' (22° to C.A.)											
			163,(40° to C.A.), 180 (10° to C.A.) & 184 (15°											
			to C.A.)											
			-minor 1" feldspar porphyry dyke at 159' 60° to											
			C.A.											
			-overall sulphide content minimal 1/2% pyrite											
			overall, some more pyrite @ 150-160 perhaps 2%											
			disseminated											
			-*NOTE: possible visible gold in fracture in											
			sample *2646*											
			-variable magnetic response, overall, moderate											
			@190-230, still gabbro as per initial description											
			-very minor quartz/carb stringers, (<1%)											
			-also some minor epidote stringers, various	2554	190	195	5	2000	3					
			orientations, 70°, 30° & 10° to C.A.	2555	195	200	5	900	10					
			-blocky interval, with numerous fractures, 45° &	2556	200	205	5	55	65					
			70°											

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	HOLE NO. JS-95-4	Pg 6
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			MAP REFERENCE NO.	CLAIM NO.
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY SIGNATURE		(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
					(M)			PROPERTY NAME	
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au PPb	ASSAYS † Cu	Zn	Pb PPm Ag	Co	Ni
			-a number of minor slips at 212' (10° to C.A.),	2557	205	210	5	1500	5					
			196' (5° to C.A.), 210 (45° to C.A.), 223.3	2558	210	215	5	2300	17					
			(15° to C.A.), 229'(15° to C.A.)	2559	215	220	5	150	5					
			-erratic sulphides, pyrite 1/2-1% overall but	2560	220	225	5	2500	5					
			locally 1-2%	2561	225	230	5	2600	12					
			-variable magnetic response from very weak to											
			strong											
			-@ 230-270, still gabbro as per initial description	2562	230	235	5	52	24					
			-quartz/carb veining or stringers almost non-	2563	235	240	5	2600	19					
			existant	2564	240	245	5	52	3					
			-still some tiny epidote stringers oriented 15°	2565	245	250	5	1500	9					
			to C.A., & 45° to C.A., epidote stringers very	2566	250	255	5	48	2					
			minimal	2567	255	260	5	38	86					
			-a fair number of fractures still, but still a	2568	260	265	5	410	228					
			pretty competent unit, fracture at 45-50° to C.A.	2569	265	270	5	1900	53					
			& 70° to C.A. generally											
			-minor slips present once again at 233.1 (20° to											
			C.A.), 241.5 (15° to C.A.), 247.2 (20° to C.A.),											
			258.5 (25° to C.A.), 267.5 (40° to C.A.)											

HOLE NO. JS-95-4 | Pg 7

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			PROPERTY NAME	
			SUBMITTED BY SIGNATURE		(M)				
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	Au ppb	ASSAYS + PPM Cu	Zn	Ag	Co	Ni
			-1/2" pink feldspar porphyry dyke 45° to C.A. at 240.3 feet.											
			-sporadic sulphides especially on slip planes & fracture faces, some fine disseminated pyrite also, overall content 1-2% maximum											
			-variable response to magnet, overall weak to moderate											
			-@ 270-304, same as interval above & description as per at start of hole	2570	270	275	5	2300	55					
				2571	275	280	5	3200	12					
			-one or two tiny small quartz/carb stringer making up a small portion of interval (<1/2%)	2572	280	285	5	55	84					
				2573	285	290	5	2900	31					
			-also a few rare epidote stringers	2574	290	295	5	600	151					
			-fairly numerous fractures particularly between 280-290 feet	2575	295	300	5	150	19					
				2576	300	304	4	500	69					
			-fractures at 45° & 70° to C.A. generally											
			-slips noted at 271 (4-5° to C.A.), 280.1 (40° to C.A.), 289.8 (40° to C.A.)											

HOLE NO. JS-95-4 | Pg 8

DRILLING COMPANY | COLLAR ELEVATION | BEARING OF HOLE FROM TRUE NORTH | TOTAL | DIP OF HOLE AT COLLAR | LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM | MAP REFERENCE NO. | CLAIM NO.

DATE HOLE STARTED | DATE COMPLETED | DATE LOGGED | LOGGED BY | (M) | LOCATION (Tp., Lot, Con. OR Lot. and Long.)

EXPLORATION CO. OWNER OR OPTIONEE | DATE SUBMITTED | SUBMITTED BY SIGNATURE | (M) | (M) | (M) | PROPERTY NAME

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	MS	ppb	Cu	Zn	ppm Ag	Co	Ni
			-some pyrite noted on slip planes & fracture faces											
			and some very fine disseminated pyrite also 1-2%											
			total for interval											
			-variable response to magnet from extremely weak											
			to strong											
			E.O.H. 304 FT.											
			*NOTE: MS column stands for MAGNETIC SUSCEPTIBILITY											
			*Core stored at Tom Obradovich Warehouse,											
			Kirkland Lake											

DRILLING COMPANY	COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.	HOLE NO.	Pg
FORAGE LAFRENIERE		120°E	NQ Core 303 Ft.	COLLAR	-45°	10 + 30MW +15MS METRIC SURFACE GRID		512579	JS-95-5	1

DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY	(M)	
Nov.17/95	Nov.18/95	Nov.20/95	J. K. Filo		

EXPLORATION CO. OWNER OR OPTIONEE	DATE SUBMITTED	SUBMITTED BY SIGNATURE	(M)
OTIS J. EXPLORATION	Nov.19/9[illegible]		

LOCATION (Tp., Lot, Con. OR Lot. and Long.): GRENFELL TWP.

PROPERTY NAME: JOHN SIROLA PROSPECT

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	Au ppb	Au G/T	Cu	Zn	Ag ppm	Co	Ni
0	28.7	CASING												
28.7	260.5	GABBRO	@28.7 - 80	3551	28.7	33	4.3	269						
			-medium grained grey black unit comprised of	3552	33	36	3	387						
			plagioclase feldspar and ferro-magnesium	3553	36	40	4	450						
			minerals	3554	40	45	5	176						
			-very blocky and broken up, numerous fractures,	3555	45	50	5	886	1.06					
			most prominent fracture set at 45° to C.A.,	3556	50	55	5	992	1.03					
			second set generally steeper, 65° to C.A.	3557	55	60	5	6532	5.04					
			-distinct fault zone noted from 50' to 52',	3558	60	65	5	3227	3.33					
			blocky broken zone again with Fe carbonate on	3559	65	70	5	1619	1.54					
			slips, upper contact 45° to C.A., lower 70° to C.A.	3560	70	75	5	3698	3.81					
			-Second similar fault zone from 66.3-66.7, very	3561	75	80	5	4540	4.05					
			broken & blocky again, Fe carb on slip planes,											
			upper contact 45° to C.A., lower contact 45° to											
			C.A.											
			-some quartz carb stringers noted at 45°, 70° &											
			20° to C.A., these are minor and make up 2-3% of unit											

*NOTE: VALUES IN GRAMS/TON, SEPERATE CHECK ASSAYS

HOLE NO.	Pg
JS-95-5	2

DRILLING COMPANY | COLLAR ELEVATION | BEARING OF HOLE FROM TRUE NORTH | TOTAL | DIP OF HOLE AT COLLAR (M) (M) (M) (M) | LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM | MAP REFERENCE NO. | CLAIM NO.

DATE HOLE STARTED | DATE COMPLETED | DATE LOGGED | LOGGED BY | LOCATION (Tp., Lot, Con. OR Lot. and Long.)

EXPLORATION CO. OWNER OR OPTIONEE | DATE SUBMITTED | SUBMITTED BY SIGNATURE | PROPERTY NAME

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	Au ppb	Au G/T	Cu	Zn	ASSAYS + ppm Ag	Co	Ni
			-at 50' start of quartz stringers and clots, but											
			these are minor, they also make up 1-2% of unit											
			from about 50-80'											
			-very rare pyrite in this interval 1/2-1%											
			disseminated maximum											
			-substantial epidote stringers noted also, 2-4%											
			of unit, various orientations 45°, 25° to C.A.,											
			generally											
			-variable response to magnet, weak to non-existant											
			from 70-80 feet, above 70' moderate											
			@80-120'	3562	80	85	5	697	0.79					
			-still a medium grained gabbro unit, appears to be	3563	85	90	5	1462	1.47					
			more plagioclase in this interval (leucocratic)	3564	90	95	5	409						
			-quartz carb stringers practically non-existant	3565	95	100	5	389						
			and a few minor grey smoky stringers of quartz &	3566	100	105	5	47						
			white quartz stringers (one or two each)	3567	105	110	5	19						
				3568	110	115	5	17						

																							HOLE NO. JS-95-5		Pg 3
DRILLING COMPANY			COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH		TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM						MAP REFERENCE NO.		CLAIM NO.							
DATE HOLE STARTED	DATE COMPLETED		DATE LOGGED	LOGGED BY			(M)								LOCATION (Tp., Lot, Con. OR Lot. and Long.)										
EXPLORATION CO. OWNER OR OPTIONEE			DATE SUBMITTED				(M)																		
				SUBMITTED BY SIGNATURE			(M)								PROPERTY NAME										
							(M)																		
FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.						NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	Au ppb	Pd ppb	ASSAYS + Cu	Zn	ppm Ag	Co	Ni						
			-once again some minor epidote veins & stringers						3569	115	120	5	154												
			and some minor weakly pervasive epidote alteration						3570	120	125	5	288												
			around fractures (very localized and minor)						3571	125	130	5	10												
			-epidote stringers make up 2-3% of unit						3572	130	135	5	41												
			-a number of fractures present at 45° to C.A.						3573	135	140	5	25												
			-minor slip @ 93.5 (15° to C.A.) @ 113 (15° to C.A.)						3574	140	145	5	8												
			-trace of pyrite in this interval						3575	145	150	5	<5												
			-weak to strong magnetic response, but variable						3576	150	155	5	11												
			over entire interval						3577	155	160	5	13												
									3578	160	165	5	6												
			-@ 120-160'																						
			-still a plagioclase rich section of gabbro																						
			(leucocratic)																						
			-somewhat more competent section, only a few																						
			fractures and a few minor slips																						
			-fractures oriented at 40-45° for the most part																						
			-a few minor slips @ 15° to C.A., at 131.5, 148.8																						
			and 155.5 feet																						

HOLE NO. JS-95-5	Pg 4

DRILLING COMPANY	COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED / DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)		LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE	DATE SUBMITTED	SUBMITTED BY SIGNATURE		(M) (M) (M)		PROPERTY NAME	

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	Au ppb	Pd ppb	Cu	Zn	Ag (ppm)	Co	Ni
			-a few minor epidote stringers, (rare) and also											
			a few rare quartz/carb stringers, (rare)											
			-sparse to non-existant pyrite <1/2%											
			-variable but moderate magnetic response											
			-note, minor feldspar porphyry stringer at 157'											
			@ 160-200											
			-as per interval above, still gabbro, but more	3579	165	170	5	<5						
			plagioclase still	3580	170	175	5	<5						
			-at 182' becomes blocky and broken up and increase	3581	175	180	5	<5						
			in quartz/carb stringers (beyond 182'-200', 3-4%),	3582	180	185	5	<5						
			these are at 65-70° to C.A.	3583	185	190	5	<5						
			-no significant epidote stringers (1/2%), these	3584	190	195	5	<5						
			are minor	3585	195	200	5	<5						
			-only trace pyrite noted											
			-fractures noted are generally at 45 or 70° to											
			C.A.											
			-minor slips 176 (15° to C.A.)											
			-188-190 fault zone 10° to C.A., fault zone											

199.5-200.2 gouge, upper contact and lower contacts
45° to C.A.

HOLE NO. JS-95-5	Pg 5

DRILLING COMPANY	COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED / DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)		LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE	DATE SUBMITTED	SUBMITTED BY SIGNATURE		(M) (M) (M)		PROPERTY NAME	

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	Au ppb	Pd ppb	ASSAYS + ppm Cu	Zn	Ag	Co	Ni
			-strong magnetic response for this interval											
			- @ 200-240	3586	200	205	5	<5						
			-still a gabbro with fairly substantial plagioclase	3587	205	210	5	25						
			content	3588	210	215	5	26						
			-fairly blocky, broken and fractured from	3589	215	220	5	<5						
			200-210, first ten feet beyond fault at 200'	3590	220	225	5	<5						
			-beyond 210', still a number of fractures, but a	3591	225	230	5	<5						
			more competent section	3592	230	235	5	<5						
			-fractures in the 200-240 foot interval at 45° or	3593	235	240	5	9						
			60° to C.A. generally											
			-this interval has a few minor quartz/carb											
			stringers which make up 1/2-1% of interval											
			-a few rare epidote stringers and some minor											
			patchy weak epidote alteration, particularly from											
			230-240 ft.											
			-a few minor slips noted at 206'(15° to C.A.),											
			218' (45° to C.A.), 224' (20° to C.A.), 233.5'											
			(15° to C.A.)											

-magnetic response variable, but moderate to strong

																			HOLE NO. JS-95-5							Pg 6
DRILLING COMPANY			COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH		TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM						MAP REFERENCE NO.		CLAIM NO.								
DATE HOLE STARTED	DATE COMPLETED		DATE LOGGED	LOGGED BY			(M)								LOCATION (Tp., Lot, Con. OR Lot. and Long.)											
EXPLORATION CO. OWNER OR OPTIONEE			DATE SUBMITTED				(M)																			
				SUBMITTED BY SIGNATURE			(M)								PROPERTY NAME											
							(M)																			
FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.						NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	Au ppb	Au G/T	ASSAYS + Cu	Zn	ppm Ag	Co	Ni							
			-@ 240-260.5																							
			-still a gabbro, but more coarse grained than in						3594	240	245	5	854	0.96												
			previous intervals, also much more plagioclase,						3595	245	250	5	< 5													
			also some minor pinkish feldspar (K-Spar?), close						3596	250	255	5	16													
			to diorite?, described in previous holes						3597	255	258	3	22													
			-this section contains a fair amount of patchy						3598	258	260.5	2.5	27													
			epidote, usually proximal to slips or fractures, a																							
			few minor epidote stringers also																							
			-unit is fairly competent with a few minor																							
			fractures, these are generally oriented 45° to																							
			C.A.																							
			-slip noted at 248' (40° to C.A.)																							
			-only one quartz/carb veinlet 1" long noted at																							
			253 feet, 60° to C.A.																							
			-minor porphyry stringer at 256 feet																							
			-less than 1/2% pyrite noted																							
			-still strongly magnetic																							

																HOLE NO. JS-95-5							Pg 7
DRILLING COMPANY			COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH		TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM				MAP REFERENCE NO.		CLAIM NO.							
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY				(M)						LOCATION (Tp., Lot, Con. OR Lot. and Long.)									
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED					(M)																
			SUBMITTED BY SIGNATURE				(M)						PROPERTY NAME										
							(M)																
FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.						NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	Au ppb	Pd ppb	ASSAYS + ppm Cu	Zn	Ag	Co	Ni				
260.5	262.4	MAFIC DYKE (KIMBERLITE?)	-black fine grained mafic dyke with sharp contacts						3599	260.5	262.4	1.9	18									
			contains fragments of gabbro and other wall rock material																				
			-upper contact 90° to C.A. & lower contact 85° to C.A.																				
			-dyke is not magnetic																				
262.4	303	GABBRO	-@ 262.4-280						3600	262.4	266	3.6	169										
			-very coarse grained gabbro with substantial						3601	266	270	4	49										
			pervasive epidote alteration and a few minor						3602	270	275	5	10										
			epidote stringers (rare)						3603	275	280	5	8										
			-also one or two rare quartz/carb stringers																				
			-very minor pyrite 1/2%																				
			-very competent unit with a few fractures, these																				
			are generally at a high angle 65-70° to C.A.,																				
			minor porphyritic dyke 260.5-260.7																				
			-slip @ 265.5 (15° to C.A.), this interval																				
			strongly magnetic																				

HOLE NO. JS-95-5 | Pg 8

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			PROPERTY NAME	
			SUBMITTED BY SIGNATURE		(M)				
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	Au ppb	Pd ppb	ASSAYS + Cu	Zn	ppm Ag	Co	Ni
			-@ 280-303	3604	280	285	5	8						
			-still a gabbroic unit that is fairly coarse	3605	285	290	5	<5						
			grained, still some weak pervasive patchy epidote	3606	290	295	5	15						
			alteration continuing to 288' from interval above.	3607	295	300	5	<5						
			a few minor but insignificant epidote stringers	3608	300	303	3	<5						
			noted											
			-from 288-290.5, blocky broken section of core,											
			minor slips 15-20° to C.A., also a few quartz stringers											
			at 80" to C.A.											
			-trace of fine pyrite in this last section											
			-this section strongly magnetic											
			E.O.H. 303 FT.											
			*Core stored at Tom Obradovich's warehouse in											
			Kirkland Lake, Ontario.											

DRILLING COMPANY: FORAGE LAFRENIERE		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH: N20°E	TOTAL: NQ CORE 290 FT.	DIP OF HOLE AT COLLAR: -45°		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM: 0 + 30M W, + 35M S, METRIC SURFACE GRID		HOLE NO.: JS-95-6	Pg 1												
DATE HOLE STARTED: Nov.18/95	DATE COMPLETED: Nov.19/95	DATE LOGGED: Nov.23/95	LOGGED BY: J. K. Filo		(M) 170 FT	-46°			MAP REFERENCE NO.	CLAIM NO.: 512579												
EXPLORATION CO. OWNER OR OPTIONEE: OTIS J. EXPLORATION		DATE SUBMITTED: Nov.19/95	SUBMITTED BY SIGNATURE		(M)				LOCATION (Tp., Lot, Con. OR Lot. and Long.): GRENFELL TWP.													
					(M)				PROPERTY NAME: JOHN SIROLA PROSPECT													
FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.		(M)		NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	Au ppb	Pd ppb	ASSAYS + Cu	Zn	ppm Ag	Co	Ni					
0	32	CASING					3745	52	54	2	<5											
32	192.5	MAFIC VOLCANIC	@32 - 80				3746	68	72	4	<5											
			-mafic volcanic, probably andesite composition																			
			-unit is a light grey color, massive, fine grained																			
			-it contains a few minor quartz/carb stringers				3747	78	82	4	<5											
			< 1/2% and also < 1/2% fine pyrite, also a few minor orange/pink felsic stringer a mm or two wide																			
			-stringers generally follow fracture orientations and fractures in this interval are at about 60° to C.A.																			
			-the first 25' of this hole badly broken and blocky																			
			-slips at 39', 15° to C.A., 62', (10° to C.A.), 66', (10° to C.A.)																			
			-non-magnetic unit																			
			-section of bleaching with quartz veinlet at 52 - 54																			

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	HOLE NO. JS-95-6	Pg 2
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			MAP REFERENCE NO.	CLAIM NO.
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
			SUBMITTED BY SIGNATURE		(M)			PROPERTY NAME	
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	Au ppb	Pd ppb	ASSAYS + Cu	Zn	ppm Ag	Co	Ni
			@ 80 - 130	3748	89	92	3	<5						
			- still fine grained grey massive mafic volcanic,											
			no significant change from initial description	3749	108	112	4	<5						
			above											
			- fault zone from 98 - 100, contacts estimated to											
			be 15° to C.A., blocky broken ground contacts											
			- once again 1/2% pyrite and less than 1/2											
			quartz/carb stringers	3750	118	122	4	6						
			@ 130 - 170											
			- still mafic volcanics as per intervals above,											
			but this section is very blocky and broken up	3751	130	133	3	119						
			with numerous faults, slips and fractures	3752	133	136	3	2683						
			- note, from 130 - 140 numerous quartz stringers	3753	136	140	4	4255						
			and veins at a bad angle to core axis (5°)											
			- at 154' quartz vein 25° to C.A. with orthoclase	3754	150	153	3	262						
			feldspar	3755	153	154	1	1807						
			-fault zones at 130.2 (15° to C.A.) minor fault,	3756	154	158	4	33						
			broken											

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	HOLE NO. JS-95-6	Pg 3
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			MAP REFERENCE NO.	CLAIM NO.
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
			SUBMITTED BY SIGNATURE		(M)			PROPERTY NAME	
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	Au ppb	Pd ppb	ASSAYS + ppm Cu	Zn	Ag	Co	Ni
			blocky fault zone from 145.7 - 147.9 and 164 -	3757	158	160	2	22						
			170, these last two fault zones appear to have											
			contact 10 - 15° to C.A., blocky ground contacts											
			that are not well defined											
			-once again minimal pyrite <1/2% overall in this											
			interval, but locally 4-5% on slip planes (rare)											
			- @ 170 - 192.5											
			-still fine grained mafic volcanic similar to											
			previously described intervals, some banding											
			noted at 175' possible minor tuffaceous interval											
			(45° to C.A.), a few minor quartz stringers in											
			this section rare											
			-unit is slightly chilled and silicified proximal											
			to contact, some pink feldspar clots and veins											
			from 167 - 168											
			-still very sparse sulphide perhaps 1/2%											

HOLE NO. JS-95-6 | Pg 4

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			PROPERTY NAME	
			SUBMITTED BY SIGNATURE		(M)				
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	Au ppb	Pd ppb	ASSAYS + ppm Cu	Zn	Ag	Co	Ni
			-still a fair number of slips and fractures in this	3758	170	175	5	<5						
			interval	3759	175	180	5	16						
			-slips at 181, (5° to C.A.), 187°, (5° to C.A.)	3760	180	185	5	60						
			-also contact along slip at 20° to C.A.	3761	185	190	5	1061						
192.5	290	GABBRO	@ 192.5 - 220											
			-medium grained grey/black gabbro with a plagioclase	3762	190	192.5	2.5	<5						
			component at about 30 - 35%	3763	192.5	195	2.5	<5						
			-fairly broken and blocky section of core,	3764	195	200	5	<5						
			fracture 30° to C.A., some hematite on some	3765	200	205	5	6						
			fractures	3766	205	210	5	190						
			-a few minor quartz/calcite stringers, very minor	3767	210	215	5	177						
			-also a few very rare epidote stringers	3768	215	220	5	1019						
			-slips noted at 208', (3° to C.A.), 207',	3769	220	225	5	187						
			(15° to C.A.)											
			-variable response to magnet, but very weak at											
			best											
			-some leucoxene? noted at 215'											
			-sparse to non-existant pyrite <1/2%											

HOLE NO. JS-95-6	Pg 5

DRILLING COMPANY	COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY	(M)		LOCATION (Tp., Lot, Con. OR Lat. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY SIGNATURE	(M)		PROPERTY NAME	
				(M)			
				(M)			

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	Au ppb	Pd ppb	ASSAYS + Cu	Zn	ppm Ag	Co	Ni
			@ 220 - 270											
			-basically still a medium grained gabbro, some	3770	225	230	5	7323						
			fractures and slips, but overall a reasonably	3771	230	235	5	33						
			competent section	3772	235	240	5	61						
			-very rare occasional quartz/carb stringer	3773	240	245	5	37						
			-also a few minor epidote stringers	3774	245	250	5	27						
			-some leucoxenes noted (patchy)	3775	250	255	5	< 5						
			-fractures generally at high angle to core	3776	255	260	5	214						
			axis 60-70°	3777	260	265	5	55						
			-blocky broken fault zone from 240 - 241.25	3778	265	270	5	13						
			-slips at 232.5 (15° to C.A.), 255 (20° to C.A.)											
			-less than 1/2% pyrite in this section											
			-weak to moderate magnetic response											
			@ 270 - 290	3779	270	275	5	237						
			-still gabbro, no significant change from	3780	275	277.3	23	19						
			interval above, no significant quartz/carb	3781	277.3	279.5	2.2	10						
			stringers, a few rare epidote stringers, fractures	3782	279.5	285	5.5	27						
			at a high angle (70° to C.A.)	3783	285	290	5	7						

HOLE NO. JS-95-6	Pg 6

DRILLING COMPANY	COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED / DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)		LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE	DATE SUBMITTED	SUBMITTED BY SIGNATURE		(M)		PROPERTY NAME	
				(M)			
				(M)			

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	Au ppb	Pd ppb	Cu	Zn	Ag	Co	Ni
			-mafic dyke (small) from 277.3 - 279.5, that is											
			fine grained, various types of fragments in last											
			0.5' of dyke, sharp 90° to C.A. contact											
			-traces of pyrite in gabbro unit											
			-gabbro unit weakly magnetic											
			E.O.H. 290 FT.											
			Core stored in warehouse at Kirkland Lake											
			(Tom Obradovich Warehouse)											

ASSAYS + ppm

HOLE NO. JS-95-7 | Pg 1

DRILLING COMPANY	COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
FORAGE LAFRENIERE		N143° E	NQ CORE 659 FT	COLLAR	-55°	0 + 25ME 0 + 75 MN METRIC GRID ON SURFACE		512579

DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY	(M)	
Nov.19/95	Nov.20/95	Nov.21/95	J. K. Filo	300 FT	-54°

EXPLORATION CO. OWNER OR OPTIONEE	DATE SUBMITTED	SUBMITTED BY SIGNATURE	(M)	
OTIS J. EXPLORATION	[illegible]	[illegible]	600 FT	-53°

LOCATION (Tp., Lot, Con. OR Lot. and Long.): GRENFELL TWP.

PROPERTY NAME: JOHN SIROLA PROSPECT

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	Au ppb	Pd ppb	Cu	Zn	Ag	Co	Ni
0	3.5	CASING												
3.5	100	GABBRO	@ 3.5-40 *	3609	3.5	6	2.5	<5						
			-medium grained grey black colored unit, this	3610	6	10	4	<5						
			initial interval rich in ferro-magnesium minerals	3611	10	15	5	<5						
			(pyroxene), but still substantial plagioclase	3612	15	20	5	6						
			feldspar (20-30%)	3613	20	25	5	<5						
			-very minor pyrite disseminated locally throughout	3614	25	30	5	<5						
			interval (2% maximum)	3615	30	35	5	<5						
			-very localized minor patchy epidote mineralization	3616	35	40	5	<5						
			particularly from 20-22 feet	3617	40	45	5	<5						
			-no significant veining of any sort in this first interval	3618	45	50	5	<5						
			-unit extremely broken up & blocky from 1.5 - 25,											
			fracture orientation in this first 25' at 45° &											
			65° to C.A. generally											
			-slip noted at 15' (15° to C.A.) & 41.5 (10° to											
			C.A.)											
			-this interval strongly magnetic											

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	HOLE NO. JS-95-7	Pg 2
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			MAP REFERENCE NO.	CLAIM NO.
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
			SUBMITTED BY SIGNATURE		(M)			PROPERTY NAME	
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	Au ppb	Pd ppb	ASSAYS + Cu	Zn	Ag ppm	Co	Ni
			@ 40 - 90 still gabbro, medium grained and still	3619	50	55	5	<5						
			also a grey black color, some plagioclase but mainly	3620	55	60	5	10						
			ferro-mag minerals making up unit	3621	60	65	5	170						
			-still a competent section, fractures 45 & 60° to	3622	65	70	5	7						
			C.A. generally	3623	70	75	5	<5						
			-minor slips noted at 55.5 feet (15° to C.A.)	3624	75	80	5	19						
			-minor fault with slickenslides @62', 20° to C.A.	3625	80	85	5	8						
			-broken blocky fault zone with Fe oxide from	3626	85	90	5	18						
			63.75 - 64.5, contacts, 20° to C.A.											
			-locally there is some fine pyrite, overall 1%											
			pyrite											
			-very rare quartz/carb stringer and epidote											
			stringer											
			-minor fault at 86', 15° to C.A.											
			-unit in this interval, strongly magnetic											

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	HOLE NO. JS-95-7	Pg 3
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			MAP REFERENCE NO.	CLAIM NO.
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
			SUBMITTED BY SIGNATURE		(M)			PROPERTY NAME	
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	Au ppb	Pd ppb	ASSAYS + ppm Cu	Zn	Ag	Co	Ni
			@ 90 - 109.6	3627	90	95	5	8						
			-still a gabbro, slightly more leucocratic,	3628	95	100	5	10						
			more plagioclase than last or previously											
			described intervals											
			-a few rare quartz/carb stringers											
			-fair number of slips in this section, slickenslides											
			evident in some instances, slip at 92.5'(20° to											
			C.A.), 95' (45° to C.A.) and 97' (5° to C.A.)											
			-some minor disseminated pyrite and rare pyrite											
			stringer noted, overall perhaps 1% maximum											
			-this interval strongly magnetic											
100	109.6	MAFIC DYKE	-black mafic dyke with a variety of angular											
		(Kimberlite?)	fragments, very blocky and broken up, numerous											
			slips 15° to C.A., fractures 45° to C.A., also											
			unit is not magnetic											
			-upper contact & lower contact 45° to C.A.											

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	HOLE NO. JS-95-7	Pg 4
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			MAP REFERENCE NO.	CLAIM NO.
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
			SUBMITTED BY SIGNATURE		(M)			PROPERTY NAME	
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	Au ppb	Pd ppb	ASSAYS + Cu	Zn	Ag ppm	Co	Ni
109.6	622.5	GABBRO	@ 109.6 - 160	3629	109.6	115	5.4	<5						
			-still a gabbro unit that is still grey black in	3630	115	120	5	<5						
			color, but not as enriched in ferro-mag minerals	3631	120	125	5	<5						
			as the first part of this hole, this particular	3632	125	130	5	<5						
			interval has more plagioclase (40-45%)	3633	130	135	5	<5						
			-this interval is fairly blocky and broken up	3634	135	140	5	<5						
			with a fair number of slips and fractures, once	3635	140	145	5	<5						
			again distinct fracture sets noted, prominent	3636	145	150	5	<5						
			set at 60-70° to C.A. and a secondary set at	3637	150	155	5	17						
			45° to C.A.	3638	155	160	5	<5						
			-slip noted 137' (5° to C.A.), fault at 145 - 146',											
			broken, blocky, oxidized zone, 25° to C.A.											
			-some veining (quartz/carb) from 144-147 proximal											
			to fault, otherwise fairly minimal to non-existant											
			stringers in this interval											
			-pyrite fairly rare, perhaps 1-2% maximum overall											
			-overall unit strongly magnetic, less so near											
			fault zones											

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	HOLE NO. JS-95-7	Pg 5
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			MAP REFERENCE NO.	CLAIM NO.
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
			SUBMITTED BY SIGNATURE		(M)			PROPERTY NAME	
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	Au ppb	Pd ppb	ASSAYS + Cu	Zn	Ag ppm	Co	Ni
			@160 - 210											
			-this particular section of gabbro similar to											
			previously described interval, this section however	3639	160	165	5	<5						
			not as blocky, more competent looking, only a few	3640	165	170	5	7						
			fractures and slips	3641	170	175	5	12						
			-fractures generally at 65-70° to C.A.	3642	175	180	5	<5						
			-only one quartz/carb veinlet noted at 169.8	3643	180	185	5	<5						
			@ 80° to C.A. and few minor quartz/carb stringers	3644	185	190	5	36						
			(one or two) at shallow angle to C.A. (30° to C.A.)	3645	190	195	5	<5						
			-slips noted at 174.6 (15° to C.A.), 183, 185,	3646	195	200	5	<5						
			both 15 - 20° to C.A.	3647	200	205	5	5						
			-fault 5° to C.A. (194-196)	3648	205	210	5	<5						
			-minor epidote stringers noted, but these are rare											
			-very minor to non-existant pyrite											
			-overall this section is strongly magnetic											
			except for certain areas around faults and slips											
			talcose and non-magnetic											

HOLE NO. JS-95-7											Pg 6
DRILLING COMPANY	COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.			
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY	(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)				
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED		(M)							
			SUBMITTED BY SIGNATURE	(M)			PROPERTY NAME				
				(M)							

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	Au ppb	Pd ppb	Cu	Zn	Ag (ppm)	Co	Ni
			@ 210-250	3649	210	215	5	<5						
			-still a gabbroic unit that is coarse grained,	3650	215	220	5	6						
			still a substantial amount of plagioclase (40%)	3651	220	225	5	<5						
			leucocratic gabbro	3652	225	230	5	<5						
			-fairly blocky from 235-250 with numerous faults	3653	230	235	5	<5						
			and slips, generally fractures oriented at a	3654	235	240	5	<5						
			high angle to C.A. (70°)	3655	240	245	5	12						
			-slips at 231.7 (20° to C.A.), 237.5 (10° to C.A.)	3656	245	250	5	6						
			-minor fault, blocky broken zone, minor gouge and											
			hornfels at 241 to 241.5, upper contact 35° to											
			C.A., lower contact ground											
			-slip at 242', again 15° to C.A.											
			-entire interval contains a few very minor quartz											
			carb stringers and a few rare epidote stringers											
			-once again sulphide content (pyrite) minimal											
			1-2% maximum											

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	HOLE NO. JS-95-7	Pg 7
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			MAP REFERENCE NO.	CLAIM NO.
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
			SUBMITTED BY SIGNATURE		(M)			PROPERTY NAME	
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	Au ppb	Pd ppb	ASSAYS + Cu	Zn	Ag ppm	Co	Ni
			@ 250 - 290	3657	250	255	5	<5						
			-still a medium to coarse grained gabbro	3658	255	260	5	<5						
			(leucocratic) with 40% plagioclase and substantial	3659	260	265	5	<5						
			ferro-magnesium minerals (pyroxene?) as well	3660	265	270	5	<5						
			-this section is a very competent interval with	3661	270	275	5	<5						
			a minimal fracturing and a few minor slips and	3662	275	280	5	<5						
			and faults	3663	280	285	5	8						
			-fracturing noted in two principal sets, one at	3664	285	290	5	<5						
			45° to C.A. and a second at 70° to C.A.											
			-slip @268.5 (25° to C.A.)											
			-fault? at 273.1 - 275. blocky broken zone with a											
			few minor quartz/carb veinlets basically only											
			veinlets in interval											
			-local fine pyrite in this unit (1/2 - 1%)											
			overall											
			-from 275-290 a few minor epidote stringers at											
			various orientations											
			-this unit overall considered to be strongly											
			magnetic											

																						HOLE NO. JS-95-7			Pg 8
DRILLING COMPANY			COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH		TOTAL	DIP OF HOLE AT COLLAR			LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM						MAP REFERENCE NO.			CLAIM NO.					
DATE HOLE STARTED		DATE COMPLETED	DATE LOGGED	LOGGED BY			(M)									LOCATION (Tp., Lot, Con. OR Lot. and Long.)								
EXPLORATION CO. OWNER OR OPTIONEE			DATE SUBMITTED				(M)																	
				SUBMITTED BY SIGNATURE			(M)									PROPERTY NAME								
							(M)																	
FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.							NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	Au ppb	Pd ppb	ASSAYS + ppm Cu	Zn	Ag	Co	Ni				
			@ 290 - 340							3665	290	295	5	<5										
			-this is a section coarse grained to medium							3666	295	300	5	<5										
			grained gabbro, once again with a substantial							3667	300	305	5	<5										
			plagioclase component, this gives the unit a							3668	305	310	5	11										
			leucocratic appearance to some extent							3669	310	315	5	<5										
			-particularly competent section of gabbro, very							3670	315	320	5	<5										
			minimal amount of fracturing and only a few slips,							3671	320	325	5	8										
			fractures that are present are at 45° to C.A.							3672	325	330	5	<5										
			-slips noted at 296', 298', both 20° to C.A.,							3673	330	335	5	8										
			304.7' (20° to C.A.)							3674	335	340	5	<5										
			-slip or fault 320.7 with slickenslides, healed																					
			by vein, 25° to C.A., similarly long slip almost																					
			parallel to C.A. from 330-332																					
			-no quartz/carb or quartz veins in this section,																					
			a few minor epidote stringers (very minimal) and																					
			locally some pervasive epidote alteration from																					
			322.5-325'																					
			-a few feldspar porphyritic dykes and stringers																					

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	HOLE NO. JS-95-7	Pg 9
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			MAP REFERENCE NO.	CLAIM NO.
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY SIGNATURE		(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
					(M)			PROPERTY NAME	
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	Au ppb	Pd ppb	ASSAYS + ppm Cu	Zn	Ag	Co	Ni
			one at 321.5 - 322.5 parallel to C.A. & a second											
			at 333.5 (45° to C.A.) & 336.5 (45° to C.A.)											
			-minor disseminated pyrite 1-2%	3675	340	345	5	9						
			-moderately magnetic	3676	345	350	5	<5						
				3677	350	355	5	6						
			- @ 340 - 380	3678	355	360	5	7						
			-no significant change from interval just	3679	360	365	5	23						
			described previously	3680	365	370	5	492						
			-still only a few fractures and slips, very	3681	370	375	5	11						
			competent interval, a few minor epidote stringers,	3682	375	380	5	166						
			local patchy epidote alteration (rare) usually											
			proximal to fractures											
			-a few tiny 1/2"-1" porphyry (feldspar) dykes at											
			344.65 (45° to C.A.) and 373.1 (45° to C.A.)											
			-fractures in this interval 45° to C.A.											
			-slips noted at 349.7 (50° to C.A.), 365-366											
			(4° to C.A.). 376.5-378 (5° to C.A.)											
			-1/2%-1% pyrite noted											
			-moderately magnetic											

HOLE NO. JS-95-7 Pg 10

DRILLING COMPANY	COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.

DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY	(M)

LOCATION (Tp., Lot, Con. OR Lot. and Long.)

EXPLORATION CO. OWNER OR OPTIONEE	DATE SUBMITTED	SUBMITTED BY SIGNATURE	(M)	(M)	(M)

PROPERTY NAME

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	Au ppb	Au G/T	Cu	Zn	ASSAYS + ppm Ag	Co	Ni
			@ 380 - 430											
			-from 380 - 430 still gabbro medium to coarse	3683	380	385	5	<5						
			grained, substantial plagioclase component (40%)	3684	385	390	5	8						
			-a fair amount of fracturing and a few slips,	3685	390	395	5	<5						
			but still competent, fracture at 40-45° & 65-70°	3686	395	400	5	11						
			to C.A. generally (two sets of fractures)	3687	400	405	5	<5						
			-slip @ 430, 15° to C.A.	3688	405	410	5	<5						
			-a few minor epidote stringers (sparse) noted in	3689	410	415	5	<5						
			this interval, various orientations	3690	415	420	5	<5						
			-one section from 410-420 with quartz/carb	3691	420	425	5	24						
			stringers 45° to C.A., 3-4% of this 10 foot	3692	425	430	5	6						
			section	3693	430	435	5	95						
			-minor pyrite 1/2-1% maximum overall	3694	435	439	4	<5						
			-strongly magnetic unit	3695	439	441	2	<5						
				3696	441	445	4	<5						
			@ 430 - 480	3697	445	450	5	6						
			-still a gabbro unit, becomes more enriched in	3698	450	455	5	13						
			ferro-magnesium minerals and less plagioclase	3699	455	460	5	15						
				3700	460	465	5	2852	2.31					

*NOTE: VALUES IN GRAMS/TONS, SEPERATE CHECK ASSAYS

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	HOLE NO. JS-95-7	Pg 11
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			MAP REFERENCE NO.	CLAIM NO.
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
			SUBMITTED BY SIGNATURE		(M)			PROPERTY NAME	
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	Au ppb	Pd ppb	ASSAYS + Cu	Zn	ppm Ag	Co	Ni
			relative to previous sections above, still 25-30% plagioclase component	3701	465	470	5	143						
			-some epidote stringers in this interval, these range from 15-20% to C.A. to 65-70° to C.A., in this section, however there are a minimal number of them	3702	470	475	5	58						
				3703	475	480	5	209						
			-also some minor patchy epidote											
			-overall interval contains perhaps 1/2 - 1% quartz/carb stringers, but from 439 - 445 there is perhaps 3 - 4% quartz/carb stringers associated with a blocky broken section of core and some local patchy pervasive epidote alteration											
			-slip 439' (10° to C.A.), slip 454' (15° to C.A.), also slip at 451.5' (25° to C.A.)											
			-very minor pyrite in this interval 1/2 - 1%											
			-variable response to magnet weak to strong											

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	HOLE NO. JS-95-7	Pg 12
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		(M)			MAP REFERENCE NO.	CLAIM NO.
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED			(M)			LOCATION(Tp., Lot, Con. OR Lot. and Long.)	
			SUBMITTED BY SIGNATURE		(M)			PROPERTY NAME	
					(M)				

FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	Au ppb	Au G/T	ASSAYS + Cu	Zn	ppm Ag	Co	Ni
			@ 480 - 520	3704	480	485	5	531	0.46					
			-still gabbro with a plagioclase content of	3705	485	490	5	184						
			25 - 30%, darker gabbroic unit than previous	3706	490	495	5	1045	0.87					
			intervals	3707	495	500	5	95						
			-fairly competent interval with a minimal number	3708	500	505	5	25						
			of fractures and slips	3709	505	510	5	154						
			-once again fractures at 45 & 70°, two sets	3710	510	515	5	73						
			-slips noted at 494.5 (25° to C.A.), 497 - 498	3711	515	520	5	7						
			(5° to C.A.)											
			-at 511', slip at 10° to C.A.											
			-a few minor epidote stringers at various											
			orientations, also some patchy epidote generally											
			associated with fractures (localized)											
			-one or two tiny rare quartz/carb and smoky grey											
			quartz stringers noted											
			-pyrite content low once again 1/2 - 1%											
			-weak to non-existant response to magnet in this											
			interval											

*NOTE: VALUES IN GRAMS/TON, SEPERATE CHECK ASSAYS

														HOLE NO. JS-95-7									Pg 13
DRILLING COMPANY			COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH		TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM				MAP REFERENCE NO.		CLAIM NO.							
DATE HOLE STARTED	DATE COMPLETED		DATE LOGGED	LOGGED BY			(M)						LOCATION (Tp., Lot, Con. OR Lot. and Long.)									
EXPLORATION CO. OWNER OR OPTIONEE			DATE SUBMITTED				(M)															
				SUBMITTED BY SIGNATURE			(M)						PROPERTY NAME									
							(M)															
FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.						NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	Au ppb	Pd ppb	ASSAYS + ppm Cu	Zn	Ag	Co	Ni			
			@ 520 - 560																			
			-once again a gabbro unit, medium grained																			
			plagioclase content (25-30%) dark looking unit																			
			fairly rich in ferro-magnesium minerals						3712	520	525	5	197									
			-competent interval with some fracturing and a						3713	525	530	5	19									
			few slips						3714	530	535	5	174									
			-one or two quartz/carb stringers (rare)						3715	535	540	5	12									
			-also a few minor epidote stringers at 45° & 70°						3716	540	545	5	86									
			to C.A.						3717	545	550	5	14									
			-sparse pyrite in this section 1%						3718	550	555	5	69									
			-slips at 526 feet (15° to C.A.), 555' (45° to C.A.)						3719	555	560	5	157									
			-weak to moderate magnetic response																			
			@ 560 - 600						3720	560	565	5	95									
			-still a gabbro unit, medium grained unit similar						3721	565	570	5	302									
			to previous interval above						3722	570	575	5	135									
			-this section has an increase in epidote stringers						3723	575	580	5	92									
			and these probably make up 1 - 2% of						3724	580	585	5	273									

																	HOLE NO. JS-95-7						Pg 14
DRILLING COMPANY			COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH		TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM				MAP REFERENCE NO.		CLAIM NO.							
DATE HOLE STARTED	DATE COMPLETED		DATE LOGGED	LOGGED BY			(M)						LOCATION (Tp., Lot, Con. OR Lot. and Long.)									
EXPLORATION CO. OWNER OR OPTIONEE			DATE SUBMITTED				(M)															
				SUBMITTED BY SIGNATURE			(M)						PROPERTY NAME									
							(M)															
FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.						NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	Au ppb	Pd ppb	ASSAYS + Cu	Zn	ppm Ag	Co	Ni			
			interval						3725	585	590	5	71									
			-also quartz and quartz/carbonate stringers now						3726	590	595	5	84									
			make up 4% of unit, perhaps at 50:50 proportions						3727	595	600	5	254									
			-distinct increase in veining, associated with																			
			some bleaching and alteration from 575 - 590																			
			-from 590 - 600 basically just gabbro with only																			
			minimal epidote stringers, no alteration or																			
			significant veining																			
			-fractures from 560 - 600 generally oriented																			
			60 - 70° to C.A.																			
			-slips noted at 563' (45° to C.A.), 591' (20° to																			
			C.A.)																			
			-moderately magnetic section, but interval from																			
			575 - 590																			

													HOLE NO. JS-95-7										Pg 15
DRILLING COMPANY			COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH		TOTAL	DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM			MAP REFERENCE NO.		CLAIM NO.								
DATE HOLE STARTED	DATE COMPLETED		DATE LOGGED	LOGGED BY			(M)					LOCATION (Tp., Lot, Con. OR Lot. and Long.)										
EXPLORATION CO. OWNER OR OPTIONEE			DATE SUBMITTED				(M)															
				SUBMITTED BY SIGNATURE			(M)					PROPERTY NAME										
							(M)															
FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.						NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	Au ppb	Pd ppb	ASSAYS + ppm Cu	Zn	Ag	Co	Ni			
			@ 600 - 622.5						3728	600	602.4	2.4	74									
			-this section still gabbroic, but increase in						3729	602.4	605.8	3.4	41									
			plagioclase content (35-40%)						3730	605.8	607.6	1.8	39									
			-major broken blocky section, possible fault						3731	607.6	608.6	1.0	319									
			-from 601 - 602.4, beyond 602.4 - 610 lots of						3732	608.6	610	1.4	635									
			quartz vein material with local fine sulphide						3733	610	615	5	1160									
			(60%) of remaining 7.6' quartz						3734	615	620	5	<5									
			-epidote stringers rare in this interval						3735	620	622.5	2.5	11									
			-minimal number of fractures, these are at a																			
			steep angle to core axis generally 60 - 70 degrees																			
			-slip noted at 616.3 (25° to C.A.)																			
			gabbroic section contains only traces of pyrite																			
			-weak to non-magnetic interval																			
			-lower contact sharp, 45° to C.A.																			

																HOLE NO. JS-95-7								Pg 16
DRILLING COMPANY			COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH		TOTAL		DIP OF HOLE AT COLLAR		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM			MAP REFERENCE NO.		CLAIM NO.								
DATE HOLE STARTED	DATE COMPLETED		DATE LOGGED	LOGGED BY				(M)					LOCATION (Tp., Lot, Con. OR Lot. and Long.)										
EXPLORATION CO. OWNER OR OPTIONEE			DATE SUBMITTED					(M)															
				SUBMITTED BY SIGNATURE				(M)					PROPERTY NAME										
								(M)															
FOOTAGE (M) FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.							NO.	SAMPLE FOOTAGE FROM (M)	TO	SAMPLE (M) LENGTH	Au ppb	Pd ppb	ASSAYS + Cu	Zn	ppm Ag	Co	Ni				
622.5	639.2	FELSIC INTRUSIVE	- Massive fine grained pinkish (hematitic?)							3736	622.5	625	2.5	10										
			unit, greyish color towards contact							3737	625	630	5	17										
			-very minor pyrite on occasional fracture plane,							3738	630	635	5	44										
			fractures 45° to C.A.							3739	635	639.2	4.2	10										
			-occasional epidote stringers in this section																					
			-lower contact sharp 70° to C.A.																					
639.2	659	GABBRO	@ 639.2 - 659							3740	639.2	640.6	1.4	8										
			-last 20 feet of this hole is a medium to coarse							3741	640.6	645	4.4	42										
			grained gabbro once again slightly lighter in							3742	645	650	5	804										
			color due to plagioclase feldspar content (40%)							3743	650	655	5	398										
			-some minor quartz veining particularly in the							3744	655	659	4	393										
			first 1 foot interval of unit																					
			-minor fault @ 651.8 - 652.8. 5° to C.A.																					
			-some pervasive epidote alteration in last foot																					
			of hole with a few tiny smoky grey quartz																					
			stringer																					
			-very minor local magnetic attraction																					

E.O.H. 659 FT.

*Core stored at Tom Obradovich's warehouse in Kirkland Lake, Ontario.

Ontario

Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use)
W9780.00158
Assessment Files Research Imaging

SDN: SIROLA Grenfell

Personal information c
Mining Act, the informa
Questions about this
933 Ramsey Lake Roa

42A01NE0247 2.17139 GRENFELL

900

i6(3) of the Mining Act. Under section 8 of the
rk and correspond with the mining land holder.
orthern Development and Mines, 6th Floor,

2.17139

Instructions: - For work performed on Crown Lands before **recording** a claim, use form 0240.
- Please type or print in ink.

1. Recorded holder(s) (Attach a list if necessary)

Name: John and Gladys Sirola	Client Number: 194831 / 194824
Address: RR#1	Telephone Number: (705) 679-8637
COBALT, Ontario P0J 1C0	Fax Number:
Name:	Client Number:
Address:	Telephone Number:
	Fax Number:

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

☑ Geotechnical: prospecting, surveys, assays and work under section 18 (regs) ☐ Physical: drilling, stripping, trenching and associated assays ☐ Rehabilitation

		Office Use
Work Type: Geology And Diamond drilling (ASSAYS)(GeoL)(PDRILL)		Commodity
		Total $ Value of Work Claimed: $61,525
Dates Work Performed: From 03 (Day) 10 (Month) 95 (Year) To 21 (Day) 11 (Month) 95 (Year)		NTS Reference
Global Positioning System Data (if available)	Township/Area: Grenfell	Mining Division: Larder Lake
	M or G-Plan Number: G-3212	Resident Geologist District: K. Lake

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required;
- provide proper notice to surface rights holders before starting work;
- complete and attach a Statement of Costs, form 0212;
- provide a map showing contiguous mining lands that are linked for assigning work;
- include two copies of your technical report.

3. Person or companies who prepared the technical report (Attach a list if necessary)

Name: Kevin Filo	Telephone Number: (705) 268-9045
Address: 535 Bartleman, Timmins, Ontario P4N 4K2	Fax Number: (705) 264-9977
Name:	Telephone Number:
Address:	Fax Number:
Name:	Telephone Number:
Address:	Fax Number:

RECEIVED
MAR 10 1997
MINING LANDS BRANCH

4. Certification by Recorded Holder or Agent

I, Tom Obradovich (Print Name), do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent: Tom Obradovich		Date: March 06/97
Agent's Address: P.O. Box 1146, Kirkland Lake, Ont P2N 3M7	Telephone Number: (705) 567-6883	Fax Number: (705) 567-6873

5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

	Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	**Number of Claim Units.** For other mining land, list hectares.	**Value of work performed** on this claim or other mining land.	**Value of work applied** to this claim.	**Value of work assigned** to other mining claims.	**Bank.** Value of work to be distributed at a future date.
eg	TB 7827	16 ha	$26, 825	N/A	$24,000	$2,825
eg	1234567	12	0	$24,000	0	0
eg	1234568	2	$ 8, 892	$ 4,000	0	$4,892
1	(L-522579) G-8000579 *	15.985ha	$55525	—	19,600 ~~$25,600~~ T.O.	35, 925
2	(L522689) G-8000581	39.78ha	6000	—	6,000	—
3	L-893499	1		$ 800		
4	893500	1		800		
5	893501	1		800		
6	893502	1		800		
7	893503	1		800		
8	893504	1		800		
9	893505	1		800		
10	893506	1		800		
11	893507	1		800		
12	893508	1		800		
13	893509	1		800		
14	893510	1		800		
15	893511	1		800		
		Column Totals	$61525	$10,400		

2,121.59

I, Tom Obradovich (Print Full Name), do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing: T Obradovich — Date: March 06, 1997

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- ☑ 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- ☐ 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- ☐ 3. Credits are to be cut back equally over all claims listed in this declaration; or
- ☐ 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

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MAR 10 1997
MINING LAND BRANCH

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp

Deemed Approved Date: June 4/97 — Date Notification Sent:

Date Approved: — Total Value of Credit Approved:

Approved for Recording by Mining Recorder (Signature): acting Linda Pourant

0241 (02/96)

Ontario | Ministère du Développement du Nord et des Mines

Annexe de la Déclaration d'exécution de travaux d'evaluation sur des terrains miniers

W9780.00158

SON: SIROLA GRENFELL

2.17139

Numéro de claim. Si les travaux ont été exécutés sur d'autres terrains miniers admissibles, indiquez dans cette colonne le numéro d'emplacement figurant sur la carte des claims.		Nombre d'unités Pour les autres terrains miniers, indiquez le nombre d'hectares.	Valeur des travaux exécutés sur ce claim ou sur d'autres terrains miniers	Valeur des travaux appliquée à ce claim	Valeur des travaux affectée à d'autres claims	Réserve. Valeur des travaux qui seront répartis à une date ultérieure.
16	L-893512	1	—	$800		
17	893513	1	—	800		
18	893514	1	—	800		
19	893515	1	—	800		
20	893516	1	—	800		
21	893517	1	—	800		
22	893518	1	—	800		
23	892150	1	—	800		
24	892151	1	—	800		
25	1211414	10	—	8000		
		Total des colonnes	$61525	$25,600	$25,600	$35,925

This Report was not date stamped received from the R/o I assumed the date was March 06 /97

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MAR 10 1997
MINING LANDS BRANCH

0290F (04/96)

Ministry of Northern Development and Mines

Ontario

Ministère du Développement du Nord et des mines

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction
W9780.00158
SIRDLA GRENFELL.

Personal information collected on this form is obtained under the authority of the **Mining Act**. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la **Loi sur les mines** et serviront à tenir à jour un registre des concessions minières. Adresser toute quesiton sur la collece de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		
	Field Supervision Supervision sur le terrain		
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type (953 meters) Diamond Drill	39,778.87	
	Report Writing		
	and Drafting	2,496.78	
~~**Supplies Used Fournitures utilisées**~~	Type Core logging and		
	Drill hole Spotting	6263.18	
	Geology Mapping	1904.60	
	Assays (578)	6711.42	—
Equipment Rental Location de matériel	Type		
			—
	Total Direct Costs Total des coûts directs		60224.85

2. Indirect Costs/Coûts indirects

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

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type Truck (26 x 850)	1300.00	
			$1300.00
Food and Lodging Nourriture et hébergement			
Mobilization and Demobilization Mobilisation et démobilisation			
	Sub Total of Indirect Costs Total partiel des coûts indirects		1300.00
	Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)		12044.97
	Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs) / **Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)**		61524.85

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

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

Filing Discounts

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

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

Total Value of Assessment Credit	Total Assessment Claimed
× 0.50 =	

Remises pour dépôt

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

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

Valeur totale du crédit d'évaluation	Évaluation totale demandée
× 0,50 =	

Certification Verifying Statement of Costs

I hereby certify:
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

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

to make this certification

Attestation de l'état des coûts

J'atteste par la présente :
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

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

à faire cette attestation.

Signature	Date
Obradovich	March 06/97

0212 (04/91)

Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.

Ontario Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use)
W9780.00158
Assessment Files Research Imaging

SDN: SIROLA Grenfell

Personal information collected on this form is obtained under the authority of subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

2.17139

Instructions: - For work performed on Crown Lands before **recording** a claim, use form 0240.
- Please type or print in ink.

1. Recorded holder(s) (Attach a list if necessary)

Name	Client Number
John and Gladys Sirola	194831 / 194824
Address: RR#1	Telephone Number: (705) 679-8637
COBALT, Ontario, P0J 1C0	Fax Number
Name	Client Number
Address	Telephone Number
	Fax Number

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

☑ Geotechnical: prospecting, surveys, assays and work under section 18 (regs) ☐ Physical: drilling, stripping, trenching and associated assays ☐ Rehabilitation

Work Type	Office Use
Geology And Diamond drilling (ASSAYS)(GeoL)(PDRILL)	Commodity
Dates Work Performed: From 03 (Day) 10 (Month) 95 (Year) To 21 (Day) 11 (Month) 95 (Year)	Total $ Value of Work Claimed: $61,525
Global Positioning System Data (if available)	NTS Reference
Township/Area: Grenfell	Mining Division: Larder Lake
M or G-Plan Number: G-3212	Resident Geologist District: K. Lake

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required;
- provide proper notice to surface rights holders before starting work;
- complete and attach a Statement of Costs, form 0212;
- provide a map showing contiguous mining lands that are linked for assigning work;
- include two copies of your technical report.

3. Person or companies who prepared the technical report (Attach a list if necessary)

Name	Telephone Number
Kevin Filo	(705) 268-9045
Address: 535 Bartleman, Timmins, Ontario P4N4K2	Fax Number: (705) 264-9977
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number

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MINING LANDS BRANCH

4. Certification by Recorded Holder or Agent

I, Tom Obradovich (Print Name), do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent		Date
Tom Obradovich		March 06/97
Agent's Address	Telephone Number	Fax Number
P.O. Box 1146, Kirkland Lake, Ont P2N3H7	(705) 567-6883	(705) 567-68

0241 (02/96)

Doomed - Quest 11 197

5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

	Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	**Number of Claim Units.** For other mining land, list hectares.	**Value of work performed** on this claim or other mining land.	**Value of work applied** to this claim.	**Value of work assigned** to other mining claims.	**Bank.** Value of work to be distributed at a future date.
eg	TB 7827	16 ha	$26, 825	N/A	$24,000	$2,825
eg	1234567	12	0	$24,000	0	0
eg	1234568	2	$ 8, 892	$ 4,000	0	$4,892
1	(L-522579) G-8000579 *	15.985ha	$55525	—	19,600 $~~25,600~~ T.O.	35,925
2	(L522689) G-8000581	39.78ha	6000	—	6,000	—
3	L-893499	1		$ 800		
4	893500	1		800		
5	893501	1		800		
6	893502	1		800		
7	893503	1		800		
8	893504	1		800		
9	893505	1		800		
10	893506	1		800		
11	893507	1		800		
12	893508	1		800		
13	893509	1		800		
14	893510	1		800		
15	893511	1		800		
		Column Totals	$61525	$10,400		

2.1259

I, Tom Obradovich (Print Full Name), do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing: T Obradovich — Date: March 06, 1997

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- ☑ 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- ☐ 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- ☐ 3. Credits are to be cut back equally over all claims listed in this declaration; or
- ☐ 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

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MAR 10 1997
MINING LANDS BRANCH

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp

Deemed Approved Date	Date Notification Sent
June 4/97	
Date Approved	**Total Value of Credit Approved**
acting	
Approved for Recording by Mining Recorder (Signature)	
Linda Lamont	

0241 (02/96)

Ontario Développement du Nord et des Mines

d'exécution de travaux d'evaluation sur des terrains miniers

W9780.00158

SDN: SIROLA GRENFELL

2.17139

Numéro de claim. Si les travaux ont été exécutés sur d'autres terrains miniers admissibles, indiquez dans cette colonne le numéro d'emplacement figurant sur la carte des claims.		Nombre d'unités Pour les autres terrains miniers, indiquez le nombre d'hectares.	Valeur des travaux exécutés sur ce claim ou sur d'autres terrains miniers	Valeur des travaux appliquée à ce claim	Valeur des travaux affectée à d'autres claims	Réserve. Valeur des travaux qui seront répartis à une date ultérieure.
16	L-893512	1	—	$800		
17	893513	1	—	800		
18	893514	1	—	800		
19	893515	1	—	800		
20	893516	1	—	800		
21	893517	1	—	800		
22	893518	1	—	800		
23	892150	1	—	800		
24	892151	1	—	800		
25	1211414	10	—	8000		
		Total des colonnes	$61525	$25,600	$25,600	$35,925

This Report was not date stamped received from the R/O. I assumed the date was March 06 /97

RECEIVED
MAR 10 1997
MINING LANDS BRANCH

0290F (04/96)

Ministry of Northern Development and Mines

Ontario

Ministère du Développement du Nord et des mines

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction: W9780.00158

SIRDLA GRENFELL

Personal information collected on this form is obtained under the authority of the **Mining Act**. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la **Loi sur les mines** et serviront à tenir à jour un registre des concessions minières. Adresser toute quesiton sur la collece de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		
	Field Supervision Supervision sur le terrain		
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type (953 meters) Diamond Drill	39,778.87	
	Report Writing		
	and Drafting	2,496.78	
~~Supplies Used~~ Fournitures utilisées	~~Type~~ Core logging and		
	Drill hole Spotting	626.3.18	
	Geology Mapping	1904.60	
	Assays (578)	6711.42	
Equipment Rental Location de matériel	Type		
	Total Direct Costs Total des coûts directs		60224.85

2. Indirect Costs/Coûts indirects

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

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type Truck (26 x 8 50)	1300.00	
			$1300.00
Food and Lodging Nourriture et hébergement			
Mobilization and Demobilization Mobilisation et démobilisation			
	Sub Total of Indirect Costs Total partiel des coûts indirects		1300.00
	Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)		12044.97
	Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs) / **Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)**		61524.85

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

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

Filing Discounts

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

Total Value of Assessment Credit	Total Assessment Claimed
× 0.50 =	

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Évaluation totale demandée
× 0,50 =	

Certification Verifying Statement of Costs

I hereby certify:
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

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

to make this certification

Attestation de l'état des coûts

J'atteste par la présente :
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

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

à faire cette attestation.

Signature	Date
T. Obradovich	March 06/97

0212 (04/91)

Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (705) 670-5853
Fax: (705) 670-5863

May 23, 1997

Roy Spooner
Mining Recorder
4 Government Road East
Kirkland Lake, ON
P2N 1A2

Dear Sir or Madam:

Submission Number: 2.17139

Subject: Transaction Number(s):		Status
	W9780.00158	Approval

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

NOTE: This correspondence may affect the status of your mining lands. Please contact the Mining Recorder to determine the available options and the status of your claims.

If you have any questions regarding this correspondence, please contact Steve Beneteau by e-mail at beneteau_s@torv05.ndm.gov.on.ca or by telephone at (705) 670-5855.

Yours sincerely,

ORIGINAL SIGNED BY
Ron C. Gashinski
Senior Manager, Mining Lands Section
Mines and Minerals Division

Correspondence ID: 10870
Copy for: Assessment Office

Work Report Assessment Results

Submission Number: 2.17139

Date Correspondence Sent: May 23, 1997 **Assessor:** Steve Beneteau

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9780.00158	512579	GRENFELL	Approval	May 22, 1997

Section:
10 Physical PDRILL

Correspondence to:

Mining Recorder
Kirkland Lake, ON

Resident Geologist
Kirkland Lake, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):

Tom Obradovich
KIRKLAND LAKE, ONTARIO

JOHN SIROLA
COBALT, ONTARIO

GLADYS SIROLA
COBALT, Ontario

Correspondence ID: 10870

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (705) 670-5853
Fax: (705) 670-5863

May 23, 1997

Roy Spooner
Mining Recorder
4 Government Road East
Kirkland Lake, ON
P2N 1A2

Dear Sir or Madam:

Submission Number: 2.17139

Subject: Transaction Number(s):	W9780.00158	Status Approval

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

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Yours sincerely,



ORIGINAL SIGNED BY
Ron C. Gashinski
Senior Manager, Mining Lands Section
Mines and Minerals Division

Correspondence ID: 10870
Copy for: Assessment Library

Work Report Assessment Results

Submission Number: 2.17139

Date Correspondence Sent: May 23, 1997 **Assessor:** Steve Beneteau

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9780.00158	512579	GRENFELL	Approval	May 22, 1997

Section:

10 Physical PDRILL

Correspondence to:

Mining Recorder
Kirkland Lake, ON

Resident Geologist
Kirkland Lake, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):

Tom Obradovich
KIRKLAND LAKE, ONTARIO

JOHN SIROLA
COBALT, ONTARIO

GLADYS SIROLA
COBALT, Ontario

Correspondence ID: 10870

42A01NE0247 2.17139 GRENFELL
200

Ontario
Ministry of Natural Resources
Ministry of Northern Development and Mines

INDEX TO LAND DISPOSITION

PLAN
G-3212

TOWNSHIP
GRENFELL

2.17139
M.N.R. ADMINISTRATIVE DISTRICT
KIRKLAND LAKE
MINING DIVISION
LARDER LAKE
LAND TITLES/REGISTRY DIVISION
TIMISKAMING

Scale 1:20 000

1000 Metres 0 1000 2000 Metres

1000 Feet 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 Feet

Contour Interval 10 Metres

SYMBOLS

- Boundary
  - Township, Meridian, Baseline
  - Road allowance; surveyed
    - shoreline
  - Lot/Concession; surveyed
    - unsurveyed
  - Parcel; surveyed
    - unsurveyed
  - Right-of-way; road
    - railway
    - utility
  - Reservation
- Cliff, Pit, Pile
- Contour (20)
  - Interpolated
  - Approximate
  - Depression
- Control point (horizontal)
- Flooded land
- Mine head frame
- Pipeline (above ground)
- Railway; single track
  - double track
  - abandoned
- Road; highway, county, township
  - access
  - trail, bush
- Shoreline (original)
- Transmission line
- Wooded area

DISPOSITION OF CROWN LANDS

- Patent
  - Surface & Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- Lease
  - Surface & Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- Licence of Occupation
- Order-in-Council (OC)
- Cancelled
- Reservation (R)
- Sand & Gravel (P)

AREAS WITHDRAWN FROM DISPOSITION

MRO - Mining Rights Only
SRO - Surface Rights Only
M+S - Mining and Surface Rights

Description	Order No.	Date	Disposition	File

SAND AND GRAVEL
(P) GRAVEL FILE 127536
(P) GRAVEL FILE 127784
(P) M.T.C. GRAVEL PIT
(P) GRAVEL FILE 64647

PENDING APPLICATION FOR SURFACE RIGHTS UNDER THE PUBLIC LANDS ACT

(PL)

(PL) TCPL (PIPELINE) APPLICATION FOR RIGHT OF WAY

(SRO)

Surface Rights Withdrawn under Sec. 36, The Mining Act R.S.O. 1980, ORDER NO. W-01/91/ONT (Trans Canada Pipeline Right of Way and Buffer Zone particularly 40.25 meters or 132 ft. on either side of centre line of right of way)

(R2) SURFACE AND MINING RIGHTS WITHDRAWN FROM PROSPECTING, STAKING OUT, SALE OR LEASE SECTION, THE MINING ACT, RSO 1990 W-L-19196 NER

NOTES

ALL ISLANDS IN SESEKINIKA LAKE ARE WITHDRAWN FROM STAKING BY ORDEN-IN-COUNCIL DATE DECEMBER 7, 1921

NOTICE OF FORESTRY ACTIVITY
THIS TOWNSHIP/AREA FALLS WITHIN THE TIMISKAMING MANAGEMENT UNIT AND MAY BE SUBJECET TO FORESTRY OPERATIONS. THE MNR UNIT FORESTER FOR THIS AREA CAN BE CONTACTED AT: P.O. BOX 129
, SWASTIKA, ONTARIO
P0K-1T0
705-642-3222

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

ARCHIVED JUNE 12, 1996

CIRCULATED AUG. 11, 1992 B.R.B.
~~ARCHIVED DECEMBER 12, 1994~~
~~ARCHIVED ON JUNE 01/96~~

Map base and land disposition drafting by Surveys and Mapping Branch, Ministry of Natural Resources.

The disposition of land, location of lot fabric and parcel boundaries on this index was compiled for administrative purposes only.

G-3212
GRENFELL TWP

SEDEX MINING CORP.

1996 DRILL PROGRAM

TITLE: **SIROLA PROSPECT**

Geology Map
Showing Grid and Claims

Fig. #2A

SCALE: 1:1000 | DATE: November 10, 1996

25m 0 50m

LINE 3W | LINE 2W | LINE 1W | LINE 0 | LINE 1E | LINE 2E

300 N | 200 N | 100 N | BL 0 (AZ 55°) | 100 S | 200 S

GRID NORTH 35° TRUE

522691 | 522690 | 522689 | 512579 | 522693 | 522688

2.17139

MINE ROAD

SHEA VEIN STRUCTURE EXTENSION?

SHEA VEIN STRUCTURE

VISIBLE GOLD

1A,LEU

1B,LEU,EP

1A,BGP

1B,BGP,PY,ES

1B,LEU,EP

1C–1B,LEU TRACE PY, MINOR BGP

1A–1B

1A–1B,BGP

1A,PY,MAG

1A,BGP,PY

1A,LEU; BGP,EP,MAG

1B,LEU,EP,QS

1B,BGP

1A,BGP,EP

1A,BGP, EP

1A,BGP, EP,QS

1A,EP

1A,MAG

1B,LEU

1A,BGP,EP

1B–1C,PY

1A,ES,TRACE PY

1A,1B,EP,MINOR PY

1A,1B

1B,BGP,BGS MINOR PY

1A,BGP,EP

1A,BGP,EP

1A,BGP,EP

1A,BGP

1A,BGP,BGS

1A,PY(MINOR)

1B,LEU, PY 1/2–1%

1B,PY

1A,MINOR BGP

1B,RARE BGP&BGS

1B,RARE BGP & BGS

1B–1C,PY

2A (PINK FEL.STR)

2C, (N.TOPS?)

1B,BGP

1B,1C,LEU BGP

1B,1C,LEU BGP

1A,LEU,BGS,MAG

1A,BGP

MD(4)

1A,LEU,BGP

1A,1B

1A,EP,BGP

1A,LEU,EP

1A,BGP,EP

VOLCANICS

VOLCANICS

VOLCANICS

VOLCANICS

1B,1C,LEU

1B,LEU,EP

1B,EP,BGP

1A,LEU

1A,LEU,BGS,MAG

1A,BGP

MD(4)

1A,LEU

1A,LEU

1A,LEU

1A,1B

1A,LEU,BGP

1A,LEU

1A,EP,BGP

1A,LEU,EP

1A,LEU

1A

1A,EP

LEGEND

LITHOLOGY

- 1–GABBRO
  - 1A–COURSE GRAINED GABBRO
  - 1B–MEDIUM GRAINED GABBRO
  - 1C–FINE GRAINED GABBRO
  - LEU–LEUCOCRATIC PHASES OF GABBRO
- 2–MAFIC VOLCANIC
  - 2A–MASSIVE FINE GRAINED MAFIC VOLCANICS
  - 2B–MASSIVE PORPHYRITIC MAFIC VOLCANIC
  - 2C–PILLOWED FINE GRAINED MAFIC VOLCANICS
- 3–GRANDIORITE
- MD 4–MAFIC DYKE

MINERALIZATION

- E–EPIDOTE
- ES–EPIDOTE STRINGER
- EP–EPIDOTE PATCHY
- MAG–MAGNETITE
- PY–PYRITE
- QZ–QUARTZ
- QS–QUARTZ STRINGER
- QV–QUARTZ VEIN
- BG–BROWN GOSSAN
- BGS–BROWN GOSSAN STRINGER
- BGP–BROWN GOSSAN PATCH

STRUCTURE

- 45 JOINT WITH AZ
- 45 45 JOINT WITH AZ & DIP
- QUARTZ VEIN WITH AZ
- ES EPIDOTE STRINGER WITH AZ
- BRS BROWN GOSSAN STRINGER WITH AZ
- CONTACT ASSUMED
- CONTACT ACTUAL
- SHEARING
- MW MW MW FAULT ASSUMED, WITH MOVEMENT DIRECTION
- BRECCIA

SYMBOLS

- △S11 SAMPLE LOCATION
- MUCK PILE
- SHAFT
- SWAMP
- TRENCH
- SCATTERED OUTCROP
- OUTCROP
- STEEL SURVEY PIN

LINE 3W | LINE 2W | LINE 1W | LINE 0 | LINE 1E | LINE 2E | LINE 3E | LINE 4E

300 N

200 N

100 N

BL 0 (AZ 55)

100 S

200 S

LEGEND

- DRILL HOLE, WITH AZIMUTH
- CLAIM POST
- MUCK PILE
- SHAFT
- TRENCH
- CONTACT ASSUMED
- CONTACT ACTUAL
- SHEARING
- FAULT ASSUMED, WITH MOVEMENT DIRECTION

NOTE: See Fig #2 for detailed geology.

GRID NORTH 35° TRUE

42A01NE0247 2.17139 GRENFELL

220

SEDEX MINING CORP.

1996 DRILL PROGRAM

TITLE: SIROLA PROSPECT

Diamond Drill Hole, Grid, and Claim Location Map

Fig. # 3

SCALE: 1:1000 | DATE: November 10, 1996

25m 0 50m

522691

522693

512579

522690

522688

522689

Gabbro

Volcanics

DDH JS-95-1
0+18W, 0+19N
Az 130°, Dip 45°
E.O.H. 124.97m

DDH JS-95-2
0+80W, 0+50N
Az 130°, Dip 45°
E.O.H. 149.17m

DDH JS-95-3
2+00W, 0+25N
Az 145°, Dip 45°
E.O.H. 204.22m

DDH JS-95-4
3+00W, 1+00S
Az 145°, Dip 45°
E.O.H. 92.66m

DDH JS-95-5
0+30W, 0+15S
Az 20°, Dip 45°
E.O.H. 92.35m

DDH JS-95-6
0+30W, 0+35S
Az 20°, Dip 45°
E.O.H. 88.39m

DDH JS-95-7
0+25E, 0+75N
Az 143°, Dip 55°
E.O.H. 200.86m

MINE ROAD

General Claim Locations and Location of Area Enlarged (above).

Maisonville Twp.

Grenfell Twp.

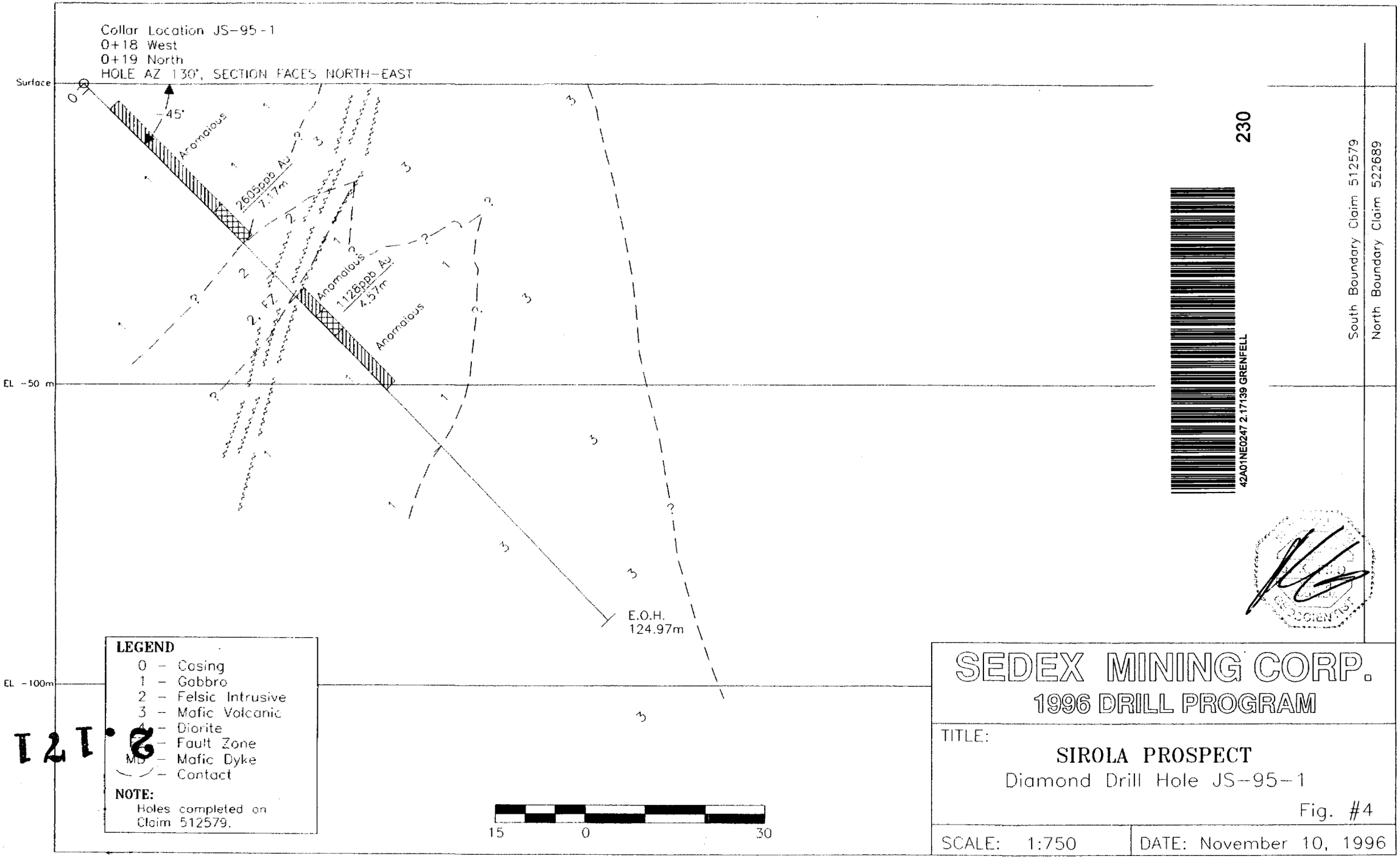
893511 | 893509 | 893510 | 893506 | 893508 | 893505 | 893507 | 893504 | 893503 | 893499 | 893500 | 893501 | 893502 | 893512

522692 | 522691 | 522693 | 522687 | 522690 | 512579 Area Enlarged | 522689 | 522688

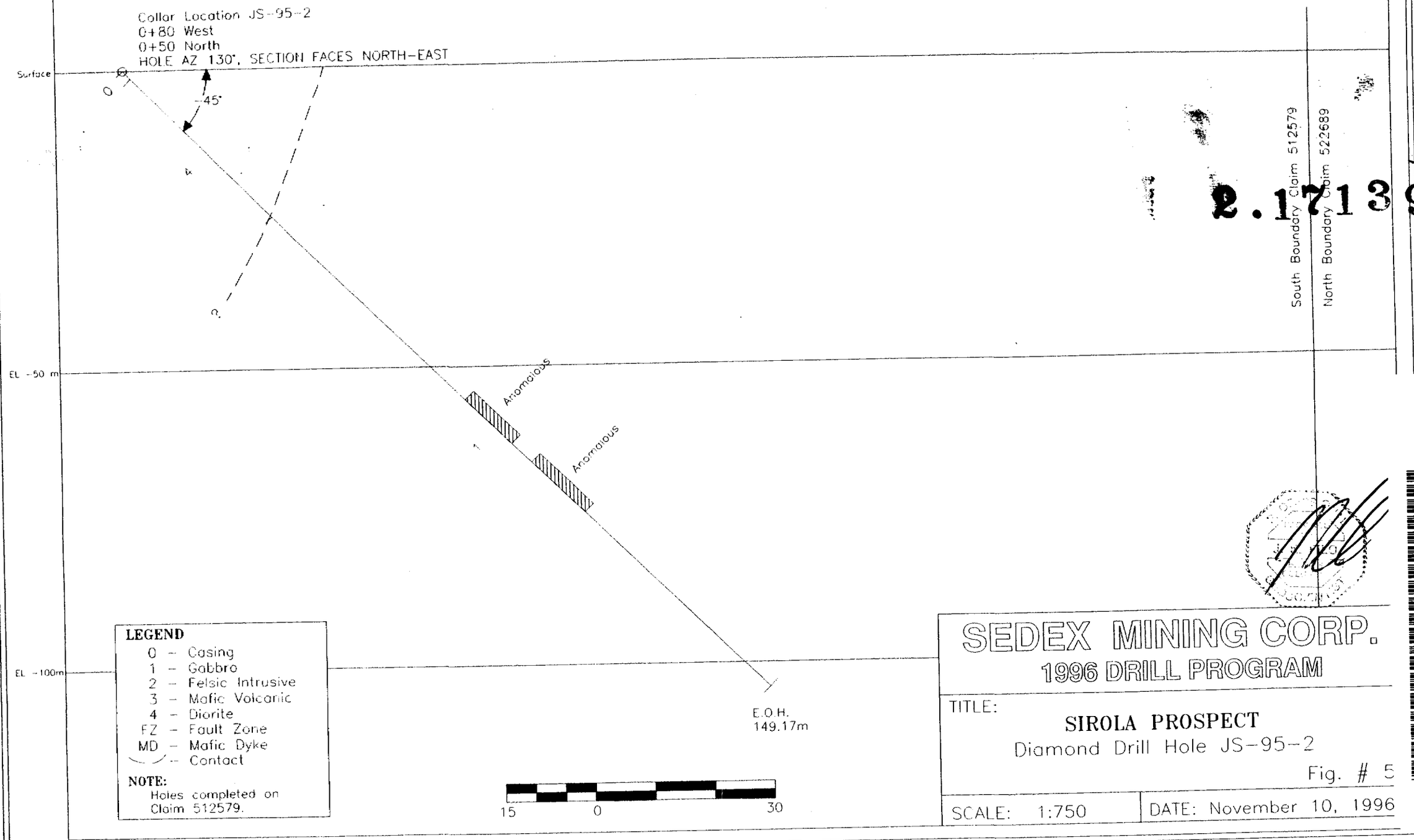
ARGONAUT

0 500

2.17139


Collar Location JS-95-1
0+18 West
0+19 North
HOLE AZ 130°, SECTION FACES NORTH-EAST
Surface
EL -50 m
EL -100m
0
-45°
Anomalous
2605ppb Au
7.17m
Anomalous
1128ppb Au
4.57m
Anomalous
FZ
E.O.H.
124.97m
LEGEND
0 - Casing
1 - Gabbro
2 - Felsic Intrusive
3 - Mafic Volcanic
- Diorite
- Fault Zone
MD - Mafic Dyke
- Contact
NOTE:
Holes completed on Claim 512579.
15
0
30
230
42A01NE0247 2.17139 GRENFELL
South Boundary Claim 512579
North Boundary Claim 522689
SEDEX MINING CORP.
1996 DRILL PROGRAM
TITLE:
SIROLA PROSPECT
Diamond Drill Hole JS-95-1
Fig. #4
SCALE: 1:750
DATE: November 10, 1996

2.17139



2.17139

240

SEDEX MINING CORP.

1996 DRILL PROGRAM

TITLE:

SIROLA PROSPECT

Diamond Drill Hole JS-95-2

Fig. # 5

SCALE: 1:750

DATE: November 10, 1996

42A01NE0247 2.17139 GRENFELL

Collar Location JS-95-3
2+00 West
0+25 North
HOLE AZ 145°, SECTION FACES NORTH-EAST

Surface

El. -50 m

El. -100m

El. -150m

-45°

0

4

Anomalous

1

South Boundary Claim 512579

North Boundary Claim 522689

?

?

?

3

?

Anomalous

1

E.O.H.
204.22m

15 0 30

2.17139

250

LEGEND

0 – Casing
1 – Gabbro
2 – Felsic Intrusive
3 – Mafic Volcanic
4 – Diorite
FZ – Fault Zone
MD – Mafic Dyke
– Contact

NOTE:
Holes completed on Claim 512579.

SEDEX MINING CORP.

1996 DRILL PROGRAM

TITLE: **SIROLA PROSPECT**

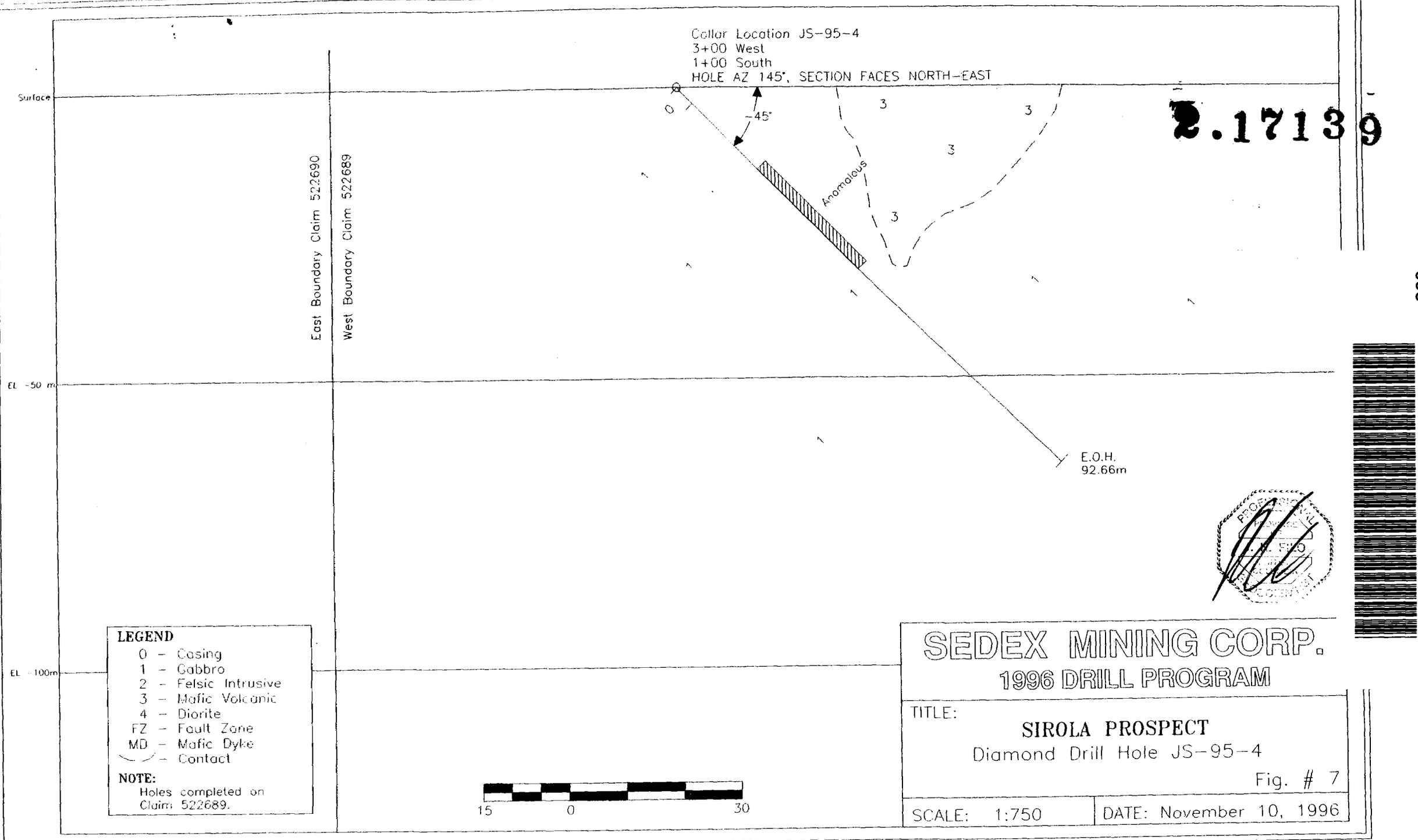
Diamond Drill Hole JS-95-3

Fig. # 6

SCALE: 1:750

DATE: November 10, 1996

42A01NE0247 2.17139 GRENFELL



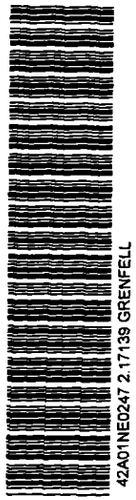
2.17139

260

42A01NE0247 2.17139 GREENFELL

2.17139

270



42A01NE0247 2.17139 GRENFELL

Collar Location JS-95-5
0+30 West
0+15 South
HOLE AZ 20°, SECTION FACES NORTH-WEST

Surface

EL -50 m

EL -100m

North Boundary Claim 522689

South Boundary Claim 512579

0

-45°

2628ppb Au
13.72m

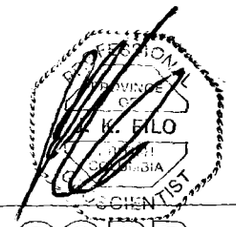
Anomalous

Anomalous

854ppb Au
1.53m

MD

E.O.H.
92.35m



LEGEND

0 – Casing
1 – Gabbro
2 – Felsic Intrusive
3 – Mafic Volcanic
4 – Diorite
FZ – Fault Zone
MD – Mafic Dyke
– Contact

NOTE:
Holes completed on Claim 512579.

15 0 30

SEDEX MINING CORP.

1996 DRILL PROGRAM

TITLE:

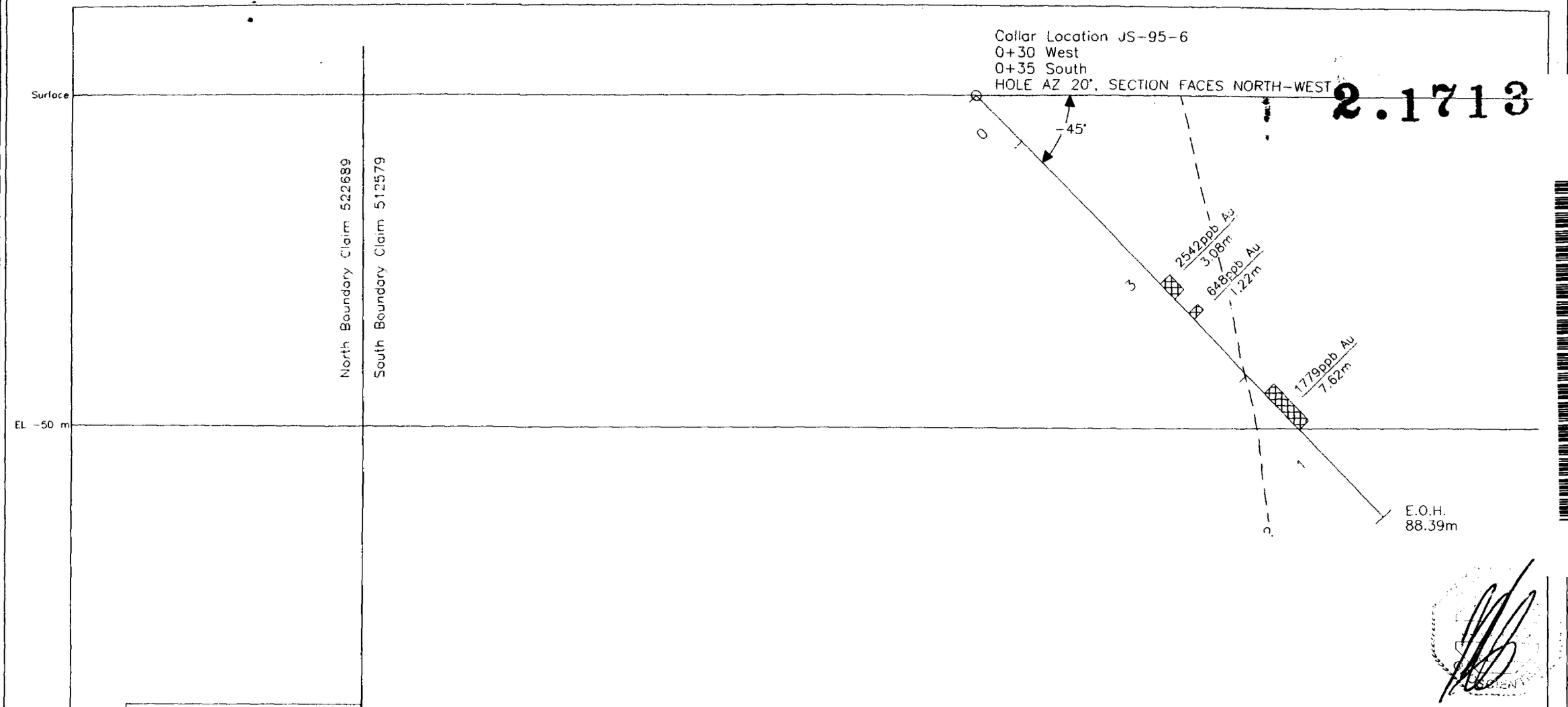
SIROLA PROSPECT

Diamond Drill Hole JS-95-5

Fig. # 8

SCALE: 1:750

DATE: November 10, 1996



LEGEND

- 0 – Casing
- 1 – Gabbro
- 2 – Felsic Intrusive
- 3 – Mafic Volcanic
- 4 – Diorite
- FZ – Fault Zone
- MD – Mafic Dyke
- ⌒ – Contact

NOTE:
Holes completed on Claim 512579.

15 0 30

SEDEX MINING CORP.

1996 DRILL PROGRAM

TITLE:

SIROLA PROSPECT

Diamond Drill Hole JS-95-6

Fig. # 9

SCALE: 1:750

DATE: November 10, 1996

2.1713

280

42A01NE0247 2.17139 GRENFELL

290

2.17139

42A01NE0247 2.17139 GRENFELL

Collar Location JS-95-7
0+25 East
0+75 North
HOLE AZ 143°, SECTION FACES NORTH-EAST

260m to North Boundary of Claim 522689.

Surface

EL -50 m

EL -100m

EL -150m

-55°

0

1

MD

?

?

1

Anomalous

678ppb Au
10.67m

947ppb Au
2.26m

541ppb Au
4.20m

2

1

E.O.H. 200.86m

15 0 30

LEGEND

0 – Casing
1 – Gabbro
2 – Felsic Intrusive
3 – Mafic Volcanic
4 – Diorite
FZ – Fault Zone
MD – Mafic Dyke
– Contact

NOTE:
Holes completed on Claim 512579.

SEDEX MINING CORP.

1996 DRILL PROGRAM

TITLE: **SIROLA PROSPECT**

Diamond Drill Hole JS-95-7

Fig. #10

SCALE: 1:750

DATE: November 10, 1996