GM 50662

REPORT ON 1989-1990 (WINTER) DIAMOND DRILLING PROGRAM, FOURAX II PROPERTY

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REPORT ON THE

1989-1990 (WINTER) DIAMOND DRILL PROGRAM

ON THE

FOURAX II PROPERTY

MALARTIC, QUEBEC

FOR

MINROC MANAGEMENT LIMITED

ON BEHALF OF

BAY RESOURCES & SERVICES INC

TORONTO, ONTARIO
MARCH, 1990

N.O. WILLOUGHBY, BSc. (HONS.)
NR&J RESOURCE ASSOCIATES LIMITED

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** NOTE: MAP IN POCKET:

FOURAX SHEAR ZONE DIAMOND DRILL SURFACE (HORIZONTAL) PROJECTION MAP AND INTERPRETATION

SUMMARY

The 1989-1990 diamond drill program encountered significant auriferous quartz veining and associated brecciation, alteration hosted by feldspar porphyry and magnetite iron formation within a 1,500 ft. long zone of intensly sheared volcanics and sediments situated south and adjacent to the regional Cadillac-Bouzan Break.

This 200-400-foot thick section of deformed rocks is designated the Fourax Shear Zone and is correlative with the Piche Group, likely distal facies to the Blake River Group. Schistosities dip 70 to 80 deg to the north. Laminated sediments/iron formation indicate bedding at 45 to 55 deg, also dipping northwards. Regional studies suggest younging also to the north and that the property area is situated on a portion of the south limb of the ESE trending Cadillac Syncline.

A sill of feldspar porphyry (Feldspar Porphyry Horizon) is traced across the entire length of the program area and contains anomalous gold values over most of that length. Indications are that a 550-foot long section extending from line 4+50 to line 10+00 east, contains economic to sub-ecomonic gold values, for example hole 57, 0.340 opt Au over 10.5 ft. and hole 74, 0.141 opt Au over 12.7 ft. Two holes on each of two sections (8+50E, 10+00E) show possibly economic gold mineralization over a 300-foot vertical height.

Two discontinuous horizons of iron formation containing sporadic gold values occur above and below the Feldspar Porphyry Horizon. Hole 74 returned several sub-economic gold intersections plus an assay of 0.444 opt Au over 8.6 ft. at 1,050-1,058.6 ft. Hole 81 intersected 0.238 opt Au over 3.8 ft. approximately 1,000 ft. vertically below the hole 74 0.444 opt Au intercept. It was observed that only pyritic iron formation cut by quartz veining or brecciation contain significant gold values.

Two deep holes intersected felsic intrusive/syenite porphyry and possibly represent the northern leading edge of the Western Porphyry Zone. A couple of gold intercepts are returned in these holes from pyrite-bearing chloritic fractures. Hole 58 may have tapped into the feeder zone for the Feldspar Porphyry Horizon which, in this hole, shares some similarity with syenite porphyry.

It is concluded that gold mineralization in the Fourax Shear Zone is contained in quartz- bearing fracture or fault zones within feldspar porphyry and magnetite iron formation/laminated sediments, competent lithologies which acted as the focus of dilation during regional east-west shearing and extension. In view of the fact that similar mechanisms are invoked for other deposits in the vicinity, the Fourax II property is assigned reasonable potential to host economic gold concentrations.

A $300,000 exploration progam consisting of bore-hole geophysics and 10,000 ft. of diamond drilling is recommended to follow-up on the 1989-1990 program results.

1.0 INTRODUCTION

Exploration activity continued on the Malartic Area Fourax II gold property of Augmitto Explorations Limited of Toronto and Bay Resources and Services Inc. of Montreal during the winter 1989-1990 exploration season. A program of 15,338 feet of diamond drilling in 20 holes was completed over the north-central part of the Property in the area of the regionally mapped Cadillac-Bouzan Break. Previously, extensive diamond drilling was carried out over the Western Porphyry Zone and Townsite Diorite Zone of gold mineralization (1986-1988) across the west-central portion of the claim block.

The 1989-1990 diamond drill program was directed by Minroc Management Limited of Toronto.

This report details diamond drill results of the winter program, forwards a geological and minerological interpretation based on gold intersections and litho-structural hole-to-hole correlation and provides insight into the economic potential of this portion of the property in the light of current Archean lode gold depositional models. A recommended follow-up exploration program to furthur examine the area of the Cadillac-Bouzan Break is forwarded.

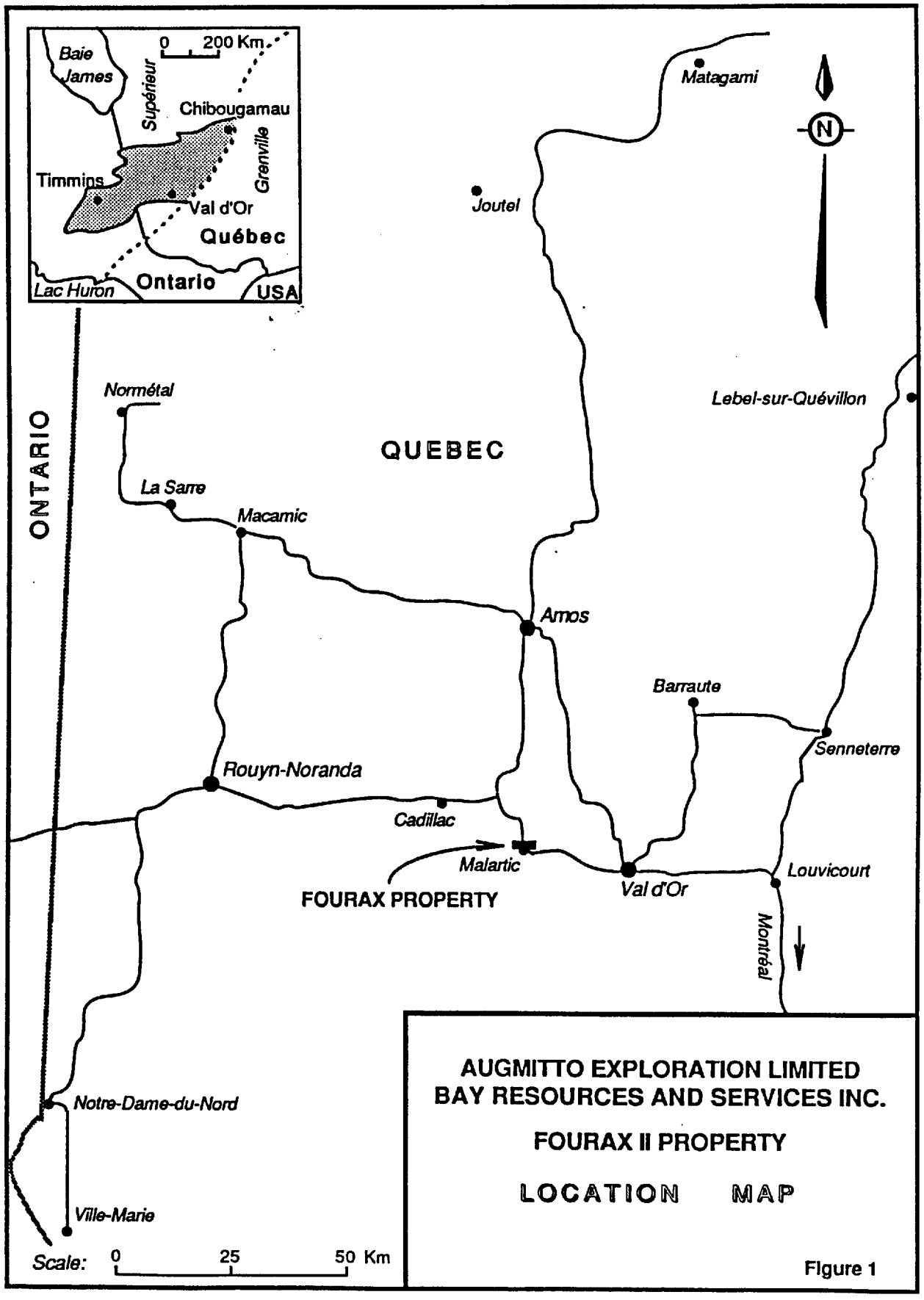
2.0 LOCATION, ACCESS, INFRASTRUCTURE

The twelve (12) claims which comprise the Fourax Property are situated at Malartic, Quebec and in fact encompass the northern half of the town. Highway # 117 passes through the center of the claim block and connects Malartic to the mining town of Val d'Or located approximately 25 Km to the east (figure 1).

The claims are situated at the north-central part of Fourniere Township adjoining Malartic Township to the north. Best access is provided by the east-west township line road which connects to Hwy # 117 at the north end of Malartic at the Filon d'Or Motel. The CNR railway crosses the southern portion of the property. A hydroelectric transmission line runs along the western town limit and north-south through the west part of the property.

Figure 2 shows the disposition of the claims relative to the aforementionned elements. The drill program was carried out on Block 26, Claim 335178-4.

Malartic, with a population of approximately 6,000, provides manpower and some support services (hardware stores, garages, grocery stores, restaurant and motels) to the mining and exploration industry. Specialized services such as diamond drill companies, mine development companies and assorted exploration contract outfits are readily available at Val d'Or, a 20 minute drive from Malartic.


0 200 Km
Baie James
Supérieur
Chibougamau
Grenville
Timmins
Val d'Or
Québec
Lac Huron
Ontario
USA
Matagami
N
Joutel
Normétal
Lebel-sur-Quévillon
ONTARIO
QUEBEC
La Sarre
Macamic
Amos
Barraute
Senneterre
Rouyn-Noranda
Cadillac
Malartic
Louvicourt
FOURAX PROPERTY
Val d'Or
Montréal
Notre-Dame-du-Nord
Ville-Marie
Scale: 0 25 50 Km
AUGMITTO EXPLORATION LIMITED
BAY RESOURCES AND SERVICES INC.
FOURAX II PROPERTY
LOCATION MAP
Figure 1

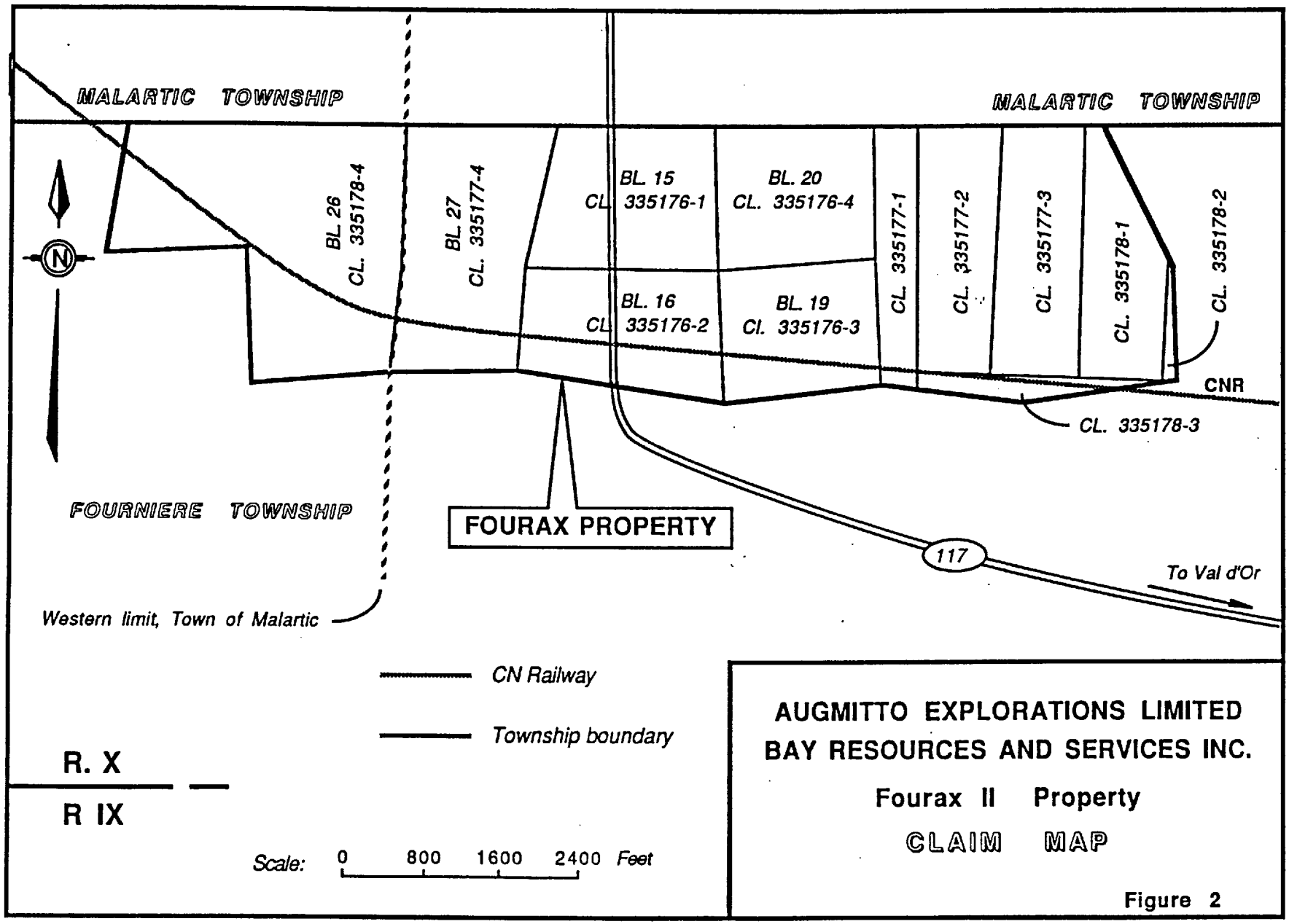

MALARTIC TOWNSHIP
MALARTIC TOWNSHIP
BL. 26
CL. 335178-4
BL. 27
CL. 335177-4
BL. 15
CL. 335176-1
BL. 20
CL. 335176-4
BL. 16
CL. 335176-2
BL. 19
Cl. 335176-3
CL. 335177-1
CL. 335177-2
CL. 335177-3
CL. 335178-1
CL. 335178-2
CL. 335178-3
CNR
FOURNIERE TOWNSHIP
FOURAX PROPERTY
117
To Val d'Or
Western limit, Town of Malartic
CN Railway
Township boundary
R. X
R IX
Scale: 0 800 1600 2400 Feet
AUGMITTO EXPLORATIONS LIMITED
BAY RESOURCES AND SERVICES INC.
Fourax II Property
CLAIM MAP

Figure 2

3.0 PREVIOUS WORK

The majority of the previous work carried out on the property was concentrated on the West Porphyry Zone located just to the south of the 1989-1990 program and the Townsite Diorite Zone to the east. The reader is referred to the report of Newton, February 15, 1989, for details on the previous work history of the property.

4.0 REGIONAL GEOLOGY AND MINERALIZATION

The Fourax Property straddles a portion of the gold-bearing Cadillac-Bouzan Break and Tectonic Zone, southeastern Abitibi Belt of the Superior Structural Province, at Malartic , Quebec. The Break is traced eastwards at least 20 Km to Val d'Or and west some 100 Km to the Ontario-Quebec provincial border where it links with the Kirkland Lake-Larder Lake Fault.

The majority of the historical gold production from the Abitibi derives from gold deposits situated on, or in the vicinity of this regional structure. In the Cadillac-Malartic-Val d'Or area alone, some 26 million oz of gold are produced since 1931. A list of past and current production in the region is given in Table 1.

The property is mainly underlain by essentially east-west striking and north dipping intensely sheared tholeiitic mafic-ultramafic volcanics and intercalated tuff, argillite and minor iron formation correlative with the **Piche Group**.

The Piche Group is sandwiched between **Cadillac Group** sediments to the north and **Pontiac Group** sediments to the south. The trace of the ESE-trending regional **Cadillac Syncline** is situated approximately 1.5 Km north of the claims. Stratigraphic top indicators (pillows in Piche Group, gradded bedding in Pontiac Group) indicate younging northwards. Distribution of stratigraphic units in the area are shown, figure 3.

According to Valliant and Hutchinson (1982) the Piche is a distal facies of the **Blake River Group**. A wedge of Blake River Group is mapped at the northeastern part of the Fourax Property, north of the trace of the Cadillac-Bouzan Break and pinches out against the Break and Cadillac Group just southeast of the claim

TABLE 1 : GOLD PRODUCTION CADILLAC-MALARTIC-VAL D'OR AREA

MINE	TOWNSHIP	STATUS	YEARS	TONNAGE	OZ GOLD	OZ SILVER	BASE METALS
Lamaque	Bourlamaque	PP	1935-1985	27,089,353	4,762,058		
Sigma	Bourlamaque	P*	1931-1988	21,129,068	3,648,490	---	
East Malartic	Fourniere	PP	1938-1981	19,938,303	2,852,250	560,000	
Malartic Goldfields	Dubuisson	PP	1939-1964	9,875,175	1,874,162		
Malartic Gold Fields	Fourniere	PP	1939-1965	9,853,637	1,702,453		
Camflo	Malartic	P*	1965-1988	8,174,196	1,683,582		
Sladen	Fourniere	PP	1948-1970, 1979-1982	9,849,745	1,244,083	some	
Canadian Mal	Fourniere	PP	1935-1965	10,941,950	1,196,601		
Sullivan	Dubuisson	PP	1934-1963	5,085,518	1,134,350		
Doyon	Bousquet	P*	1980-1988	6,667,524	992,760	some	
Siscoe	Dubuisson	PP	1929-1949	3,330,401	882,303		
Bousquet#2	Bousquet	P*	1980-1988	4,845,305	758,278	some	
O'Brien	Cadillac	PP	1930-1956, 1978-1981	1,399,475	593,856		
Kiena	Dubuisson	P*	1961-1965, 1980-1988	2,911,364	475,617	35,269('81-'84)	
Bevcon-Buffadison	Louvicourt	PP	1947-1965	3,493,243	406,409		
Marban	Dubuisson	PP	1961-1974	2,185,970	330,015		
Malartic Hygrade	Malartic	P*	1962-1963, 1981-1988	1,407,157	275,660		
Bras d'Or/Ferderber	Bourlamaque	P*	1982-1988	1,211,758	267,575		
Norlartic	Vassan	PP	1959-1966	1,187,072	145,610	15,189	
New Mic Mac	Bousquet	PP	1942-1947	797,558	117,390	1,764	Cu
Central Cadillac	Cadillac	PP	1939-1949	461,819	63,117		
Chimo	Vauquelin	PP	1966-1967	173,614	58,434		
Lapa Cadillac	Cadillac	PP	1938-1943	359,206	47,296	2,011	
Bras d'Or	Bourlamaque	P*	1938, 1980-1982	219,296	42,973		
Akasaba	Louvicourt	PP	1960-1963	289,428	39,744		
Courvan	Louvicourt	PP	1932-1942	309,374	36,939		
West Malartic	Cadillac	PP	1942-1946	314,168	36,621	2,575	
Louvicourt Goldfields	Louvicourt	PP	1947-1949	263,850	32,201		
Ferderber	Bourlamaque	P*	1979-1981	177,445	27,000		
Pandora(2-5)	Cadillac	PP	1938-1942	196,503	26,974		
Shawkey	Dubuisson	PP	1936-1938	137,978	25,414		
Thompson Cadillac	Cadillac	PP	1936-1939	175,816	16,466		
Greene Stabell	Dubuisson	PP	1933-1939	71,504	15,159	4,223	Cu
Little Long Lac	"	PP	1964-1969	27,201	5,299	some	
Dunraine#2	Bourlamaque	PP	1956-1958	280,768	1,496	28,702	Cu
Pan Canadian#2	Cadillac	PP	1938	5,841	1,164	106	
Kewagama	Cadillac	PP	1940	2,723	791		
Mining School	Dubuisson	PP	1938-1942	5,000	566		
East Sullivan	Bourlamaque	PP	1948-1966	16,508,187	minor	minor	Cu,Zn
Manitou-Barvue	"	PP	1942-1980	12,277,075	minor	?	Cu,Zn,Pb
Dunraine#1	Louvicourt	PP	1956-1958	280,768	?	?	Cu
				TOTAL GOLD:	25,821,156		

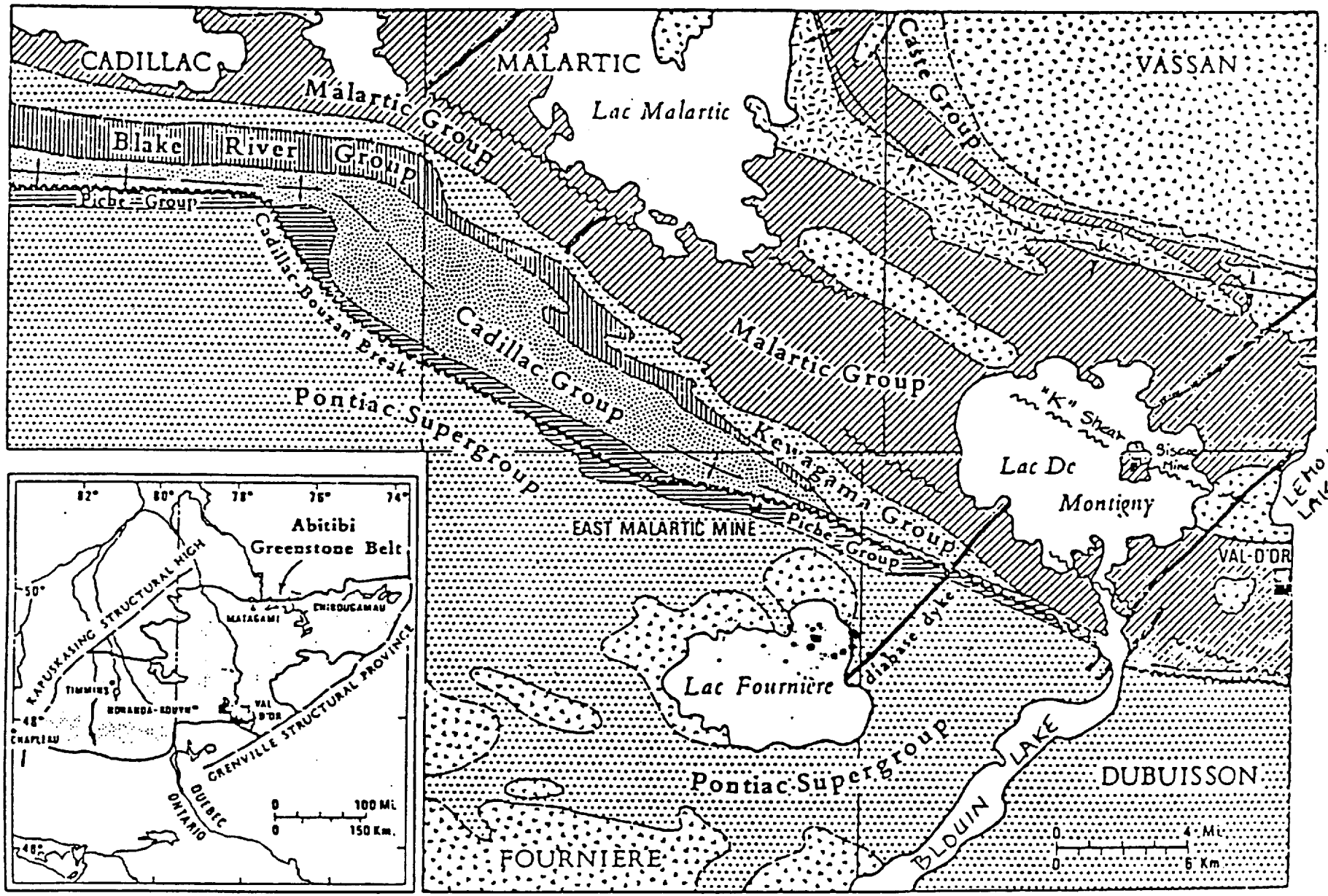


Figure 3: Stratigraphic subdivisions of the Malartic-Val d'Or area; from Kerrich, 1983 (after Hodgson, 1985).

block. General geology of the claim block is given as figure 4.

Hodgson (1985) and Sansfacon (1988) suggest that major stratigraphic (Group) contacts in the region are unconformable, likely fault structures. Hodgson goes on to say that the Piche Group is conformably underlain by the Pontiac Group.

The **Cadillac-Bouzan Break** is described as an anastomosing shear system with numerous subsidiary low angle shears and fractures, for example the **Sladen Shear or Fault**, which is traced westwards from the East Malartic Mine Property to at least 1 Km south of the Fourax Property. East of Malartic the Break lies along the north side of the Piche Group and at Malartic swings to the south to follow the southern contact of the Piche Group on the East Malartic Mine Property (figures 5, 6). Interestingly the point of inflection at Malartic roughly separates Piche Group volcanics of principally mafic composition to the west from those of mainly ultramafic composition to the east (Hodgson, 1985).

The **Fournier Z-Fold** is located at the western part of the Fourax claims with NW trending axial trace passing in the vicinity of Fourax Property grid lines 4+00 to 10+00 east (figure 4). The structure, which is indicated to plunge 45-65 deg to the east, may indicate some dextral movement along the Cadillac-Bouzan Break.

The **Cadillac Tectonic Zone** is also characterized by numerous irregular, lenticular dykes and sills of diorite and (younger) feldspar porphyry and syenite/granite (porphyry). These intrusive bodies are generally intruded or stretched parallel to the regional shear and schistosity. Sansfacon (1988) favours the designation felsic porphyry for all syenitic-granitic rocks. He contends that the syenitic appearance of these intrusives is due

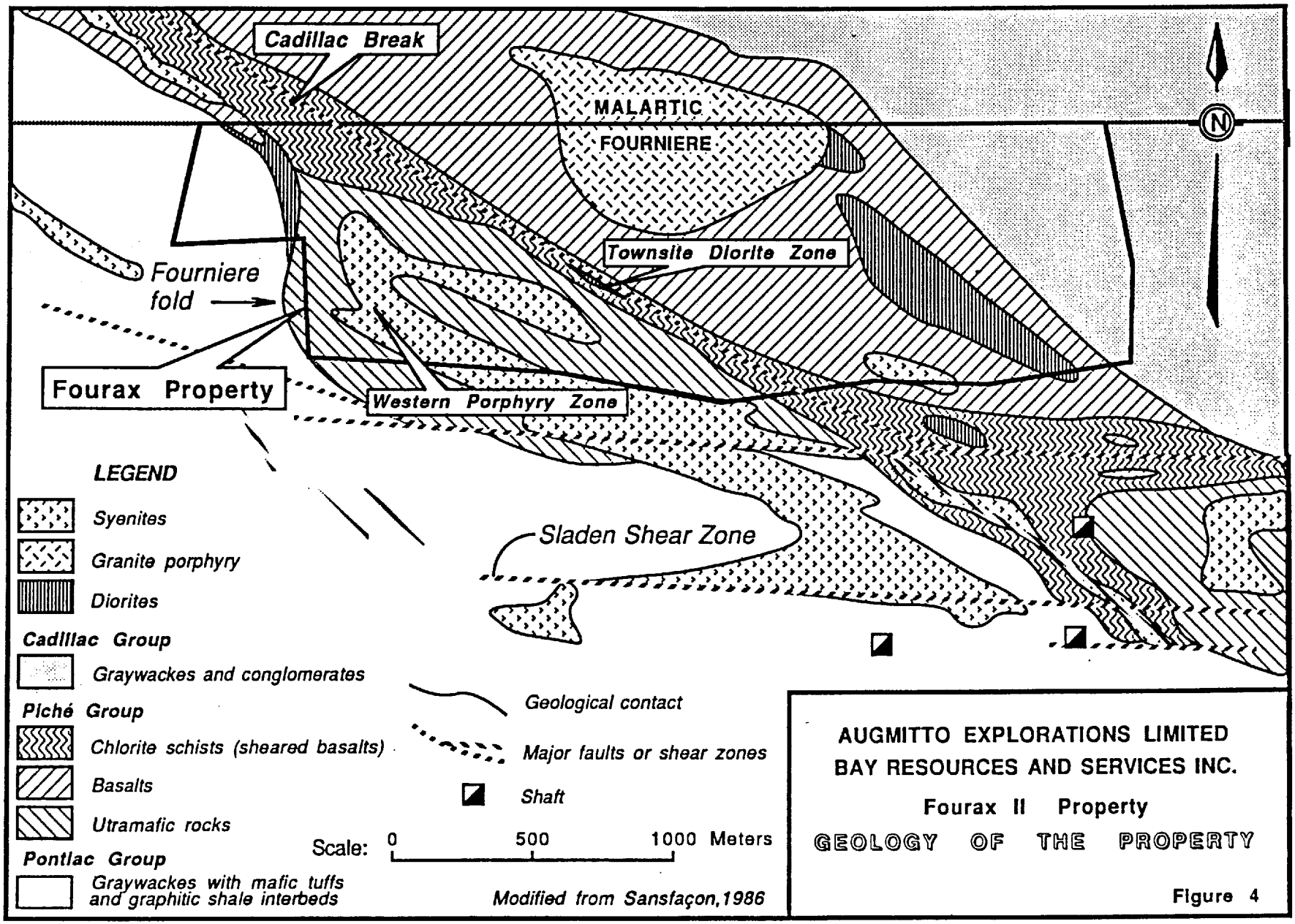


Figure 4: General property geology; modified from Sansfacon, 1986 (after Newton, 1989).

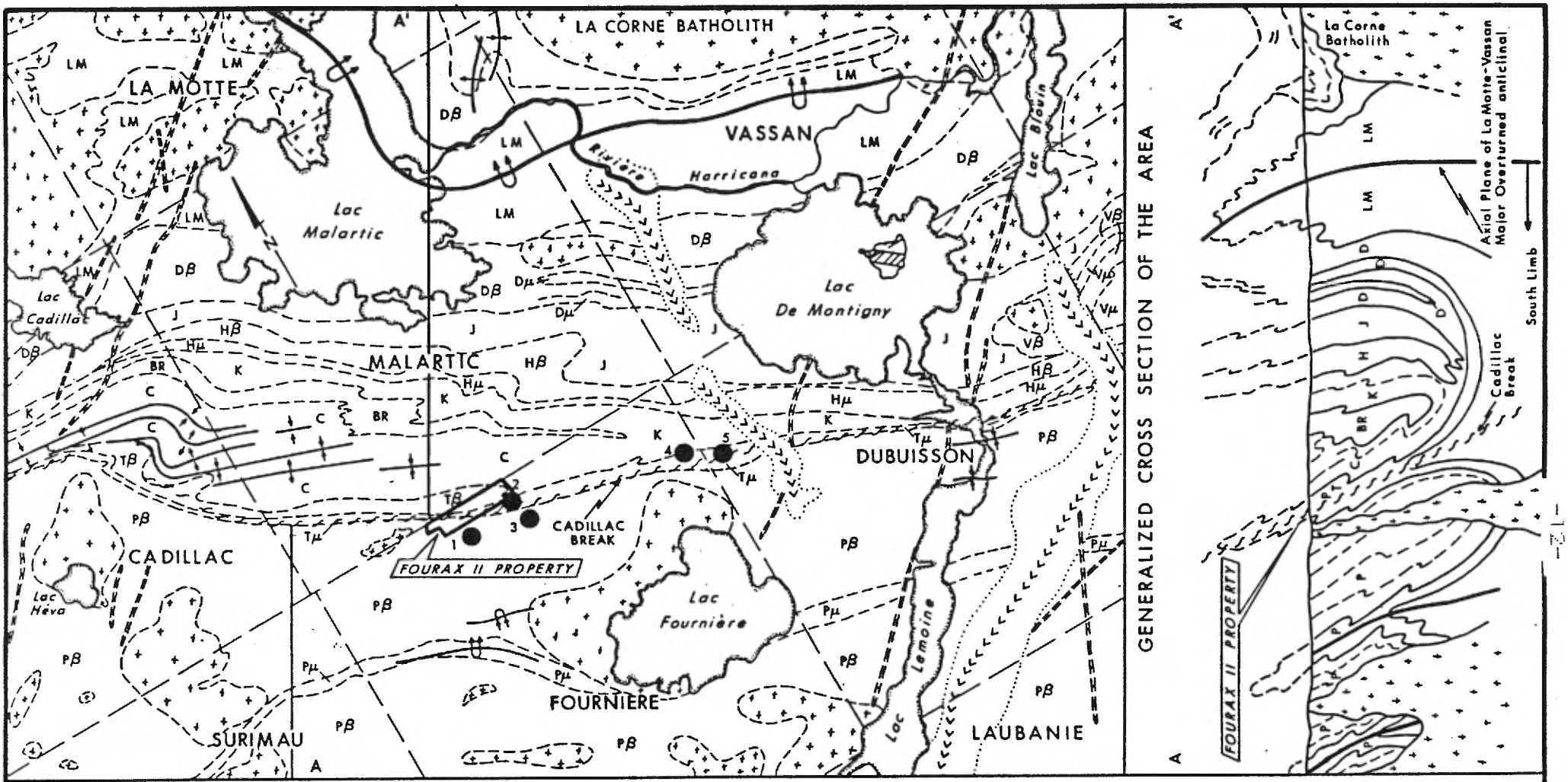
to potash metasomatism related to regional metamorphism or hydrothermal alteration accompanying gold mineralization.

Three past producing gold mines and one significant prospect are located within 3 Km of the Fourax Property (figures 5 and 6): **Canadian Malartic**, 1.5 Km south and southeast; **Sladen**, 2.7 Km ESE; **East Malartic**, 3 Km ESE; **East Amphi**, 0.5 Km NE. Both the Sladen and East Malartic are on strike with the Fourax Property. Approximately on strike 15 Km to the east is the past producing **Malartic Gold Fields** mine. Production statistics, current reserves and activity of these deposits are given as follows:

Mine	Ownership	Production oz Gold	Reported Reserves
East Malartic	Lac Minerals	2,852,250	1,490,470 T @ 0.10
Malartic Gold	Lac Minerals	1,702,453	100,000 T @ 0.13
Sladen	Lac Minerals	1,244,083	110,000 T @ 0.07
Canadian Mal	Lac Minerals	1,196,601	304,000 T @ 0.09
East Amphi	Breakwater Res	none	drilling in 1988 and March, 1990

Gold mineralization at **Sladen, Canadian Malartic and East Malartic** is apparently localized along the trace of the **Sladen Shear Zone**, a subsidiary structure which trends west from the Cadillac-Bouzan Break at East Malartic to at least as far west as and south of the Fourax Property. The geology and structure in the area is shown on figure 6. The outline of the **Fourax Property**, formerly part of the Sladen claims, is indicated (shaded).

Gold is associated with pyritic and silicified greywacke of the Pontiac Group along most of the trace of the Sladen Shear Zone and comprised the main ore bodies of all three mines (Derry and Herz, Byers and Gill, Cormie, 1948). At **East Malartic**, mineralization extends some 1,200 ft. west of the Sladen Shear-Cadillac-Bouzan Break intersection and is localized along the



LEGEND

- Diabase dyke
- Felsic intrusive
- Mafic intrusive

CADILLAC GROUP
- C — Sediments (greywacke, conglo.)

CADILLAC TECTONIC ZONE
- Tμ — Ultramafic flows
- Tβ — Basaltic flows

PONTIAC GROUP
- Pμ — Ultramafic flows
- Pβ — Sediments (greywacke)

BLAKE RIVER
- BR — Basalt (pillowed)

KEWAGAMA FORMATION
- K — Sediments + volcaniclastites

HEVA FORMATION
- Hμ — Felsic and mafic volcaniclastites with subordinate basalts
- Hβ — Basalts (massive)

VAL d'OR FORMATION
- Vμ — Andesitic and basaltic tuffs
- Vβ — Basaltic flows + flow breccia

JACOLA FORMATION
- J — Ultramafic and mafic flows

MALARTIC GROUP
- Dμ — Ultramafic flows
- Dβ — Basaltic flows (pillowed)
- LM — Ultramafic and mafic flows with rare sediments

Fault
Anticlinal axis
Synclinal axis
Overturned anticlinal axis

FORMER PRODUCERS
1. Candian Malartic
2. Barnat
3. East Malartic
4,5. Malartic Gold Fields

0 2.5 5 10 Kilomètres

AUGMITTO EXPLORATIONS LIMITED
BAY RESOURCES AND SERVICES INC.

Fourax II Property

Figure 5: General geology of the Malartic Area with locations of nearby past producers and Fourax Property indicated; from IMREH, 1984 (after Newton, 1989).

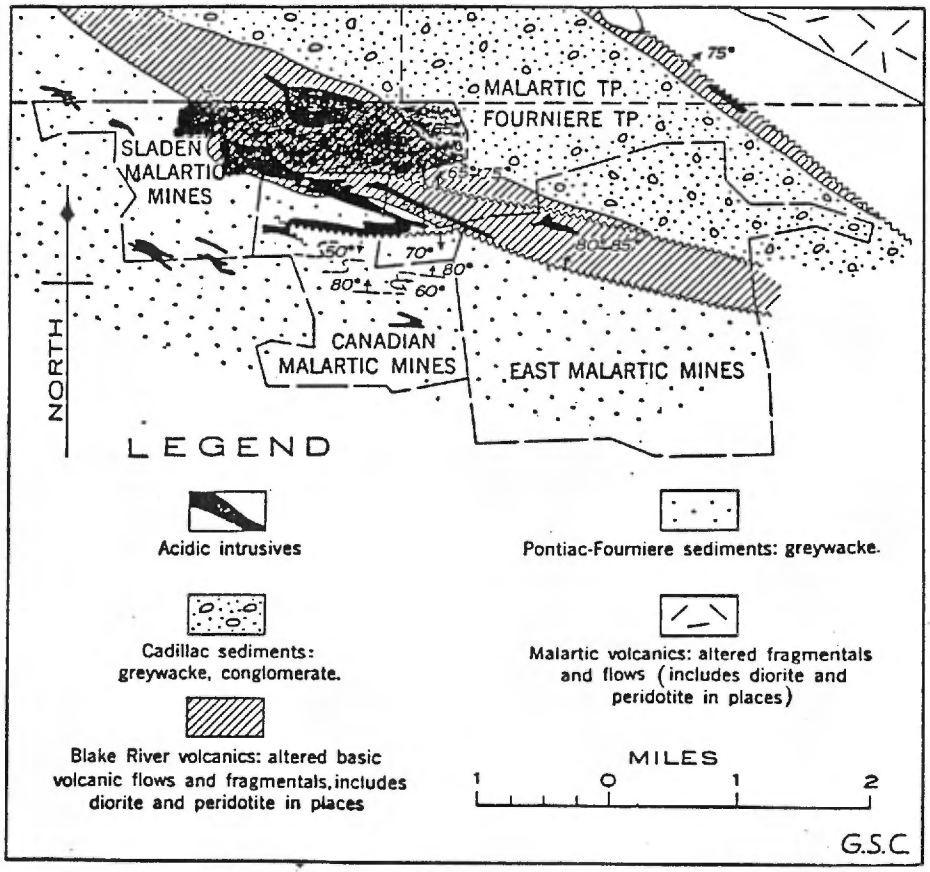


Figure 6: Geology of the Sladen Malartic, Canadian Malartic and East Malartic mine properties; Fourax Property indicated (after Byers and Gill, 1948).

Break as indicated on figure 7.

Both Derry and Herz and Byers and Gill report gold concentrations in the area of **S-drag folds** at **Canadian Malartic and Sladen**, respectivelly. Hodgson (1985) interprets these structures as intersections of **conjugate fractures**. Figure 8 illustrates such an S-fold structure at Canadian Malartic. Apparently S-folds with axial traces trending ESE-WNW plunge 45-60 deg SE. A porpyhry intrusive body occupies the core of the S-fold at Canadian Malartic.

Concentrations of gold were also reported in **syenite intrusives** juxtaposed to the Sladen Shear and at the intersections of syenite with diorite and feldspar porphyry dykes and sills. Good gold grades were reported in chloritic seams of a porphyry body at **Canadian Malartic** and were considered to be manifestations of a late NW-SE fracture system which, incidently, runs parallel to the S-fold axial trace (Derry and Herz,1948) and undoubtably represent a conjugate fracture to the east-west system as postulated by Hodgson (1985).

West of the Sladen Shear on the **East Malartic Property**, auriferous quartz veins and stockwork mineralization are hosted by diorite and feldapar porphyry dykes and sills within Piche Group lithologies. The ore is localized along the contact of Piche Group with underlying Pontiac Group sediments (figure 9) which is defined as the trace of the Cadillac-Bouzan Break at this point.

Gold mineralization at **Malartic Gold Fields** also consists of auriferous quartz veins in mainly diorite dykes and sills intruding Piche Group rocks. Concentrations of gold occur where feldspar porphyry dykes cross diorite which led Halet (1948) to

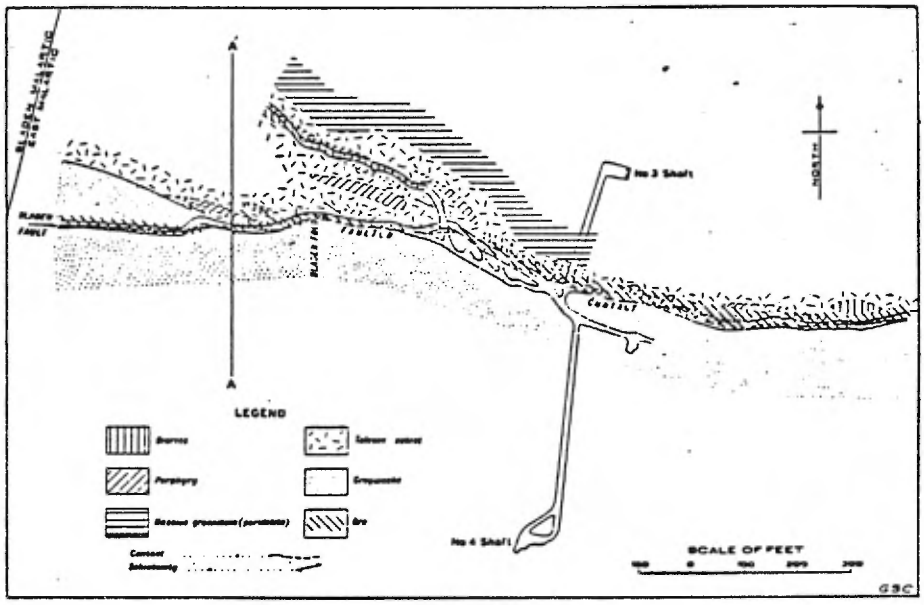


Figure 7a: Geological plan of the 1,270-foot Level, East Malartic Mine. Disposition of the Sladen Shear Zone (Fault) relative to the Cadillac-Bouzon Break (faulted contact) (after Cormie, 1948).

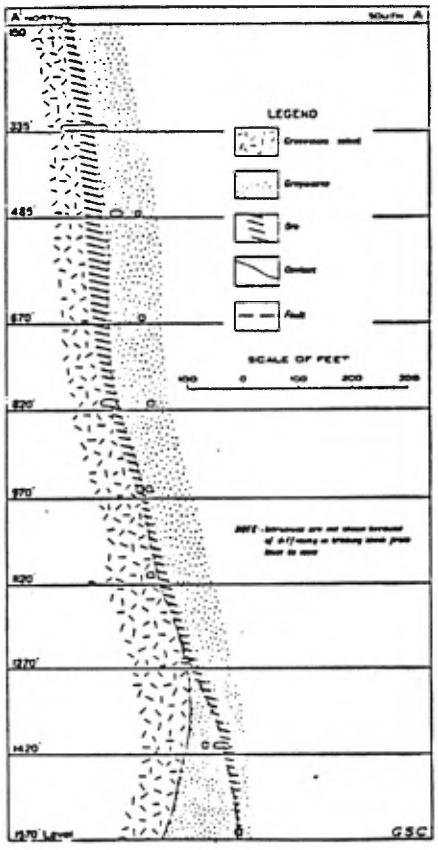


Figure 7b: Vertical cross section, East Malartic Mine (after Cormie, 1948).

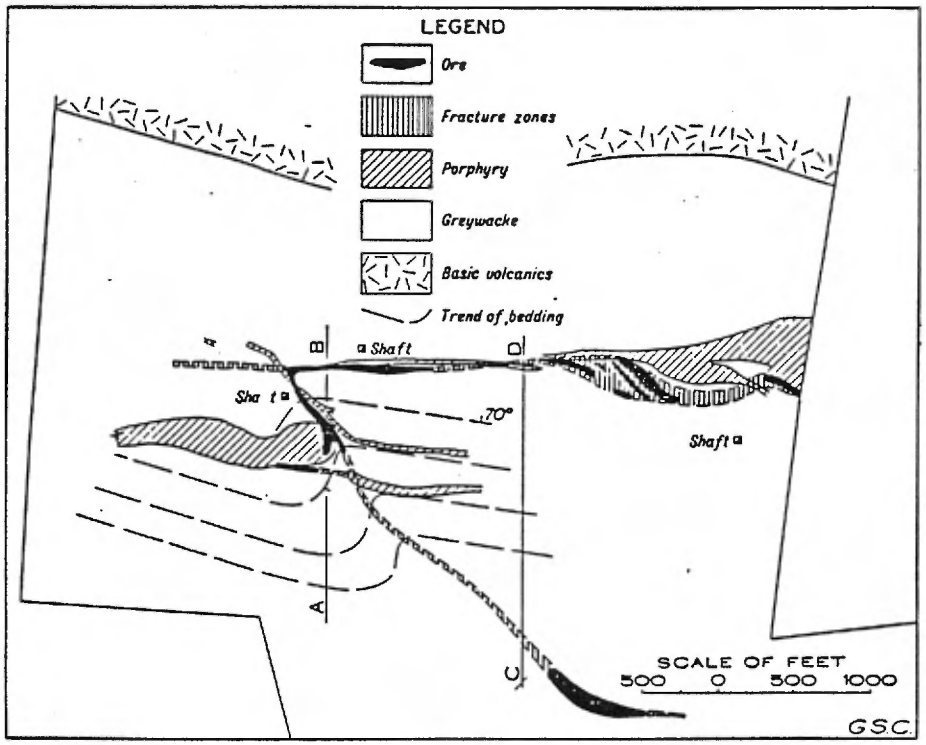
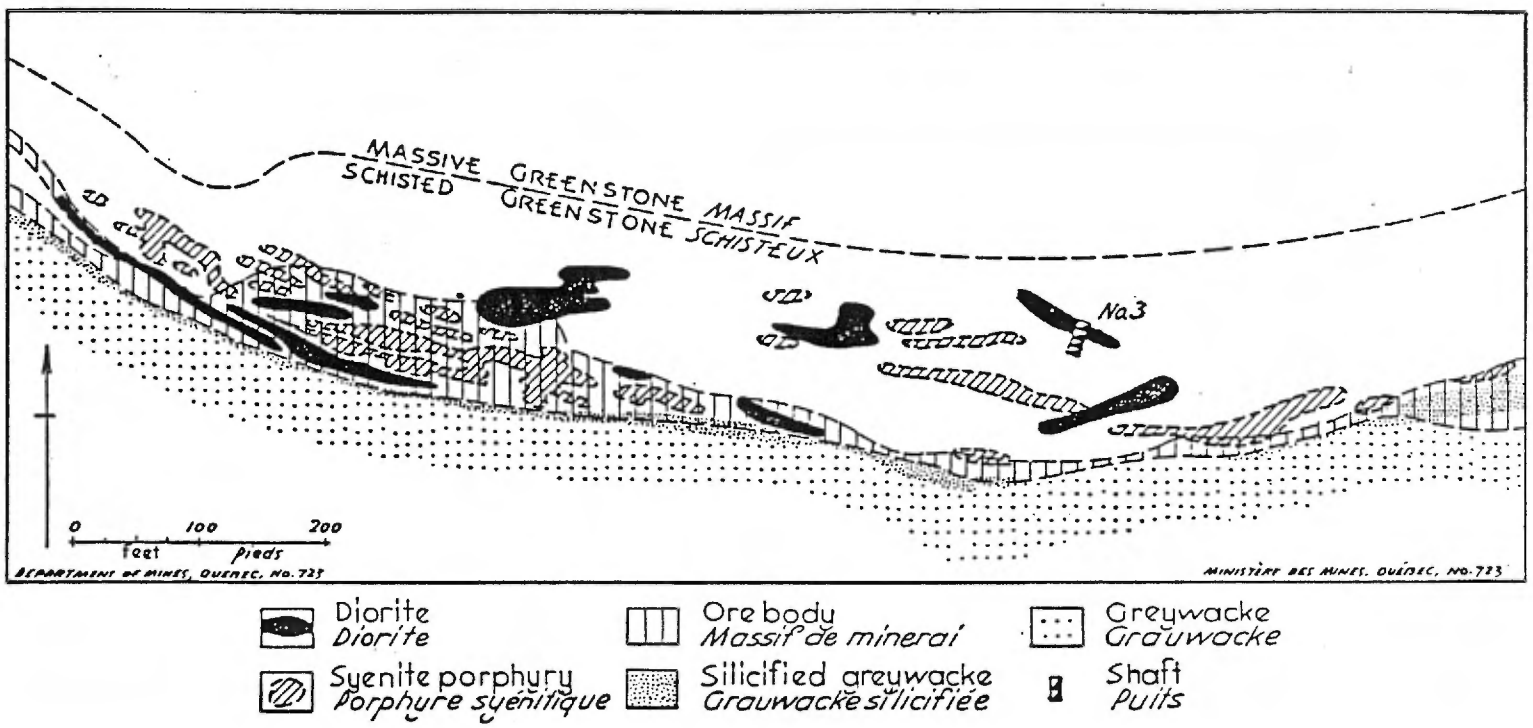


Figure 8: Geological surface plan of the Canadian Malartic Mine showing the s-drag fold (conjugate fracture) structure (after Derry and Herz, 1948).



Diorite / *Diorite*
Ore body / *Massif de minerai*
Greywacke / *Grauwacke*
Syenite porphyry / *Porphyre syénitique*
Silicified greywacke / *Grauwacke silicifiée*
Shaft / *Puits*

Figure 9: East Malartic Mine, 485-foot Level showing orebodies hosted by diorite and feldspar porphyry at the Piche Group - Pontiac Group contact (after MNRQ, undated).

conclude that the porphyries acted as channelways for mineralizing fluids. Sansfacon (1988) notes mineralized ladder veins in the competent diorites indicating regional extension. Mineralized veins seldom continue more than a few feet into the host schists.

Other gold deposits in the region hosted by Piche Group lithologies include **O'Brien, Cons Central Cadillac, Kewagama, Pandora, Thompson Cadillac, Lapa Cadillac and West Malartic.**

At **O'Brien** auriferous veins consist of quartz plus minor albite, ankeritic dolomite, calcite, tourmaline and sulphides, mainly arsenopyrite. Veins are found principally in volcanics. Low gold values are returned from pyritic cherts and argillites. "the greatest gold contents ... are from quartz veins which are adjacent to or crosscutting the auriferous pyritic cherts and carbonaceous argillites" (Valliant and Hutchinson, 1982).

Valliant and Hutchinson also report that sulphide ore consisting of lenses of pyrite and quartz occur at the contact of magnetite iron formation and tuff at the **Cons Central Cadillac Mine**. The two researchers also note that the stratiform pyritic ores characteristic of the **Bousquet deposits** are closely associated with felsic volcanic rocks whereas Piche Group-hosted deposits generally occur in the vicinity of possibly equivalent felsic intrusive rocks.

The role of folding in concentrating ecomonic gold deposits is provided by the **Z-fold structure** related to the ore zones contained within the monzonite porphyry pipe at the **Camflo Mine** situated approximately 10 Km northeast of the Fourax Property and possibly the **Fournier Fold** on the property where significant gold mineralization is outlined as the **Western**

Porphyry Zone.

5.0 EXPLORATION PHILOSOPHY

As a guide to exploration many workers agree that Archean lode gold deposits are exclusively found within "deformation zones", regions of excessive ductile deformation which apparently formed in the latest Archean (Colvine, 1988).
Characteristic features of a deformation zone are illustrated in figure 10.

The overall shape of orebodies tends to be tabular to rod-like with maximum dimension parallel to shearing. The frequently steeply plunging orebody may be parallel to the intersection lineation of the principal shear foliation with a secondary foliation or specific lithology such as iron formation (Colvine, 1988). Many workers note that significant deposits occur within conjugate fracture/fault sets which develop at low angles to the major regional breaks.

Commonly, sites of gold deposition fall within zones of dilation induced by shearing with maximum dilation achieved in highly competent rocks such as felsic intrusions, diorite and iron formation.

Colvine (1988) recently proposed a depositional model for Archean gold deposits which is diagramed in figure 11.

Card, Poulson and Robert (1988) provide succinct descriptions of current genetic models for gold deposition:

1) Magmatic-hydrothermal model - "(Emmons, 1937; Burrows et al, 1986: Wood et al, 1986) proposes derivation of the hydrothermal fluid from ascending magmas generated during late Archean tectonism and metamorphism. The gold could be derived from the magma or from the country rocks by their interaction with the magma and

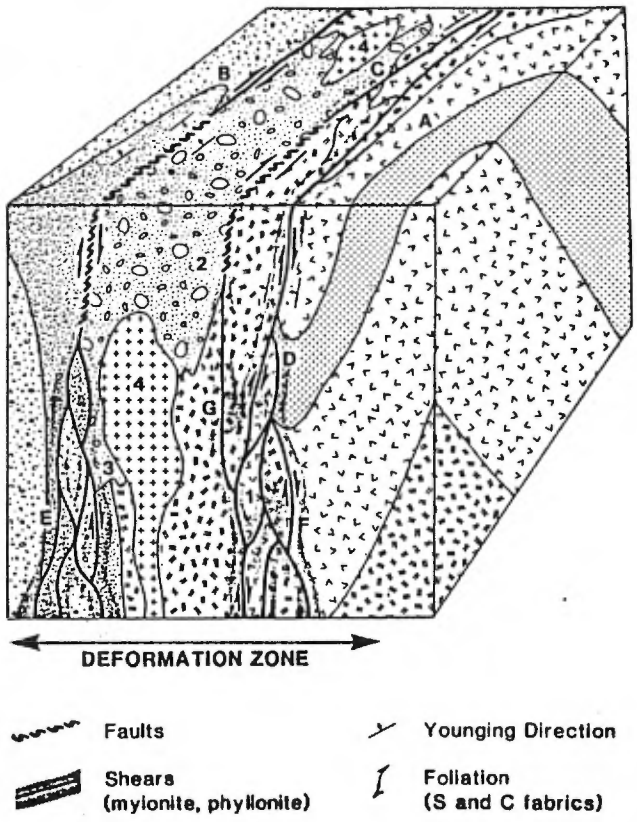


Figure 10: Schematic diagram of a deformation zone showing characteristic features. The effects of the deformation on individual rock units include: (A) rotation, (B) folding, (C) dislocation, (D) truncation, (E) thinning, (F) thickening, (G) repetition. Note that shearing can cause juxtaposition of opposing younging direction (after Colvine, 1988).

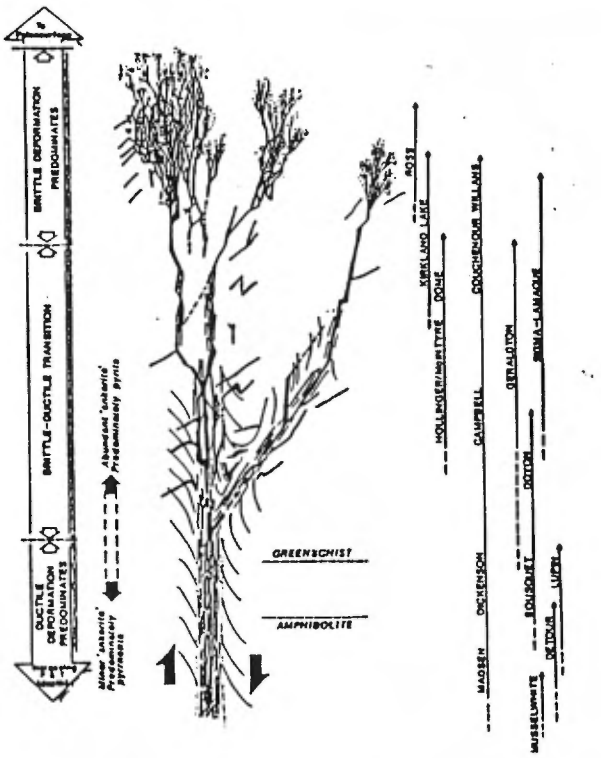


Figure 11: Schematic composition depositional model for Archean gold deposits showing the progressive change in style of mineralization with increasing depth: modified after Colvine et al (after Colvine,

related hydrothermal fluids. Source magmas ..... include those of late felsic porphyries associated with gold deposits or domal tonalite gneiss-granodiorite quartz monzonite bodies intruding the lower part the greenstone belts."

2) Metamorphogenic model - "(Boyle, 1961; Kerrich, 1983; Groves and Phillips, 1987) proposes that the gold is dissolved in an H2O-CO2 fluid released during prograde metamorphism and devolitilization of greenstone belts at depth and focused into major faults and shear zones. In this model, the greenstone belts are the source of all the constituents of the hydrothermal fluids."

3) Granulitization of the lower crust -"(Cameron, 1988; Colvine et al, 1988) as a result of the streaming of CO2 from the mantle (this) causes the release of H2O and the onset of partial melting. These reactions in turn will lead to the leaching of gold and light intermediate lithophile elements from the lower crust. The resulting flow of gold-bearing H2O-CO2 fluidsis focused along major, crustal-scale fault zones."

4) Volcanogenic model - "(Valliant and Hutchinson, 1982; Valliant and Bradbrook, 1986)... the deposits are thought to have formed by exhalative hydrothermal processes active during the waning phases of volcanism, the convection of seawater fluids through the volcanic pile being promoted by high-level intrusions or volcanic centres."

6.0 THE 1989-1990 (WINTER) DIAMOND DRILL PROGRAM

A total of 15,338 feet of diamond drilling in 20 holes was completed over the northwestern portion of the Fourax II Property during the period November 8, 1989 to February 8, 1990. No drilling was carried out during the Christmas break, December 23, 1989 to January 7, 1990.

The program was designed to systematically test the potentially gold-bearing Cadillac-Bouzan Break which crosses the northern part of the claim block.

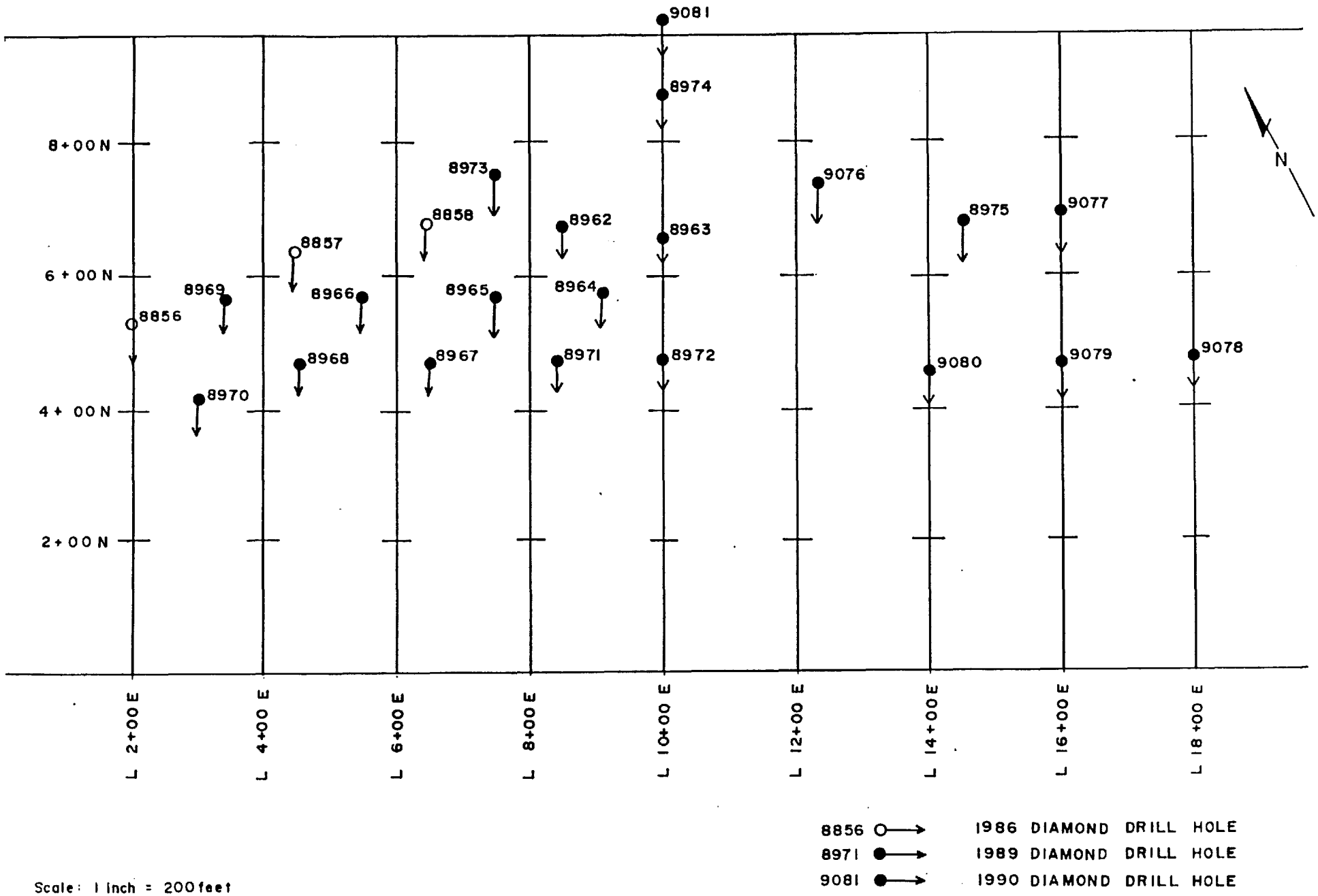
A list of drill hole locations, orientations and footages is given, following. A general location map is provided, figure 12.

Hole No.	Grid Location	Azimuth	Dip	Length (ft)
FX-8962	L8+50E, 6+75N	204	-50	826
FX-8963	L10+00E, 6+50N	205	-50	758
FX-8964	L9+00E, 5+75N	205	-50	640
FX-8965	L7+50E, 5+75N	205	-50	640
FX-8966	L5+50E, 5+75N	205	-50	660
FX-8967	L6+50E, 4+76N	205	-50	577
FX-8968	L4+50E, 4+75N	205	-50	561
FX-8969	L3+50E, 5+75N	205	-50	600
FX-8970	L3+50E, 4+05N	205	-50	600
FX-8971	L8+50E, 4+75N	205	-50	650
FX-8972	L10+00E, 4+75N	205	-50	522
FX-8973	L7+50E, 7+75N	205	-50	965
FX-8974	L10+00E, 8+72N	205	-50	1,181
FX-8975	L14+00E, 6+75N	205	-50	699
FX-9076	L12+00E, 7+30N	205	-50	1,070
FX-9077	L16+00E, 6+75N	205	-50	974
FX-9078	L18+00E, 4+75N	205	-50	591
FX-9079	L16+00E, 4+75N	205	-50	472
FX-9080	L14+00E, 4+75N	205	-50	423
FX-9081	L10+00E, 9+77N	205	-70	1,929
			Total	15,338

The spotting of some drill holes required limited line cutting, particularily on the eastern part of the program area. Lines 10+00E to 18+00E were cut from the Baseline (0+00) to

Figure 12 1989-90 DIAMOND DRILL LOCATION MAP, NORTHWESTERN PART.

FOURAX II PROPERTY



Tieline 8+75N. TL 8+75N was cut from L10+00E east to L18+00E (200-foot line spacing). Total linecutting was 5,175 feet.

BQ-sized core was drilled and all casings into bedrock were left in place at all drill sites. Drill core was logged, sampled and stored at the Minroc Management field office facility at Malartic.

The drilling was ablely performed by Forage Moderne (1985) Inc. of Val d'Or, Quebec.

A total of 2,295 split-core samples were sent to X-Ray Assay Laboratories of Don Mills, Ontario for gold and some silver fire assaying. Sample treatment procedures are as those reported by Newton, 1989.

Jean Luc Corriveau & Associes of Val d'Or, Quebec was commissioned to survey the drill holes. All 1989 drill holes were surveyed late in December, 1989. The 1990 drill holes will be surveyed at a later date.

Techdel International Inc. of Val d'Or, Quebec performed a Light-Log survey on hole FX-9081 on February 8, 1990.

The following on-site contract personnel, representing Minroc Management Limited, were involved with the project:

N.O.Willoughby, BSc (Hons), President, NR&J Resource Associates Limited, Toronto,Ontario.

L.Melchiorre, BSc (Hons), Contract Geologist, Montreal, Quebec.

P.Lytwynec, Technician, Core Sampler, Security Officer, Malartic, Quebec.

M.Lytwnec, Draftsperson, Malartic, Quebec.

Overall project direction and management was provided by G.A.Tremblay, P.Eng., President of Minroc Management Limited.

7.0 RESULTS OF DIAMOND DRILLING

7.1 Introduction

The 1989-1990 drill program tested approximately 1,500 feet of strike length of the Cadillac-Bouzan Break and , together with four 1988 reconnaisance drill holes, a 1,700-foot strike length of this zone is investigated by exploratory drilling to date.

Significant gold mineralization is returned in 12 of the 20, 1989-1990 holes and 3 of the 4, 1988 holes covering a combined strike length of some 1,500 feet. However gold mineralization is not as yet demonstrated to be continuous over this distance. Additionally, several styles of gold mineralization and gold-bearing "litho-structural" catagories are recognized, many of which are found only in a few holes and at this point most show poor or no hole-to-hole correlation.

The concept of "deformation zone" provided useful guidelines to the mapping and logging of drill core such that many mapped units, such as sericite-chlorite schist, designate a zone of intense shearing (structure) rather than any one specific lithology. Hence mapped units are referred to as "litho-structural units".

Diamond drill logs including assay results are provided in Appendix A. Assay certificates are also appended (Appendix B).

7.2 Geology

The majority of holes were collared into massive mafic volcanics or basalt north of the trace of the Cadillac-Bouzan Break and are probably correlative with the regional Blake River Group.

Holes 75 and 81, at the north and northeastern part of the program area, collared into granite porphyry of the Malartic Stock. This intrusive body, also located north of the Break, underlies the northern part of the town of Malartic. Both holes drilled through the granite to mafic volcanic (Blake River Group).

The mafic volcanics become appreciably sheared within 10 to 30 feet of the Break.

South and beneath the Cadillac-Bouzan Break the holes encountered a 200 to 400-foot section of north dipping, intensely sheared mafic-ultramafic tholeiitic volcanics and intercalated finely laminated sediments and magnetite iron formation, probably representative of the regionally designated Piche Group.

Sericite-chlorite schist is common and although frequently associated with laminated sediments and magnetite iron formation may also represent extreme deformation of volcanics. One may also argue that apparent bedding/lamination in "sediments" is shear-induced. Shearing and extension of carbonate-veined and magnetite-rich volcanics possibly impart the carbonate and magnetite-bearing bands frequently observed.

This entire zone of intense shearing which lies south of and beneath the Cadillac-Bouzan Break is herein designated the Fourax Shear Zone.

A number of feldspar porphyry dykes and quartz

vein/breccia zones are also found within the Fourax Shear Zone.

Most holes were terminated in rather non-descript talc-chlorite schist. Deeper holes (58,72,74,76) ended in granite/syenite (porphyry),possibly the northern leading edge of of the Western Porphyry Zone previuosly investigated by drilling in 1986-1988.

A general litho-structural (stratigraphic) column across the Cadillac-Bouzan Break and Fourax Shear Zone on the property is illustrated in figure 13.

7.3 Litho-Structural Rock Units

7.3.1 V7: Massive, Pillowed Mafic Volcanic, Basalt

- aphanitic to fine grained, green to dark green.
- generally massive.
- scattered prominent pillow selvadges frequently altered to carbonate +/- epidote, quartz, biotite, chlorite.
- narrow pillow and/or flow breccia beds common, however no effort was made to map individual flows.
- moderately sheared within 10-30 feet of the Break.

7.3.2 3G,2D: Gabbro, Diorite

- several gabbroic/dioritic sections within V7 are distinguished and apparently represent coarse mafic flow; no intrusive contacts noted.
- generally magnetite-rich.

7.3.3 Cadillac-Bouzan Break

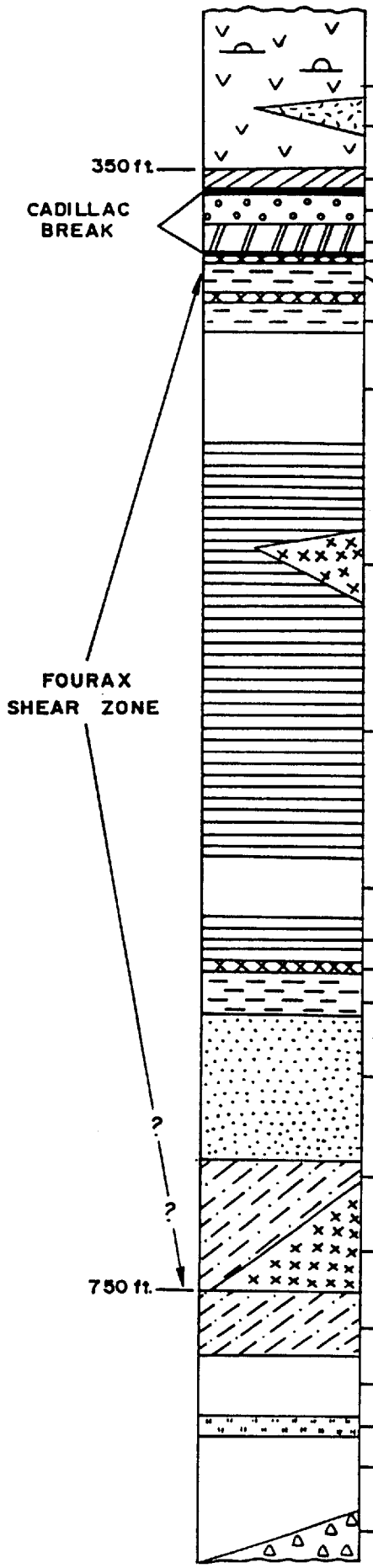
The probable trace of the Cadillac-Bouzan Break is defined as the contact of massive mafic volcanic (including the 10 to 30-foot thick sheared volcanic) with the more intensely sheared and deformed underlying volcanics and sediments of the Fourax Shear Zone.

All holes intersected a 5 to 10-foot section of massive dark green to black, vuggy and extremely magnetic and hard, silicified rock (iron formation?/fault breccia?). This is underlain by 5 to 10 feet of green to dark green iron formation (F1) and laminated tuff (V9). These units underlie the sheared mafic volcanics (V7) and commence the series of interbedded volcanics and sediments of the Fourax Shear Zone.
V9 is variously described in the drill logs as mafic volcanic sediment, mafic tuff and tuffaceous sediment.

Figure 13

TYPICAL LITHOSTRUCTURAL(STRATIGRAPHIC) SECTION THROUGH THE FOURAX SHEAR ZONE, FOURAX II PROPERTY

(BASED ON DRILL HOLES FX-8962, 8973)



V7	Massive to pillowed mafic volcanic, basalt; some pillow breccia and flow top breccia.
3G,2D	Gabbro to diorite, coarse mafic volcanic.
V7	Zone of shearing.
FIor V7	Massive and vuggy extremely magnetic iron formation (ironstone) or volcanic.
FIor V9	Laminated iron formation and/or mafic tuff.
IR	
SI,FI	Interbedded fine grained laminated sediments and siliceous magnetite iron formation.
V7,VI3	Sheared mafic-ultramafic volcanic.
IR,Q.V.	Intrusive feldspar porphyry, brecciation with silica flooding, quartz veining; ankerite-quartz± fuchsite veining, breccia.
M2,FI	Interbedded sericite-chlorite schist, magnetite iron formation; minor talc-chlorite schist and laminated sediments, probably some volcanic; possible carbonate-facies iron formation.
V7,VI3	
M2	Sericite-chlorite schist.
IR	
FI,M2	
VI3,MI±M2	Ultramafic volcanic, talc-chlorite schist; some sericite-chlorite schist; occassional narrow siliceous iron formation.
MI	Talc-chlorite schist.
IR	Intrusive feldspar porphyry.
MI	Talc-chlorite schist.
VI3,V7,4P	Ultramafic-mafic volcanic, peridotite.
2D	Diorite
VI3,V7, 4P	Ultramafic-mafic volcanic, peridotite.
IS,IG	Syenite, monzonite

Approximate scale: 1" = 60 ft.

Drawn by: M.Lytwynec

7.3.4 Fourax Shear Zone

a) S,F1: Laminated Sediments, Magnetite Iron Formation

- these two units commonly interbedded.
- green to grey green, fine to very fine grained and finely laminated.
- laminated sediment generally consists of alternating sericite-chlorite-carbonate and occasionally quartz laminae; possibly an argillite; some workers in the region call the unit mafic tuff.
- magnetite iron formation consists mainly of chlorite+/-sericite-magnetite - rich laminae with alternating and usually thinner carbonate+/-quartz laminae; some laminae relatively silicious and pyritic.
- frequently laminations are discontinuous, boudined and crenulated due to shearing, deformation (folding?); resulting fragmentation may induce a tuff-like aspect to the rock.
- frequently injected by carbonate-ankerite+/-quartz-albite veins.
- some dark green, poorly laminated to massive iron formation may be sheared mafic volcanic or diorite; consists of elliptical to elongate streaks of carbonate which possibly represents sheared/fragmented altered (feldspathic) groundmass.
- laminated sediment may shear to sericite-chlorite schist (M2); suggests that some laminae may be the final stage of intense shearing with vein material as the probable source of carbonate-quartz-rich compositional layers.

b) M2: Sericite-Chlorite Schist

- grey green to light grey green, fine grained.
- extremely fissile.
- possibly intensely sheared laminated sediment (S) or mafic volcanic (V7).
- frequently veined by carbonate-ankerite+/-quartz as irregular patches or fragments (defomed) generally lineated parallel to schistosity.
- occurs as interbeds with laminated sediment and magnetite iron formation, less frequently as narrow sections within mafic-ultramafic volcanic (V7, V13).

c) V7: Mafic Volcanic

- similar to sheared volcanic described at the base of mafic volcanic above the Cadillac-Bouzan Break.

d) V13, M1, 4P: Ultramafic Volcanic, Talc-Chlorite Schist, Peridotite

- fine to medium grained, light grey green to bluish grey green.
- moderately to strongly magnetic.
- ultramafic volcanic (V13) is variably carbonatized, serpentinized and talcose; frequently veined by carbonate-ankerite +/- quartz; although relatively massive, shows good cleavage parallel to local schistosity/foliation.
- talc-chlorite schist (M1) is similar to V13 however extremely sheared; contains numerous angular to rounded/elliptical carbonate-ankerite +/- quartz vein fragments stretched parallel to schistosity; in places stretching is sufficiently extreme to impart a pseudo-lamination to the rock; laminae frequently exhibits folding/slumping features, micro-faulting and variable schistosity orientation over short widths.
- peridotite (4P) or ultramafic flow is medium grained and similar in aspect to V13; contains up to 20% serpentinized subhedra of olivine/pyroxene phenocrysts; greater tendancy to serpentine veining and alteration; also shows good parting parallel local schistosity.
- some of the more massive-appearing ultramafic volcanics at the base of a number of drill holes may fall outside and below the Fourax Shear Zone.

7.3.5 Intrusive Rocks

a) 1R: Feldspar Porphyry

- generally pale brownish grey to pinkish-brown grey.
- massive to moderately foliated.
- contains < 5% to 55% white feldspar phenocrysts, averaging 25%.
- commonly as intrusive dykes and sills into the rocks of the Fourax Shear Zone and underlying ultramafics.
- compositionally the majorirty of porphyries are intermediate to felsic; darker coloured, more mafic-looking, silicified porphyry is noted in drill holes east of L12+00E.
- many porphyries contain 3-10% finely disseminated pyrite.
- numerous white to grey quartz-albite veins and breccia/alteration zones may be related to the porphyry intrusive event; commonly show vague ghost-like relic feldspar phenocrysts.

b) 1G,1S: Granite-Monzonite, Syenite (Porphyry)

- pinkish grey to brownish and orange-red, massive.
- medium grained, equigranular; occasional feldspar phenocrysts; generally minor to nil quartz.
- both white and reddish orange (potassic) feldspars as

the main constituent; 10-15% amphibole/chlorite.

- usually intersected towards the base of several holes and consequently possibly related to the Western Porphyry situated just south of the program area.

c) 1G: Granite Porphyry

- grey to dark grey and pinkish grey.
- massive and coarse grained.
- contains 5% large (1cm) pink and zoned potassium feldspar phenocrysts, within a coarse matrix of potassium feldspar (35%), plagioclase (30%0, quartz (20%) and amphibole/biotite (10%).
- also a porphyritic bimodel variety containing 1% 1cm feldspar and 45% 2-3 mm feldspar within a 40% grey aphanitic matrix.
- part of the Malartic Stock which intrudes massive mafic volcanic north of the Break.

d) Q.V.: Quartz Veining

The majority of quartz veins are apparently shear veins, ie parallel to sub-parallel to schistosity. Quartz usually is accompanied by one or more of albite, ankerite, carbonate and tourmaline.

The most common veins are ribbon veins which contain numerous slivers and elongate inclusions of wall rock for example at 488.3-512.2 ft. in hole 63. Grey quartz veining alternates with slivers of pyritic sediment/volcanic in the vicinity of the quartz vein-host rock contact.

White bull quartz veining is found occassionally, generally in the vicinity of a feldspar porphyry dyke. At 689-722.2 ft. in hole 62, white bull quartz is hosted by talc-chlorite schist. Aside from host rock inclusions, the contact areas show some brecciation and contain scattered tourmaline.

Layered veining consisting of greyish quartz with narrow albite and tourmaline borders at the host rock contact occur as relatively thin veins in mainly sediments and sericite-chlorite schist, for example hole 64 at 342.8-344.7 ft..

Quartz-ankerite stockwork is described in all rock types but usually not as large sections and often associated with typical veining such as at 410.9-421.6 ft., hole 63.

Apparently most of the veins bear a spatial relationship to feldspar porphyry as at 442-462 ft., hole 65 where numerous thin porphyry dykelets comprise a large portion of this quartz vein zone. Veining and quartz flooding also pervade the dykelets.

Brittle fracture-filled veins are mapped in the massive mafic volcanic north of the Break. Many are mineralized with

galena and chalcopyrite.

e) QAF: Quartz-Ankerite-Fuchsite Vein, Breccia and Alteration

These white, somewhat irregular veins and breccia zones are intersected in several drill holes. They contain a low proportion of thin lineated slivers of fuchsite and bring to mind the carbonate-facies exhalites reported at gold deposits at Timmins and the Kerr Addison and Cheminis deposits at Virginia Town and Larder Lake.

Examples include holes 66 (298.4-307.5 ft.), 73 (489.6-507 ft.), and 76 (825.5-846 ft.).

7.4 Gold Mineralization

A review of all significant gold intersections ie > 0.03 opt Au, as listed in Table 2, indicate that the majority of gold intercepts are returned from magnetite iron formation and associated laminated sediments or sericite-chlorite schist (36 of a total of 90). Gold values hosted by feldspar porphyry account for 18 intercepts with some additional 6 values contained within iron formation in contact with porphyry. A total of 17 gold values are returned from granite/syenite (felsic) intrusive.

Brief descriptions of these styles of gold mineralization is presented following.

7.4.1 Iron Formation/Sediment-Hosted Gold

Three variations are noted:

1) quartz-carbonate-veined (layered shear veins), usually schistosity/lamination parallel (50-80 deg TCA), with attendant silicification, some carbonatization and 5-30% pyrite, mainly as laminae (sulphidization of magnetite?). Rarely pyrite within veins. Occassional slightly oblique pyrite veinlets. Tourmaline a sometimes constituent of veins.

2) brecciated laminated sediment +/- iron formation with some quartz-carbonate veining, breccia-filling with silicification and minor carbonatization. Up to 30% pyrite as masses, stingers and veinlets, infrequently as bands.

TABLE 2 : SIGNIFICANT DIAMOND DRILL HOLE INTERSECTIONS FOURAX SHEAR ZONE
FOURAX II PROPERTY, 1988-1990

Hole No.	Location	Depth (feet)		Assay (opt Au)	Width (feet)	Footage	Host Rocks
FX-8856	L2+00E, 5+31N	667		0.090*	7.5	253.5-261.0	pyritic iron formation
			-w	0.110	2.5	258.5-261.0	
				0.110	2.0	302.0-304.0	bx iron formation
FX-8857	L4+00E, 6+26N	567		0.110	2.0	441.0-443.0	iron formation
				0.340*	10.5	500.0-510.5	felsic intrusive
			-w	1.390*	2.0	504.0-506.0	
				0.052	2.0	513.0-515.0	" "
				0.055	1.5	534.0-535.5	" "
				0.100*	6.5	535.5-542.0	" "
				0.060	5.0	542.0-549.0	" "
				0.045	2.0	554.0-556.0	" "
				0.070	2.5	558.5-561.0	" "
FX-8858	L6+00E, 6+81N	787		0.230*	17.5	642.0-659.5	felsic intrusive
			-w	0.250	2.5	642.0-644.5	
			-w	1.380*	2.0	649.0-651.0	
				0.150	4.0	662.0-666.0	" "
				0.048	4.5	673.0-677.5	" "
				0.130	2.5	742.0-744.5	" "
FX-8962	L8+50E, 6+75N	826		0.045	1.9	479.1-481.0	laminated sediment/IF
				0.044	2.5	483.2-485.7	" "
				0.037*	15.8	661.0-676.8	feldspar porphyry/sediment
			-w	0.068	2.7	663.5-666.2	
			-w	0.061	2.3	672.0-674.3	
				0.055*	22.7	711.2-733.9	fel por/qtz vein/IF
			-w	0.111	2.3	716.1-718.4	
			-w	0.132*	5.0	728.9-733.9	
				0.075	1.5	741.6-743.1	talc schist/IF
FX-8963	L10+00E, 6+50N	758		0.030	4.4	457.6-462.0	mafic volcanic/qtz veining
			-w	0.054	1.0	459.6-460.6	
				0.044	2.7	478.3-481.0	quartz-carbonate vein,bx
				0.076	2.5	507.2-509.7	" "
				0.030	2.5	527.0-529.5	iron formation/qtz vein
FX-8964	L9+00E, 5+75N	640		0.032	3.1	294.0-297.1	iron formation/qtx veining
				0.040	1.8	312.3-314.1	sericite schist/qtz vein
				0.033	2.0	331.1-333.1	mafic volcanic
				0.110*	4.2	344.7-348.9	feldspar porphyry
				0.050	1.6	354.0-355.6	quartz vein in ser schist
				0.060*	6.7	446.3-453.0	feldspar porphyry/IF
			-w	0.100	0.9	446.3-447.2	
				0.110	1.3	501.0-502.3	feldspar porphyry
FX-8965	L7+50E, 5+75N	640		0.078	2.6	343.4-346.0	sediment/qtz veining
				0.038*	35.9	432.0-467.8	qtz vein-bx, feldspar por
			-w	0.100	1.5	438.2-439.7	
			-w	0.050	2.7	439.7-442.0	
			-w	0.071	2.1	450.2-452.3	
			-w	0.058	2.0	455.7-457.7	
			-w	0.103	2.0	465.8-467.8	
				0.037	1.5	467.8-469.3	" "
FX-8966	L5+50E, 5+75N	660		0.038	8.7	300.8-309.1	qtz-ank vein, bx zone
			-w	0.051	1.8	305.7-307.5	
				0.039	1.5	339.2-340.7	mafic volcanic/fel por
				0.041	2.5	344.0-346.5	feldspar porphyry
FX-8967	L6+50E, 4+76N	577		0.052	0.8	196.2-197.0	sediment/IF
				0.053	2.6	205.5-208.1	iron formation
				0.113*	3.7	211.3-215.0	chl sz/IF/fel por
			-w	0.090	1.9	211.3-213.2	
			-w	0.286	0.8	213.2-214.0	
				0.268*	5.3	228.5-233.8	feldspar porphyry/IF
			-w	0.934*	1.3	228.5-229.8	
			-w	0.070	2.1	231.7-233.8	
FX-8968	L4+50E, 4+75N	561		0.044	1.0	155.7-156.7	iron formation/qtx vein
FX-8969	L3+50E, 5+75N	600		0.055	2.0	350.0-352.0	iron formation/qtz veining
FX-8970	L3+50E, 4+05N	600		0.087	1.5	127.0-128.5	iron formation

TABLE 2 (cont)

FX-8971	L8+50E, 4+75N	650		0.092*	13.8	211.7-225.5	IF/qtz veining/fel por
			-w	0.520*	1.8	211.7-213.5	
			-w	0.096	1.3	221.2-222.5	
			-w	0.077	1.7	222.5-224.0	
				0.051	1.6	309.1-310.7	feldspar porphyry
				0.075*	15.7	317.0-332.7	feldspar porphyry/IF
			-w	0.139*	5.0	317.0-322.0	
				0.078*	6.0	594.0-602.0	mafic volcanic
			-w	0.180	2.0	598.0-600.0	
				0.032	4.0	606.0-610.0	ultramafic volcanic
FX-8972	L10+00E, 4+75N	522		0.650*	1.7	178.1-179.8	iron formation, bx
				0.042	2.4	217.5-219.9	sericite schist
				0.095	0.9	288.9-289.8	iron formation
FX-8973	L7+50E, 7+75N	965		0.140	2.0	617.0-619.0	sediment/IF
				0.133*	6.9	621.9-628.8	sediment
			-w	0.200	2.0	621.9-623.9	
			-w	0.190	1.1	627.7-628.8	
				0.227*	4.6	690.2-694.8	iron formation
			-w	0.646*	1.5	693.7-694.8	
				0.032	3.3	819.2-822.5	sericite schist/qtz vein
				0.082	1.0	862.0-863.0	feldspar porphyry/qtz vein
				0.063	1.4	880.6-882.0	" "
FX-8974	L10+00E, 8+75N	1,181		0.031	3.7	355.7-359.4	quartz vein in mass.vol
				0.061	2.3	712.0-714.3	sediment/IF
				0.094*	5.3	767.6-772.9	volcanic/IF
			-w	0.240	1.3	767.6-768.9	
				0.064*	12.1	774.9-787.0	iron formation
			-w	0.110*	4.0	779.0-783.0	
				0.145*	4.8	877.0-883.8	sediment/IF
			-w	0.310*	2.0	879.8-881.8	
				0.141*	12.7	909.0-921.7	quartz vein/sediment
			-w	0.209*	7.2	914.5-921.7	
				0.049	1.3	970.7-972.0	feldspar porphyry
				0.120*	3.0	1016.0-1019.0	iron formation
				0.040	1.6	1036.0-1037.6	" "
				0.444*	8.6	1050.0-1058.6	" "
			-w	0.300	2.0	1052.0-1054.0	
			-w	0.695*	2.0	1054.0-1056.0	
			-w	0.870*	1.5	1056.0-1057.5	
				0.031	2.0	1102.0-1104.0	feldspar porphyry
				0.140	2.5	1138.0-1140.5	felsic intrusive
FX-8975	L14+00E, 6+75N	699		0.037	4.9	525.9-530.8	iron formation
				0.041	5.8	573.6-579.4	feldspar porphyry
				0.047	2.0	588.9-590.9	sediment/IF
FX-9076	L12+00E, 7+30N	1,070		0.044	1.5	497.4-498.9	qtz-ank vein, bx
				0.034	5.3	540.7-546.0	" "
				0.044	2.1	551.4-553.5	qtz vein/fel por
				0.129*	4.1	568.3-572.4	feldspar porphyry
			-w	0.230*	1.7	570.7-572.4	
				0.032	14.9	581.0-595.9	fel por/qtz vein
			-w	0.064	2.3	593.6-595.9	
				0.060	2.2	620.0-622.2	" "
				0.060	2.8	655.6-658.4	iron formation
				0.130	2.7	741.2-743.9	feldspar porpyhyry
				0.035*	44.0	831.8-875.8	felsic intrusive
			-w	0.055*	17.8	856.9-875.8	
			-w	0.110	2.7	856.9-859.6	
			-w	0.130	3.8	869.5-872.0	
				0.063*	31.5	890.9-922.4	" "
			-w	0.277*	6.2	896.0-902.2	
			-w	0.470*	3.1	899.1-902.2	
				0.044*	41.1	966.9-1008.0	" "
			-w	0.096*	10.6	973.4-984.0	
			-w	0.180	3.4	980.6-984.0	
				0.034	7.2	1015.4-1022.6	" "
			-w	0.053	2.4	1015.4-1017.8	
				0.077	2.4	1042.5-1044.9	felsic intrusive/qtz vein
FX-9077	L16+00E, 6+75N	974		0.193*	9.3	548.0-557.3	iron formation/qtz vein
			-w	0.140	1.0	548.0-549.0	
			-w	0.350*	2.5	549.0-551.5	
			-w	0.180	2.0	551.5-553.5	
			-w	0.190	1.8	555.5-557.3	
				0.127*	11.1	582.4-593.5	" "
			-w	0.100	3.4	585.6-589.0	
			-w	0.280*	2.0	589.0-591.0	
			-w	0.120	2.5	591.0-593.5	

TABLE 2 (cont)

FX-9078	L18+00E, 4+75N	591		0.049	3.5	237.0-240.5	quartz vein in vol
			-w	0.077	1.0	237.0-238.0	
			-w	0.061	1.0	238.0-239.0	
FX-9079	L16+00E, 4+75N	472		0.379*	6.1	300.9-307.0	iron formation
			-w	0.641*	2.7	300.9-303.6	
			-w	0.170	3.4	303.6-307.0	
FX-9080	L14+00E, 4+75N	423		0.046	3.0	296.0-299.0	feldspar porphyry
FX-9081	L10+00E,	1,929		0.150*	2.4	76.4-78.8	qv in mafic vol
				0.660*	2.0	319.4-321.4	qv in mafic vol
				0.093	2.5	1,627.5-1,630.0	iron formation
				0.248*	3.8	1,680.0-1,683.8	iron formation
				0.097	4.7	1,689.0-1,693.7	talc schist

3) usually narrow, crosscutting quartz-carbonate veins at 0-20 deg TCA commonly occur within both 1) and 2). Contain scattered splashes of pyrite and chalcopyrite. Some of the highest gold values in iron formation/sediment are returned from sections containing these low angle veins.

Examples:

Hole 72 - Type (2) 178.1-179.8 ft. ... 0.650 opt Au/1.7 ft.
- silicified, carbonatized and brecciated iron formation with 15-20% disseminations, masses of py plus some stringers trending slightly oblique to schistosity.
- some late quartz veinlets crosscutting at 70 deg TCA.
- some foliation parallal quartz veins to base.

Hole 73 - Type (1) 690.2-694.8 ft. ... 0.227 opt Au/4.6 ft.
- silicified magnetite iron formation and sericite-chlorite schist with 3% quartz-ankerite+/-carbonate veinlets, bands.
- 20% py as disseminations within bands.

Hole 74 - Type (2), (3) 877-883.8 ft. .. 0.145 opt Au/4.8 ft.
- silicified and carbonatizated sericite-chlorite schist and iron formation; somewhat brecciated with no continuous laminations.
- 15% disseminations, blebs and irregular masses py; several narrow crosscutting massive py veinlets at 88 deg TCA.
- a few quartz veinlets at 15-20 deg TCA with traces py,cp.

7.4.2 Feldspar Porphyry-Hosted Gold

Sections of feldspar porphyry which return significant gold values are generally characterized by extensive local pervasive quartz flooding and/or foliation-parallel to low angle (0-25 deg TCA) quartz veins. Pyrite content ranges 2-15%, mainly in the host porphyry with low concentrations in flooded and veined areas. Albite and tourmaline are occassional vein and flooding constituents.

As is the case with iron formation/sediment, some of the best gold values in porphyry are associated with the low angle TCA quartz veins which may contain some pyrite. For example, hole 62 at 730.8-732.6 ft. assayed 0.196 opt Au/1.8 ft.

In general, gold values in feldspar porphyry are lower than those in iron formation.

Table 3 lists a number of significant gold values associated with feldspar porphyry.

Significant gold intersections related to low angle quartz veins in both iron formation and feldspar porphyry are listed following:

Hole	Assay (opt Au)	Width	Footage	Host Rock
62	0.196	1.8	730.8-732.6	porphyry
65	0.100	1.5	438.2-439.7	porphyry
67	0.148	2.7	211.3-214.0	iron formation
	0.934	1.3	228.5-229.8	iron formation
70	0.087	1.5	127.0-128.5	iron formation
71	0.520	1.8	211.7-213.5	iron formation
73	0.133	6.9	621.9-628.8	iron formation
74	0.160	4.0	879.8-883.8	iron formation
	0.444	8.6	1050-1058.6	iron formation

7.4.3 Iron Formation-Hosted Gold Adjacent to Feldspar Porphyry

At least 6 significant gold intersections in iron formation/sediment occur adjacent to or in the vicinity of both mineralized and unmineralized feldspar porphyry (dykes). Although the tendancy is to suppose feldspar porphyry injection had some role in gold deposition in iron formation, clearly gold is related to quartz veining with associated alteration and sulphidization in both iron formation/sediment and to quartz veining and flooding in feldspar porphyry. The following examlpes are sited:

Hole 62: at 661.0-676.8 ft. assayed 0.037 opt Au/15.8 ft.
- with mineralized porphyry at 661.0-676.8 ft. containing numerous quartz veinlets both parallel foliation and at low angles TCA; some tourmaline; 10-15% diss py.
- at 674.3-676.8 ft., sericite-chlorite schist assayed 0.027 opt Au/2.5.

Hole 62: at 711.2-733.9 ft. assayed 0.055 opt Au/22.7 ft.
- with mineralized porphyry at 728.9-732.5 ft. assaying

TABLE 3 : LIST OF INTERSECTIONS OF THE AURIFEROUS FELDSPAR PORPHYRY HORIZON (SILL?) AND ASSOCIATED QUARTZ FLOODING, QUARTZ-ALBITE, QUARTZ-ANKERITE VEINING, BRECCIATION (refer to map 1)

Hole No.	Map Section		Footage	Width	Description	Gold Assay (opt)	Intercept	Width
70	3+50E		136.0-255.0	119.0	fel por			
		-w	143.4-150.0	6.6	ser sch, qv			
		-w	166.5-217.0	50.5	sed, vol			
69	3+50E		386.0-465.5	79.5	fel por, sed	0.013	400.0-401.5	1.5
		-w	386.0-399.0	13.0	ser sch, qv			
		-w	404.5-447.0	42.5	ser sch, fel por, q-ank v			
		-w	447.0-462.9	15.9	vol, carb, ser			
68	4+50E		187.7-218.9	31.2	fel por			
57	4+50E		491.0-563.0	72.0	fel por/intru minor vol	0.340	500.0-510.5	10.5
						0.052	513.0-515.0	2.0
						0.055	534.0-535.5	1.5
						0.100	535.5-542.0	6.5
						0.060	542.0-549.0	5.0
						0.045	554.0-556.0	2.0
						0.070	558.5-561.0	2.5
66	5+50E		339.2-363.0	23.8	fel por	0.021	339.2-356.5	17.3
		-w	339.2-339.8	0.6	vol, sil			
67	6+50		228.5-260.8	62.3	fel por, qv	0.268	228.5-233.8	5.3
		-w	228.5-229.8	1.3	IF	0.934	228.5-229.8	
58	6+50E		586.0-751.0	165.0	fel por/intru minor vol	0.230	642.0-659.5	17.5
						0.150	662.0-666.0	4.0
						0.048	673.0-677.5	4.5
						0.130	742.0-744.5	2.5
65	7+50E		432.0-492.4	60.4	fel por, qv minor vol	0.038	432.0-467.8	35.8
						0.100	438.2-439.7	1.5
						0.103	465.8-467.8	2.0
73	7+50E		812.2-914.3	102.1	fel por, qv	0.021	817.0-825.5	8.5
		-w	900.6-904.7	4.1	ser sch	0.016	846.0-882.0	36.0
						0.082	862.0-863.0	1.0
						0.063	880.6-882.0	1.4
71	8+50E		309.1-335.0	25.9	fel por, sed	0.051	309.1-310.7	1.6
		-w	315.1-335.0	19.9	sed/IF, fel por	0.026	313.2-315.1	1.9
						0.139	317.0-322.0	5.0
62	8+50E		661.0-750.9	89.9	fel por, qv	0.037	661.0-676.8	15.8
		-w	674.3-689.0	14.7	sed, vol	0.068	663.5-666.2	2.7
						0.061	672.0-674.3	2.3
						0.055	711.2-733.9	22.7
						0.111	716.1-718.4	2.3
						0.132	728.9-733.9	5.0
64	9+00E		323.5-414.0	90.5	fel por/qv, sed	0.033	331.1-333.1	2.0
		-w	323.5-333.1	9.6	vol	0.110	344.7-348.9	4.2
						0.050	354.0-355.6	1.6
72	10+00E		190.2-259.5	69.3	sed/qv,fel por	0.042	217.5-219.9	2.4
		-w	190.2-245.7	55.5	sed, qv	0.017	241.3-244.6	3.3
63	10+00E		457.6-512.2	54.6	qv, bx. vol	0.030	457.6-462.0	4.4
						0.044	478.3-481.0	2.7
						0.076	507.2-509.7	2.5
74	10+00E		896.0-957.5	61.5	qv, sed, vol, fel por	0.141	909.0-921.7	12.7
						0.260	918.5-920.5	2.0
						0.340	920.5-921.7	1.2
76	12+00E		568.3-626.0	57.7	fel por, qv	0.129	568.3-572.4	4.1
		-w	572.4-580.9	8.5	talc sch	0.032	581.0-595.9	14.9
						0.022	613.5-627.1	13.6
80	14+00E		281.7-334.0	52.3	sed/qv, fel por	0.046	296.0-299.0	3.0
75	14+00E		554.6-578.8	24.2	fel por/qv, sed	0.041	573.6-579.4	5.8
79	16+00E		?					
77	16+00E		?					
78	18+00E		237.0-246.0	9.0	qv, vol	0.049	237.0-240.5	3.5

0.139 opt Au/3.7 ft.; with quartz flooding and a few low angle quartz-py-filled fractures.
- sheared, silicified laminated sediment and iron formation at 732.6-733.9 ft.; 5-10% diss py plus some narrow porphyry dyklets; assayed 0.111 opt Au/1.3 ft.

Hole 67: at 211.3-215.0 ft. assayed 0.113 opt Au/3.7 ft.
- with silicified, pyritic iron formation at 211.3-213.6 ft. and several low angle quartz veins containing some py; assayed 0.090 opt Au/1.9 ft.
- at 213.6-214.0 ft., chloritic shear zone with 20% quartz-carbonate shear veins; 3 of the veins are pyritic; assayed 0.268 opt Au/0.8 ft.
- fractured feldspar porphyry with 5% py at 214-215 assayed 0.017 opt Au/1 ft.

Hole 67: at 228.5-233.8 ft. assayed 0.268 opt Au/5.3 ft.
- silicified and quartz+/-carbonate veined (15%) iron formation with 15% py blebs, diss and stringers, mainly within silica-rich bands and quartz veins assayed 0.934 opt Au/1.3 ft. at 228.5-229.8 ft.
- remainder of interval is quartz-veined feldspar porphyry containing 5% diss py and assayed 0.052 opt Au/4 ft.

Hole 71: at 211.7-225.5 ft. assayed 0.092 opt Au/13.8 ft.
- preceded by barren feldspar porphyry at 209.2-211.7 ft.
- at 211.7-213.5 ft. iron formation/sediment with 50% quartz-carbonate veining and silicified, quartz flooded, containing 25% py masses at 212.4-212.6 ft.; entire section assays 0.520 opt Au/1.8 ft.
- to 224 ft., brecciated, carbonatized and silicified iron formation with 10-15% py masses and diss; some py veinlets oblique to laminae; assays 0.086 opt Au/2.8 ft.

Hole 71: at 317-322 ft. assayed 0.139 opt Au/5 ft.
- the section consists of carbonatized sericite-chlorite schist plus minor iron formation with 1-5% py; a narrow porphyry at base.
- overlain by weakly gold anomalous quartz flooded feldspar porphyry at 309.1-315.1 ft.

7.4.4 Gold in (Felsic) Syenite/Granite Intrusives

Significant gold values are returned from fractured and bleached, potash metasomatized syenitic/granitic intrusive rocks at the base of holes 74, 76 and 58 (feldspar porphyry?). These rocks may be part of the Western Porphyry Zone.

Gold values are returned from pyrite-filled fractures as

at 899.1-902.2 ft. (0.470 opt Au/3.1 ft.) in hole 76 and from quartz-albite veins as at 980.6-984.0 ft. (0.180 opt Au/3.4 ft.) also in hole 76.

Other gold values are listed Table 2.

7.4.5 Other Gold Intersections

1) Mineralized Quartz Vein and Breccia Zones

Possibly related to feldspar porphyry are relatively wide sections of blue-grey to white quartz veins in holes 63, 65 and 74.

A quartz vein, breccia and flood zone containing narrow porphyry and pyritic laminated sediments at 442-462 ft. in hole 65 is sandwiched between two mineralized porphyries at 432-442 ft. and 462- 469.3 ft. The entire interval assays 0.038 opt Au/35.9 ft. Anomalous gold values are returned in the quartz vein zone.

Additionally quartz vein zones of similar aspect in holes 63 (at 459.6-512.2 ft.) and 74 (at 896-929 ft.) contain sporadic anomalous gold values (hole 63) to significant intersections (hole 74 ; 0.141 opt Au/12.7 ft. at 909-921.7 ft.).

2) Quartz-Ankerite-Fuchsite Vein, Breccia and Alteration Zones

Anomalous gold concentrations from this style of vein mineralization is noted in holes 66 (at 300.8-309.1; assays 0.038 opt Au) and 76 (at 497.4-498.9 ft. assays 0.044 opt Au and at 540.7-546 ft. assays 0.034 opt Au).

3) Quartz-Veined and Altered Mafic-Ultramafic Volcanics in the Fourax Shear Zone

Numerous anomalous values from various holes with a notable intersection in hole 71. A biotitized alteration zone at 596-602 ft. and containing ankerite+/-quartz veining, patchy alteration and brecciation plus 15% diss, masses of py assays

0.078 opt Au/6 ft. The section contains a 2-foot section grading 0.180 opt Au.

4) Quartz Veins in Massive Volcanics (Blake River Group)

Numerous grey to white quartz veins are contained in mafic volcanics of the Blake River Group. Many are mineralized with minor galena and chalcopyrite and returned low gold assays.

Several grains of visible gold are noted in a 2-foot wide quartz vein in hole 81 at 319.4-321.4. The core was split such that the majority of the VG was left in the core box. The more barren sample assayed 0.660 opt Au.

A quartz vein in gabbro, also in hole 81, assayed 0.150 opt Au over 2.4 ft. at 76.4-78.8. The host rock contains 10% dissemminated pyrite.

7.5 Light Log Survwy

A Light Log survey was carried out on hole FX-9081 (1,929 ft.) to test for lateral deviation in the hole and to provide insight as to possible wandering in the other holes.

Survey results are provided in Appendix C. Techdel chose an arbitrary orientation to the hole for their work as they were not provided with program details. Therefore the column "Northing" in the table of data is the direction of the hole which was azimuth 205 and numbers in the "Easting" column are all negative.

The survey indicates that the hole deviated approximately 57 feet to the east of section at the maximum depth of the survey, 1,860 ft. A dip of 55 deg is indicated for the hole at this depth compared to acid test values of 59 deg at 1,771 ft. and 57 deg at 1,929 ft.

Although these results suggest minor deviation in all the drill holes it should be realized that hole 81 (initial dip -70 deg) generally cut a larger package of more competent rock, namely 1,539 ft. of massive mafic volcanic (Blake River Group) and granite (Malartic Stock) at 63-1,602 ft. and 210 ft. of granite porphyry at 1,719-1,929 ft. The other holes, with initial drill angles of 50 deg, intersected mainly the less competent lithologies laminated sediment, sericite-chlorite schist, talc-chlorite schist and ultramafic volcanics and may show more deviation.

8.0 CORRELATION AND INTERPRETATION

A series of diamond drill crossections at a scale of 1" to 40 ft. are completed. The sections, from west to east, are:

3+50E	9+00E
4+50E	10+00E
5+50E	12+00E
6+50E	14+00E
7+50E	16+00E
8+50E	18+00E

From these sections a horizontal (surface) projection map showing geology and mineralized zones was prepared (Map 1) to aid in the following interpretation.

8.1 Litho-Structural Correlation

As previously indicated (section 7.2 Geology and figure 13) at least four (4) broad litho-structural catagories are readily distinguished across the entire length of the survey area. From north to south these are; (1) massive and pillowed mafic volcanics of the Blake River Group, (2) the Cadillac-Bouzan Break, (3) intensely sheared laminated sediments/magnetite iron formation, sericite-chlorite schist, some mafic-ultramafic volcanics of the Fourax Shear Zone and (4) talc-chlorite schist, ultramafic-mafic volcanics, which may be part of the Fourax Shear Zone. Both (3) and (4), as far as can be determined, belong to the Piche Group.

The trace of the Cadillac-Bouzan Break is fairly well established in all but one drill hole (hole 70). The lithologic characteristics are described in section 7.3.3. The dip of the Break, as measured from drill sections with more than one hole crossing the trace, varies from vertical in the east to steeply north dipping over the central part and south dipping at the

western part of the property. Measurements of dips from drill sections are as follows:

Section 3+50E	one hole
4+50E	85 deg S
5+50E	one hole
6+50E	85 deg S
7+50E	78 deg N
8+50E	85 deg N
9+00E	one hole
10+00E	75 deg N to vertical
12+00E	one hole
14+00E	vertical
16+00E	vertical
18+00E	one hole

Detailed lithological correlation within the Fourax Shear is obviously hampered by the pervasive schistosity which characterizes the zone. Core angle measurements of schistosity indicate dips, on average, of from 70 to 80 deg to the north. Some narrow sections in drill core show dips of vertical to 50 deg south and may indicate fold hinges or fault structures.

Confidence to stratigraphic indicators is assigned to the relatively more competent bedded/laminated sediments and magnetite iron formation lithologies. These units, which for the most part remain less affected by the pervasive shearing, show bedding attitudes of 45 to 55 deg north. In many cases schistosity trajectories within sericitic-chloritic +/- talcose units flatten close to the contacts of laminated sediments and align with presumed bedding.

However the laminated sediment/iron formation failed to provide a key horizon for correlation. This is presumably a result of stretching/flattening and boudinage plus ripping apart of these units within the planes of shearing.

As a general observation, the Fourax Shear Zone is

dominated by more compositionally ultramafic volcanics east of line 12+00E as opposed to sediment/mafic volcanic rocks to the west.

A suprisingly workable correlation is provided by a sill of feldspar porphyry and related quartz veining and brecciation which trends sub-parallel to schistosity and is traced from one end of the program area to the other. Significantly a number of anomalous to ore-grade gold values are contained within this section. A summary of hole-to-hole intercepts for the zone, together with anomalous gold values is presented in Table 3. The zone is outlined on Map 1.

8.2 Areas of Mineralization

8.2.1 Area 1: Feldspar Porphyry Horizon

Significant gold mineralization is contained within the feldspar porphyry sill horizon (Table 3) from lines 4+50E to 10+00E, a length of some 550 ft.

On section 4+50E, hole 57 returned several anomalous gold values with an ore-grade section of 0.340 opt Au over 10.5 ft. at 500-510.5 ft. (420 ft. vertical) and a sub-economic section of 0.100 opt Au over 6.5 ft. at 535.3-542 ft. Hole 68, drilled 150 ft. south of 57, cut the feldspar porphyry at approximately 220 ft. vertically above 57, however encountered no gold values.

Hole 66 on section 5+50E intersected only low gold, 0.021 opt Au over 17.3 ft., but suggests widespread distribution of gold within the horizon. Note that the hole cut the porphyry at a vertical depth from surface of 260 ft,. more-or-less midway between the intervals drilled on adjacent section 4+50E. Without going on to the other sections, the implication of gold values

increasing with depth presents itself.

Hole 58 on **section 6+50E** intersected 165 ft. of porphyry and although possibly a thicker section of the horizon, may represent the leading edge of the Western Porphyry. Or this portion may be the feeder for the sill derived from the deeper syenite porphyry - an aspect worthy of consideration for future exploration. In any event the hole returned a spectacular gold run averaging 0.230 opt Au over 17.5 ft. at 642-659.5 ft. A gold value of 0.268 opt Au over 5.3 ft. at 228.5-233.8 ft. in hole 67, albeit with a sliver of iron formation which ran 0.934 opt Au over 1.3 ft., is situated 320 ft. vertically above the values of the 17.5-foot section of hole 58.

Of the two holes on **section 7+50E**, hole 65 returned highly anomalous gold values at 438.2-439.7 ft. (0.100 opt) and 465.8-467.8 ft. (0.103 opt). A 35.8-foot width of porphyry containing these two values and assaying an averaged 0.038 opt Au is lithologically/mineralogically similar and likely correlative with a 36-foot section in hole 73 some 320 ft. vertically below. The hole 73 interval averaged 0.016 opt Au.

Significant narrow gold intercepts are returned from feldspar porphyry units of holes 62 and 71 on **section 8+50E**. A 5-foot section assaying 0.139 opt Au hosted by the horizon in hole 71 is situated 300 ft. vertically above several anomalous gold values in hole 62, notably 0.132 opt Au over 5 ft. at 728.9-733.9 ft.

Hole 74 on **section 10+00E** returned an averaged assay of 0.141 opt Au over 12.7 ft. which unfortunately is not matched by the low but anomalous gold values in correlative porphyry/quartz veining of holes 63 and 72 drilled 400 and 275 ft. to the fore

and 480 and 340 ft. vertically above hole 74, respectively. Deep hole 81 was drilled beneath hole 74 to test for mineralized porphyry (and iron formation). The hole cut a 28.4-foot potash metasomatized and silicified zone at 1,635-1,663.4 ft., 800 ft. vertically below the porphyry horizon of hole 74. However no gold values are returned.

Gold values tail off east from line 10+00E and west from line 4+50E. The sill is coincidently attenuating in these directions.

8.2.2 Areas 2, 3, 4: Gold in Iron Formation

Area 2a: A gold assay of 0.444 opt over 8.6 ft. is returned at 1,050-1,508.6 ft. from iron formation in hole 74 (section 10+00E) and apparently does not correlate with any overlying sections (holes 63. 72). Hole 81 returned 0.230 opt Au over 3.8 ft. at 1,680-1,638.8 ft., 1,000 ft. vertically below the hole 74 intersection, representing a sizeable area of significant gold mineralization.

Area 2b: Although probably a far-fetched notion at this time is a proposed correlation of 2a with iron formation-hosted gold in holes 77 and 79 (section 16+00E). The only common feature other than gold concentration is that both are situated below the Feldspar Porphyry Horizon. Holes on the two intervening sections did not intersect mineralized iron formation.

Two anomalous gold-bearing iron formation horizons occur in hole 77: 0.193 opt Au over 9.3 ft. at 548-557.3 ft. and 0.127 opt Au over 11.1 ft. at 582.4-593.5 ft. Whether one or both of these intersections correlate with the 0.379 opt Au over 6.1 ft. intersection of hole 79 remains to be seen. Perhaps the hole 79

intercept is a fold closure with the two hole 77 intercepts representing fold limbs. The vertical distance between holes at this point is on the order of 200 ft.

Area 3: Some interesting gold intersections in holes 72 and 74 (section 10+00E) may represent the same mineralized horizon. Hole 72 returned 0.650 opt Au over 1.7 ft. at 178.1-179.8 ft. and hole 74, 240 ft. vertically below, hit two nearby values of 0.240 opt Au over 1.3 ft. at 767.6-768.9 ft. and 0.110 opt Au over 4 ft. at 779-183 ft. Some low gold values are returned from similar geology and the same relative horizons on adjacent holes 62, 64 and 76 covering a strike length of 200 ft. This area lies above the Feldspar Porphyry Horizon.

Area 4: This zone, similar in character to Area 3, links anomalous gold values over a length of 600 ft., although not all that continuous. Possibly corralative gold intercepts listed by hole are as follows:

Hole FX-8971 Section 8+50E 0.520 opt Au/1.8 ft. at 211.7-213.5 ft.
Hole FX-8973 Section 7+50E 0.227 opt Au/4.6 ft. at 690.2-694.8 ft.
Hole FX-8965 Section 7+50E 0.078 opt Au/2.6 ft. at 343.4-346.0 ft.
Hole FX-8967 Section 6+50E 0.113 opt Au/3.7 ft. at 211.3-215.0 ft.
Hole FX-8857 Section 4+50E 0.110 opt Au/2.0 ft. at 441.0-443.0 ft.
Hole FX-8969 Section 3+50E 0.055 opt Au/2.0 ft. at 350.0-352.0 ft.

It is possible that Area 4 is a continuation of Area 3.

A few other gold values hosted by iron formation and sediments show no correlation.

8.2.3. Areas 5, 6: Mineralized Porphyry Dykes

Several scattered gold intersections hosted by feldspar porphyry have not as yet demonstrated equivical correlation. However a couple of tentative correlations are forwarded.

Area 5: Three gold intersections in adjacent holes 73, 71

and 64 may be hosted by a dyke structure which trends southeast from line 7+50E to line 9+00E and hence runs oblique to the Cadillac-Bouzan Break. The intercepts are summarized as follows:

Hole 73 Section 7+50E 0.140 opt Au over 2.0 ft. at 617.0-619.0 ft.
" " " 0.133 opt Au over 6.9 ft. at 621.9-628.9 ft.
Hole 71 Section 8+50E 0.520 opt Au over 1.8 ft. at 211.7-213.5 ft.
- actually iron formation in contact with feldspar porphyry.

Hole 64 Section 9+00E 0.100 opt Au over 1.0 ft. at 446.3-447.3 ft.

Area 6: Two interesctions in adjacent holes within porphyry returned similar assays over similar widths; holes 74 (section 10+00E) and 76 (section 12+00E) gave these respective interscepts:

0.120 opt Au over 3.0 ft. at 1,016-1,019 ft.
0.130 opt Au over 2.7 ft. at 741.2-743.9 ft.

This feature is sill-like trending sub-parallel to schistosity.

8.2.4 Area 7: Gold Hosted by Syenite Porphyry

Several gold intersections are hosted by syenite porphyry at the base of holes 74 (section 10+00E) and 76 (section 12+00E). Two intersections are apparently correlative, as indicated on Map 1: hole 74 at 1,138-1,140.5 ft. assayed 0.140 opt Au over 2.5 ft. and hole 76 at 896-902.2 ft. assayed 0.277 opt Au over 6.2 ft.

9.0 CONCLUSIONS

The diamond drill program successfully tested 1,700 ft. of strike length of the Cadillac-Bouzan Break and an underlying/adjacent 200-400-foot-thick section of intensely sheared volcanics and sediments designated the Fourax Shear Zone. This deformed sequence is probably correlative with the regional Piche Group.

Core angle measurements indicate average dip of schistosities 70 to 80 deg northwards for rocks within the Fourax Shear. More competent laminated sediments and magnetite iron formation suggest bedding attitudes measure 45 to 55 deg to the north. Some variation in schistosity is attributed to faulting or folding, however definite structures to this effect are not easily recognized at this point.

Owing to the extremety of deformation and, in part, 100- to 200-foot hole spacing only a general correlation of units is possible at this time. At least four (4) broad litho-structural catagories are distinguished in the program area (north to south):

(1) massive and pillowed mafic volcanics of the Blake River Group.

(2) the Cadillac-Bouzan Break characterized by a hard black and vuggy magnetic rock (fault breccia?) with some laminated tuff and massive iron formation.

(3) intensely sheared laminated sediment/magnetite iron formation intercalated with sericite-chlorite schist and some mafic-ultramafic volcanics of the Fourax Shear Zone.

(4) talc-chlorite schist and ultramafic volcanics, also probably part of the Fourax Shear Zone.

Numerous sills and dykes of feldspar porphyry are found throughout the Fourax Shear Zone. One sill of variable width is

traced across the entire length of the survey area and is labelled the Feldspar Porphyry Horizon.

Several deep holes intersected syenitic/granitic porphyry or felsic intrusive and may represent the leading northern edge of the Western Porphyry Zone.

Significant gold mineralization, interescted in more than half of the 20 holes drilled, was encountered over a strike length of some 1,500 ft. Most of the gold values returned to date are contained within quartz veins and associated breccia zones and alteration hosted by feldspar porphyry and magnetite iron formation/laminated sediment.

A 550-foot length of the feldspar porphyry horizon, from line 4+50 to 10+00 east, returned significant gold intersections from 8 of 13 holes, notably:

Hole FX-8857	...	0.340 opt Au over 10.5 ft.
Hole FX-8858	...	0.230 opt Au over 17.5 ft.
Hole FX-8967	...	0.268 opt Au over 5.3 ft., (320 ft. vertically above 58).
Hole FX-8974	...	0.141 opt Au over 12.7 ft.
Hole FX-8962	...	0.139 opt Au over 5.0 ft.
Hole FX-8971	...	0.132 opt Au over 5.0 ft., (300 ft. vertically above 62).

Mineralized veins are accompanied by considerable silica flooding, potash metasomatization and some pyrite in the frequently fractured and brecciated host porphyry. Veins generally trend parallel to local shearing, however some narrow crosscutting veins also apparently contain gold.

The observation is made that the thick portion of Feldspar Porphyry Horizon in hole 58 may represent a feeder zone possibly derived from the larger syenite porphyry/felsic intrusive of the Western Porphyry to the south. Indeed deep holes 74 and 76

tapped into massive and mineralized syenite porphyry. Two gold intersections in each of these holes may indicate the same mineralized section:

Hole 74 ... 0.140 opt Au over 2.5 ft.
Hole 76 ... 0.277 opt Au over 6.2 ft.

The holes are spaced 200 ft. apart. Gold values are related to narrow pyrite-bearing chloritic shears.

A number of iron formation/laminated sediment-hosted gold intersections are found across the entire program area and at present, correlation is difficult. Significant gold interesctions in iron formation occur as discontinuous horizons above and below the Feldspar Porphyry Horizon. The best results are returned from iron formation below the porphyry: hole 74; 0.444 opt Au over 8.6 ft., and 600 ft. east, hole 77; 0.193 opt Au over 9.3 ft. and 0.127 opt Au over 11.1 ft., plus hole 79; 0.379 opt Au over 6.1 ft. Note that the intercept of hole 79 is likely correlative with one or both of those in hole 77 which is approximately 200 ft. vertical below 79.

Hole 81, drilled 1,000 ft. vertically beneath the hole 74 iron formation intercept (0.444 opt Au/8.4 ft.), intersected 0.238 opt Au over 3.8 ft. in a silicified chloritic-pyritic zone or iron formation. These sections may be correlative.

The gold in iron formation and sediments is found within mainly shear (layer) quartz veins and quartz-filled breccia zones with attendant host rock silicification and pyritization. Occassional narrow crosscutting veins carrying chalcopyrite and pyrite also assay gold and may represent a secondary (conjugate?) vein zone.

Additionally, the occurrence of iron formation suggests an exhalative derivation for some of the gold such as proposed for the Bousquet pyritic gold deposits to the west. However only significant gold values are returned from pyrite-rich magnetite iron formation which are injected by quartz veins or affected by brecciation and silicification.

It is concluded that gold mineralization in the Fourax Shear Zone is contained in quartz-bearing fracture or fault zones within feldspar porphyry and magnetite iron formation/laminated sediments, competent lithologies which acted as the focus of dilation during regional east-west shearing and extension. Such hypotheses are forwarded for economic gold concentrations at other past producing deposits in the immediate area of the Fourax II Property, hence assign good potential for the property to host economic gold concentrations.

10.0 RECOMMENDATIONS

The following recommendations are forwarded to furthur evaluate the property for economic gold concentrations.

(1) fill-in drilling of the Feldspar Porphyry Horizon in the area of lines 4+50 to 10+00 east. A total of 4 holes ranging 600 to 1,000 feet. Estimated cost, including support and sampling ... $115,000.00.

(2) down-hole EM surveying of several of the holes in which pyritized iron formation returned significant gold assays for the purpose of determining orientation of these gold-bearing condutive zones. Estimated cost ... $3,600.00.

(3) fill-in drilling in areas of gold-bearing iron formation in two main areas: a) line 10+00 east, a deep hole in the vicinity of hole 74 and the 0.444 opt Au /8.6 ft. intersection, b) in the area of holes 77 and 79, line 16+00 east. This will require approximately 5,000 ft. of drilling. Estimated cost ... $130,000.00.

Total cost of the work, plus 20% contingency, is estimated at $300,000.00.

Respectfully Submitted, Date: March 30, 1990

N.O. Willoughby,
BSc, (Hons.)

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CERTIFICATE OF QUALIFICATIONS

I, Neil O. Willoughby, residing at 651 Cosburn Avenue, Toronto, Ontario, do certify that:

1) I am a geologist, a graduate of Carleton University, Ottawa, Ontario, with a BSc. (Hons.) degree in 1974 and that I have been practising my profession since graduation.

2) I am the President of NR&J Resource Associates Limited, a consulting firm incorporated under the Business Corporation Act, 1982, in the Province of Ontario, since August, 1989 and which is authorized by the Association of Professional Engineers of Ontario to engage in the business of providing services that are within the practice of professional engineering under the Professional Engineers Act, 1984.

3) I have no interest in, nor do I expect to receive any interest, direct or indirect, in Augmitto Explorations Limited or in Bay Resources & Services Inc.

4) The statements contained in this report and conclusions and recommendations are based on my observations while so engaged in conducting and supervising field operations during the periods November 13, 1989 to December 20, 1989 and January 16, 1990 to February 13, 1990.

Toronto, Ontario

Dated: March 30, 1990

N. O. Willoughby

Neil O. Willoughby,
BSc. (Hons.)

APPENDIX A

DIAMOND DRILL LOGS

LIST OF SAMPLE NUMBERS BY DRILL HOLE, FOURAX II PROPERTY

Hole No.	Number of Samples	Sample Numbers (inclusive)
FX-8962	113	10602 - 10689, 14059 - 14082
FX-8963	69	10690 - 10758
FX-8964	64	10926 - 10982, 14052 -14058
FX-8965	68	10759 - 10826
FX-8966	64	10827 - 10890
FX-8967	53	10983 - 11031, 14100 - 14103
FX-8968	68	10891 - 10925, 12401 - 12433
FX-8969	127	12434 - 12500, 11101 - 11160
FX-8970	79	11161 - 11239
FX-8971	115	11240 - 11350, 14083 - 14096
FX-8972	70	11032 - 11088, 14039 - 14051
FX-8973	139	11676 - 11802, 14087 - 14098
FX-8974	198	11089 - 11100, 11351 - 11498, 14001 - 14038
FX-8975	132	11803 - 11934
FX-9076	233	11935 - 12000, 12501 - 12600, 12757 - 12822
FX-9077	90	12601 - 12690
FX-9078	66	12691 - 12756
FX-9079	106	12823 - 12928
FX-9080	86	12929 - 13000, 14251 - 14264
FX-9081	364	14201 - 14250, 14265 - 14578
Total	2,304	

MINROC MANAGEMENT LIMITED

DRILL LOG

HOLE NO.: FX-8856	TOWNSHIP: FOURNIERE	CORE SIZE: BQ
COORDINATES: L2+OOE, 5+31N	RANGE: X	DRILLED BY: LONGYEAR
COLLAR ANGLE: -50 DEG.	LOT NO.: 24A	DATE STARTED: 06/12/88
LOCATED FROM:	CLAIM NO.: 335178-4	DATE COMPLETED: 08/12/88
AZIMUTH: 205 DEG.		LOGGED BY: B.H. NEWTON
LENGTH: 667 FT.		PAGE: 3 PAGES INCL. COVER

DEPTH	AZIMUTH	ANGLE READ	ANGLE ACTUAL
0 FT.	205 DEG.		-50 DEG.
80 FT.	205 DEG.		-52 DEG.
200 FT.	205 DEG.		-50 DEG.
400 FT.	205 DEG.		-48 DEG.
617 FT.	205 DEG.		-47 DEG.

REMARKS:

Relogging of mineralized sections in January/90 by
N.O. Willoughby

RE-LOGGING OF MINERALIZED SECTIONS - JANUARY/90
N.O. WILLOUGHBY

HOLE # FX-8856

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
231.0	242.0	CHLORITE-SERICITE SCHIST A subunit within interval 227.5 - 242.0, Talc-Chlorite Schist (Log FX-8856, p. 3) In part may be mafic volcanic, medium grained, with numerous finer schistose sections at 70 deg. TCA; mylonitic Scattered thin carbonate bands/veins, white carbonate patches/fragments Generally minor py; at 238.0, pyritic bands At 237.0 ankerite-carbonate veining Strongly magnetic with talcose sections from 239.0					
242.0	247.5	MAGNETITE IRON FORMATION Previously mapped as tuff Numerous carbonate bands Locally with 15% py Banding discontinuous, in part mylonitic/schistose at 70 deg. TCA Some carbonate fragments					
247.5	253.5	CHLORITE-SERICITE +/- TALC SCHIST Similar to 231.0 - 242.0 with some laminated sediments					
253.5	266.0	LAMINATED TUFF, IRON FORMATION Previously mapped as tuff Similar to 242.0 - 247.5					
		9948 - A 1" qv at 255.0 containing 2-3% large py blebs, cubes; 90 deg. TCA Numerous carb +/- qtz discontinuous stringers containing diss., blebs py at 254.7 - 255.3, 255.7 - 256.0, 30% py 255.7 - 256.0 has a 1/8" massive py stringer Veinlets, stringers parallel foliation, 60 - 70 deg. TCA	9948	253.5	256.0	2.5	.084

RE-LOGGING OF MINERALIZED SECTIONS

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
253.5	266.0	LAMINATED TUFF, IRON FORMATION (Cont'd)					
		9949 - 1st 2" is silicified, pyritic, followed by 1" qv at 70 deg. TCA, foliation parallel; vein contains a sliver of chloritic/pyritic host rock At 256.7 - small qv and flood zone with 10-15% py in adjoining host (1/4") To 257.0 - 10-15% py within or close to narrow carb-silica stringers, elliptical (sheared) patches At 258.0 - 2" section of 5-10% py blebs, diss. mainly associated with carbonate patches, laminae At 258.2 - 258.3 Qtz-albite vein at 70 deg. TCA, foliation parallel with a py stringer at leading edge To end, 10% py masses, diss.	9949	256.0	258.5	2.5	.074
		9950 - Similar to preceeding sections At 258.6 - a 2" qv (75 deg. TCA) with 10-25% py diss., blebs, stringers from 258.5 At 258.8 - 260.2, sparse sulphides At 260.2 - 260.9, 10-25% py on either side of qv (260.4 - 260.6); silicified	9950	258.5	261.0	2.5	.110
267.0	327.0	CHLORITE-SERICITE +/- TALC SCHIST WITH INTERBEDDED IRON FORMATION, TUFFACEOUS SEDIMENTS Previously mapped as talc-chlorite schist					
		9969 - This interval in core box indicative of assay; however, at 301.0 - 301.8, silicified +/- carbonate laminated to breccia zone contains 25-30% blebs, diss, stringers py	9969	302.0	304.0	2.0	.110

MINROC MANAGEMENT LIMITED

DRILL LOG

HOLE NO.: FX-8857	TOWNSHIP: FOURNIERE	CORE SIZE: BQ
COORDINATES: L4+00E, 6+26N	RANGE: X	DRILLED BY: LONGYEAR
COLLAR ANGLE: -50 DEG.	LOT NO.: 24A	DATE STARTED: 08/12/88
LOCATED FROM:	CLAIM NO.: 335178-4	DATE COMPLETED: 11/12/88
AZIMUTH: 205 DEG.		LOGGED BY: B.H. NEWTON
LENGTH: 567 FT.		PAGE: 4 PAGES INCL. COVER

DEPTH	AZIMUTH	ANGLE READ	ANGLE ACTUAL
0 FT.	205 DEG.		-50 DEG.
80 FT.	205 DEG.		-53 DEG.
200 FT.	205 DEG.		-54 DEG.
400 FT.	205 DEG.		-54 DEG.
567 FT.	205 DEG.		-54 DEG.

REMARKS:

Relogging of mineralized sections in January/90 by
N.O. Willoughby

RE-LOGGING OF MINERALIZED SECTIONS - JANUARY '90
N.O. WILLOUGHBY

HOLE # FX-8857

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
389.0	408.0	MAGNETITE IRON FORMATION Prevously mapped as tuff Description in log, p. 4 is good					
408.0	448.0	CHLORITE-SERICITE SCHIST, IRON FORMATION Part of a unit at 408.0 - 491.0 previously mapped as talc-chlorite schist Some talc-rich sections					
		10086 - A section of silicified sediment/iron formation with some crosscutting qtz veinlets at 20 deg. TCA; these veins contain some py and a splash of cp Some discontinuous bands/stringers at 90 deg. TCA, foliation parallel Entire section silicified and contains 5-10% diss, blebs py	10086	441.0	443.0	2.0	.110
448.0	467.0	TALC-CHLORITE +/- SERICITE SCHIST					
467.0	474.0	LAMINATED TUFF AND IRON FORMATION At 471.5 - 472.1 - porphyry at 30 deg. TCA					
474.0	491.0	TALC-CHLORITE +/- SERICITE SCHIST At 489.0 - 490.0 with 10% py diss, masses					
491.0	494.5	FELDSPAR PORPHYRY					
494.5	497.5	CHLORITE-SERICITE +/- TALC SCHIST					
497.5	508.0	FELDSPAR PORPHYRY					
		10102 - Fairly non-descript with narrow qv at 0-15 deg. TCA Minor py in host, generally as blebs; some chlorite fragments of host (?)	10102	498.0	500.0	2.0	.014

RE-LOGGING OF MINERALIZED SECTIONS

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
497.5	508.0	FELDSPAR PORPHYRY (Cont'd)					
		10103 - With late qv at low angles TCA; up to 10% py diss. plus a few blebs; rarely in veins	10103	500.0	502.0	2.0	.040
		10104 - Extremely siliceous-quartz flooded; mainly quartz with some scattered irregular porphyry inclusions Fracturing at 15 deg. TCA with silica annealing/later fracture filling Chlorite fractures at 502.0 - 502.5 Minor py, always within porphyry inclusions At 502.2 - cp grain (VG?); from here to 504.0, 5% tourmaline needles up to 1/2" long; some diss. py	10104	502.0	504.0	2.0	.140
		10105 - Some material missing in core box? Siliceous - flooded porphyry as above with a deformed chlorite-schist inclusion (.5 ft.); several specks of cp (VG?) within a chloritic shear sandwiched between qtz-ank. veins, trending 5-15 deg. TCA	10105	504.0	506.0	2.0	1.390
		10106 - Strongly silicified and veined porphyry Over last foot, quartz +/- carb veining at 15 deg. TCA with chloritic inclusions Some py in the vein, plus a tourmaline band along vein/inclusion contact Some tourmaline grains in qv	10106	506.0	508.0	2.0	.170
508.0	522.0	CARBONATE-VEINED AND ALTERED CHLORITE-SERICITE AND TALC-CHLORITE SCHIST At 509.0 - 510.5, schistosity at low angle TCA, with 5% diss. py					
		10107 - Some quartz-carb +/- tourmaline veining at low angle TCA containing 1% py, plus cp (VG?) as at 504.0 - 506.0	10107	508.0	510.5	2.5	.035

RE-LOGGING OF MINERALIZED SECTIONS

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
508.0	522.0	CARBONATE-VEINED AND ALTERED CHLORITE-SERICITE AND TALC-CHLORITE SCHIST (Cont'd)					
		10109 - Irregular ankerite-carbonate veins, patches and fragments in rock sheared at 0-10 deg. TCA; scattered diss. py	10109	513.0	515.0	2.0	.052
522.0	526.0	FELSIC INTRUSIVE					
526.0	535.5	CHLORITE-SERICITE +/- TALC SCHIST					
		10118 - Fairly non-descript, however first 2.5" a qtz veined porphyry at 60-70 deg. TCA, minor py; some ankerite +/- qtz veining to base	10118	534.0	535.5	1.5	.055
535.5	563.0	FELDSPAR PORPHYRY					
		10119 - Bleached with 5-10% diss. py, traces cp?; some host rock inclusions at 536.0 - 536.8	10119	535.5	537.5	2.0	.048
		10120 - First 8", host rock followed by white to pinkish brecciated and quartz veined/flooded porphyry with 1-3% finely diss. py Veining to base at 50 deg. TCA	10120	537.5	540.0	2.5	.150

MINROC MANAGEMENT LIMITED

DRILL LOG - FOURAX II PROPERTY

HOLE NO.: FX-8962	TOWNSHIP: FOURNIERE, QUE.	CORE SIZE: BQ
COORDINATES: L8+50E 6+75N	RANGE: X	DRILLED BY: FORAGE MODERNE INC.
COLLAR ANGLE: -50 DEG.	LOT NO.:	DATE STARTED: 02/11/89
LOCATED FROM: BL	CLAIM NO.: 335178-4	DATE COMPLETED: 07/11/89
AZIMUTH: 204		LOGGED BY: L. MELCHIORRE
LENGTH: 826 FT.		PAGE: 1 OF 15

DEPTH	AZIMUTH	ANGLE READ	ANGLE ACTUAL
200 FT.	204		-50 DEG.
400 FT.	204		-50 DEG.
600 FT.	204		-49 DEG.
827 FT.	204		-50 DEG.

REMARKS:

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
0.0	69.0	OVERBURDEN						
69.0	319.5	MAFIC VOLCANICS Fine grained Massive, pillowed in places Chloritic alteration throughout Fractured periodically - quartz + carbonate Epidote + chlorite + pyrite infilling, not magnetic Periodic disseminated pyrite 117.5 - 118.0 Narrow sugary white quartz vein 40 - 50 deg. TCA 128.8 - 129.0 Cavities Chlorite + epidote + carbonate infilling 10 - 15% disseminated euhedral pyrite 131.0 - 132.0 Narrow qtz-carbonate veinlet parallel TCA Disseminated pyrite throughout 138.4 Quartz-carbonate vein Contains angular wallrock fragments Less than or equal to 1 inch Pyrite in veinlets and within fragments 142.6 - 143.1 Cluster of irregular veinlets parallel to oblique TCA Hematite staining 166.0 Numerous subangular inclusions Possible plagioclase phenocrysts 217.3 - 217.8 Vein Carbonate + epidote Local pyrite						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
69.0	319.5	MAFIC VOLCANICS (Cont'd)						
		247.0 - 247.8 Quartz vein Clotted pyrrhotite in wall rock Disseminated in quartz carbonate						
		258.0 Quartz veinlet 40 deg. TCA Black clots - possible amphibole/ tourmaline, radiating amphiboles						
		289.5 - 290.0 Multiple quartz-carbonate veinlets Probable radiating amphibole Chlorite Trace pyrite						
319.5	375.0	GABBRO Dark green/black Medium grained Massive 60% mafic constituent 40% probable plagioclase phenocrysts Periodic pyrite in veinlets Magnetic Upper contact - gradational Lower contact - poorly defined Lightly carbonatized						
375.0	392.5	MAFIC VOLCANICS (TUFF) SAA (69.0 - 319.5) Laminated - tuffaceous						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
392.5	409.5	GABBRO (Iron Formation?) Dark green/black Fine-medium grained - increases down core Magnetic Rare pyrite in fractures Massive Periodic epidote and carbonate						
409.5	461.0	MAFIC VOLCANICS (TUFF) Medium green Fine grained Massive to lightly foliated - appears laminated Carbonatized Moderately abundant quartz-carbonate veinlets 1-2% pyrite 454.0 - 456.0 Gabbro (Iron Formation?) Magnetic Sheared Blocky 458.0 Fault gouge Blocky 459.0 - 460.5 Gabbro (Iron Formation?) Lower contact @ 40 deg. TCA						
461.0	472.0	FELDSPAR PORPHYRY Dark grey to pinkish Matrix Aphanitic Coarse feldspar phenocrysts 50% phenocrysts Moderate foliation Moderately silicified Rare fine pyrite	10602 10603 10604 10605	461.0 464.0 467.0 469.5	464.0 467.0 469.5 472.0	3.0 3.0 2.5 2.5	NIL NIL TR .001	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
461.0	472.0	FELDSPAR PORPHYRY (Cont'd) Not magnetic Upper contact - shard 40 deg. TCA Lower contact - poorly defined						
472.0	473.3	SERICITE-CHLORITE SCHIST Dark green Schistose Soft Trace pyrite Locally magnetic Strongly carbonatized	10606	472.0	373.3	1.3	.002	
473.3	474.3	MAGNETITE IRON FORMATION Dark grey/black Silicified Strongly carbonatized 5% fine pyrite Strongly magnetic Upper contact @ 60 deg. TCA Lower contact @ 60 deg. TCA	10607	473.3	474.3	1.0	.002	
474.3	477.5	SERICITE-CHLORITE SCHIST Same as above (472.2 - 473.3) Magnetic Slightly silicified at times	10608 10609	474.3 476.1	476.1 477.5	1.8 1.4	.006 .001	
477.5	495.0	LAMINATED MAGNETITE IRON FORMATION, SEDIMENT Dark grey Upper part of unit is magnetic Upper contact at 50 deg. TCA Foliated at 50 deg. TCA Increasing amount of quartz veins and nodules down core Up to 5% disseminated pyrite concentrated in highly schistose areas Periodically intercalated talc schist horizons	10610 10611 10612 10613 10614 10615 10616 10617	477.5 479.1 481.0 483.2 485.7 487.3 489.5 492.0	479.1 481.0 483.2 485.7 487.3 489.5 492.0 495.0	1.6 1.9 2.2 2.5 1.6 2.2 2.5 3.0	.008 .045 .006 .044 .003 .011 .009 .009	TR

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
477.5	495.0	LAMINATED MAGNETITE IRON FORMATION, SEDIMENT (Cont'd)						
		487.3 - 489.5 Talcose Lightly sheared Quartz veinlets						
		Less sheared down core Narrow massive sections may be volcanic						
495.0	519.0	ULTRAMAFICS MAFIC VOLCANIC Medium green/grey Massive, serpentinized Numerous contorted white veinlets Magnetic at times Scattered py blebs	14059 14060 14061 14062	507.0 509.5 512.0 516.0	509.5 512.0 516.0 519.0	2.5 2.5 4.0 3.0	.009 .008 .003 .002	
		509.0 - 519.0 Schistose at 65-70 deg. TCA with 3% quartz veinlets						
519.0	520.5	DIORITE OR SHEARED MAFIC VOLCANIC Greenish/black Lightly sheared, medium grained Magnetic - towards lower contact Trace pyrite Moderately carbonatized	14063	519.0	520.5	1.5	.022	
520.5	531.0	MAFIC-ULTRAMAFIC VOLCANIC Medium green colour Moderately foliated Fine grained Ankerite veinlets Soft - talcose in part	14064 14065	520.5 522.5	522.5 525.0	2.0 2.5	.011 .001	
		525.0 - 527.0 Silicified, brecciated Quartz-ankerite veinlets, stockwork 5-10% pyrite	10618 10619	525.0 527.0	527.0 528.3	2.0 1.3	.010 .004	NIL

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
520.5	531.0	ULTRAMAFIC VOLCANIC (Cont'd)						
		528.3 - 529.1 Diorite lens Black Fine-medium grained, trace pyrite	10620	528.3	529.1	0.8	.001	
			14066	529.1	531.0	1.9	.001	
531.0	583.7	TALC SCHIST Dark green/black Strongly schistose Ankerite + quartz veinlets	14067	531.0	535.0	4.0	TR	
			14068	535.0	537.8	2.8	.002	
			14069	537.8	541.0	3.2	.006	
		538.2 - 540.2 Iron formation						
		570.5 - 571.4 Silicified zone, iron formation 5-10% fine pyrite	10621	570.5	571.4	0.9	.002	
		577.6 - 578.6 Silicified zone, iron formation 5-10% pyrite Strongly magnetic	10622	577.6	578.6	2.0	.001	
583.7	591.3	FELDSPAR PORPHYRY Light grey Massive Chlorite blebs Strongly silicified Minor sericite in fractures 2-3% fine disseminated pyrite Quartz-carbonate veinlets Darker toward lower contact	10623	583.7	587.0	3.3	.003	
			10624	587.0	589.0	2.0	TR	
			10625	589.0	591.3	2.3	.001	
591.3	593.6	MAGNETITE IRON FORMATION Black, moderately schistose Strongly magnetic 2% fine pyrite	10626	591.3	593.6	2.3	.002	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
593.6	611.0	SERICITE-CHLORITE +/- TALC SCHIST, IRON FORMATION Schistosity at 0-15 deg. TCA at 598.2 - 602.0, 610.0 - 611.0 598.0 - 599.0 Silicified zone Carbonatized 3-4% pyrite 599.0 - 611.0 Blocky, fault gouge	14070 14071 14072 14073	593.6 598.0 601.5 607.0	598.0 601.5 607.0 611.0	4.4 3.5 5.5 4.0	TR NIL TR .001	
611.0	615.0	FELDSPAR PORPHYRY Brownish red colour Silicified Hematite staining throughout 2% fine pyrite Moderately foliated Vuggy with 1% carb veins over first foot	10627 10628	611.0 613.0	613.0 615.0	2.0 2.0	.002 .026	 TR
615.0	620.6	LAMINATED SEDIMENT, SERICITE-CHLORITE +/- TALC SCHIST Contorted banding At 616.7, ptygmatic - folded quartz vein	10629 14074 14075	615.0 616.0 617.5	616.0 617.5 620.6	1.0 1.5 3.1	TR .001 .002	
620.6	622.0	FELDSPAR PORPHYRY Strongly sheared Foliated parallel to core axis Possible shallow fold	10630	620.6	622.0	1.4	.001	
622.0	625.1	LAMINATED SEDIMENT As at 615.0 - 620.6 Locally magnetic	14076	622.0	625.1	3.1	.002	
625.1	626.1	FELDSPAR PORPHYRY Brownish red colour Moderately foliated @ 40 deg. TCA Contains quartz modules and veinlets Less than or equal to 2% fine disseminated pyrite Silicified. Mildly magnetic	10631	625.1	626.1	1.0	TR	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
626.1	627.4	LAMINATED SEDIMENT Locally magnetic	14077	626.1	627.4	1.3	.004	
627.4	628.1	FELDSPAR PORPHYRY Same as above 2-3% fine disseminated pyrite	10632	627.4	628.1	0.7	.005	
628.1	629.4	LAMINATED SEDIMENT As at 615.0 - 620.6	14078	628.1	629.4	1.3	NIL	
629.4	630.3	DIORITE OR SHEARED MAFIC VOLCANIC Black Fine grained Strongly foliated Moderately magnetic Trace disseminated pyrite cubes Upper contact: 20 deg. TCA Lower contact: 40 deg. TCA	10633	629.4	630.3	0.9	.002	
630.5	631.5	FELDSPAR PORPHYRY Same 2-3% fine disseminated pyrite Quartz and calcite veining Hematite stains Upper and lower contacts: 40 deg. TCA	10634	630.5	631.5	1.0	.024	NIL
631.5	632.2	TALC SCHIST, LAMINATED SEDIMENT						
632.2	633.5	FELDSPAR PORPHYRY Trace disseminated pyrite Very sheared Fine grained	10635	632.2	633.5	1.3	.001	
633.5	634.4	DIORITE OR IRON FORMATION Strongly sheared Trace fine disseminated pyrite Strongly magnetic	10636	633.5	634.4	0.9	.001	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
634.4	636.4	FELDSPAR PORPHYRY No pyrite	10637	634.4	636.6	2.2	.001	
636.4	637.7	TALC SCHIST, LAMINATED SEDIMENT						
637.7	641.3	DIORITE OR IRON FORMATION Strongly sheared 1-2% fine disseminated pyrite Strongly magnetic	10638 10639	637.7 639.5	639.5 641.3	1.8 1.8	.003 TR	
641.3	642.9	SERICITE-CHLORITE SCHIST Increasing amount of quartz veining down core Trace euhedral pyrite	10640	641.3	642.9	1.6	.003	
642.9	648.9	WHITE QUARTZ Contact with upper talc schist gradual Quartz contains pieces of talc schist Trace euhedral pyrite	10641 10642	642.9 645.9	645.9 648.9	3.0 3.0	NIL NIL	
648.9	658.6	TALC SCHIST, MAFIC-ULTRAMAFIC VOLCANIC 2-3% disseminated pyrite cubes Towards bottom contact, schist has lighter colour and is almost mylonitic	10643 10644 10645 10646	648.9 651.7 654.2 657.1	651.7 654.2 657.1 658.6	2.8 2.5 2.9 1.5	.002 .008 .001 .002	
658.6	674.3	FELDSPAR PORPHYRY Medium grey in colour, brownish in places Moderately foliated 5-10% fine grained to euhedral disseminated pyrite and clotted pyrite Numerous white quartz veins at approx. 0.5", 50 - 60 deg. TCA	10647 10648	658.6 661.0	661.0 663.5	2.4 2.5	.002 .050	TR
		663.1 - 666.2 Strongly bleached, hematitized zone Light pink in colour. Strongly fractured @ 20 - 30 deg. TCA 15-20% fine pyrite and chlorite in fractures	10649	663.5	666.2	2.7	.068	TR

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
658.6	674.3	FELDSPAR PORPHYRY (Cont'd)					
			10650	666.2	669.0	2.8	.014
		673.5 Dendritic tourmaline in fracture which is almost parallel to core axis					
			10651	669.0	672.0	3.0	.011
		673.9 - 674.3 Stockwork fracturing Fractures filled with pyrite and chlorite: 10-15% py	10652	672.0	674.3	2.3	.061
674.3	689.0	TALC-CHLORITE SCHIST, LAMINATED SEDIMENTS	10653	674.3	676.8	2.5	.027
		Upper contact 70 deg. TCA	14079	676.8	679.0	2.2	NIL
		Ankerite veinlets and quartz nodules	14080	679.0	683.0	4.0	NIL
		Trace disseminated pyrite	14081	683.0	686.5	3.5	.009
		Increasing quartz injection, brecciation to base and irregular contact with underlying unit	10689	686.5	689.0	2.5	.005
		681.2 - 681.4 Fault gouge					
		683.5 - 684.6 Fault gouge					
689.0	691.5	WHITE QUARTZ	10654	689.0	691.5	2.5	.001
		No visible mineralization					
		Some talc schist inclusions; pyritic					
		Upper and lower contacts transitional to talc schist					
		Somewhat brecciated					
691.5	693.0	TALC SCHIST	10655	691.5	693.0	1.5	.002
		Trace disseminated pyrite cubes					
		Schistosity at 30 deg. TCA					
693.0	698.8	WHITE QUARTZ	10656	693.0	695.8	2.8	.003
		No visible mineralization	10657	695.8	698.8	3.0	.009
		Contains fragments of talc schist which do contain trace pyrite cubes. Contacts both irregular					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
698.8	700.9	TALC SCHIST Trace disseminated pyrite cubes; somewhat brecciated with thin q-cb at 35 deg. TCA. Lower and upper contacts relatively sharp at 35 deg. TCA	10658	698.8	700.9	2.1	.002	
700.9	704.4	WHITE QUARTZ No visible mineralization Contains fragments of talc schist Bottom contact irregular	10659 10660	700.9 701.7	701.7 704.4	0.6 2.7	TR .004	
704.4	709.0	QUARTZ FLOODED PORPHYRY/BRECCIA Greyish beige in colour Chlorite veinlets Approx. 30% quartz injection as iregular patches and veins of various orientation 1% very fine disseminated pyrite Some tourmaline veinlets Intensely silicified. Possibly some prior sericitization Occasional relict phenocrysts	10661 10662	704.4 706.7	706.7 709.0	2.3 2.3	.017 .008	
709.0	711.2	WHITE QUARTZ Fractures stained with hematite and containing 1% fine pyrite Gradational top and bottom contacts	10663	709.0	711.2	2.2	TR	
711.2	722.2	BRECCIATED QUARTZ FLOODED FELDSPAR PORPHYRY Greyish being to pinkish beige in colour Fine grained matrix with coarser white feldspar 40-50% white quartz injection 5-10% fine disseminated and veined pyrite	10664 10665 10666 10667 10668	711.2 714.7 716.1 718.4 720.3	714.7 716.1 718.4 720.3 722.2	3.5 1.4 2.3 1.9 1.9	.013 .013 .111 .019 .034	 TR

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
722.2	728.0	FELDSPAR PORPHYRY Mottled greyish beige with pinkish areas Mild foliation at 50 deg. TCA Aphanitic matrix with 40-50% white feldspar phenocrysts 20% quartz veins Silicified Chlorite veinlets 5-10% disseminated and veined pyrite	10669	722.2	725.1	2.9	NIL	
			10670	725.1	728.0	2.9	.042	
728.0	728.9	TALC SCHIST Dark green Very sheared Contains porphyry, ankerite and quartz veins Increasing disseminated pyrite towards base (5%) Top and bottom contacts abrupt and at 40 deg. TCA	10671	728.0	728.9	0.9	.047	
728.9	732.6	FELDSPAR PORPHYRY Similar to 722.2 - 728.0 Pyrite is associated with tourmaline veinlets and is clotted	10672	728.9	730.8	1.9	.085	NIL
			10673	730.8	732.6	1.8	.196	NIL
732.6	733.9	INTENSELY SHEARED DIORITE Blackish greenish Very sheared, mylonitic at 30 deg. TCA, however deformed Non-magnetic 5-10% disseminated pyrite cubes Upper contact 50 deg. TCA	10674	732.6	733.9	1.3	.111	.070
			14082	733.9	735.0	1.1	.003	
733.9	750.9	FELDSPAR PORPHYRY INTERCALATED WITH TALC SCHIST Upper contact approx. 90 deg. TCA Colour ranges from medium grey to pinkish beige Aphanitic matrix, 30-50% feldspar phenocrysts Up to 40% white quartz injection	10675	735.0	738.0	3.0	.006	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
733.9	750.9	FELDSPAR PORPHYRY INTERCALATED WITH TALC SCHIST (Cont'd)						
		Areas of greater quartz injection are pinker in colour 5-10% disseminated fine, clotted and veined pyrite						
		738.0 - 738.9 Talc schist with 5% disseminated pyrite	10676	738.0	738.9	0.9	TR	
		738.9 - 739.7 Feldspar porphyry Light grey Mild foliation 5% fine disseminated pyrite	10677	738.9	739.7	0.8	.003	
		739.7 - 740.3 Talc schist 1% disseminated pyrite						
		740.3 - 741.4 Feldspar porphyry or quartz breccia Very silicified Little remnant porphyry Some pieces of talc schist	10678	740.3	741.4	1.1	.018	
		741.4 - 741.6 Diorite 10% disseminated pyrite Variably magnetic Lower and upper contacts: 30 deg. TCA						
		741.6 - 743.1 Talc schist 2% pyrite blebs	10679	741.6	743.1	1.5	.075	
		743.1 - 744.2 Feldspar porphyry Upper contact 50 deg. TCA 5% fine disseminated pyrite Lower contact 30 deg. TCA	10680	743.1	744.2	1.1	.010	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
733.9	750.9	FELDSPAR PORPHYRY INTERCALATED WITH TALC SCHIST (Cont'd)						
		744.2 - 744.6 Talc schist Trace disseminated pyrite						
		744.6 - 750.9 Feldspar porphyry Upper contact 50 deg. TCA Pinkish beige with dark grey zones Mild foliation 30 deg. TCA Some ankerite veinlets and tourmaline veinlets Quartz veins 30 deg. TCA 5-10% fine disseminatd and clotted pyrite Lower contact 20 deg. TCA	10681 10682 10683	744.6 747.5 749.3	742.5 749.3 750.9	2.9 1.8 1.6	.004 .003 .002	
750.9	797.4	TALC SCHIST OR ULTRAMAFIC 1% pyrite blebs Locally magnetic Sheared mylonitic (50 deg. TCA) Contains two diorite dykes	10684	750.9	753.4	2.5	.004	
		776.9 - 777.7 Foliated diorite 50 deg. TCA Strongly magnetic Trace pyrite						
		786.4 - 786.7 Foliated diorite 50 deg. TCA Trace pyrite Strongly magnetic						
797.4	826.0	SHEARED DIORITE Greenish black Fine-medium grained Qtz and ankerite veinlets Foliation from 30 - 60 deg. TCA Mylonitic in places Strongly magnetic 5-15% disseminated pyrite locally	10685 10686 10687 10688	797.4 800.3 803.0 805.4	800.3 803.0 805.4 807.8	2.9 2.7 2.4 2.4	.002 .002 .004 .003	

RE-LOGGING OF SIGNIFICANT INTERSECTIONS - JANUARY 90
N.O. WILLOUGHBY

HOLE # FX-8962

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
477.5	495.0	LAMINATED SEDIMENTS, IRON FORMATION					
		10611 - Mainly IF; at 479.6 - 480.3 15% diss. py in laminated IF, 2% quartz-carb veinlets, patches parallel schistosity with some minor py inclusions; patches = sheared out veins At 480.3 - 481.0 - Lesser py At 479.1 - 479.6 - Mainly pyritic sericite-chlorite schist with 5% qtz-carb veins, patches	10611	479.1	481.0	1.9	.045
		10613 - Mainly chlorite-sericite schist with 2-5% diss. py At 483.2 - 484.5 - 20% qtz flooding - veining plus some earlier ank-carb veins; generally barren of sulphides At 484.5 - 485.2, up to 10% py with a couple of narrow IF bands, some qtz +/- carb veins crosscutting, slightly oblique to schistosity	10613	483.2	485.7	2.5	.044
658.6	674.3	FELDSPAR PORPHYRY					
		10648 - Grey to light grey to 662.2 Orangy brown altered to 663.5 Quartz flooded and veined, esp. to 662.2 with diss. py approx. 2% throughout Some narrow qtz veins crosscutting at 80 deg., 15 deg. TCA; contains some py	10648	661.0	663.5	2.5	.050
		10649 - Similar to above, however, pinker and more silica flooding with 5% diss. py throughout, plus some clots in qtz material	10649	663.5	666.2	2.7	.068
		10650 - Similar to 661.0 - 662.2	10650	666.2	669.0	2.8	.014
		10652 - Lots of quartz flooding with up to 10% py diss. and 15% tourm. needles, veinlets over last foot, in qtz-carb vein material, flooding	10652	672.0	674.3	2.3	.061

RE-LOGGING OF SIGNIFICANT INTERSECTIONS

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
711.2	722.2	BRECCIATED AND QTZ FLOODED FELDSPAR PORPHYRY	10666	716.1	718.4	2.3	.111
		10666 - Fairly typical with 3% diss. py; some fractures at 0 deg. TCA					
728.9	732.6	FELDSPAR PORPHYRY					
		10672 - Typical	10672	728.8	730.8	2.0	.085
		10673 - A thin qtz-py fracture at 5 deg. TCA at 731.8	10673	730.8	732.6	1.8	.196
732.6	733.9	IRON FORMATION, LAMINATED SEDIMENT	10674	732.6	733.9	1.3	.111
		10674 - Sil, contorted, some narrow porphyry dyklets, 5-10% diss. py					

MINROC MANAGEMENT LIMITED

DRILL LOG - FOURAX II PROPERTY

HOLE NO.: FX-8963	TOWNSHIP: FOURNIERE, QUE.	CORE SIZE: BQ
COORDINATES: L10+00E 6+50N	RANGE: X	DRILLED BY: FORAGE MODERNE INC.
COLLAR ANGLE: -50 DEG.	LOT NO.:	DATE STARTED: 07/11/89
LOCATED FROM: BL	CLAIM NO.: 335177-4	DATE COMPLETED: 09/11/89
AZIMUTH: 205		LOGGED BY: L. MELCHIORRE
LENGTH: 758 FT.		PAGE: 1 OF 12

DEPTH	AZIMUTH	ANGLE READ	ANGLE ACTUAL
200 FT.	205		-48 DEG.
600 FT.	205		-45 DEG.
758 FT.	205		-44 DEG.

REMARKS:

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
0.0	75.0	OVERBURDEN					
75.0	308.6	MAFIC VOLCANIC Very fine grained to aphanitic, green to light green Scattered pillow selvages(?) of chlorite/carbonate pyrite blebs Scattered carbonatized sections 93.8 - 98.5 Fracture zone, 3% carb-epidote veins vug fillings, occasional pyrite associated 127.0 Carb/silica selvage w/ 5% cp, py splashes A few silmilar features throughout 175.3 - 175.5 Narrow qv at 70 deg. TCA w/ 5% py cubes in host and diss. within qv 187.0 - 202.5 Carbonate alteration as irregular patches Moderately pervasive, minor diss. py 247.3 Narrow py carb v or selvage at 80 deg. TCA 252.8 Narrow mass py veinlet at 85 deg. TCA 301.2 - 304.2 Qv or porphyry at 88 deg. TCA w/ some py blebs, stringers at contact and volcanic inclusions					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
308.6	316.0	SHEARED MAFIC VOLCANIC-DIORITE	10690	306.6	308.6	2.0	TR
		Green to dark green, fine to medium dark grained	10691	308.6	311.1	2.5	.005
		Schistosity at 70 deg. TCA	10692	311.1	313.6	2.5	.003
		Variable carbonatization	10693	313.6	316.0	2.4	.002
		Numerous carbonate +/- quartz stringers	10694	316.0	318.0	2.0	.001
		Up to 5% diss. py, some stringers					
		Strongly magnetic					
		313.1 - 313.3 Qcv at 75 deg. TCA w/ py at contacts					
316.0	317.7	DIORITE, MAFIC VOLCANIC					
		Generally fine grained with 15% amphibole needles.					
		Moderate to strong foliation at 65 deg. TCA					
317.7	354.7	MAFIC VOLCANIC OR FINE TUFF					
		Similar to 75.0 - 308.6 w/ more pronounced					
		foliation at 40 deg. TCA on average					
		Numerous scattered narrow shears notably at					
		325.2 (40 deg. TCA), 336.0 - 337.2 (carb stringers,					
		veinlets parallel 40 deg.)					
		No evidence of pillow selvages					
		354.6 Narrow qv at 45 deg. TCA and parallel foliation					
354.7	361.0	MAGNETIC DIORITE OR IRON FORMATION					
		Green to dark green, fine grained					
		Past workers logged this as diorite					
		Box 16 - Some epidote alteration and textural habit					
		supports diorite in some portions					
		Some epidotization, occassional epidote +/-					
		carbonate +/- py stringers +/- ank					
		Foliated at 45 deg. TCA					
		Irregular distribution of diss. py, approx. 3%					
		in places; minor cp also					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
354.7	361.0	MAGNETITE DIORITE (Cont'd) Upper contact characterized by a narrow quartz-epidote vein w/ 5% py blebs at quartz rim, parallel foliation Qv with some ass. py mainly at quartz rims at 359.3 - 359.5 (50 deg. TCA) and 360.2 - 360.3 (60 deg. TCA) Carbonate stringers to base, contact at approx. 75 deg. TCA Extremely magnetic w/ up to 30% magnetite in in chlorite-carbonate matrix. In places, banded nature suggests magnetite iron formation.					
361.0	383.3	MAFIC VOLCANIC Similar to 317.7 - 354.7, but with some pillow selvages A few dioritic sections, plus some narrow chloritic +/- qc shears Minor diss. py w/ concentrations in selvages (Shear) foliation at 35 deg. TCA					
383.3	388.5	SHEARED TO SCHISTOSE MAFIC METAVOLCANIC Green to light green fine grained In part, may be sediment Schistosity at 50 deg. TCA Considerably chloritic	10695	386.5	388.5	2.0	NIL
388.5	400.6	TUFFACEOUS SEDIMENT, IRON FORMATION Intermixed laminated sericite-chlorite metasediment chloritic schist and magnetite-rich iron formation (?) Schistosity variable from 35 - 65 deg. TCA w/ some deformation 388.5 - 389.4 Sericite-chlorite sediment	10696	388.5	391.6	3.1	NIL

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
388.5	400.6	TUFFACEOUS SEDIMENT, IRON FORMATION (Cont'd)					
		389.4 - 391.6 Magnetite iron formation, somewhat vuggy and brecciated; 25% mag in chloritic-carb altered groundmass. Up to 20% carb fragments (?) Scattered diss. py approx. 1-2%					
		391.6 - 392.4 Chloritic schist	10697	391.6	394.3	2.7	NIL
		392.4 - 394.3 Magnetite iron formation with 2-3% py blebs, diss, 25% carb patches and/or fragments					
		394.3 - 395.3 Magnetic chloritic tuff w/ schistosity 80 deg. TCA	10698	394.3	397.0	2.7	TR
		395.3 - 397.0 Sericite-chlorite sediment					
		397.0 - 400.6 Magnetic chloritic tuff, silicified	10699	397.0	400.6	3.6	.002
400.6	410.9	INTERMEDIATE FELDSPAR PORPHYRY	10700	400.6	403.0	2.4	.003
		Grey green to pinkish grey green, medium grained	10701	403.0	405.0	2.0	.001
		Contact with overlying unit at 90 deg. TCA	10702	405.0	407.0	2.0	.003
		Strongly foliated at 90 deg. TCA to 402.0	10703	407.0	410.9	3.9	.002
		402.5 A splash of cp; otherwise variably pyritic w/ local concentrations to 5% blebs + diss.					
		401.8 Also up to 1% cp + gn blebs throughout, notably at 401.8; apparently assoc. with carb stringers. Also some magnetic to 403.5					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
400.6	410.9	INTERMEDIATE FELDSPAR PORPHYRY (Cont'd) 405.0 - 406.5 Coarser pinkish grey, more felsic porphyry; Vuggy with up to 5% py diss. Some qtz phenocrysts to base Owing to broken core, basal contact vague					
410.9	421.6	CARBONATE VEINED AND BRECCIATED LAMINATED SEDIMENT Similar to 388.5 - 400.6 with highly magnetic (iron fm) sections at 411.0 - 412.2, 415.7 - 416.3 Up to 5% stringers diss. in sediment 412.2 - 413.0 Carb-ank alteration parallel schistosity at approx 65 deg. TCA, 1-5% finely diss. py 414.0 - 415.3 Extensive ankerite-carb veining/breccia with contact approx 90 deg. TCA 416.6 - 420.0 Upper contact 80 deg. TCA, lower contact 35 deg. TCA w/ generally minor diss, masses py	10704 10705 10706 10707 10708	410.9 413.0 415.3 416.6 420.0	413.0 415.0 416.6 420.0 423.0	2.1 2.0 1.3 3.4 3.0	.001 .011 .006 .004 .008
421.6	437.7	TALC-CHLORITE SCHIST Green to grey green Some carbonate, minor py Schistosity at 75 deg. TCA Some less talcose sections Moderately magnetic					
437.7	442.6	ALTERED MAFIC VOLCANIC Green to light grey green w/ irregular patches and networks of carb-ank. alteration Some talcose sections; may in part be ultramafic Weakly magnetic; some py diss.	10709	440.6	442.6	2.0	NIL

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
442.6	443.8	QUARTZ +/- CARBONATE VEIN Carbonate + silica alteration zone over first 30 cm w/ 5-8% py diss. stringers Mainly quartz over remainder w/ minor diss py Upper contact 30 deg. TCA; lower contact irregular	10710	442.6	443.8	1.2	.009
443.8	448.3	ALTERED MAFIC VOLCANIC Similar to 437.7 - 442.6	10711	443.8	445.8	2.0	TR
448.3	458.2	TALC CHLORITE SCHIST Similar to 421.6 - 437.7 Foliation at 60 deg. TCA Less talcose, more siliceous to base					
458.2	464.9	ALTERED MAFIC VOLCANIC Similar to 437.7 - 442.6 Narrow qv and fault gouge over first 60 cm; contact 90 deg. TCA w/ overlying unit.	10712	457.6	459.6	2.0	.010
			10713	459.6	460.6	1.0	.054
			10714	460.6	462.0	1.4	.038
		460.0 - 460.5 Qv +/- ank; no notable sulphides	10715	462.0	464.9	2.9	.004
464.9	483.0	QUARTZ +/- ALBITE/ANKERITE VEIN AND BRECCIA ZONE Upper contact at 50 deg. TCA Consists mainly of white to grey bull quartz with 20% generally irregular and angular host rock fragments to 6" dia.					
		464.9 - 479.0 Host rock fragments of altered mafic volcanic as at 458.2 - 464.9 Scattered ank/albite patches, frequently in fragments and at quartz-fragment boundaries. Fine fractures at 30 and 60 deg. TCA, the latter parallel schistosity of volcanic - often filled by	10716	464.9	467.4	2.5	.008
			10717	467.4	469.9	2.5	.004
			10718	469.9	472.4	2.5	.002
			10719	472.4	474.9	2.5	.009
			10720	474.9	478.3	3.4	.005
			10721	478.3	481.0	2.7	.044
			10722	481.0	483.5	2.5	.001

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
464.9	483.0	QUARTZ +/- ALBITE/ANKERTIE VEIN AND BRECCIA ZONE (Cont'd)					
		464.9 - 479.0 (Cont'd)					
		later quartz + ank. Over last foot, fract. spacing 1-2" Minor py					
		479.0 - 483.0 Host rock is pyritic (15%) silicified, sericitic (previous alteration) metasediment; Not as fragmental as 464.9 - 479.0 and later quartz better described as flooding; quartz rarely mineralized Quartz-albite filled 30 deg. Fractures strong and cross-cut 60 deg. TCA schistosity of host fragments					
483.0	488.3	ALTERED MAFIC VOLCANIC Similar to 437.7 - 442.6 Somewhat talcose; some silicification w/ quartz vein/breccia at 484.5 - 485.1; irregular contacts; sparse py	10723 10724	483.5 485.5	485.5 488.3	2.0 2.8	.001 NIL
488.3	512.2	MIXED ZONE OF ALTERED MAFIC VOLCANIC AND QUARTZ VEIN AND BRECCIA ZONE	10725 10726 10727 10728 10729 10730 10731 10732 10733 10734	488.3 492.0 495.5 497.5 499.5 501.0 503.5 505.5 507.2 509.7	492.0 495.5 497.5 499.5 501.0 503.5 505.5 507.2 509.7 512.2	3.7 3.5 2.0 2.0 1.5 2.5 2.0 1.7 2.5 2.5	.024 .008 .002 .001 TR .003 .031 .013 .076 .003
		488.3 - 488.9 Grey quartz vein and flooding w/ ribbon texture, talc-chlorite altered volcanic fragments; upper contact 80 deg. TCA					
		488.9 - 490.2 Silicified and potassic altered, pyritic (5-10%) metasediment; foliation 70 deg. TCA					
		490.2 - 492.7 Quartz vein breccia w/ pyritic sediment Fragments similar to 479.0 - 483.0					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
488.3	512.2	MIXED ZONE OF (Cont'd)					
		492.7 - 501.0 Quartz breccia w/ altered mafic volcanic similar to 464.9 - 479.0					
		Mainly altered volcanic at 494.0 - 494.7, 495.6 - 497.5, 499.2 - 501.0					
		501.0 - 503.1 White and greyish quartz vein w/ Bx at 502.0					
		Lower contact gradual flooding, approx. 90 deg. TCA Upper contact not visible - broken core					
		503.1 - 512.0 Quartz vein/breccia w/ host + host fragment Siliceous sericitic, pyritic sediment similar to 490.2 - 492.7 Several discrete veins at 40 - 60 deg. TCA at 504.0 - 504.2, 506.7 - 507.0, 507.7 - 507.8, 512.0 - 512.2					
512.2	555.0	SERICITE-CHLORITE SCHIST +/- TALC, IRON FORMATION Green to greyish green, moderately magnetic Schistosity at 70 deg. TCA Some carbonate bands (veinlets?) and bleb-form alteration Scattered py blebs, cubes approx. 1% Several 2-6" magnetic brownish sections (IF?) from 519.6 and contain up to 20% diss py Contacts of these seds approx. 80 deg. TCA (Possibly felsic intrusive?) Important sections of this IF at 519.5 - 522.0 w/ at 520.0 - 521.0 contorted foliation to 20 deg. TCA; 524.5 - 524.7, 525.9 - 527.1, 528.9 - 530.5; w/ some qv, 538.3 - 541.0	10735	512.2	514.7	2.5	.001
			10736	519.5	522.0	2.5	.006
			10737	522.0	524.5	2.5	.001
			10738	524.5	527.0	2.5	.028
			10739	527.0	529.5	2.5	.030
			10740	529.5	532.0	2.5	.006
			10740A	539.0	541.5	2.5	.002

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
512.2	555.0	SERICITE-CHLORITE SCHIST +/- TALC (Cont'd)					
		528.8 - 529.3 Narrow qv at 30 deg. TCA					
		531.0 - 532.6 Several thin semi-massive py bands within discrete biotite alteration ground mass					
		532.6 - 533.0 Light brownish grey silicified felsic porphyry dyke w/ 2% py diss; contacts at 35 deg. TCA, some chlorite contact alt. Several chloritic fractures at 30 - 35 deg. TCA	10741	550.1	552.6	2.5	.001
			10742	552.6	555.1	2.5	.002
555.0	559.0	FELSIC FELDSPAR PORPHYRY Light brownish grey with 15-20% relict feldspar phenocrysts, 1-2% diss. py	10743	555.1	559.0	3.9	TR
559.0	565.5	MINERALIZED ALTERED MAFIC VOLCANIC Similar to 437.7 - 442.6 w/ up to 10% blebs, diss py plus several irregular patches (fragments?) of biotite alteration containing semi-massive py Notable semi-massive py sections at 561.0 - 561.7, Some of this section may be sediments	10744	559.0	561.0	2.0	.003
			10745	561.0	563.5	2.5	.025
			10746	563.5	565.5	2.0	.002
565.5	576.7	TALC-CHLORITE SCHIST Bluish grey, very talcose Moderately to strongly magnetic Schistosity at 80 deg. TCA w/ some local deformation					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
576.7	581.0	SILICIFIED MAFIC VOLCANIC OR DIORITE Green to grey green medium grained Silicified with some shear laminae at 30 deg. to 10 deg. TCA Some bands of magnetite (20%) alternate with chlorite, carbonate - in part IF? 5-10% diss. blebs py Upper and lower contact at 10 deg. TCA Upper contact intensely sheared and chloritic	10747 10748	576.0 578.5	578.5 581.0	2.5 2.5	NIL TR
581.0	586.3	CHLORITE-TALC SCHIST Dark grey to grey green, more chloritic than preceding unit Pyrite concentrations to 5% from 583 ft. Schistosity at 10-15 deg. TCA Carbonate +/- quartz alteration to base Upper contact conformable Lower contact 90 deg. TCA 576.7 - 590.3 Perhaps a discrete fault/shear zone	10749 10750 10751	581.0 583.5 586.0	583.5 586.0 588.5	2.5 2.5 2.5	NIL NIL NIL
586.3	690.4	TALC-CHLORITE SCHIST, ULTRAMAFIC VOLCANIC Fine grained, bluish grey to bluish grey green Schistosity at 50 deg. TCA and not well developed throughout Scattered py and ank/carb veinlets					
690.4	697.8	MAFIC VOLCANIC DIORITE Fine grained, green Magnetic; some scattered carb veinlets at 35 deg. and 50 deg. TCA Some minor py diss; blebs 696.8 - 697.8 A narrow ankerite vein parallel TCA					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
697.8	699.0	ULTRAMAFIC VOLCANIC/INTRUSIVE Green to dark green, medium grained equigranular Upper contact 90 deg. TCA Lower contact diffuse Some serpentine					
699.0	708.0	TALC-CHLORITE SCHIST Similar to 586.3 - 690.4 Schistosity at 70 deg. TCA Some coarse, less schistose sections Qv at 705.8 - 706.0; 80 deg. TCA Some other narrow qv and quartz flooding from 705.0; minor py in this area	10752 10753	705.0 707.0	707.0 709.0	2.0 2.0	NIL NIL
708.0	744.0	SILICIFIED MAFIC VOLCANIC DIORITE Fine to medium grained, green to brownish grey green Schistosity/foliation at 80 deg. TCA but variable, some deformed laminae suggests sed in part Considerable quartz flooding (10%) silicification w/ up to 20% finely diss. py; strongly magnetic Decreasing py to base and less silicified Some irregular albite alteration patches at base	10754 10755 10756 10757 10758	709.0 711.5 714.0 716.5 719.0	711.5 714.0 716.5 719.0 721.5	2.5 2.5 2.5 2.5 2.5	.001 .016 .010 .001 .002
744.0	758.0	TALC-CHLORITE SCHIST, ULTRAMAFIC VOLCANIC Bluish grey, fine grained Relatively massive from 750.0; schistosity to 750.0 avg. 60 deg. TCA Upper contact 70 deg. TCA Strongly magnetic					
	758.0	END OF HOLE					

MINROC MANAGEMENT LIMITED

DRILL LOG - FOURAX II PROPERTY

HOLE NO.: FX-8964 | TOWNSHIP: FOURNIERE. QUE. | CORE SIZE: BQ

COORDINATES: L9+00E 5+75N | RANGE: X | DRILLED BY: FORAGE MODERNE INC.

COLLAR ANGLE: -50 DEG. | LOT NO.: | DATE STARTED: 09/11/90

LOCATED FROM: BL | CLAIM NO.: 335177-4 | DATE COMPLETED: 10/11/90

AZIMUTH: 205 DEG. | LOGGED BY: L. MELCHIORRE

LENGTH: 640 FT. | PAGE: 1 OF 11

DEPTH	AZIMUTH	ANGLE READ	ANGLE ACTUAL
200 FT.	205		-48 DEG.
400 FT.	205		-48 DEG.
600 FT.	205		-43 DEG.

REMARKS:

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
0.0	72.0	OVERBURDEN					
72.0	255.3	MAFIC VOLCANIC Including tuff Dark to medium green in colour Fine grained Needle crystals near top Massive, pillowed and brecciated zones (in order of appearance down core) Veinlets containing epidote and pyrite - variable orientations Veinlets of quartz and ankerite Silicified 75.0 - 81.0 Two clots of epidote and pyrite (2") 148.2 - 148.6 Two inch white quartz vein adjacent to one inch ankerite and pyrite vein Contacts almost perpendicular to core axis 207.0 - 255.3 Moderate foliation 50 deg. TCA 217.2 Hematite staining in ankerite vein 217.5 - 255.3 Abundant epidote veinlets of variable orientation 218.0 - 221.0 Laminated tuff 50 deg. TCA Locally magnetic 222.3 - 222.5 Laminated tuff 50 deg. TCA Magnetic					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
72.0	255.3	MAFIC VOLCANIC (Cont'd)					
		222.5 - 255.3 Laminated tuff 50 deg. TCA Fine grained Coarse grained horizons Ankerite and epidote veinlets Local pyritiferous horizons Few quartz nodules and vein 50 deg. TCA					
255.3	259.0	MAFIC VOLCANIC Mildly foliated Dark greenish black Fine grained 1% pyrite blebs concentrated along foliation in places Ankerite and epidote veinlets - 40 deg. TCA Upper contact 90 deg. TCA Lower contact 50 deg. TCA					
259.0	261.6	MAFIC VOLCANIC Similar to unit @ 72.0 - 255.3					
261.6	267.8	MAFIC VOLCANIC Similar to unit @ 255.3 - 259.0					
267.8	278.5	MAGNETIC GABBRO Medium grained Black in colour Trace disseminated pyrite					
278.5	288.3	MAFIC VOLCANIC Similar to unit @ 255.3 - 259.0 Moderately sheared, broken up at base					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
288.3	291.7	IRON FORMATION OR GABBRO Upper contact broken up Fine-medium grained Quartz and ankerite veinlets Follow foliation @ approx. 50 deg. TCA 10-15% disseminated pyrite Basal contact 50 deg. TCA Strongly magnetic	10926 10927	288.3 291.0	291.0 291.7	2.7 0.7	.003 .009
291.7	294.0	SERICITE CHLORITE SCHIST Dark green Quartz and ankerite veining follows foliation 2% disseminated pyrite cubes	10928	291.7	294.0	2.3	TR
294.0	295.6	WHITE ALBITE +/- QUARTZ VEIN Bordered by silicified area 1% disseminated pyrite in silicified zone	10929	294.0	295.6	1.6	.033
295.6	297.1	MAGNETITE IRON FORMATION, LAMINATED SEDIMENTS 1-2% disseminated pyrite	10930	295.6	297.1	1.5	.003
297.1	302.5	FAULT ZONE Broken up chlorite schist Foliation at 50 deg. TCA	10931	297.1	302.0	4.9	.002
302.5	304.3	SERICITE-CHLORITE SCHIST 1% disseminated pyrite	10932	302.5	304.3	1.8	.003
304.3	305.0	MAGNETITE IRON FORMATION OR GABBRO	10933	304.3	305.0	0.7	.001
305.0	306.8	SERICITE-CHLORITE SCHIST	10934	305.0	306.8	1.8	.001
306.8	307.4	MAGNETITE IRON FORMATION OR GABBRO	10935	306.8	307.4	0.6	.008

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
307.4	308.3	SERICITE-CHLORITE SCHIST Contains 1 - 2 inch quartz + ankerite vein	10936	307.4	308.3	0.9	.011
308.3	308.5	FOLIATED GABBRO OR IRON FORMATION 2-3% disseminated pyrite					
308.5	310.0	SERICITE-CHLORITE SCHIST Contains quartz + ankerite vein 50 deg. TCA Up to 5-10% disseminated pyrite near base	10937	308.5	310.0	1.5	.007
310.0	311.3	WHITE ALBITE + QUARTZ VEIN Trace fuchsite	10938	310.0	311.3	1.3	.011
311.3	311.4	SERICITE-CHLORITE SCHIST					
311.4	314.1	QUARTZ AND ALBITE INJECTED SERICITE-CHLORITE SCHIST Strongly silicified Up to 10% pyrite disseminated and following fractures Foliation @ 50 deg. TCA	10939 10940	311.4 312.3	312.3 314.1	0.9 1.8	.011 .040
314.1	315.3	SERICITE-CHLORITE SCHIST 5-10% disseminated pyrite	10941	314.1	315.3	1.2	.005
315.3	317.6	QUARTZ + ALBITE INJECTED SERICITE-CHLORITE SCHIST 5-10% disseminated pyrite Concentrated in foliation planes in places	10942	315.3	317.6	2.3	.010
317.6	318.0	SERICITE-CHLORITE SCHIST Moderately magnetic					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
318.0	323.5	CHLORITE-SERICITE +/- TALC SCHIST INJECTED BY QUARTZ-ALBITE VEINS Tr. disseminated pyrite	10943	318.0	320.4	2.4	.001
			10944	320.4	322.0	1.6	.002
		322.0 Abundant chlorite alteration	10945	322.0	323.5	1.5	.004
		323.5 Up to 5% dissseminated pyrite in chlorite Lower contact 40 deg. TCA					
323.5	333.1	MAFIC VOLCANIC Moderately foliated Blackish in colour 1% disseminated pyrite	10946	331.1	333.1	2.0	.033
333.1	337.9	SILICIFIED FELDSPAR PORPHYRY Upper contact 20 deg. TCA Light grey in colour. Moderate foliation. White feldspar phenocrysts account for approx. 30-40% of rock chlorite veinlets Trace disseminated pyrite	10947	333.1	334.6	1.5	.001
		334.6 - 335.4 Chlorite-talc schist 2% disseminatd pyrite 1" qtz vein 60 deg. TCA Upper and lower contact 40 deg. TCA	10948	334.6	335.4	0.8	.001
		335.4 - 337.8 Porphyry 5% pyrite - some disseminated Some concentrated in foliation 50 deg. TCA Trace chalcopyrite Lower contact 50 deg. TCA	10949	335.4	337.8	2.4	.002
337.8	342.8	TALC-CHLORITE +/- SERICITE SCHIST Sericitic in places Trace disseminated blebs of pyrite	10950	337.8	340.2	2.4	.004
			10951	340.2	342.8	2.6	.004

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
342.8	344.7	WHITE QUARTZ VEIN Chlorite, sericite, tourmaline, albite and pinkish mineral (K-feldspar?) 1% disseminated pyrite	10952	342.8	344.7	1.9	.007
344.7	348.9	FOLIATED FELDSPAR PORPHYRY Medium grey in colour Silicified 5-10% disseminated and veined pyrite Broken core @ 348'	10953	344.7	348.9	4.2	.110
348.9	361.5	SERICITE-CHLORITE SCHIST Trace disseminated pyrite	14052	348.9	352.0	3.1	.006
			14053	352.0	354.0	2.0	.019
		354.0 - 355.6 Quartz vein with chlorite veinlets and 1% pyrite within chlorite	10954	354.0	355.6	1.6	.050
			14054	355.6	361.5	5.9	.002
361.5	367.9	QUARTZ AND ANKERITE INJECTION IN SERICITE-CHLORITE SCHIST	10955	361.5	365.1	3.6	.002
		Trace disseminated pyrite blebs	10981	365.5	367.9	2.4	TR
367.9	376.5	QUARTZ FLOODED PORPHYRY					
		Very brecciated	10956	367.9	371.0	3.1	.014
		Medium grey in colour	10957	371.0	373.7	2.7	.015
		Fine chlorite veinlets	10958	373.7	376.5	2.8	.017
		10-15% fine pyrite and veined pyrite					
376.5	377.6	SERICITE-CHLORITE SCHIST Contains 2 inch white quartz vein 60 deg. TCA Magnetic	10959	376.5	377.6	1.1	.001
377.6	378.5	QUARTZ FLOODED PORPHYRY Contacts 50 deg. TCA	10960	377.6	378.5	0.9	.002

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
378.5	384.2	TALC-SERICITE-CHLORITE SCHIST					
		383.2 - 384.2 Very chloritic at base	10961	378.5	380.8	2.3	.002
		White quartz vein 1" 40 deg. TCA Magnetic	10962	383.2	384.2	1.0	TR
384.2	388.3	QUARTZ FLOODED PORPHYRY	10982	384.2	386.0	1.8	.021
		10-15% disseminated pyrite	10964	386.0	388.3	2.3	
		White quartz veining					
388.3	405.2	CHLORITE-SERICITE SCHIST	10965	388.3	390.8	2.5	.006
		Appears talcose near base Trace disseminated pyrite, moderately magnetic					
405.2	405.4	SHEARED FELDSPAR PORPHYRY 50 deg. TCA, pinkish magnetic					
405.4	412.8	MYLONITIC CHLORITE-SERICITE SCHIST	10966	410.0	412.8	2.8	.001
		Trace pyrite. Magnetic					
412.8	414.0	FELDSPAR PORPHYRY	10967	412.8	414.0	1.2	.002
		Massive Pinkish 40% white feldspar phenocrysts 1% fine disseminated pyrite					
414.0	472.9	SERICITE + TALC-CHLORITE SCHIST WITH DIORITE DYKES (?)	10968	414.0	415.2	1.2	.003
		Moderately magnetic	10969	444.2	446.3	2.1	.002
		2-3% pyrite					
		415.2 - 415.7 Diorite dykes (iron formation?) Greyish colour Foliated Magnetic Trace disseminated pyrite					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
414.0	472.9	SERICITE + TALC-CHLORITE SCHIST (Cont'd)					
		420.8 - 421.3 Diorite dyke (iron formation?) Magnetic Foliated					
		422.1 - 422.2 Diorite dyke (iron formation?) Foliated Trace pyrite Magnetic					
		446.3 - 447.2 Feldspar porphyry Medium grey Foliated 50 deg. TCA 5-10% disseminated pyrite Late q.c.v. crosscutting at 70 deg. TCA w/ 2% py	10970	446.3	447.2	0.9	.100
		447.2 - 448.0 Chlorite-sericite schist	10971	447.2	448.0	0.8	TR
			14055	448.0	450.0	2.0	.030
		448.0 - 554.5 Abundant ankerite injection	14056	450.0	453.0	3.0	.085
			14057	453.0	455.4	2.4	.004
		448.5 - 448.8 Diorite Dark green 10-15% pyrite					
		455.4 - 456.0 Feldspar porphyry Foliated 50 deg. TCA Beige Trace pyrite	10972	455.4	456.0	0.6	.006
		472.6 - 472.9 Silicified diorite? Bluish grey Magnetic					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
472.9	640.0	ULTRAMAFIC VOLCANIC Blackish Sheared mylonitic Injected throughout with ankerite veinlets Mildly magnetic. Strong chloritic, talc alteration 1% disseminated pyrite					
		476.0 - 478.5 Ankerite veinlets contain tourmaline	10973	476.0	478.5	2.5	TR
		Trace pyrite	10974	478.5	481.0	2.5	.002
		483.4 - 484.8 Gabbroic dyke 5-10% disseminated pyrite Strongly magnetic Mildly foliated	10975	483.4	484.8	1.4	.002
		500.5 - 501.0 Fault zone Very soft					
			14058	498.0	501.0	3.0	.004
		501.0 - 502.3 Silicified diorite or porphyry	10976	501.0	502.3	1.3	.110
		Magnetic Foliated Up to 5% disseminated pyrite					
		502.3 - 502.5 Fault zone Very soft					
		502.5 Ankerite veinlets	10977	502.3	505.8	3.5	NIL
		Broken up, chaotic	10978	505.8	508.6	2.8	.001
		Mylonitic	10979	508.6	511.0	2.4	NIL
		5-10% disseminated pyrite cubes	10980	511.0	513.0	2.0	.001
		561.0 - 562.0 Very broken up Fault					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
472.9	640.0	ULTRAMAFIC VOLCANIC (Cont'd)					
		570.6 - 571.0 Very broken Fault					
		578.5 - 579.5 Very broken up Fault					
		582.7 - 583.7 Ground to a powder Fault					
		585.3 - 585.6 Approx. 10% disseminated pyrite in one area Some ankerite veinlets stained pinkish					
		600.6 - 601.0 Feldspar porphyry Pink 3% blebs at pyrite					
		601.0 - 602.5 Gabbro Medium grained Black Non-magnetic					
		609.0 - 623.0 Very broken up					
	640.0	END OF HOLE					

MINROC MANAGEMENT LIMITED

DRILL LOG - FOURAX II PROPERTY

HOLE NO.: FX-8965 | TOWNSHIP: FOURNIERE, QUE. | CORE SIZE: BQ

COORDINATES: L7+50E 5+75N | RANGE: X | DRILLED BY: FORAGE MODERNE INC.

COLLAR ANGLE: -50 DEG. | LOT NO.: | DATE STARTED: 10/11/89

LOCATED FROM: BL | CLAIM NO.: 335177-4 | DATE COMPLETED: 14/11/89

AZIMUTH: 205 DEG. | LOGGED BY: N.O. WILLOUGHBY

LENGTH: 640 FT. | PAGE: 1 OF 13

DEPTH	AZIMUTH	ANGLE READ	ANGLE ACTUAL
200 FT.	205		-50 DEG.
400 FT.	205		-49 DEG.
640 FT.	205		-46 DEG.

REMARKS:

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
0.0	82.0	OVERBURDEN					
82.0	159.5	MAFIC VOLCANIC Green to light green, fine grained Fairly massive Scattered pillow selvages Some scattered carbonatization 104.0 - 123.0 Contains up to 15% large amphibole needles/phenocrysts 123.0 - 124.5 Carb alteration w/ 15% py blebs; cubes In part may be pillow selvage Other qtz-carb selvages w/ py at 130.2, 133.6, 137.0 Pillow breccia to base					
159.5	204.5	MIXED MAFIC VOLCANIC AND PILLOW BRECCIA General features similar to overlying unit with some sections of subangular to rounded pillow fragments with carb-epidote matrix notably at 159.5 - 163.0, 197.0 - 204.5 200.5 A splash of cp in carb pillow selvage Fragments measure up to several inches					
204.5	247.0	MIXED MAFIC FLOW BRECCIA AND PILLOW BRECCIA Green to dark green w/ irregular shaped lighter green breccia fragments and pillow fragments Particularly notable flow bx fragments over 1st foot. Foliated at 70 deg. TCA 207.0 - 209.0 A melange of pillow selvage fragments					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
204.5	247.0	MIXED MAFIC FLOW BRECCIA AND PILLOW BRECCIA (Cont'd) Large flow bx fragments from 221.0 approximately 6-10" and foliated at 70 deg. TCA Vuggy and (fault) brecciated over last 4 ft. 240.5 - 241.5 Dark green aphanitic mafic dyke or flow, strongly magnetic					
247.0	255.0	MAFIC DYKE Fine grained to aphanitic, dark grey Extremely magnetic Upper contact 30 deg. TCA and sharp Lower contact characterized by intense shearing, sericite at 60 deg. TCA					
255.0	271.7	MAFIC VOLCANIC Fine grained to aphanitic, green to dark green Only few discernable pillow selvages Some foliation at 70 deg. TCA					
271.7	289.3	MAGNETIC DIORITE Dark green, medium grained Moderately carbonatized, epidotized Scattered epidote +/- carbonate veinlets w/ various orientations From 285.0 Strongly fractured at 50 and 30 deg. TCA					
289.3	303.7	MAFIC VOLCANIC Similar to 255.0 - 271.7 at 298.8 - 302.2 with qv zone consisting of: 298.8 - 299.5 Sericite schist (60 deg. TCA)	10759	298.8	302.2	3.4	TR

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
289.3	303.7	MAFIC VOLCANIC (Cont'd) 299.5 - 299.8 Whitish grey quartz 299.8 - 302.2 Sericite schist (60 deg. TCA)					
303.7	325.5	MAGNETIC DIORITE Dark green, fine-medium grained Moderately to strongly foliated at 65 deg. TCA, especially from 316.0 Some carbonatized Strongly magnetic Up to 10% diss. py from 322.5 316.8 - 317.0 320.5 - 322.5 Distinct sericite shears at 30 deg. TCA	10760 10761 10762 10763	316.0 318.5 320.5 322.5	318.5 320.5 322.5 325.5	2.5 2.0 2.0 3.0	NIL .004 .001 TR
325.5	325.8	MAGNETITE IRON FORMATION A thin band of dark green to brownish green laminated IF w/ 10% py diss. Upper/lower contacts sharp at 40 deg. TCA and are parallel foliation or lamination attitude	10764	325.5	326.5	1.0	.002
325.8	338.8	TALC-CHLORITE SCHIST +/- SERICITE Bluish green to bluish grey green, schistosity avg. 70 deg. TCA Scattered diss. py; moderately magnetic; sericitic in places Numerous carb bands/ stringers +/- sericite distorted in places - may in part be sediment	10765 10766	326.5 329.0	329.0 331.0	2.5 2.0	.003 .002

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
325.8	338.8	TALC-CHLORITE SCHIST +/- SERICITE (Cont'd)					
		326.5 334.0 - 335.5 Occasional irregular white carb/ank fragments (flow RX?) 326.5 - 326.8 327.8 - 328.0 Carb/ank + albite veins (ribbon texture) 332.0 - 334.3 Silicified zone w/ some folded laminae carb veining - in part may be sediment Up to 10% py diss. 332.5 - 333.2 Ank-albite veining at 80 deg. TCA as numerous bands; py in host rock + inclusions Qv and flooding over last foot	10767 10768 10769 10770	331.0 332.0 334.5 336.5	332.0 334.5 336.5 338.8	1.0 2.5 2.0 2.3	.002 .006 .004 .001
338.8	346.0	TUFFACEOUS SEDIMENT, IRON FORMATION Green to dark green, finely laminated; strongly magnetic W/ 25% magnetite plus up to 15% diss. py Some carbonatization, chloritization Strongly carbonatized from 344.0 w/ 15-20% finely diss. py 341.3 - 343.4 Quartz flooding and veining w/ diss. py; may be altered talc-chlorite schist Upper and lower contacts at 60 deg. TCA, conformable with schistosity/foliation Upper and lower contacts at 60 deg. TCA, conformable with schistosity/foliation	10771 10772 10773	338.8 340.8 343.4	340.8 343.4 346.0	2.0 2.6 2.6	TR .003 .078

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
346.0	359.5	TALC-CHLORITE SCHIST Similar to 325.8 - 338.8 Schistosity at 35 - 40 deg. TCA 346.0 - 351.5 Numerous carbonate/ank veinlets w/ diss py 351.5 - 353.0 Quartz flooding/ vein zone and pyritic siliceous sed? 359.0 Qv	10774	346.0	348.5	2.5	.002
			10775	348.5	351.0	2.5	.001
			10776	351.0	353.5	2.5	.014
			10777	358.5	359.5	1.0	TR
359.5	362.4	MAFIC VOLCANIC, POSSIBLY SEDIMENT Fine to medium grained Well foliated at 65 - 70 deg. TCA Upper and lower contacts at 40 deg. TCA Strongly carbonatized w/ up to 5% diss. blebs, py Fragmental to base	10778	359.5	362.4	2.9	.022
362.4	365.6	TALC CHLORITE SCHIST Similar to 346.0 - 359.5	10779	362.4	364.4	2.0	.005
365.6	367.1	MAFIC VOLCANIC Similar to 359.5 - 362.4 w/ less py, carbonate alteration					
367.1	395.0	TALC-CHLORITE SCHIST Similar to 325.8 - 338.8, however not as talcose Considerable carb/ank veining/stringers over first 3 ft. and are deformed and brecciated; attitudes range 40 deg. TCA (parallel schistosity) to parallel TCA, negligible sulphides 374.6 - 375.2 378.5 - 378.7 Some thin sed. bands					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
367.1	395.0	TALC-CHLORITE SCHIST (Cont'd)					
		383.4 - 383.6 Quartz/albite vein w/ irregular contacts					
		From 392.4 Unit becomes more massive					
		Over last foot, silicified and quartz veining, flooding	10780	393.0	395.0	2.0	.002
395.0	399.2	INTERMEDIATE-FELSIC FELDSPAR PORPHYRY	10781	395.0	397.0	2.0	.001
		Pale pinkish grey to brownish grey	10782	397.0	399.2	2.2	NIL
		Relatively massive					
		Up to 5% py diss. blebs					
		To base, sericitic rock fragment inclusions					
		Upper contact 80 deg. TCA					
		Lower contact 70 deg. TCA					
399.2	403.0	CHLORITIC TUFF AND MAGNETITE IRON FORMATION	10783	399.2	401.7	2.5	NIL
		Fine grained, dark green to green and brownish green	10784	401.7	404.2	2.5	NIL
		Extremely magnetic					
		Poorly preserved lamination					
		Foliation +/- schistosity at 80 deg. TCA					
		Up to 5% diss. py					
403.0	409.0	TALC-CHLORITE SCHIST	10785	404.2	409.0	4.8	NIL
		Dark green to greyish green					
		With 5% fragments of carb-ank-albite vein material					
		Upper and lower contacts at 20 deg. TCA					
		In part, may be sediment					
409.0	418.5	TUFFACEOUS SEDIMENT, IRON FORMATION	10786	409.0	411.5	2.5	TR
		Similar to 349.2 - 403.0; not as chlorite	10787	411.5	414.0	2.5	NIL
		Talc-chlorite schist bands at 409.4 - 410.2,	10788	414.0	416.8	2.8	TR
		414.3 - 416.8	10789	416.8	418.5	1.7	NIL
		Some carbonate alteration, scattered py cubes					
		10% over last 2 feet					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
418.5	432.0	TALC-CHLORITE SCHIST Similar to 346.0 - 359.5 w/ thin bands of sediment as 409.0 - 418.5	10790	418.5	420.5	2.0	NIL
			10791	420.5	425.0	4.5	TR
			10792	425.0	430.0	5.0	NIL
			10793	430.0	432.0	2.0	.001
432.0	435.20	QUARTZ VEIN/FLOOD ZONE IN SILICIFIED VOLCANIC Whitish grey to dark grey Upper and lower contact at 90 deg. TCA Up to 5% py strings and diss in siliceous host rock, some py grains in quartz Entire texture of zone is ribbon vein Significant bull quartz veining at 431.6 - 432.5, 432.8 - 433.3; latter vein - VG in chloritic contact zone at 433.3 w/ siliceous host volcanic	10794	432.0	433.5	1.5	.035
			10795	433.5	435.2	1.7	.014
435.2	435.9	TALC-CHLORITE SCHIST With 20% veins and vein fragments quartz-albite +/- ankerite; 1-3% diss. py in schist only					
435.9	442.0	QUARTZ VEINED AND SILICIFIED FELDSPAR PORPHYRY Light brownish grey to light grey and whitish grey w/ up to 10% stringers and diss. py; frequently associated with chloritic (volcanic) inclusions Some carb, chlorite filled fractures and foliation at 70 deg. TCA	10796	435.2	438.2	3.0	.021
			10797	438.2	439.7	1.5	.100
			10798	439.7	442.0	2.3	.050
		437.6 A splash of cp in carb/ank					
		437.6 - 438.2 Thin bands of iron formation with 5-10% py; contact at 60 deg. TCA w/ porphyry					
		438.2 - 440.5 Massive feldspar porphyry w/ small grain VG at 438.5					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
442.0	462.0	QUARTZ VEIN/BRECCIA AND SILICA FLOOD ZONE Consists mainly (85%) of quartz veining and silicified brecciated feldspar porphyry and (mafic?) volcanic					
		442.9 - 443.6 Talc-chlorite schist with schistosity at 60 deg. TCA	10799 10800	442.0 444.0	444.0 445.5	2.0 1.5	.040 .008
		442.0 - 443.5 Quartz vein w/ a band of pyritic volcanic, chlorite inclusions (2%) and porphyry fragments (5%) Upper contact 40 deg. TCA Foliation of fragments at 50 deg. TCA; some parallel fractures in quartz and crosscutting 30 deg. TCA fractures					
		443.5 - 444.0 Quartz veined and pyritic (10% stringers and blebs), talc schist and sediment Lower contact 90 deg. TCA					
		444.0 - 445.5 Zone of intensely silicified banded (?) porphyry, volcanic; pale grey to pale brownish grey, grey green Earlier brecciation evident Well foliated at 60 deg. TCA w/ a few narrow parallel quartz veins 5-10% diss. py; mainly fine A few pyrite chlorite stringers Upper contact 90 deg. TCA					
		445.5 - 446.5 Ribbon quartz vein zone w/ large silicified, grey porphyry fragments, sections Some albite in vein material Vein boundaries avg 70 deg. TCA, parallel foliation No sulphides in veins	10801 10802	445.5 446.9	446.9 448.7	1.4 1.8	.013 .027

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
442.0	462.0	QUARTZ VEIN/BRECCIA AND SILICA FLOOD ZONE (Cont'd)					
		446.5 - 446.9 Pyritic talc-chlorite schist; Schistosity at 70 deg. TCA					
		446.9 - 447.3 Ribbon qv zone as at 445.5 - 446.5					
		447.3 - 448.7 Quartz vein w/ some porphyry fragments 3-5% py in fragments Weak foliation, fractures at 70 deg. TCA; fractures also at 30 deg. TCA and parallel TCA Upper and lower contacts at 40 deg. TCA	10803 10804	448.7 450.2	450.2 452.3	1.5 2.1	.018 .071
		448.7 - 452.3 Zone of intensely silicified porphyry volcanic as at 444.4 - 445.5 Several discrete quartz +/- albite veins, notably 451.4 - 451.7 w/ several py grains included Contacts at 80 deg. TCA					
		450.3 - 451.0 Brecciated and re-silicified					
		452.3 - 453.2 Talc-chlorite schist w/ schistosity at 70 deg. TCA Upper contact 90 deg. TCA Lower contact 70 deg. TCA	10805 10806	452.3 453.2	453.2 455.7	0.9 2.5	.015 .031
		453.2 - 462.0 Zone of intensely silicified porphyry +/- volcanic as at 444.4 - 445.5	10807 10808 10809	455.7 457.7 459.7	457.7 459.7 462.0	2.0 2.0 2.3	.058 .025 .046
		Several discrete quartz veins, notably at 455.0 - 455.7 (contacts 80 deg. TCA), 452.5 - 458.0 (contacts 70 deg. TCA)					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
462.0	465.8	TALC-CHLORITE SCHIST, FAULT ZONE Schistosity at 90 deg. TCA; phyllitic at 462.3 - 463.0 463.0 - 463.8 Fault breccia w/ schistosity at 30 deg. TCA 464.0 An ankerite/carb vein w/ contacts at 30 deg. TCA	10810	462.0	465.8	3.8	.010
465.8	469.3	QUARTZ VEINED AND BRECCIATED FELDSPAR PORPHYRY Similar to 448.7 - 452.3, but pale brownish silicified host rock more obviously feldspar porphyry 20% quartz flooding with several distinct irregular quartz veins Up to 5% diss. py Upper and lower contacts at 80 deg. TCA 466.8 - 467.1 A chloritic shear at 40 deg. TCA	10811 10812	465.8 467.8	467.8 469.3	2.0 1.5	.103 .037
469.3	487.0	TALC-CHLORITE SCHIST (SEDIMENT?) Fine grained, greyish green to bluish green Considerable carbonate veining, veinlets deformed into laminae to irregular fragments W/ up to 1-5% py cubes, diss.; moderately to strongly magnetic Some thin massive beds of volcanic and sediment Schistosity avg 35 deg. TCA 472.0 A porphyry fragment(?) 477.5 - 477.7 Feldspar porphyry dyke at 30 to 0 deg. TCA; irregular 483.0 - 484.0 Schistosity at 0 deg. TCA Oblique shear?	10813 10814 10815 10816 10817 10818 10819	469.3 472.0 474.5 476.5 478.5 482.0 484.5	472.0 474.5 476.5 478.5 482.0 484.5 487.0	2.7 2.5 2.0 2.0 3.5 2.5 2.5	.015 .005 .002 .001 TR TR .002

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
487.0	489.0	LAMINATED IRON FORMATION Strongly magnetic Laminations 90 deg. TCA to 587.9, then folded and disrupted 1-2% py blebs, diss.	10820	487.0	489.0	2.0	.002
489.0	491.3	TALC-CHLORITE SCHIST Similar to 469.3 - 487.0	10821	489.0	491.3	2.3	TR
491.3	492.4	QUARTZ-ALBITE BRECCIA ZONE W/ VOLCANIC FRAGMENTS White to grey and light grey w/ 20-25% stringers, blebs, diss. py in mainly volcanic fragments Fragments of 0.2" to 2" long and show of foliation at 70-80 deg. TCA Upper and lower contacts at 80 deg. TCA	10822	491.3	492.4	1.1	.018
492.4	529.5	TALC-CHLORITE SCHIST Similar to 469.3 - 487.0 Schistosity avgs 70 deg. TCA	10823	492.4	494.9	2.5	NIL
		514.0 - 514.6 Fault gouge					
		515.0 - 517.0 Schistosity at 30 - 0 deg. TCA					
		517.0 - 518.8 Massive volcanic					
		519.5 - 529.5 Extremely brecciated with 20% white irregular carb-albite vein fragments Foliated at 0 deg. TCA Fault zone?					
529.5	531.5	MAFIC-ULTRAMAFIC VOLCANIC Fine grained, green to grey green and massive					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
531.5	581.5	TALC-CHLORITE SCHIST Similar to 469.3 - 487.0 Several thin harder mafic volcanic (?) sections 536.7 - 544.5 Extremely friable phyllitic and brecciated; schistosity at 30 - 0 deg. TCA, fault zone Sparse sulphides					
581.5	585.4	SHEARED MAFIC VOLCANIC Fine grained, dark green, variably carbonatized Shear foliation at 80 deg. TCA Up to 5% diss. cubes py Some altered pillow selvages Strongly magnetic	10824	581.5	585.4	3.9	NIL
585.4	607.0	MAFIC VOLCANIC Dark green to dark grey green, aphanitic to fine grained 585.4 - 591.0 Silicified with 5% carb-py fractures at 30 deg., 60 deg., 15 deg. TCA 5-10% diss. py	10825 10826	585.4 588.4	588.4 591.4	3.0 3.0	NIL NIL
607.0	625.3	DIORITE, GABBRO Green, medium to coarse grained Massive					
625.3	640.0	MAFIC VOLCANIC Sheared, green to grey green, fine grained Schistosity/foliation at 60 - 80 deg. TCA Some carbonatization In part may be ultramafic					
	640.0	END OF HOLE					

RELOGGING OF SIGNIFICANT INTERSECTIONS - JANUARY 90
N.O. WILLOUGHBY

HOLE # FX-8965

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
338.8	346.0	LAMINATED SEDIMENT, IRON FORMATION In part, strongly sheared mafic tuff, volcanic					
		10773 - Veined/flooded and silicified esp. at 343.7 - 344.7 with 3-10% py diss., some bands, esp. first 6" A carb-ank-tourm. vein at 344.8; irregular and deformed Minor py over remainder of section	10773	343.4	346.0	2.6	.078
432.0	435.2	QUARTZ VEINED/FLOODED ZONE IN SILICIFIED VOLCANIC					
		10794 - Ribbon-like qtz +/- albite veins parallel foliation with irregular silicified sliver-like host fragments Considerable fracturing crosscutting at 65 deg. TCA; with occassional tourmaline Blue grey to greenish Up to 3-5% scattered diss., masses py; some narrow massive py bands, eg. 432.7 Approx. 3% of section are bands, stringers	10794	432.0	433.5	1.5	.035
435.9	442.0	VEINED AND SILICIFIED FELDSPAR PORPHYRY					
		10797 - Pale brownish green/yellow with 5% late quartz veins at 20 deg. TCA carrying some py Overall 5-10% finely diss. py Hematitized at base, some blebs Subsequent samples to 462.0 similar to 10797 mainly; perhaps lesser py	10797	438.2	439.7	1.5	.100
465.8	469.3	VEINED AND BRECCIATED FELDSPAR PORPHYRY					
		10811 - Similar to above, but up to 20% quartz flooding	10811	465.8	467.8	2.0	.103
		10812 - As above, with some tourmaline	10812	467.8	469.3	1.5	.037

MINROC MANAGEMENT LIMITED

DRILL LOG - FOURAX II PROPERTY

HOLE NO.: FX-8966	TOWNSHIP: FOURNIERE, QUE.	CORE SIZE: BQ
COORDINATES: L5+50E 5+75N	RANGE: X	DRILLED BY: FORAGE MODERNE INC.
COLLAR ANGLE: -50 DEG.	LOT NO.:	DATE STARTED: 14/11/89
LOCATED FROM: BL	CLAIM NO.: 335178-4	DATE COMPLETED: 16/11/89
AZIMUTH: 205 DEG.		LOGGED BY: N.O. WILLOUGHBY
LENGTH: 660 FT.		PAGE: 1 OF 10

DEPTH	AZIMUTH	ANGLE READ	ANGLE ACTUAL
200 FT.	205		-50 DEG.
400 FT.	205		-47 DEG.
600 FT.	205		-47 DEG.

REMARKS:

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
0.0	85.0	OVERBURDEN						
85.0	226.0	MAFIC VOLCANIC	10827	197.0	199.5	2.5	NIL	
		Green to grey green	10828	199.5	202.5	3.0	NIL	
		Aphanitic to fine grained	10829	202.5	205.5	3.0	NIL	
		Generally massive						
		Some fracturing at 45 deg. TCA						
		Scattered pillow selvages						
		Some carb and silicified sections						
		Scattered saussurite alteration						
		Sulfides in vicinity of pillow selvages						
		More fractured, carb +/- py veined to base						
		197.0 - 202.5 Sheared at 10 deg. TCA with carb alteration +/- qv, 1-2% py cubes Some fragments and may be pillow breccia						
226.0	240.5	SHEARED MAFIC VOLCANIC, DIORITE	10830	226.0	228.5	2.5	NIL	
			10831	228.5	231.0	2.5	NIL	
		226.0 - 229.0 Intensely sheared volcanic/diorite w/ associated carb alte., numerous amphibole needles scattered py., epidote schistosity at 50 deg. TCA	10832	231.0	233.5	2.5	.002	
			10833	233.5	236.0	2.5	NIL	
			10834	236.0	238.5	2.5	NIL	
			10835	238.5	240.5	2.0	NIL	
		237.0 Pillow selvedge						
		From 229.0 Mafic volcanic w/ similar features to 226.0 - 229.0						
240.5	246.0	MAFIC VOLCANIC						
		Dark green, aphanitic w/ scattered epidote + carb veinlets mainly at 50 deg. TCA, but generally random						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
246.0	269.2	VARIABLY ALTERED, SHEARED MAFIC VOLCANIC Similar to previous volcanic sections with more intense carb, epidote alteration, fracturing and shearing Considerable broken core Sparse sulphides Shearing at 50 - 60 deg. TCA	10836	266.7	269.2	2.5	.001	
		257.0 - 258.0 Vuggy section Fractures generally parallel shearing, but a few at 15 - 30 deg. TCA 253.7 - 254.0 Talcose section						
269.2	277.5	MAGNETITE IRON FORMATION Intensely sheared, possibly magnetic diorite, however some laminations evident Dark green to green, fine grained Numerous streaks of carb Up to 5% diss. py locally Occassional narrow sericite shears, most notably at 272.0 - 273.0 at 50 deg. TCA Schistosity throughout, avg. 50 deg. TCA	10837 10838 10839 10840	269.2 271.7 273.4 275.0	271.7 273.4 275.0 277.5	2.5 1.7 1.6 2.5	.002 NIL NIL NIL	
277.5	279.2	INTERMEDIATE FELDSPAR PORPHYRY Grey to light grey; quartz veined and flooded w/ 1-2% diss. py Well foliated at 50 deg. TCA Carb, feldspar phenos, occassional quartz phenos Qv at 277.8, 278.7, 278.9, 279.0, foliation parallel A sericite shear at base Upper and lower contacts 70 deg. TCA	10841	277.5	280.0	2.5	NIL	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
279.2	298.6	INTERBEDDED MAGNETITE IRON FORMATION, SERICITE SCHIST Green to dark greyish green Fine grained, well laminated w/ disruption and folding mainly of sericite schist Sericite schist contains some carbonate +/- chlorite laminae; may in part be talcose Schistosity avgs 70 - 80 deg. TCA						
			10842	280.0	283.5	3.5	NIL	
		* I didn't distinguish this sericite schist in holes 63, 65, ie some of talc-chlorite schist may be sericitic sediment	10843	283.5	285.0	1.5	NIL	
			10844	285.0	287.6	2.6	NIL	
		279.2 - 283.5 Carbonatized IF or volcanic (poorly laminated) Extremely magnetic Sparse sulphides						
		283.5 - 287.6 Quartz veined zone in IF as at 277.5 - 283.5 and first 1.5 ft. is ribbon vein and bull quartz; Minor py, but host contains up to 10% py masses, diss. Veining at 90 deg. TCA						
		287.6 - 291.2 Sericite-chlorite schist; albite-qv at 80 deg. TCA	10845	287.6	290.1	2.5	.004	
			10846	290.1	292.1	2.0	.002	
			10847	292.1	295.0	2.9	.001	
		291.2 - 291.7 Iron formation	10848	295.0	298.4	3.4	.004	
		291.7 - 295.0 Sericite schist						
		295.0 - 295.6 Iron formation						
		295.6 - 298.4 Sericite-chlorite schist						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
298.4	307.5	QUARTZ-ANKERITE VEIN AND ALTERATION ZONE	10848A	298.4	300.4	2.0	NIL	
		298.4 - 299.7 Grey silicified, ankerite veined and brecciated sericite schist w/ 15 - 20% diss. py Numerous fragmented ankerite vein material and as irregular fragments; schistosity at 50 - 80 deg. TCA Interval begins w/ 1.5" qv at 50 deg. TCA						
		299.7 - 300.4 Sheared carb mafic volcanic w/ 3% py Upper contact at 45 deg. TCA						
		300.4 - 303.6 Quartz-ankerite-fuschite vein and breccia zone; 5% patches, stringers of fuchsite Irregular contacts Mainly ankerite over first 1.5 ft. Grey-blue quartz apparently filled in later At 302.2 - splashes of cp, gn Several sediment inclusions w/ 30% py; especially to end of interval	10849	300.4	303.6	3.2	.038	TR
		303.6 - 304.3 Sericite schist as at 298.4 - 299.7	10850	303.6	305.7	2.1	.022	
		304.3 - 305.0 Quartz-ankerite vein at 75 deg. TCA; No sulfide						
		305.0 - 305.7 Altered, sheared volcanic or sericite sed. w/ 20% masses, diss. py						
		305.7 - 306.6 Quartz +/- ankerite vein w/ irregular contacts; numerous pyritic sediment inclusions	10851	305.7	307.5	1.8	.051*	NIL

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
298.4	307.5	QUARTZ-ANKERITE VEIN AND ALTERATION ZONE (Cont'd)						
		306.6 - 307.5 Intensely silicified volcanic or porphyry w/ up to 10% diss streaks of py, minor cp Contains some ankerite and qv Interval ends at a qv (2") at 70 deg. TCA						
307.5	309.1	ALTERED MAFIC VOLCANIC Dark green, fine grained to aphanitic Silicified w/ up to 3% diss. py Some irregular carbonate patches and veinlets	10852	307.5	309.1	1.6	.046	.100*
309.1	327.0	SERICITE-CHLORITE SCHIST/SEDIMENT Similar to 277.5 - 298.4 Not quite as sericitic - may be volcanic	10853	309.1	311.6	2.5	.006	
		309.1 - 315.2 Carbonate-ankerite-silica veined, brecciated and mylonitized sericite schist Local sulphide concentrations to 10% Schistosity at 45 - 60 deg. TCA Numerous irregular but foliated carbonate fragments Notable quartz-ankerite flooding and ribbon veining at 313.0 - 313.5	10854 10855	311.6 313.6	313.6 315.0	2.0 1.4	.011 .007	
		315.2 - 318.2 Magnetite iron formation; foliation at 50 deg. TCA Finely laminated w/ carb laminae; 1-2% py diss.	10856	315.0	318.0	3.0	.002	
		318.2 - 324.3 Sericite-chlorite schist w/ 15% carb/ ankerite veining, fragments as at 309.1 - 315.2 Contains 2-3% diss. py Schistosity at 40 deg. TCA Talcose in part	10857 10858	318.0 320.5	320.5 323.0	2.5 2.5	.009 .004	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
309.1	327.0	SERICITE-CHLORITE SCHIST/SEDIMENT (Cont'd)						
			10859	323.0	325.5	2.5	.011	
		324.3 - 327.0 Iron formation	10860	325.5	327.5	2.0	.006	
327.0	339.2	MAFIC-ULTRAMAFIC VOLCANIC Fine grained, green to grey green Schistose in part at 50 deg. TCA Chloritic and sericitic In part talcose Slightly more massive than previous unit Sparse py	10861	337.2	339.2	2.0	TR	
339.2	339.8	ALTERED MAFIC VOLCANIC Intensely silicified w/ 20% diss. bands of py Foliation strong at 70 deg. TCA Upper and lower contacts 70 deg. TCA	10862	339.2	340.7	1.5	.039	
339.8	363.0	FELDSPAR PORPHYRY	10863	340.7	342.7	2.0	.016	
		Mainly light grey to brownish grey feldspar	10864	342.7	344.0	1.3	.026	TR
		porphyry w/ numerous silicified sericite-chlorite rock	10865	344.0	346.5	2.5	.041	NIL
		(sediment?) sections which are grey green	10866	346.5	349.0	2.5	.021	
		Also some silica flooding and quartz veins parallel	10867	349.0	351.5	2.5	.011	
		to foliation	10868	351.5	354.0	2.5	.007	
		Well foliated at 70 deg. TCA	10869	354.0	356.5	2.5	.014	
		5-10% py diss., blebs throughout	10870	356.5	359.0	2.5	.009	
		A concentration of veins from 350.0 - 356.0	10871	359.0	361.0	2.0	.011	
		More potassic-rich from 360.0	10872	361.0	363.0	2.0	.009	
363.0	394.0	SERICITE-CHLORITE SCHIST Similar to 279.2 - 298.4 Somewhat talcose in places Variable schistosity attitudes w/ low TCA at 366.0 - 364.0, 375.5 - 376.5, 383.0 - 385.0 - suggests cross shearing						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
363.0	394.0	SERICITE-CHLORITE SCHIST (Cont'd)	10873	363.0	365.5	2.5	.002	
		Upper contact brecciated	10874	365.5	368.0	2.5	TR	
		Iron formation at 366.7 - 367.3 (Banding at 10 deg. TCA)						
		380.7 - 381.2 (Banding at 70 deg. TCA)						
		Sparse sulphides						
394.0	426.0	MAFIC-ULTRAMAFIC VOLCANIC						
		Green to greyish green						
		Fine grained - aphanitic						
		Numerous scattered carbonate-ankerite veinlets and fragments						
		Strongly schistose mainly sericitic and chloritic						
		Some narrow talcose rich sections						
		Schistosity avgs 60-80 deg. TCA;						
		To 412, schistosity 90 deg. TCA						
		Talc-schist at 394.0 - 395.0, 404.0 - 402.5						
		410.0 - 411.2 Sediment, iron formation w/ foliation at 90 deg. TCA; vuggy and with 1-2% diss. py	10875	410.0	412.0	2.0	NIL	
		411.2 - 419.2 Pyritic section w/ two narrow qv at	10876	412.0	414.5	2.5	NIL	
		414.0 - 414.1 (90 deg. TCA) and	10877	414.5	416.5	2.0	NIL	
		415.4 - 415.7 (70 deg. TCA)						
		Talcose to base						
426.0	453.0	TALC-CHLORITE SCHIST	10878	442.0	444.0	2.0	NIL	
		Fine grained, blue grey	10879	444.0	446.5	2.5	TR	
		Numerous irregular fragments and veins of carb, ankerite	10880	446.5	449.0	2.5	NIL	
		Schistosity at 70 deg. TCA						
		442.0 - 448.0 w/ 1-3% diss. py cubes						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
453.0	486.0	MAFIC-ULTRAMAFIC VOLCANIC Similar to 394.0 - 426.0 and becoming much more massive to base Well developed schistosity to 467.5 at 70 deg. TCA avg.						
		457.5 - 458.6 Shear foliation at 15 deg. TCA, w/ 5% diss. py	10881	457.5	458.6	1.1	NIL	
			10882	458.6	460.0	1.4	NIL	
			10883	460.0	462.5	2.5	NIL	
		458.6 - 460.0 Feldspar porphyry w/ contacts 90 deg. TCA, 5-10% py diss, blebs, tr. cp	10884	462.5	465.3	2.8	NIL	
		460.0 - 465.3 Intensely sheared at 25 deg. TCA w/ 1-5% diss. py						
486.0	551.7	MAFIC VOLCANIC Fine grained w/ 25-30% carb patches, veinlets Some weak schistosity at 40-60 deg. TCA A few scattered large py cubes Variably carbonatized	10885	548.5	551.0	2.5	NIL	
551.7	560.0	ALTERED MAFIC VOLCANIC Green to grey green Sericitized, carbonatized w/ a few carb-ankerite sections containing diss. py Schistosity moderate at 50 deg. TCA Generally fine grained diorite to base Some scattered biotite Some feldspar phenocrysts Strongly magnetic	10886	551.0	553.0	2.0	NIL	
			10887	553.0	555.5	2.5	NIL	
			10888	555.5	558.0	2.5	NIL	
			10889	558.0	560.5	2.5	NIL	
560.0	562.2	DIORITE Green, medium grained Shear foliated at 70 deg. TCA Scattered py, up to 3% Strongly magnetic	10890	560.5	563.0	2.5	NIL	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
562.2	571.0	MAFIC VOLCANIC Similar to 486.0 - 551.7						
571.0	597.2	ULTRAMAFIC VOLCANIC, TALC-CHLORITE SCHIST Similar to 476.0 - 486.0 Foliation/schistosity at 70 deg. TCA Upper contact gradational						
597.2	647.0	SHEARED MAFIC VOLCANIC Green to dark green Fine grained Variably sheared and carbonatized Similar to 486.0 - 551.7 Sparse sulphides 620.0 - 631.0 Ultramafic volcanic Schistoisty w/ variable attitudes						
647.0	660.0	MAFIC VOLCANIC Dark green to green Fine grained, massive Some pillow selvedges; scattered carbonatization						
	660.0	END OF HOLE						

MINROC MANAGEMENT LIMITED

DRILL LOG - FOURAX II PROPERTY

HOLE NO.: FX-8967 | TOWNSHIP: FOURNIERE, QUE. | CORE SIZE: BQ

COORDINATES: L6+50E, 4+77N | RANGE: X | DRILLED BY: FORAGE MODERNE INC.

COLLAR ANGLE: -50 DEG. | LOT NO.: | DATE STARTED: 16/11/89

LOCATED FROM: BL | CLAIM NO.: 335178-4 | DATE COMPLETED: 17/11/89

AZIMUTH: 205 DEG. | LOGGED BY: L. MELCHIORRE

LENGTH: 577 FT. | PAGE: 1 OF 11

DEPTH	AZIMUTH	ANGLE READ	ANGLE ACTUAL
85 FT.	205		-50 DEG.
200 FT.	205		-50 DEG.
400 FT.	205		-45 DEG.
577 FT.	205		-45 DEG.

REMARKS:

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
0.0	85.0	OVERBURDEN						
85.0	108.0	MAFIC VOLCANIC Medium green Fine grained, hard Very moderately foliated @ 50 deg. TCA Remnant pillow selvages Small amount of quartz, epidote, ankerite, amphibole, and pyrite veinlets - attitudes range from parallel to perpendicular TCA 1% disseminated pyrite cubes - concentrated locally						
108.0	112.1	CHLORITE-SERICITE TO CHLORITE-TALC ALTERED VOLCANIC (SEDIMENT?) Upper contact blocky Fine grained, soft Medium green (sericitic) to bluish grey (talcose) Moderate foliation 50 deg. TCA. Breaks into 4" sections Appears laminated in places Moderately magnetic throughout No visible mineralization Lower contact sharp 60 deg. TCA						
112.1	130.5	BANDED IRON FORMATION Black Aphanitic, hard Moderate foliation 50 - 60 deg. TCA Cleaves parallel to foliation and parallel TCA Quartz and calcite veinlets 50 - 60 deg. TCA rarely perpendicular to foliation Magnetite rich and poor beds Trace pyrite locally 111.5 - 113.5 Broken up - faulted						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
112.1	130.5	BANDED IRON FORMATION (Cont'd) 118.0 - 118.5 Coarse amphibole needles - non-magnetic 126.0 - 127.3 Coarse acicular amphibole Moderately magnetic Vuggy Broken up, faulted (?)						
130.5	132.1	IRON FORMATION Massive, hard Strongly magnetic Fine grained Trace pyrite locally Upper contact 70 deg. TCA - not very distinct Lower contact gradational						
132.1	156.5	MAFIC VOLCANIC Dark-medium green Fine grained, hard Moderately foliated Abundant epidote and calcite veinlets at 50 deg. TCA Hematite staining in some fractures 1% pyrite disseminated, concentrated locally 142.0 - 143.0 Strong calcite and epidote alteration in chaotic veinlets						
156.5	160.0	LAMINATED SEDIMENTS Upper contact sheared - 60 deg. TCA Laminae distorted disrupted, folded in places - general direction of laminae - 90 deg. TCA Rock is soft, light-medium green Breaks @ 90 - 60 deg. TCA Calcite veining 50 deg. TCA Moderately magnetic chlorite-sericite altered Lower contact diffuse; 60 deg. TCA						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
160.0	177.0	IRON FORMATION Black Fine grained, hard Moderately foliated 50 deg. TCA Calcite, quartz veinlets 50 deg. TCA 2-3% disseminated pyrite Strongly magnetic Intercalated soft, moderately magnetic laminated medium green sediments (1" to 1') Contacts 50 deg. TCA - sharp 170.3 Prominent contact between laminated sediment and iron formation	10983	173.4	177.0	3.6	.001	
177.0	181.0	LAMINATED SEDIMENTS Talc-chlorite altered - soft Bluish greenish Moderately magnetic Moderate folation 50 deg. TCA						
181.0	182.7	SILICIFIED FELDSPAR PORPHYRY Upper contact abrupt, Rather jagged 50 deg. TCA Medium grey with red (hematite) alteration Quartz veins 70 deg. TCA 5% pyrite blebs	10984	181.1	182.7	1.6	.004	
182.7	189.0	SEDIMENTS - SCHISTOSE Calcite veinlets 80 - 50 deg. TCA Talc-chlorite altered, moderately magnetic Upper contact sheared @ 90 deg. TCA 182.7 - 183.5 Sheared, cleaved 80 deg. TCA 185.5 - 187.0 Very broken up						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
189.0	190.4	IRON FORMATION Similar to one @ 160.0 - 177.0 Upper contact sharp - 60 deg. TCA Epidote, carb veinlets follow contact Quartz veins + ankerite veins 60 deg. TCA Strongly magnetic 2-3% disseminated pyrite	10985	189.0	190.4	1.4	NIL	
190.4	197.0	LAMINATED SEDIMENTS Silicified and non-silicified sections						
		190.4 - 193.6 Silicified Quartz and ankerite veins and veinlets follow strong foliation 50 deg. TCA 5-10% fine pyrite in wall rock Moderately magnetic Faults with offset parallel to core axis	10986 10987	190.4 192.0	192.0 193.6	1.6 1.6	.020 .020	NIL .060*
		193.6 - 196.2 Non-silicified Soft Broken up, sheared 50 deg. TCA Moderately magnetic 2-5% disseminated pyrite Lower contact broken up Upper contact 50 deg. TCA	10988	193.6	196.2	2.6	.003	
		196.2 - 197.0 Silicified 5-10% fine pyrite Sheared 50 deg. TCA Strongly magnetic	10989	196.2	197.0	0.8	]	TR

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
197.0	205.5	TALC-CHLORITE SCHIST OR SEDIMENTS Foliation 40 deg. TCA Ankerite veinlets follow foliation Soft Trace disseminated pyrite Moderately magnetic Some sections injected with much quartz and albite 40 deg. TCA						
		197.0 - 202.6 Lesser quartz injection	10990	197.0	199.9	2.9	.001	
			10991	199.9	202.6	2.7	.002	
		202.6 - 205.5 40-50% quartz injection	10992	202.6	205.5	2.9	NIL	
205.5	208.1	SILICIFIED PYRITIFEROUS ZONE Upper contact 40 deg. TCA, clearly visible Dark grey Strong foliation 40 deg. TCA White quartz veins 40 - 70 deg. TCA 15-20% fine disseminated pyrite Non magnetic	10993	205.5	208.1	2.6	.053*	NIL
208.1	210.0	SHEARED CHLORITIC ZONE Upper contact well defined 50 deg. TCA Shearing 40 deg. TCA Quartz + albite veins follow foliation, and some are squiggly + irregular Trace pyrite Moderately magnetic	10994	208.1	210.0	1.9	.001	
210.0	211.3	TALC-CHLORITE-SERICITE SCHIST Foliated 50 deg. TCA Quartz and albite veinlets follow foliation Trace disseminate pyrite Moderately magnetic Upper and lower contacts 50 deg. TCA	10995	210.0	211.3	1.3	NIL	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
211.3	213.6	SILICIFIED PYRITIFEROUS ZONE Similar to 205.5 - 208.1, but strongly magnetic Some low angle veinlets of quartz with pyrite Lower contact 70 deg. TCA	10996	211.3	213.2	1.9	.090*	.020
213.6	214.0	SHEARED CHLORITIC ZONE Similar to 208.1 - 210.0	10997	213.2	214.0	0.8	.286*	NIL
214.0	215.0	SHEARED SILICIFIED FELDSPAR PORPHYRY Pinkish Fractured @ 20 deg. TCA, 40 deg. TCA 5% disseminated pyrite, concentrated in some zones Some amphibole veining 40 deg. TCA	10998	214.0	215.0	1.0	.017	
215.0	229.8	TALC-CHLORITE-SERICITE SCHIST WITH INTERCALATED SILICIFIED ZONES						
		215.0 - 215.6 Silicified Foliated Magnetic	10999	215.0	217.3	2.3	.002	
		215.6 - 220.7 Highly sheared, mylonitic Soft Quartz, albite veinlets broken up Part of it ground up, faulted Moderately magnetic						
		220.7 - 221.0 Silicified Sharp upper and lower contact - 40 deg. TCA						
		221.0 - 223.0 Same as 215.6 - 220.7						
		223.0 - 223.2 Same as 215.0 - 215.6 Trace pyrite						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
215.0	229.8	TALC-CHLORITE-SERICITE SCHIST WITH INTERCALATED SILICIFIED ZONES (Cont'd)						
		223.2 - 224.1 Same as 215.6 - 220.7						
		224.1 - 224.3 Same as 215.0 - 215.6 but 5-10% pyrite						
		224.3 - 227.3 Same as 215.6 - 220.7 2% pyrite Less broken up						
		227.3 - 228.0 Similar to 211.3 - 213.6 Strongly magnetic Foliated @ 40 deg. TCA 5% disseminated pyrite	11000	227.3	228.5	1.2	.009	
		228.0 - 228.5 Chlorite-sericite schist Non magnetic						
		228.5 - 229.8 Silicified and pyritiferous Foliated 20 - 30 deg. TCA 10-15% blebs of pyrite Some quartz nodules	11001	228.5	229.8	1.3	.934*	NIL
229.8	260.0	QUARTZ FLOODED PORPHYRY Beige 40-50% white feldspar phenocrysts Quartz filled fractures @ 0 - 50 deg. TCA Associated amphibole veining 5% disseminated pyrite						
		229.8 - 233.8 White quartz veins 40 - 50 deg. TCA in remnant schist Some porphyry fragments Rare pyrite	11002 11003	229.8 231.7	231.7 233.8	1.9 2.1	.031 .070*	 TR

FROM FT.	TO FT.	DESCRIPTION		SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
229.8	260.0	QUARTZ FLOODED PORPHYRY (Cont'd)							
		233.8 - 260.8 Porphyry		11004	233.8	236.2	2.4	.009	
		Upper contact sheared, broken		11005	236.2	238.5	2.3	.022	
		Appears to be 40 deg. TCA		11006	238.5	240.9	2.4	.019	
		Quartz veins - 30 - 40 deg. TCA		11007	240.9	243.3	2.4	.008	
		Some 20 deg. TCA		11008	243.3	246.0	2.7	.003	
				11009	246.0	248.3	2.3	.001	
		* Ground 5 feet	*	11010	248.3	256.0	7.7	.002	
		Sample actually 2 feet		11011	256.0	258.2	2.2	.003	
				11012	258.2	260.0	1.8	TR	
260.0	418.6	TALC-CHLORITE SCHIST							
		Upper contact 20 deg. TCA, sheared							
		Soft							
		Foliated approx. 40 deg. TCA							
		306.0 - 310.0 Foliated @ 10 - 20 deg. TCA							
		Quartz and ankerite veinlets follow foliation							
		Up to 3% pyrite cubes (approx. 1-2 mm)							
		in places							
		Moderately magnetic							
		261.1 - 261.2 Quartz, albite and tourmaline vein		11013	260.0	261.7	1.7	.002	
				11014	261.7	263.3	1.6	.001	
		273.5 - 275.0 Ground to a powder		11015	263.3	265.7	2.4	NIL	
		Fault							
		327.0 - 327.5 Fault gouge							
		411.9 - 418.6 Highly altered, lots of quartz, ankerite		11016	411.9	414.6	2.7	NIL	
		injection, trace disseminated pyrite blebs		11017	414.6	416.7	2.1	NIL	
				11018	416.7	418.6	1.9	NIL	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
418.6	439.0	MAFIC VOLCANIC						
		Black	11019	423.0	425.5	2.5	NIL	
		Medium soft	11020	425.5	427.1	1.6	NIL	
		Long amphibole crystals	11021	427.1	428.9	1.8	.001	
		Trace pyrite, dissem and in qtz and ankerite veins						
		Moderate - strong magnetism						
		Quartz veining parallel and approx. 50 deg. TCA						
		Upper and lower contacts difficult to distinguish						
439.0	557.0	TALC-CHLORITE SCHIST OR ULTRAMAFIC VOLCANIC						
		Contact with upper unit transitional						
		Soft						
		Moderate magnetism						
		Sheared @ 50 deg. TCA						
		Trace pyrite blebs						
		439.0 - 484.0 Brecciated appearance						
		484.0 - 486.1 Massive flow - unsheared						
		White, square crystals of approximately 2 mm. Abundant near upper and lower contacts						
		Contacts - 60 deg. at top, 50 deg. at base, contacts rather diffuse						
		486.1 - 529.7 Brecciated						
		508.0 - 529.7 White quartz and ankerite injection with associated pyrite parallel TCA	11022	508.0	511.8	3.8	NIL	
			11023	511.8	514.4	2.6	TR	
			11024	514.4	516.4	2.0	NIL	
			11025	516.4	519.0	2.6	NIL	
			11026	519.0	521.5	2.5	NIL	
			11027	521.5	524.0	2.5	NIL	
			11028	524.0	526.2	2.2	NIL	
			11029	526.2	528.8	2.6	NIL	
			11030	528.8	529.6	0.8	TR	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
439.0	557.0	TALC-CHLORITE SCHIST OR ULTRAMAFIC VOLCANIC (Cont'd)						
		529.7 - 531.0 Flow - sheared 40 deg. TCA						
		531.0 - 557.0 Brecciated						
557.0	575.0	MAFIC VOLCANIC Medium green Fine grained Moderately magnetic Looks brecciated in places Upper contact diffuse, transitional						
575.0	576.5	FELDSPAR PORPHYRY Coarse grained, pinkish grey 60-70% feldspars at 3-4 mm Tourmaline veinlets 40 - 60 deg. TCA Upper contact sharp, irregular perpendicular TCA Lower contact sharp 30 deg. TCA Trace disseminated pyrite	11031	575.5	576.5	1.0	NIL	
576.5	577.0	MAFIC VOLCANIC						
	577.0	END OF HOLE						

RE-LOGGING OF SIGNIFICANT INTERSECTIONS - JANUARY '90
N.O. WILLOUGHBY

HOLE # FX-8967

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
211.3	213.6	SILICIFIED, PYRITIFEROUS ZONE, IRON FORMATION					
		10996 - With 10% diss., streaks (foliation parallel) of py; also numerous silica/carbonate laminae, bands Chloritic - pyritic over first 2" At 212.1 - a narrow qcv at 80 deg. TCA crosscutting with a large py bleb At 212.3 - 212.4 - narrow qv with a few specks of py, 212.5 - 213.2 - narrow qcv at 0 deg. TCA with some py inclusions	10996	211.3	213.2	1.9	.090
213.6	214.0	SHEARED/MYLONITIZED CHLORITIC SCHIST					
		10997 - First 5" is pyritic iron formation as above with 3 py-bearing qtz veins, one crosscutting at 60 deg. TCA, two, foliation parallel at 80 deg. TCA Remainder is chloritic shear as described in log; a few py cubes	10997	213.2	214.0	0.8	.286
215.0	229.8	SERICITE-CHLORITE +/- TALC SCHIST, SILICIFIED PYRITIC SEDIMENT AND IRON FORMATION					
		11001 - Silicified with 15% quartz +/- carbonate bands, up to 15% py diss., blebs +/- stringers; blebs and stringers show preference for silica bands, veins, particularly at 215.3, 215.7 At 215.0 - 215.3 - pyritic, chloritic section/shear Foliation at 35-45 deg. TCA	11001	228.5	229.8	1.3	.934

MINROC MANAGEMENT LIMITED

DRILL LOG - FOURAX II PROPERTY

HOLE NO.: FX-8968 | TOWNSHIP: FOURNIERE, QUE. | CORE SIZE: BQ

COORDINATES: L4+50E, 4+75N | RANGE: X | DRILLED BY: FORAGE MODERNE INC.

COLLAR ANGLE: -50 DEG. | LOT NO.: | DATE STARTED: 20/11/89

LOCATED FROM: BL | CLAIM NO.: 335178-4 | DATE COMPLETED: 21/11/89

AZIMUTH: 205 DEG. | LOGGED BY: N.O. WILLOUGHBY

LENGTH: 561 FT. | PAGE: 1 OF 6

DEPTH	AZIMUTH	ANGLE READ	ANGLE ACTUAL
200 FT.	205		-45 DEG.
400 FT.	205		-47 DEG.
561 FT.	205		-45 DEG.

REMARKS:

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
0.0	69.0	OVERBURDEN						
69.0	87.0	MAFIC VOLCANIC Green, fine grained, relatively massive Variably carbonatized, epidotized w/ 15-20% carbonate-epidote veinlets, stringers at various orientations Sheared and vuggy to base Somewhat blocky, much core lost in drilling						
87.0	97.3	MAGNETITE IRON FORMATION AND INTERBEDDED LAMINATED SEDIMENTS Green to dark grey green Finely laminated at 70 deg. TCA Variable carbonate alteration patches and laminae 2-5% diss. py; magnetic Sericitic sections in places, particularly upper 65 ft. Some narrow carb-ankerite veins parallel laminations	10891	94.5	97.3	2.8	.006	
97.3	100.7	FELDSPAR PORPHYRY Pink to white; extremely siliceous over first 2 ft. with some sericitic rock fragments Scattered py cubes A pyritic-chloritic fracture at 100.4, 90 deg. TCA Lower contact 75 deg. TCA	10892 10893	97.3 99.3	99.3 100.7	2.0 1.4	NIL NIL	
100.7	141.5	MAGNETITE IRON FORMATION AND LAMINATED SERICITIC SEDIMENT Similar to 87.0 - 97.3 More sericite-chlorite +/- talc schist bands Not as pyritic Considerable ankerite-carbonate and quartz veinlets and patches at 110.0 - 113.0, 126.0 - 128.0, 135.0 - 141.5, usually w/ diss. py Laminations at 70 deg. TCA avg.	10894 10895 10896 10897 10898 10899	100.7 110.0 111.5 126.0 135.0 137.0	101.7 111.5 113.0 128.0 137.0 139.0	1.0 1.5 1.5 2.0 2.0 2.0	NIL .002 .003 .007 .003 NIL	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
			10900	139.0	141.5	2.5	.003	
141.5	157.7	VEINED MAGNETITE IRON FORMATION						
		Considerable carbonate-ankerite +/- fuchsite veining	10901	141.5	143.0	1.5	.004	
		and patchy alteration in iron formation	10902	143.0	145.0	2.0	.006	
		Extensive carb-ank-fuchsite +/- quartz veining,	10903	145.0	147.5	2.5	NIL	
		conformable w/ laminations (70 deg. TCA) at 143.3 -	10904	147.5	150.0	2.5	.013	
		144.7, 153.7 - 155.7, 156.7 - 157.7	10905	150.0	152.0	2.0	.010	
			10906	152.0	153.7	1.7	.010	
		148.0 - 150.0 A pyritic zone - 3%	10907	153.7	155.7	2.0	.020	
			10908	155.7	156.7	1.0	.044	TR
			10909	156.7	157.7	1.0	.008	
157.7	187.7	SERICITE-CHLORITE SCHIST						
		Light grey green to grey green						
		Schistosity at 60 deg. TCA						
		Moderately to strongly magnetic	10910	186.7	187.7	1.0	NIL	
		Some laminated sediments/iron formation interbeds						
		Numerous scattered irregular carbonate-ankerite						
		patches and veins						
		1% py blebs						
187.7	218.9	INTERMEDIATE-FELSIC INTRUSIVE	10911	187.7	189.7	2.0	TR	
		Light grey to pink	10912	189.7	191.7	2.0	.002	
		Medium grained to feldspar porphyritic	10913	191.7	194.5	2.8	NIL	
		Occasional silica-rich sections as at						
		188.6 - 188.8						
		194.5 - 197.0 Porphyry section w/ 7% py	10914	194.5	197.0	2.5	NIL	
			10915	197.0	199.5	2.5	TR	
		Some weak foliation at 60 deg. TCA	10916	199.5	202.0	2.5	NIL	
		Up to 5% finely diss. py	10917	202.0	204.5	2.5	NIL	
		Numerous fractures at 60 deg. TCA (crosscutting	10918	204.5	207.0	2.5	NIL	
		foliation) 30 deg. TCA, sometimes chlorite and py	10919	207.0	209.5	2.5	NIL	
		filled	10920	209.5	212.0	2.5	NIL	
		Upper and lower contacts at 30 deg. TCA	10921	212.0	214.5	2.5	NIL	
			10922	214.5	217.0	2.5	NIL	
			10923	217.0	218.9	1.9	.003	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
218.9	353.0	ULTRAMAFIC-MAFIC VOLCANIC, CHLORITE-SERICITE +/- TALC SCHIST						
		Dark grey green to bluish grey green	10924	218.9	221.4	2.5	TR	
		Moderately to strongly developed schistosity at 60 deg. TCA avg, but highly variable	10925	221.4	223.9	2.5	.001	
		With 20% irregular patches contorted veins of carbonate-ankerite						
		Scattered large py cubes						
		Strongly magnetic; some may be IF						
		218.9 - 221.4 Felsic, porphyry injection approx. 10% bands, dykes w/ 15% diss. py in host rock						
		Siliceous feldspar porphyry sills at 235.0,	12401	237.0	239.0	2.0	NIL	
		239.3 - 239.7, 241.7 - 242.1, 243.0 - 244.0	12402	239.0	241.0	2.0	.007	
			12403	241.0	242.5	1.5	TR	
		256.0 - 266.0 Low angle shears TCA	12404	242.5	244.5	2.0	.001	
			12405	244.5	246.5	2.0	.006	
		258.0 - 259.0 Two narrow porphyry/qtz veins parallel schistosity	12406	257.5	259.5	2.0	.002	
		272.0 - 272.7 Fault gouge						
		285.0 - 295.0 Fragmental appearance w/ 45% randomly oriented subangular carbonate-ankerite patches, fragments						
		294.0 - 315.0 Sericitic section w/ schistosity at 80 deg. TCA and 2% parallel albite-carbonate veins	12407	301.0	302.5	1.5	NIL	
			12408	302.5	305.0	2.5	NIL	
			12409	305.0	307.5	2.5	NIL	
		Some fine pyrite	12410	307.5	309.0	1.5	NIL	
		Poor core recovery	12411	309.0	311.5	2.5	NIL	
			12412	311.5	313.5	2.0	NIL	
		344.0 - 353.0 Coarser grained (Peridotite?) w/ large py porphyroblasts	12413	313.5	315.0	1.5	NIL	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
218.9	353.0	ULTRAMAFIC-MAFIC VOLCANIC, CHLORITE-SERICITE +/- TALC SCHIST (Cont'd)						
			12414	339.0	341.5	2.5	NIL	
			12415	341.5	344.0	2.5	NIL	
			12416	344.0	346.5	2.5	NIL	
			12417	346.5	349.0	2.5	NIL	
			12418	349.0	351.0	2.0	NIL	
			12419	351.0	353.0	2.0	NIL	
353.0	354.8	WHITE TO PINK QUARTZ VEIN Relatively massive w/ a few hematite stained fractures which trend 30 and 45 deg. TCA A few py specks	12420	353.0	354.8	1.8	.003	
354.8	396.0	ULTRAMAFIC-MAFIC VOLCANIC Similar to 218.9 - 353.0 Generally more sericitic Schistosity at 45 deg. Scattered py cubes	12421	354.8	356.8	2.0	NIL	
396.0	453.3	ALTERED MAFIC +/- ULTRAMAFIC VOLCANIC Dark green to grey green Aphanitic to fine grained Variably sericitized, carbonatized Up to 20% carbonate-ankerite alteration patches, veinlets and fuchsite Particularly altered and pyritic (large py cubes 2%) at 418.0 - 428.0 A few talcose sections A pyritic shear w/ some porphyry over last 6" Some highly magnetic sections	12422	404.5	407.0	2.5	NIL	
			12423	407.0	408.5	1.5	NIL	
			12424	408.5	410.5	2.0	NIL	
			12425	410.5	412.5	2.0	NIL	
			12426	412.5	415.0	2.5	NIL	
			12427	415.0	417.5	2.5	NIL	
			12428	417.5	419.5	2.0	NIL	
			12429	419.5	421.5	2.0	NIL	
			12430	421.5	422.5	1.0	NIL	
			12431	422.5	424.5	2.0	.002	
			12432	424.5	427.0	2.5	.001	
			12433	427.0	429.0	2.0	NIL	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
453.3	508.3	MAFIC VOLCANIC +/- GABBRO Fine to medium grained, green; massive Some coarse magnetic sections may be gabbro Shattered carb alteration and veinlets approx. 2% Some porphyry intrusive material at 481.5 at 40 deg. TCA						
508.3	561.0	ALTERED MAFIC VOLCANIC Similar to 396.0 - 453.3 Scattered felsic/porphyry intrusive bands, dykes Foliation moderate at 75 - 80 deg. TCA Minor diss. py 15-25% carb blebs, patches and some veinlets						
	561.0	END OF HOLE						

MINROC MANAGEMENT LIMITED

DRILL LOG - FOURAX II PROPERTY

HOLE NO.: FX-8969 | TOWNSHIP: FOURNIERE. QUE. | CORE SIZE: BQ

COORDINATES: L3+50E 5+75N | RANGE: X | DRILLED BY: FORAGE MODERNE INC.

COLLAR ANGLE: -50 DEG. | LOT NO.: | DATE STARTED: 22/11/89

LOCATED FROM: BL | CLAIM NO.: 335178-4 | DATE COMPLETED: 23/11/89

AZIMUTH: 205 DEG. | LOGGED BY: N.O. WILLOUGHBY

LENGTH: 600 FT. | PAGE: 1 OF 12

DEPTH	AZIMUTH	ANGLE READ	ANGLE ACTUAL
200 FT.	205		-49 DEG.
400 FT.	205		-41 DEG.
600 FT.	205		-41 DEG.

REMARKS:

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
0.0	92.0	OVERBURDEN						
92.0	212.3	MAFIC PILLOWED VOLCANIC, PILLOW BRECCIA Green aphanitic to fine grained Numerous scattered altered (carbonate-epidote-pyrite) pillow selvedges Numerous pillow breccia segments Occasional pyroxene/amphibole phenocrysts Some carbonate-hematite filled fractures						
		132.7 - 144.3 1-2% qtz-carb +/- porphyry veining, 10% carbonate alteration as patches and specks plus 3-5% diss. py Notable veins at 134.0, 138.5, 139.8, 143.2, 144.0	12434	132.7	134.2	1.5	.001	
			12435	134.2	136.2	2.0	.019	
			12436	136.2	138.0	1.8	.006	
			12437	138.0	140.5	2.5	.003	
			12438	140.5	142.5	2.0	.010	
			12439	142.5	144.3	1.8	NIL	
212.3	237.2	MAGNETITE IRON FORMATION						
		Green to dark green	12440	217.0	218.0	1.0	NIL	
		Mainly massive to finely laminated	12441	218.0	219.0	1.0	NIL	
		Weak to moderate foliation at 70 deg. TCA	12442	219.0	220.0	1.0	NIL	
			12443	220.0	222.0	2.0	NIL	
		Laminations at 70 - 80 deg. TCA	12444	222.0	223.5	1.5	TR	
		Upper contact gradational from overlying mafic volcanic	12445	223.5	226.0	2.5	NIL	
		Extremely sericitic/sheared in places	12446	226.0	228.0	2.0	NIL	
		2% thin carbonate-albite-py veinlets and stringers parallel schistosity at 217.0 - 220.0	12447	228.0	229.0	1.0	NIL	
		Scattered carb patches	12448	229.0	231.0	2.0	NIL	
		Laminated sections contain diss. py approx. 1%	12449	231.0	233.0	2.0	.002	
			12450	233.0	234.5	1.5	.010	
			12451	234.5	236.1	1.6	NIL	
			12452	236.1	237.2	1.1	.001	
		228.4 Qtz-carb vein w/ diss. py (parallel foliation)						
		231.5 - 232.5 Quartz-carb vein zone w/ 2% diss. py						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
212.3	237.2	MAGNETITE IRON FORMATION (Cont'd)						
		234.3 - 236.1 Laminated mafic tuff with a 2" carb-py zone at 235.0						
		236.3 - 237.2 Considerable carb veining						
237.2	257.3	MAFIC TUFF, LAMINATED SEDIMENTS	12453	237.2	239.7	2.5	TR	
		Fine grained, green	12454	239.7	242.2	2.5	.006	
		Some laminated sections, but for most part massive	12455	242.2	243.7	1.5	TR	
		to foliated at 70 deg. TCA	12456	243.7	246.0	2.3	.002	
		Up to 10% narrow carbonate veinlets generally	12457	246.0	248.5	2.5	TR	
		parallel foliation; occasionally pyritic	12458	248.5	251.2	2.7	NIL	
		Magnetite iron formation bands at 240.3 - 240.7,	12459	251.2	252.9	1.7	.002	
		251.2 - 252.9	12460	252.9	254.4	1.5	.001	
			12461	254.4	255.8	1.4	.004	
		237.2 - 242.0 10% quartz-ankerite +/- albite veins parallel foliation to slightly oblique w/ associated patchy carbonate alteration and up to 5% diss. py	12462	255.8	256.9	1.1	.001	
		248.5 - 250.5 Similar 237.2 - 242.0						
		From 253.0 Increasingly sericitized with considerable carbonatization Quartz-ankerite +/- albite veins at 253.8 - 254.0, 256.0 - 256.7 subparallel to foliation						
		244.6 - 246.0 A pyritic felsic dyke at 45 deg. TCA Two crosscutting carb veinlets at 15 deg. TCA						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
257.3	263.2	SERICITE-CHLORITE SCHIST	12463	256.9	258.5	1.6	.002	
		Fine grained, green	12464	258.5	260.0	1.5	.002	
		Magnetic; possibly ultramafic volcanic	12465	260.0	261.5	1.5	TR	
		Some laminations at 70 deg. TCA	12466	261.5	263.2	1.7	TR	
		Variably carbonatized w/ numerous irregular carb patches, laminae						
		260.0 - 261.5 5% quartz-carb-ankerite veins parallel schistosity (65-70 deg. TCA)						
		261.3 A splash of cp, gn in quartz-carb vein In general, sparse py						
263.2	267.0	MAGNETITE IRON FORMATION	12467	263.2	265.2	2.0	.001	
		Similar to 212.3 - 237.2	12468	265.2	267.0	1.8	TR	
		W/ 5% carb veinlets, laminae and 1-2% py diss. blebs						
		A crosscutting quartz-tourmaline vein (45 deg. TCA) at 266.0						
267.0	271.2	CHLORITE-SERICITE SCHIST	12469	267.0	269.0	2.0	TR	
		Similar to 257.3 - 263.2, but non-magnetic	12470	269.0	271.2	2.2	.001	
		Similar carb veining as preceding unit. A carb vein at 5 deg. TCA at 269.6						
271.2	305.2	LAMINATED MAGNETITE IRON FORMATION	12471	271.2	273.2	2.0	.003	
		Dark grey to green, fine grained and finely laminated	12472	273.2	275.2	2.0	TR	
		A few thin sericite-chlorite +/- talc schist sections	12473	275.2	277.0	1.8	TR	
		Laminations at 60 - 70 deg. TCA and well defined	12474	277.0	278.0	1.0	.006	
		273.2 - 275.2 10% irregular quartz-ankerite and albite veining; some are very pyritic						
			12475	278.0	279.0	1.0	NIL	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
271.2	305.2	LAMINATED MAGNETITE IRON FORMATION (Cont'd)						
		277.0 - 280.0 Carbonatized, sericitized w/ 5-10% py diss. 2% albite/felsic and carbonate veinlets at 15 deg., 70 deg. (crosscutting) and subparallel laminae	12476	279.0	280.0	1.0	TR	
			12477	280.0	282.0	2.0	.002	
			12478	282.0	284.0	2.0	.005	
			12479	284.0	286.5	2.5	.002	
			12480	286.5	289.0	2.5	.002	
		The 15 deg. veins contain cp + gn blebs; particularly	12481	289.0	291.5	2.5	.003	
		end of section as vein crosscuts	12482	291.5	294.0	2.5	TR	
			12483	294.0	296.5	2.5	TR	
		Other interesting veining, etc. but due to broken core,	12484	296.5	299.0	2.5	.002	
		mismatched pieces and possible re-coring around	12485	299.0	301.5	2.5	NIL	
		300.0 (smaller core), i.e. repetition of core,	12486	301.5	305.0	3.5	.001	
305.2	306.9	SILICIFIED, FELDSPAR PORPHYRY INJECTED IRON FORMATION	12487	305.0	307.0	2.0	NIL	
		Dark grey, fine grained						
		Some pinkish to light brownish grey felsic +/- porphyry patches						
		With 1-2% cp blebs +/- py diss.						
306.9	327.2	INTERBEDDED MAGNETITE IRON FORMATION AND CHLORITE-SERICITE +/- TALC SCHIST	12488	307.0	309.5	2.5	NIL	
			12489	309.5	311.0	1.5	.001	
		Similar to 257.3 - 267.0	12490	311.0	313.5	2.5	.001	
		Several narrow pyritic sections	12491	313.5	315.0	1.5	NIL	
			12492	315.0	317.5	2.5	.002	
		318.0 - 319.0 Strongly deformed laminae in iron formation	12493	317.5	319.5	2.0	.002	
			12494	319.5	320.5	1.0	.020	
		Schistosity at 70 deg. TCA	12495	320.5	323.0	2.5	.005	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
327.2	340.8	SERICITE-CHLORITE +/- TALC SCHIST, LAMINATED TUFF	12497	325.0	327.2	2.2	.014	
		Similar to preceding units	12498	327.2	329.2	2.0	.004	
		In part, may be ultramafic volcanic	12499	329.2	330.2	1.0	.016	
		A few thin iron formation bands	12500	330.2	331.0	0.8	TR	
		329.3 - 329.6 Qtz-ankerite breccia in porphyry? At 90 deg. TCA w/ 10% py in breccia matrix/ host and wall rocks						
		331.0 - 332.5 Extremely sheared and vuggy, 5% py	11101	331.0	333.0	2.0	.001	
			11102	333.0	335.0	2.0	NIL	
		337.7 - 337.9 Porphyry dyke at 50 deg. TCA w/ some py diss.	11103	335.0	337.5	2.5	NIL	
			11104	337.5	338.5	1.0	TR	
			11105	338.5	340.8	2.3	TR	
340.8	352.0	MAGNETITE IRON FORMATION	11106	340.8	341.8	1.0	.005	
		Similar to 271.2 - 305.2 with some interbedded sericite-chlorite schist	11107	341.8	343.8	2.0	NIL	
			11108	343.8	345.0	1.2	NIL	
		Laminations, schistosity avgs 60 deg. TCA	11109	345.0	346.5	1.5	NIL	
			11110	346.5	348.5	2.0	TR	
		341.4 - 341.6 Qutz-ankerite veining w/ 5% py, trace aspy	11111	348.5	350.0	1.5	.006	
			11112	350.0	352.0	2.0	.055*	TR
		342.0 - 344.0 Mainly sericite-chlorite schist						
		350.0 - 351.5 Pyritic carbonatized +/- silica sections approx 25% w/ 5-10% py masses diss. Also carb-ank-qtz veining all subparallel to laminations						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
352.0	386.0	SERICITE-CHLORITE SCHIST Fine grained, green to grey green Laminated in part and containing narrow sections of magnetite iron formation notably 373.7 - 375.0 This IF contains a narrow low angle (10 deg. TCA) carbonate fracture, but no sulphide The IF contains 3% py and some albite-carb (felsic?) veins at 70 deg. TCA, crossing lamination (60 deg. TCA) Schistosity variable at 50 - 70 deg. TCA 355.0 - 355.5 Fault gouge 358.4 - 360.4 3% quartz and qtz-carb veining; 2-3% diss. py in the host rock	11113	352.0	354.0	2.0	.001	
			11114	358.4	360.4	2.0	TR	
			11115	373.5	375.5	2.0	NIL	
386.0	399.0	QUARTZ VEINED AND SILICIFIED SERICITE-CHLORITE SCHIST Similar to preceding unit, however variably silicified and intruded by quartz veins and feldspar porphyry, host rock pyritized approx. 3-5% py 386.0 - 386.2 Ank and qtz-ank veining, alteration patches w/ some py 386.7 - 387.0 Light grey to brownish feldspar porphyry w/ 3% finely diss. py At 40 deg. TCA, more or less conformable w/ schistosity Some chlorite fractures at 15 deg. TCA	11116	386.0	387.2	1.2	.001	
			11117	387.2	389.2	2.0	.001	
			11118	389.2	389.7	0.5	.003	
			11119	389.7	390.7	1.0	TR	
			11120	390.7	393.0	2.3	.002	
			11121	393.0	394.0	1.0	.001	
			11122	394.0	397.5	3.5	.003	
			11123	397.5	399.0	1.5	.004	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
386.0	399.0	QUARTZ VEINED AND SILICIFIED SERICITE-CHLORITE SCHIST (Cont'd)						
		389.7 - 390.6 Feldspar porphyry at 90 deg. TCA and with 30% lineated chloritic host rock inclusions Also fractures at 15 deg. TCA w/ some py; 2% py overall Some later quartz injection						
		393.0 - 394.0 Feldspar porphyry similar 386.9 - 387.1; at 90 deg. TCA 5-10% finely diss. py Fractures late quartz injection as at 389.7 - 390.6						
		Over last 6" breccia w/ irregular quartz +/- albite injection; some py grains						
399.0	404.5	FELDSPAR PORPHYRY Light grey green to brownish Considerable quartz flooding and veining Host porphyry w/ 2-5% diss. py Weak foliation at 60 deg. TCA Veining mainly at 60 deg. TCA w/ a few parallel TCA Numerous quartz-filled crosscutting fractures at 50 - 60 deg. TCA 400.0 (60 deg. TCA crosscutting foliation), 400.7 (30 deg. TCA, crosscutting), thin tourmaline veins Upper contact 90 deg. TCA, lower contact 15 deg. TCA	11124 11125 11126 11127	399.0 400.0 401.5 403.0	400.0 401.5 403.0 404.5	1.0 1.5 1.5 1.5	.009 .013 .004 TR	
		402.0 - 420.4 A band of laminated sediment						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
404.5	409.7	SERICITE-CHLORITE SCHIST Similar to 352.0 - 386.0 w/ schistosity at 60 deg. TCA Sparse veining, sulphides Quite magnetic	11128	404.5	406.5	2.0	.001	
409.7	447.0	ALTERED SERICITE-CHLORITE SCHIST Grey green to bluish grey green, fine grained Strongly magnetic Variable schistosity at 30 - 60 deg. TCA W/ up to 25% elliptical carbonate-ankerite patches, veinlets Scattered diss. py Some talcose and laminated IF sections						
		411.5 - 413.0 Several narrow porphyry dykes at 50 deg. TCA w/ 2-3% diss. py in host rock	11129	411.5	413.0	1.5	.001	
			11130	413.0	415.0	2.0	TR	
			11131	415.0	419.0	4.0	TR	
		414.5 A narrow porphyry dyke at 80 deg. TCA						
		414.1 A couple of cp splashes in irregular ankerite patch						
		419.0 - 423.0 Low angle shear at 20 deg. TCA w/ 1-3% py blebs and w/ hematite stained shear planes	11132	419.0	420.0	1.0	NIL	
			11133	420.0	422.5	2.5	TR	
			11134	422.5	424.5	2.0	TR	
			11135	424.5	426.5	2.0	TR	
		423.0 - 424.3 Siliceous porphyry w/ 5% py in adjacent host rocks; upper contact 30 deg. TCA, lower contact 45 deg. TCA	11136	416.5	419.4	2.9	NIL	
		424.3 - 429.4 Low angle shear (15 - 0 deg. TCA) as at 419.0 - 423.0						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
409.7	447.0	ALTERED SERICITE-CHLORITE SCHIST (Cont'd)						
		429.4 - 430.5 Hematite maroon stained fault breccia and gouge	11137	429.4	430.5	1.1	NIL	
			11138	430.5	432.0	1.5	NIL	
		430.5 - 435.5 A few felsic/porphyry intrusives narrow plus hematite stained fault breccia at 434.0 - 434.5	11139	432.0	433.5	1.5	TR	
			11140	433.5	435.5	2.0	TR	
		Numerous albite-ankerite veins from 443.0 containing py, tr. cp	11141	443.0	445.0	2.0	NIL	
			11142	445.0	447.0	2.0	.002	
447.0	462.9	ALTERED MAFIC-ULTRAMAFIC VOLCANIC	11143	447.0	449.5	2.5	.001	
		Fine - medium grained, green to grey green	11144	449.5	452.0	2.5	NIL	
		Variably carbonatized, sericitized	11145	452.0	453.5	1.5	NIL	
		Strongly magnetic, in part may be iron formation						
		1% large py cubes						
		Numerous low angle shears						
		453.8 - 454.5 Pinkish-brownish feldspar porphyry w/ 2-5% diss., blebs py, tr cp	11146	453.5	454.5	1.0	.004	
			11147	454.5	457.0	2.5	TR	
			11148	457.0	459.5	2.5	.001	
		Ankerite veins at 90 deg., 45 deg. TCA w/ large py blebs	11149	459.5	462.0	2.5	NIL	
		Some fractures parallel TCA						
		Upper contact 50 deg. TCA, lower contact 30 deg. TCA						
462.9	465.5	FELDSPAR PORPHYRY						
		Grey to pinkish grey	11150	462.0	463.0	1.0	.001	
		3% diss., blebs py	11151	463.0	465.5	2.5	TR	
		Several fractures at 50 deg. TCA; carb +/- chlorite filled, w/ no appreciable sulphides						
		Upper and lower contacts at 50 deg. TCA						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
465.5	474.4	MAFIC VOLCANIC Fine grained, dark green to dark grey green Variable foliation avg. 35 deg. TCA Considerably sericitic, chloritic +/- talcose Relatively schistose 1-2% large py cubes Several irregular ankerite patches and veins Shearing at 0 deg. TCA at 465.5 - 472.0; some parallel veining w/ py Strongly magnetic, may in part be iron formation	11152	465.5	468.0	2.5	TR	
			11153	468.0	470.5	2.5	.004	
			11154	470.5	472.0	1.5	.001	
			11155	472.0	474.4	2.4	.004	
474.4	532.0	ULTRAMAFIC-MAFIC VOLCANIC Fine grained Dark grey green to bluish grey green Variably schistose; mainly chlorite-sericite +/- talc; avg. schistosity 55 - 60 deg. Strongly magnetic 5-20% carbonate alteration as irregular patches, elliptical pods; some veinlets With 1-2% diss., blebs py in host rock Some coarser massive sections eg. 524.0 - 527.5 may be peridotite Particularly altered and pyritic section at 502.0 - 509.0 Lower contact at 50 deg. TCA	11156	501.5	504.0	2.5	.001	
			11157	504.0	506.5	2.5	.002	
			11158	506.5	507.5	1.0	NIL	
			11159	507.5	509.5	2.0	NIL	
532.0	537.7	MAFIC VOLCANIC Similar to 465.5 - 474.4 With a few ultramafic sections Foliation at 60 - 50 deg. TCA; massive in places						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
537.7	552.4	DIORITE Medium grained, dark green to green Variably carbonatized, chloritized; some biotite Magnetic Variably foliated to massive Minor diss. py Upper contact 90 deg. TCA Lower contact 80 deg. TCA						
552.4	600.0	ULTRAMAFIC-MAFIC VOLCANIC Similar to 474.4 - 532.0 More carbonatized or scattered brecciation, particularly first 2 feet Some banded sections may be iron formation At 587.0, a splash of cp	11160	585.5	588.0	2.5	NIL	
	600.0	END OF HOLE						

MINROC MANAGEMENT LIMITED

DRILL LOG - FOURAX II PROPERTY

HOLE NO.: FX-8970	TOWNSHIP: FOURNIERE, QUE.	CORE SIZE: BQ
COORDINATES: L3+50E 4+05N	RANGE: X	DRILLED BY: FORAGE MODERNE INC.
COLLAR ANGLE: -50 DEG.	LOT NO.:	DATE STARTED: 23/11/89
LOCATED FROM: BL	CLAIM NO.: 335178-4	DATE COMPLETED: 25/11/89
AZIMUTH: 205 DEG.		LOGGED BY: N.O. WILLOUGHBY
LENGTH: 600 FT.		PAGE: 1 OF 7

DEPTH	AZIMUTH	ANGLE READ	ANGLE ACTUAL
200 FT.	205		-48 DEG.
400 FT.	205		-48 DEG.
600 FT.	205		-48 DEG.

REMARKS:

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
0.0	69.0	OVERBURDEN					
69.0	90.5	VEINED MAGNETITE IRON FORMATION, LAMINATED SEDIMENTS/ SERICITE-CHLORITE SCHIST	11161	69.0	71.0	2.0	.002
		Dark green, finely laminated, in places deformed	11162	71.0	72.0	1.0	.002
		Lamination and schistosity avg. 35 deg. TCA	11163	72.0	73.0	1.0	.002
		Numerous qtz-carbonate veins generally parallel	11164	73.0	74.5	1.5	.003
		laminations, but somewhat irregular	11165	74.5	77.0	2.5	NIL
		Sometimes brecciated	11166	77.0	80.0	3.0	NIL
		Scattered diss. py	11167	80.0	82.0	2.0	.002
		Main vein zones at 70.0, 72.4 - 73.0 (with ankerite),	11168	82.0	83.0	1.0	TR
		80.0 - 81.0, 83.2, 84.2	11169	83.0	85.5	2.5	.005
			11170	85.5	87.8	2.3	.008
		82.1 - 83.0 Carbonate +/- quartz +/- fuschite vein w/ 1% tourmaline; upper contact 70 deg. TCA Lower contact 35 deg. TCA	11171	87.8	89.5	1.7	.004
			11172	89.5	90.5	1.0	.002
		A few felsic veinlets notably at 73.0 - 74.5 and crosscutting, vuggy w/ 2% cp (80 deg., 40 deg. TCA)					
		73.7 Quartz-albite vein at 40 deg. TCA with a tour-cp stringer					
		90.0 A splash of cp in carbonate veinlet					
90.5	136.0	MAGNETITE IRON FORMATION LAMINATED SEDIMENTS/SERICITE-CHLORITE SCHIST					
		As above without veining	11173	90.5	93.0	2.5	.001
		Variably schistose at 50 - 70 deg. TCA					
		In part, may be volcanic					
		Scattered py blebs, diss.					
		Extremely sericitic for most part					
		100.5 - 101.0 Fault gouge					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
90.5	136.0	MAGNETITE IRON FORMATION LAMINATED SEDIMENTS/SERICITE-CHLORITE SCHIST (Cont'd)					
			11174	126.0	127.0	1.0	.004
		127.0 - 128.5 Pyritic siliceous iron formation approx. 10% py	11175	127.0	128.5	1.5	.087*
			11176	128.5	130.0	1.5	.004
		Over last 10 ft., schistosity at 20 deg. TCA	11177	134.5	136.0	1.5	.002
136.0	143.4	FELDSPAR PORPHYRY	11178	136.0	138.0	2.0	TR
		Pale brownish grey to pinkish grey	11179	138.0	139.0	1.0	.001
		Moderate foliation at 40 deg. TCA w/ numerous	11180	139.0	140.0	1.0	.009
		cross-fractures at 45 deg. TCA	11181	140.0	142.0	2.0	TR
		5-10% diss. py, tr. cp	11182	142.0	143.4	1.4	.002
		139.2 - 140.0 3% gn +/- cp blebs					
		Last 3" massive tourmaline w/ 3% py stringers Upper contact at 80 deg. TCA Lower contact at 50 deg. TCA					
143.4	150.0	SERICITE-CHLORITE SCHIST +/- TALC	11183	143.4	145.5	2.1	.001
		Fine grained, green to grey green Schistosity at 70 deg. TCA A section of IF at 144.6 - 145.0					
			11184	149.0	150.0	1.0	TR
150.0	166.5	FELDSPAR PORPHYRY, SILICIFIED HOST ROCK	11185	150.0	152.0	2.0	.002
			11186	152.0	154.0	2.0	TR
		150.0 - 155.5 Intensely silicified, pinkish grey green to pale yellow green (previously sericitized) rock	11187	154.0	156.5	2.5	.001
			11188	156.5	158.0	1.5	NIL
			11189	158.0	159.0	1.0	NIL
		Strongly foliated at 60 deg. TCA	11190	159.0	161.5	2.5	.003
			11191	161.5	164.0	2.5	.001
		152.5 - 153.2 Silicified iron formation w/ 2% diss. py	11192	164.0	166.4	2.4	.002

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
150.0	166.5	FELDSPAR PORPHYRY, SILICIFIED HOST ROCK (Cont'd)					
		155.5 - 161.0 Similar to 136.0 - 143.4					
		161.0 - 166.5 As 150.0 - 155.5, but generally previously (pre-silicified), more sericitic Scattered diss. py					
		Later quartz veining mainly parallel foliation, at 150.5, 156.4, 158.9					
		158.4 Quartz-albite vein at 60 deg. TCA crosscutting and w/ diss. py in albite					
166.5	187.0	VEINED AND ALTERED CHLORITE-SERICITE +/- TALC SCHIST AND IRON FORMATION Grey green to light greyish green, fine grained	11193	166.4	168.0	1.6	.006
			11194	168.0	171.2	3.2	TR
			11195	171.2	172.7	1.5	.004
			11196	172.7	175.2	2.5	.004
		166.5 - 171.2 Carbonate veined chlorite-sericite +/- talc schist w/ schistosity at 60-80 deg. TCA Some narrow iron formation bands Scattered diss. py; extremely pyritic over first foot	11197	175.2	176.5	1.3	.002
		166.8 - 167.7 20% quartz and/or porphyry veins at 50 deg. TCA					
		171.2 - 178.5 Light grey to pale grey green fine grained silicified sediment or porphyry w/ 3-5% py diss.					
		171.5 - 171.7 Qtz vein/porphyry, at 70 deg. TCA					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
166.5	187.0	VEINED AND ALTERED CHLORITE-SERICITE +/- TALC SCHIST AND IRON FORMATION (Cont'd)					
		176.5 - 179.5 Feldspar porphyry, coarse felsic intrusive; quartz flooded to base w/ some carb fractures at 0 deg. TCA Upper and lower contacts 80 deg. TCA	11198	176.5	179.5	3.0	TR
			11199	179.5	181.5	2.0	.003
		179.5 - 187.0 Chlorite-sericite schist, similar to 166.5 - 171.2					
		Some grinding of core to base					
187.0	217.0	ULTRAMAFIC VOLCANIC, TALC-CHLORITE SCHIST Fine grained, light bluish grey to light greenish grey Extremely variable schistosity at 60 deg. to 0 deg. TCA Some carb. veinlets, fragments First 10 ft., grinding of core into a five foot length Numerous actinolite needles over last foot					
217.0	255.0	INTERMEDIATE-FELSIC FELDSPAR PORPHYRY Pinkish grey green to grey green; generally massive to poorly foliated	11200	216.5	219.0	2.5	TR
			11201	219.0	221.0	2.0	.001
			11202	221.0	222.0	1.0	.001
			11203	222.0	223.0	1.0	.001
		217.0 - 231.3 Numerous albite-quartz +/- carbonate veins at 60 - 90 deg. TCA approx. 10%	11204	223.0	224.5	1.5	TR
			11205	224.5	226.8	2.3	TR
			11206	226.8	228.3	1.5	.001
		Very stockwork-like; generally contain large py blebs, especially at 226.0 Numerous carb fractures at 35 deg., 90 deg. TCA, some w/ py Relatively massive host and contains 2-3% diss. py Many of the veins have pink potassic alteration haloes	11207	228.3	230.3	2.0	NIL
			11208	230.3	231.3	1.0	TR
			11209	231.3	233.3	2.0	.003
			11210	233.2	236.0	2.8	.003
			11211	236.0	237.5	1.5	.006
			11212	237.5	239.5	2.0	.001
			11213	239.5	242.0	2.5	NIL

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
217.0	255.0	INTERMEDIATE-FELSIC FELDSPAR PORPHYRY (Cont'd)					
		230.3 - 231.3 A quartz vein at 60 deg. TCA	11214	242.0	244.0	2.0	NIL
			11215	244.0	245.0	1.0	TR
		Upper contact brecciated	11216	245.0	248.0	3.0	NIL
			11217	248.0	253.0	5.0	NIL
		231.3 - 255.0 Not stockworked but w/ quartz-carbonate +/- albite veins at 70 deg., 60 deg., 80 deg. TCA, Many containing py	11218	253.0	255.0	2.0	NIL
		Up to 5% py throughout					
		Lower contact brecciated					
255.0	271.6	MAFIC-INTERMEDIATE FELDSPAR PORPHYRY	11219	255.0	256.0	1.0	NIL
		Green to grey and grey green	11220	256.0	257.7	1.7	NIL
		With 25 - 40% carbonatized feldspar phenocrysts in	11221	257.7	260.0	2.3	.002
		aphanitic groundmass	11222	260.0	262.5	2.5	.001
		Massive to foliated at 0 - 50 deg. TCA; strongly	11223	262.5	265.0	2.5	.001
		sheared at 263.0 - 266.0	11224	265.0	268.0	3.0	.002
		Up to 3% large py crystals throughout	11225	268.0	270.0	2.0	.001
			11226	270.0	271.6	1.6	.003
		256.0 - 257.7 Inclusion of ultramafic volcanic					
		Lower contact of porphyry at 35 deg. TCA					
		Minor carbonate +/- qtz veining					
		270.7 Later felsic porphyry intrusive at 40 deg. TCA w/ 10% py cubes					
271.6	275.4	DIORITE					
		Dark green to brownish green, medium grained	11227	271.6	273.6	2.0	.002
		With 30% carbonatized feldspars					
		Several chloritic shears at 30 deg. TCA					
		Several large magnetite phenocrysts					
		Foliation avgs 50 deg. TCA					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
275.4	289.0	ULTRAMAFIC VOLCANIC, CHLORITE-SERICITE +/- TALC SCHIST Fine grained, grey green to light bluish grey green Schistosity avg. 60 deg. TCA 25% carbonate +/- albite patches, blebs, veins and vein fragments 1% pyrite w/ a few local 3% concentrations					
289.0	600.0	MAFIC-ULTRAMAFIC VOLCANIC Aphanitic to fine grained, green to grey green Other features similar to 275.4 - 289.0 with narrow sections of limited carb alteration and veining Some brecciated sections Strongly magnetic	11228	304.0	305.0	1.0	.003
		304.0 - 305.0 5% large py crystals					
		388.2 Pyrite mass	11229	388.0	389.0	1.0	.008
			11230	389.0	390.5	1.5	.004
		390.0 - 390.5 Large py cubes					
		416.7 - 417.3 Carbonate vein zone w/ 10% diss. py	11231	416.0	417.5	1.5	.001
		512.0 - 531.0 Shear foliation at 50 deg. TCA w/ considerable carb-ankerite veining and 1-3% py, traces cp	11232	512.0	514.0	2.0	.002
			11233	514.0	516.5	2.5	.004
			11234	516.5	519.0	2.5	.003
			11235	519.0	522.0	3.0	.002
			11236	522.0	524.0	2.0	.001
			11237	524.0	527.0	3.0	.002
			11238	527.0	529.5	2.5	.002
	600.0	END OF HOLE	11239	529.5	531.0	1.5	.001

MINROC MANAGEMENT LIMITED

DRILL LOG - FOURAX II PROPERTY

HOLE NO.: FX-8971 | TOWNSHIP: FOURNIERE. QUE. | CORE SIZE: BQ

COORDINATES: L8+50E, 4+75N | RANGE: X | DRILLED BY: FORAGE MODERNE INC.

COLLAR ANGLE: -50 DEG. | LOT NO.: | DATE STARTED: 27/11/89

LOCATED FROM: BL | CLAIM NO.: 335178-4 | DATE COMPLETED: 29/11/89

AZIMUTH: 205 DEG. | LOGGED BY: N.O. WILLOUGHBY

LENGTH: 650 FT. | PAGE: 1 OF 10

DEPTH	AZIMUTH	ANGLE READ	ANGLE ACTUAL
200 FT.	205		-50 DEG.
400 FT.	205		-46 DEG.
600 FT.	205		-46 DEG.

REMARKS:

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
0.0	72.0	OVERBURDEN							
72.0	141.5	MAFIC VOLCANIC, FLOW BRECCIA Green, aphanitic to fine grained Massive to foliated, especially to base at 45 deg. TCA Some carbonate/epidote alteration patches, veinlets 90.0 - 91.8 Foliated carbonate alteration zone at 70 deg. TCA 100.0 - 108.0 Breccia fragments Some scattered py bands Occasional iron formation sections to base, notably at 125.0 - 125.4 Lower contact characterized by intense shearing, carbonatization							
141.5	153.8	MAGNETITE IRON FORMATION, MAFIC TUFF Fine grained, green to light green and greyish Generally massive to 151.3 w/ several narrow sericitic laminated sections 151.3 - 153.8 Finely laminated at 60 deg. TCA Laminations consist of chlorite-magnetite, carbonate sericite Lower contact 45 deg. TCA	11240	151.8	153.8	2.0	NIL		
153.8	181.7	INTERMEDIATE FELDSPAR PORPHYRY Medium to coarse grained grey to grey green and pinkish grey; w/ 40-80% feldspar phenocrysts, 5-10% large reddish potassic-feldspar phenocrysts Moderately foliated at 60 - 70 deg. TCA A few quartz veins parallel foliation, notably a vein system at 160.7 - 163.7	11241	153.8	157.0	3.2	NIL		
			11242	157.0	159.0	2.0	NIL		
			11243	159.0	160.7	1.7	NIL		
			11244	160.7	162.2	1.5	NIL		
			11245	162.2	164.0	1.8	NIL		
			11246	164.0	166.5	2.5	NIL		
			11247	166.5	169.0	2.5	TR		

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
153.8	181.7	INTERMEDIATE FELDSPAR PORPHYRY (Cont'd)							
			11248	169.0	170.0	1.0	.002		
		169.3 - 169.8 Pyritic silica flood zone; 5% diss. py	11249	170.0	172.5	2.5	NIL		
			11250	172.5	175.0	2.5	TR		
		175.8 - 176.2 5% diss. py	11251	175.0	177.5	2.5	.001		
			11252	177.5	179.0	1.5	.003		
		176.2 - 177.0	11253	179.0	181.7	2.7	.005		
		177.9 - 180.8 Silicified, previously sericitized laminated sediments/tuff containing up to 5% diss. py							
		179.5 - 180.5 Particularly well laminated							
181.7	209.2	INTERBEDDED LAMINATED TUFF/SEDIMENT AND IRON FORMATION	11254	181.7	182.7	1.0	.005		
		Green to dark grey green w/ some massive sections	11255	182.7	185.2	2.5	.002		
		Moderately to strongly sericitic and schistose;	11256	185.2	187.7	2.5	NIL		
		parallel laminations at 70 deg. TCA avg.	11257	187.7	190.2	2.5	NIL		
		Scattered diss. py	11258	190.2	192.7	2.5	TR		
		Numerous carbonate +/- ankerite bands/veins,	11259	192.7	194.5	1.8	TR		
		especially at 181.7 - 184.4, 194.5 - 197.8	11260	194.5	197.8	3.3	.023		
		(fuchsite?), 201.0 - 202.5	11261	197.8	201.0	3.2	.004		
		Quartz vein, breccia zones at 206.0 - 207.0,	11262	201.0	202.5	1.5	.011		
		207.7 - 207.9	11263	202.5	206.0	3.5	.003		
		Some laminations deformed	11264	206.0	207.0	1.0	.001		
			11265	207.0	209.2	2.2	.001		
209.2	211.7	FELDSPAR PORPHYRY							
		Pale brownish green to light green	11266	209.2	211.7	2.5	.002	.003	
		Quartz flooded and veined (40%); some veins at 60 deg. TCA							
		Finely diss. py in both quartz and porphyry, 5 - 10%							
		210.7 - 211.7 Porphyry intruded and silicified laminated sediment							
		Fractures at 45 deg., 5 deg. TCA							

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
211.7	221.2	QUARTZ VEINED LAMINATED SEDIMENT AND IRON FORMATION	11267	211.7	213.5	1.8	.520*	.520*	
		Similar to 181.7 - 209.2, but with 30% quartz	11268	213.5	215.5	2.0	.003	.004	
		+/- carbonate veining	11269	215.5	218.0	2.5	.002		
			11270	218.0	219.5	1.5	.011		
		211.7 - 215.3 Particularly well veined, vein breccia w/ generally irregular contacts, but trend subparallel to laminations at 50 - 70 deg. TCA	11271	219.5	221.2	1.7	.019		
		212.3 - 212.6 A concentration of 15% py in sediment bounded by quartz veining							
		220.0 - 221.2 Brecciated,quartz-filled w/ shearing at 25 deg. TCA, parallel lower contact							
221.2	225.5	PYRITIC ALTERED IRON FORMATION AND MAFIC TUFF	11272	221.2	222.5	1.3	.020	.096*	
		Green, fine to medium grained	11273	222.5	224.0	1.5	.077		
		Variably carbonatized	11274	224.0	225.5	1.5	.025		
		Foliated at 35 - 50 deg. TCA							
		Some quartz veining							
		With 10-15% diss. py throughout							
		Veins contain minor py, plus traces gn, tourmaline, especially at 222.6 - 224.0							
225.5	230.6	MAGNETITE IRON FORMATION							
		Fine to medium grained, green, massive to foliated at 30 - 40 deg. TCA at 225.5 - 228.8	11275	225.5	226.5	1.0	TR		
		From 228.8 Finely laminated, carbonatized, with 10% diss., blebs, py	11276	226.5	228.8	2.3	NIL		
		Sericitic to base	11277	228.8	230.6	1.8	NIL		
		226.4 A 2" quartz-albite vein at 60 deg. TCA crosscutting foliation							

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
230.6	290.7	INTERBEDDED SERICITE-CHLORITE SCHIST, LAMINATED SEDIMENT/IRON FORMATION							
		Green to grey green, fine grained	11278	230.6	232.1	1.5	.001		
		Avg. schistosity, laminae at 60 deg. TCA, but quite	11279	232.1	234.7	2.6	NIL		
		variable	11280	234.7	236.7	2.0	NIL		
		In part may be mafic tuff or volcanic	11281	236.7	239.2	2.5	.001		
		Generally sparse sulfides	11282	239.2	242.3	0.0	NIL		
		Significant laminated magnetite iron formation at	11283	242.3	247.2	4.9	TR		
		256 - 257.7, 271.7 - 272.7, 286.8 - 288.1							
		Some deformed laminae	11284	247.2	249.2	2.0	NIL		
			11285	249.2	250.2	1.0	NIL		
		230.6 - 242.3 10% carbonate-ankerite veining, breccia	11286	250.2	252.2	2.0	NIL		
		Several low angle shears TCA	11287	271.0	273.5	2.5	NIL		
		258.7 - 260.2 Fault gouge or grinding							
		247.2 - 250.8 Two low angle shears at 0 - 15 deg. TCA	11288	283.0	285.0	2.0	NIL		
		w/ some quartz-carb veining especially at	11289	285.0	286.8	1.8	NIL		
		249.4 w/ splashes of cp	11290	286.8	288.1	1.3	.005		
			11291	288.1	290.7	2.6	NIL		
290.7	309.1	MAGNETITE IRON FORMATION							
		Green to grey green, finely laminated at	11292	290.7	292.8	2.1	NIL		
		60 - 70 deg. TCA with some local deformation	11293	292.8	295.0	2.2	NIL		
		Numerous siliceous sections plus sericite-chlorite	11294	295.0	297.5	2.5	NIL		
		schist	11295	297.5	299.0	1.5	.001		
		1-3% scattered diss. py	11296	299.0	301.5	2.5	NIL		
			11297	301.5	304.3	2.8	NIL		
		304.3 - 305.4 Narrow porphyry "veins" with attendant	11298	304.3	305.5	1.2	.002		
		silicification, 5% py diss., blebs	11299	305.5	307.0	1.5	TR		
			11300	307.0	309.1	2.1	TR		
		306.4 - 306.6 Feldspar porphyry - quartz flood zone at							
		60 deg. TCA							

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
			11301	309.1	310.7	1.6	.060*	.051*	
309.1	315.1	FELDSPAR PORPHYRY, QUARTZ FLOOD ZONE	11302	310.7	312.2	1.5	.007		
		Light brownish grey to greyish green	11303	312.2	313.2	1.0	.009		
		Strongly foliated at 60 deg. TCA	11304	313.2	315.1	1.9	.026		
		Consists of porphyry plus silicified pyritic sediment host rock							
		Porphyry contains up to 5% finely diss. py							
		From 311.1, considerable quartz +/- albite flooding preferentially injected parallel folation approximately 30% of section							
		Numerous cross-fractures at 40 deg., 10 deg. TCA							
		Minor py in quartz; most sulfide in assimilated host rock and porphyry							
		309.8 - 310.7 Ankerite veined pyritic sediment							
315.1	335.0	SERICITE-CHLORITE SCHIST, IRON FORMATION	11305	315.1	317.0	1.9	.001		
		Similar to 230.6 - 290.7, with 25% irregular and deformed ankerite-carbonate veinlets, variable schistosity attutudes	11306	317.0	318.5	1.5	.062*	.053*	
			11307	318.5	322.0	3.5	.170*	.096*	
		Considerable ground core	11308	322.0	325.0	3.0	.031	.030	
			11309	325.0	327.5	2.5	.087*	.067*	
		317.0 - 317.5 Significant pyritic iron formation	11310	327.5	330.5	3.0	.041		
			11311	330.5	332.7	2.2	.027		
		Feldspar porphyry at 324.1 - 324.3, 333.7							
		Some talcose sections							
335.0	384.0	ULTRAMAFIC VOLCANIC, CHLORITE-SERICITE-TALC SCHIST							
		Fine grained, light grey green to bluish grey green							
		Extremely variable schistosity							
		Structural lamination defined by sheared carbonate-ankerite veinlets, alteration patches							
		Also, occasional massive medium grained (peridotite?) sections							
		Strongly magnetic							
		Sparse py cubes							

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
384.0	465.2	MAFIC-ULTRAMAFIC VOLCANIC Green to grey green, fine grained Massive to schistose at 70 deg. TCA avg. Variably sericitized, carbonatized with up to 20% carbonate-ankerite veinlets, irregular alteration patches Scattered large py cubes Strongly magnetic							
			11312	423.0	425.0	2.0	TR		
		425.0 - 428.0 40% carbonate-ank. breccia, veining 5% py cubes +/- diss.	11313	425.0	428.0	3.0	NIL		
			11314	428.0	430.0	2.0	NIL		
		445.5 - 446.0	11315	445.0	446.5	1.5	NIL		
		456.0 - 458.0 Large (up to 1/2") py cubes associated with carbonate patches, veins	11316	455.5	458.5	3.0	TR		
465.2	486.0	ALTERED, BRECCIATED MAFIC VOLCANIC, DIORITE	11317	465.0	467.5	2.5	NIL		
		Dark green, fine to medium grained	11318	467.5	470.0	2.5	NIL		
		Strongly carbonatized with 30% carb ankerite veins,	11319	470.0	472.5	2.5	NIL		
		15% pervasive	11320	472.5	474.5	2.0	NIL		
		Strongly brecciated at 468.2 - 470.7, 474.5 - 481.0	11321	474.5	477.0	2.5	NIL		
		with 5 - 10% diss. py at 478.5 - 481.0	11322	477.0	478.5	1.5	NIL		
		Strongly magnetic	11323	478.5	481.0	2.5	NIL		
		Some pseudo-laminae at 90 deg. TCA	11324	481.0	483.5	2.5	NIL		
		May be IF	11325	483.5	486.0	2.5	NIL		
		To base, some irregular pink felsic intrusive material							
		470.5 - 471.2 Diorite							

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
486.0	550.6	MAFIC-ULTRAMAFIC VOLCANIC Similar to 384.0 - 465.2 A much more mafic aspect to base From 535.0, schistosity at 90 deg. TCA From 548.0, considerably carbonatized and with 1-2% diss. py	11326	548.0	550.6	2.6	NIL		
550.6	555.1	FELDSPAR PORPHYRY Salmon pink, aphanitic with up to 5% carbonatized feldspar phenocrysts Generally massive 1-2% chlorite +/- carbonate-quartz filled fractures at 15 deg., 45 deg. (two directions) and 70 deg. TCA Scattered (5%) diss. py cubes; a few patches 554.7 A narrow massive py veinlet at 90 deg. TCA Several irregular host rock inclusions Upper contact at 90 deg. TCA Lower contact irregular but approx. 90 deg. TCA	11327 11328	550.6 553.1	553.1 555.1	2.5 2.0	NIL TR		
555.0	561.7	AMPHIBOLITIC MAFIC VOLCANIC Medium grained, green Moderately well foliated at 90 deg. TCA 30% somewhat randomly oriented amphibole needles up to 1/4" long Carbonate-chlorite altered 1-3% diss. py cubes 557.3 - 557.5 Dark grey feldspar porphyry at 60 deg. TCA	11329 11330 11331 11332	555.1 557.1 558.1 559.6	557.1 558.1 559.6 561.7	2.0 1.0 1.5 2.1	.002 .001 .016 .010		

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
561.7	573.7	FELDSPAR PORPHYRY	11333	561.7	562.7	1.0	.001		
		Similar to 550.6 - 555.1	11334	562.7	565.2	2.5	TR		
		Generally more low angle fractures (15 deg. TCA)	11335	565.2	567.7	2.5	NIL		
		Upper contact irregular, but avgs. 70 deg. TCA	11336	567.7	570.2	2.5	NIL		
		Lower contact sharper at 60 deg. TCA	11337	570.2	572.7	2.5	TR		
			11338	572.7	574.2	1.5	NIL		
573.7	586.2	MAFIC VOLCANIC, DIORITE	11339	574.2	577.0	2.8	NIL		
		Aphanitic to medium grained							
		Dark green to green							
		573.7 - 577.0 Amphibolitic and pyritic as at 555.1 - 561.7							
		From 577.0 Strongly magnetic							
		Strongly foliated at 60-80 deg. TCA, but some massive sections	11340	583.2	584.7	1.5	.002		
		Several carbonate-ankerite veins, bands parallel foliation	11341	584.7	586.2	1.5	TR		
		583.8 - 586.0 Extremely sheared with carbonate patches, laminae, magnetic; may in part be IF							
		With 1-2% py diss., cubes							
		A py-chlorite band at 585.2							
586.2	587.9	FELDSPAR PORPHYRY	11342	586.2	587.9	1.7	TR		
		Light grey aphanitic w/							
		5% white feldspar phenocrysts							
		10% finely diss. py							
		A few fractures at 15 deg., 70 deg. TCA							

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
587.8	610.0	MAFIC VOLCANIC	11343	587.9	590.0	2.1	.002		
		Similar to 573.7 - 586.2, but with up to 10% diss. py	11344	590.0	592.0	2.0	.004		
		1% carbonate-ankerite veins/breccia	11345	592.0	594.0	2.0	.010		
		Strongly foliated at 50 deg. TCA	11346	594.0	596.0	2.0	.017		
		Some laminated magnetic sections may be IF	11347	596.0	598.0	2.0	.020	.020	
			11348	598.0	600.0	2.0	.180*	.180*	.880*
		603.0 - 610.0 Strongly carbonatized with 5-10% py,	11349	600.0	602.0	2.0	.034	.033	
		4 ft. of ground core	11350	602.0	604.0	2.0	.013		
610.0	625.0	ULTRAMAFIC VOLCANIC							
		Fine grained to aphanitic, bluish grey green							
		Somewhat talcose, sericitic							
		Foliation - schistosity well developed at 70 deg. TCA							
		Some scattered carbonate veins, patches							
		Generally sparse sulphide							
		610.0 - 612.0 1-2% py cubes							
625.0	643.5	MAFIC VOLCANIC							
		Fine grained, green to grey green							
		Weak foliation to massive							
		Variably carbonatized, some carbonate veinlets							
		w/ various orientations							
		Minor scattered py							
		From 642.4 2-3% py diss.							
643.5	650.0	ULTRAMAFIC VOLCANIC							
		Similar to 610.0 - 625.0							
	650.0	END OF HOLE							

RE-LOGGING OF SIGNIFICANT INTERSECTIONS - JANUARY '90
N.O. WILLOUGHBY

HOLE # FX-8971

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
211.7	221.2	QUARTZ VEINED LAMINATED SEDIMENT, IRON FORMATION					
		11267 - 50% qtz +/- ank. veining in sericite-chl. schist, A small 1" section of IF at start which is very sil and contains a narrow py stringer parallel schistosity and several py blebs to 5 mm. Some narrow fractures parallel TCA Best eg. of flooding seen to date, pale grey to greyish green, pervasive At 212.4 - 212.6 - 25% diss., masses py in laminated sediment At 212.2 - 212.4 Qv with some host frags; some py 212.8 - 213.0 - Carb-ank. veined sediment with diss. py blebs 213.0 - 213.3 - White qv 213.3 - 213.5 Mainly chlorite sericite schist	11267	211.7	213.5	1.8	.520
221.2	225.5	PYRITIC, ALTERED IRON FORMATION, MAFIC TUFF					
		11272 - Carbonatized sil; giving rock a pseudo-brecciated to granular appearance; up to 50% Chloritic groundmass; very chloritic at 222.2 - 222.5 with 10-15% diss., masses py At 221.3 - Carb-qtz vein slightly oblique to schistosity with py blebs, strings At 221.6 - Similar to 221.3, but with a narrow bleached alteration border At 222.0 - wider qtz carb vein with minor py inclusions	11272	221.2	222.5	1.3	.096
		11273 - Similar to preceeding, however, some qtz-carb +/- ank. veining with py blebs included, notably 223.3, 223.6	11273	222.5	224.0	1.5	.077

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
315.1	335.0	SERICITE-CHLORITE SCHIST AND IRON FORMATION					
		11306 - Fairly non-descript schist with a thin band of siliceous IF at approx. 317.0 - 317.5 with 1% py blebs	11306	317.0	318.5	1.5	.062
		11307 - Similar to 11306, strongly carb-ank +/- qtz altered (patchy) schist +/- IF, minor py cubes At end, narrow feldspar porphyry, trace py	11307	318.5	322.0	3.5	.170
		11308 - This looks better than previous Perhaps numbering is wrong? At approx. 323.6 - 324.0 - qtz-carb vein subparallel foliation with several splashes of cp Siliceous pyritic (10%) iron formation at 324.1 - 324.5, 324.8 - 325.0	11308	322.0	325.0	3.0	.031
		11309 - Again fairly non-descript schist with minor py	11309	325.0	327.5	2.5	.083
587.8	610.0	MAFIC VOLCANIC A number of samples within a biotitized alteration zone containing up to 10% py diss. as fine grains to coarse 2 mm cubes; alteration starts at 590.0					
		11347 - Strongly schistose biotitic zone with 15% py diss., masses; some carb-ank. patches, veinlets Scattered large amphibole needles	11347	596.0	598.0	2.0	.020
		11348 - Brecciated, biotitic, amphibolitic and ank. vein/py zone with 5% masses, large diss. py	11348	598.0	600.0	2.0	.180
		11349 - Similar to 11347	11349	600.0	602.0	2.0	.034
		Still considerable sericite in the section					

MINROC MANAGEMENT LIMITED

DRILL LOG - FOURAX II PROPERTY

HOLE NO.: FX-8972 | TOWNSHIP: FOURNIERE, QUE. | CORE SIZE: BQ

COORDINATES: L10+00E 4+75N | RANGE: X | DRILLED BY: FORAGE MODERNE INC.

COLLAR ANGLE: -50 DEG. | LOT NO.: | DATE STARTED: 29/11/89

LOCATED FROM: BL | CLAIM NO.: 335178-4 | DATE COMPLETED: 01/12/89

AZIMUTH: 205 DEG. | LOGGED BY: L. MELCHIORRE

LENGTH: 522 FT. | PAGE: 1 OF 10

DEPTH	AZIMUTH	ANGLE READ	ANGLE ACTUAL
62 FT.	205		-47 DEG.
200 FT.	205		-44 DEG.
400 FT.	205		-41 DEG.

REMARKS:

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
0.0	62.0	OVERBURDEN							
62.0	139.2	MAFIC VOLCANIC (MAY BE SEDIMENT/TUFF) Medium green Fine grained Moderate foliation 50 - 60 deg. TCA Quartz + calcite + epidote + some tourmaline veinlets 0 deg. and 70 deg. TCA Pyritiferous (blebs) horizons in places approx. 70 deg. TCA, usually near veinlets Brecciated horizons							
139.2	141.8	IRON FORMATION Medium green to dark green Slight foliation - 30 deg. TCA Upper contact gradual Lower contact 30 deg. TCA Strongly magnetic Quartz + calcite + ankerite veinlets approx. 30 deg. TCA							
141.8	143.0	LAMINATED MAFIC VOLCANIC Non magnetic Medium green, fine grained Coarse amphibole needles randomly oriented							
143.0	144.2	IRON FORMATION Medium green 1% pyrite blebs Upper and lower contacts sharp, appear sedimentary 30 deg. TCA							
144.2	145.3	LAMINATED MAFIC VOLCANIC Similar to 141.8 - 143.0, but lacks amphibole needles							

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
145.3	151.3	SERICITE-CHLORITE-TALC SCHIST/SEDIMENTS Light - medium green Soft Foliation 50 deg. TCA Upper contact 50 deg. TCA Lower contact in fault zone (?) Moderately magnetic							
151.3	156.9	IRON FORMATION Foliated 50 deg. TCA Quartz and ankerite injection follow foliation Blackish in color Trace disseminated pyrite Very magnetic Lower contact 50 deg. TCA							
156.9	158.0	SERICITE-CHLORITE-TALC SCHIST/SEDIMENTS Appears laminated Some laminae more magnetic than others							
158.0	161.3	IRON FORMATION Similar to 151.3 to 156.9, but contains 2% disseminated pyrite and higher concentration of quartz and ankerite injection Upper and lower contacts 50 deg. TCA	11032	158.0	161.3	3.3	NIL		
161.3	190.2	IRON FORMATION INTERCALATED WITH TALC-CHLORITE-SERICITE SCHIST Schist is weakly - moderately magnetic Black in color Trace disseminated pyrite	11033 11034	161.3 163.6	163.6 165.2	2.3 1.6	TR TR		
		165.2 - 168.5 High quartz + ankerite injection - 2% disseminated pyrite	11035 11036	165.0 167.0	167.0 168.5	2.0 1.5	.026 .003	TR	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
161.3	190.2	IRON FORMATION INTERCALATED WITH TALC-CHLORITE-SERICITE SCHIST (Cont'd)							
		168.5 - 174.5 Talc-chlorite-sericite schist Foliation 50 deg. TCA							
		174.5 - 174.7 Iron formation 3% disseminated pyrite Foliation 60 deg. TCA							
		174.7 - 175.6 Schist Broken up Foliation 50 deg. TCA							
		175.6 - 175.7 Iron formation - 50 deg. TCA							
		175.7 - 178.1 Schist							
		178.1 - 179.8 Iron formation White quartz veinlets at 80 - 90 deg. TCA 10% clots of pyrite following foliation, which is 50 deg. TCA	11037	178.1	179.8	1.7	.650*	.660*	NIL
		179.8 - 182.0 Schist - medium green Abundant quartz, ankerite injection at 50 deg. TCA; trace pyrite	11038	179.8	182.8	3.0	.005	.004	
		182.0 - 187.0 Schist Dark green in color Quartz-ankerite injection	11039	182.8	187.0	4.2	.001		
		187.0 - 190.2 Schist Medium green Abundant quartz and ankerite injection at 50 deg. TCA Trace pyrite	11040	187.0	190.2	3.2	.004		

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
190.2	245.7	TALC-CHLORITE-SERICITE SCHIST (ULTRAMAFIC VOLCANIC?) Medium - dark green Quartz and ankerite injection abundant Follow foliation of approx. 50 deg. TCA Weak to moderate magnetism							
		200.7 - 203.0 Broken up - fault zone	11041	211.9	214.0	2.1	.002		
		212.3 - 212.4 White quartz vein Approx. 50 deg. TCA 1% pyrite cubes in host rock	11042	214.0	215.0	1.0	.003		
		215.0 - 219.0 Very abundant quartz and ankerite injection Mylonitic 1% pyrite cubes which are stretched	11043	215.0	217.5	2.5	.001		
			11044	217.5	219.9	2.4	.042		
		237.9 - 238.7 Iron formation Light grey Fine grained Foliated 60 deg. TCA Strongly magnetic Upper contact 60 deg. TCA - silicified Lower contact 80 deg. TCA and gradational	11045	236.0	238.6	2.6	.007		
			11046	238.6	241.3	2.7	.002		
		241.3 - 244.6 White quartz vein Some schist included Upper contact 60 deg. TCA Lower contact approx. 80 deg. TCA Ankerite included Fractured @ 20 deg. TCA No visible mineralization	11047	241.3	244.6	3.3	.017		

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
245.7	259.5	SILICA FLOODED FELDSPAR PORPHYRY Medium grey Massive, foliated in places - 60 deg. TCA 40% coarse, white plagioclase phenocrysts Quartz veins with ankerite @ 90 deg. TCA, 60 deg. TCA and very tiny cross fracturing parallel TCA and approx. 20 deg. TCA Upper contact 45 deg. TCA Lower contact 95 deg. TCA							
		245.7 - 247.7 Highly silicified Ankeritized contact zone Trace disseminated pyrite Epidote fracture filling 1.5' fragment of silicified schist included	11048	244.6	247.7	3.1	.001		
			11049	247.7	251.3	3.6	.007		
			11050	251.3	254.0	2.7	.011		
		259.0 - 259.5 White quartz vein Upper contact 60 deg. TCA Lower contact 85 deg. TCA	11051	254.0	256.0	2.0	.004		
			11052	256.0	258.2	2.2	.011		
			11053	258.2	259.5	1.3	.011		
259.5	322.6	TALC-CHLORITE-SERICITE SCHIST INTERBEDDED WITH PYRITIFEROUS MAGNETITE IRON FORMATION Schist is mildly magnetic Dark green Contains quartz and ankerite injections Pyritiferous zones greenish-grey to pinkish-grey, hard							
		259.5 - 274.5 Schist Trace pyrite	11054	259.5	263.0	3.5	TR		
			11055	263.0	265.8	2.8	NIL		
			11056	265.8	267.8	2.0	NIL		
			11057	267.8	270.6	2.8	NIL		
			11058	270.6	272.7	2.1	NIL		
			11059	272.7	274.5	1.8	.016		

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
259.5	322.6	TALC-CHLORITE-SERICITE SCHIST (Cont'd)							
		274.5 - 275.8 Strongly magnetic IF Foliated 50 deg. TCA Hard Upper and lower contacts 50 deg. TCA 10% disseminated pyrite	11060	274.5	275.8	1.3	.009		
		275.8 - 276.3 Schist 1% pyrite							
		276.3 - 276.8 Hard zone, IF Similar to 274.5 - 275.8 Foliated @ 80 deg. TCA Upper and lower contacts 80 deg. TCA	11061	275.8	277.6	1.8	.002		
		276.8 - 279.3 Schist 1-2% pyrite Contains one inch at zone similar to 276.3 - 276.8	11062	277.6	280.4	2.8	TR		
		279.3 - 279.7 Hard zone, IF Only 1-2% pyrite Upper contact 40 deg. TCA Lower contact 30 deg. TCA Foliated @ 40 deg. TCA Strongly magnetic							
		279.7 - 284.8 Schist	11063	280.4	282.6	2.2	TR		
			11064	282.6	283.3	0.7	.001		
		283.3 - 284.8 Mylonitic zone - abundant ankerite injection	11065	283.3	284.8	1.5	.002		

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
259.5	322.6	TALC-CHLORITE-SERICITE SCHIST (Cont'd)							
		284.8 - 286.9 Pyritiferous zone, IF Strongly magnetic 15% pyrite concentrated in foliation planes along with quartz Foliated approx. 50 deg. TCA Upper and lower contacts 50 deg. TCA	11066	284.8	286.9	2.1	.025		
		286.9 - 288.9 Schist Similar to mylonitic zone @ 283.3 - 284.8 but contains 5% disseminated pyrite	11067	286.9	288.9	2.0	.005		
		288.5 - 289.8 Pyritiferous zone Similar to 284.8 - 286.9	11068	288.9	289.8	0.9	.095*		
		289.8 - 303.8 Schist 1% disseminated pyrite	11069	289.8	293.0	3.2	.003		
		294.6 - 295.0 Pyritiferous zone; non-magnetic Less silicified (less hard) than the other zones, 10% disseminated pyrite Upper contact 20 deg. TCA	11070 11071 11072 11073	293.0 295.2 297.7 300.1	295.2 297.7 300.1 303.3	2.2 2.5 2.4 3.2	.004 .001 .001 .001		
		303.8 - 305.5 Feldspar porphyry? Silicified Beige with black magnetite swirls @ 20 deg. TCA to parallel TCA 10% disseminated pyrite Upper and lower contacts broken up	11074	303.8	305.5	1.7	.009		
		305.5 - 322.5 Schist Dark green							
		309.0 - 310.0 Fault gouge							

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
322.6	333.7	GABBRO Black Fine - medium grained Massive Strongly magnetic	11075	323.8	326.5	2.7	TR		
		325.8 - 325.9 Quartz + ankerite nodule with pyrite blebs							
		326.5 - 329.8 White quartz vein Upper contact 70 deg. TCA Lower contact poorly defined Ankerite included Hematite in fractures Blebs of pyrite included in host rock Some tourmaline	11076	326.5	329.8	3.3	.003		
			11077	329.8	333.7	3.9	.001		
		329.8 - 333.7 Gabbro Silicified Quartz - ankerite veins 80 deg. TCA and 0 deg. TCA Fracturing parallel TCA 1% py cubes Strongly magnetic Lower contact 20 deg. TCA							
333.7	501.6	TALC-CHLORITE-SERICITE SCHIST (ULTRAMAFIC VOLCANIC) Dark greyish green Moderately magnetic 1% disseminated pyrite							
		342.3 - 344.0 Fault gouge - Ground 4'							

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
333.7	501.6	TALC-CHLORITE-SERICITE SCHIST (Cont'd)							
		350.1 - 351.2 Gabbro Non-magnetic Square, white plagioclase phenocrysts - 30% 1 cm square pyrite cubes - 1% Upper contact 30 deg. TCA Lower contact 40 deg. TCA Contacts sharp							
		355.9 - 356.2 Fault gouge							
		356.2 - 367.5 Porphyritic, 30% pyroxene phenocrysts							
		360.8 - 361.3 Fault gouge							
		470.0 - 471.0 Fault gouge							
		479.5 - 481.0 Fault gouge							
		491.0 - 501.5 Broken-up							
		Fracturing parallel TCA as well at 50 deg. TCA	11078	496.3	498.8	2.5	.001		
		More massive down core (less sheared)	11079	498.8	501.6	2.8	.001		
501.6	522.0	FELDSPAR PORPHYRY	11080	501.6	503.7	2.1	.001		
		Pinkish grey	11081	503.7	505.8	2.1	.001		
		Massive	11082	505.8	508.5	2.7	.004		
		40% coarse feldspar phenocrysts	11083	508.5	510.7	2.2	.002		
		Fractured parallel to and @ 50 deg. TCA	11084	510.7	513.2	2.5	.003		
		Some included wall rock which is silicified	11085	513.2	515.5	2.3	.001		
		Upper contact silicified, diffuse	11086	515.5	518.2	2.7	TR		
		Tourmaline and pyrite fill fractures	11087	518.2	520.4	2.2	TR		
		10% disseminated pyrite and blebs of pyrite	11088	520.4	522.0	1.6	.001		
	522.0	END OF HOLE							

RE-LOGGING OF MINERALIZED SECTIONS - JANUARY/90
N.O. WILLOUGHBY

HOLE # FX-8972

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
161.3	190.2	IRON FORMATION, SERICITE-CHLORITE SCHIST					
		11035 - Quartz-ankerite veining/alteration containing 10% iron formation fragments as slivers parallel schistosity Fragments contain 15% py diss., masses; a few diss. in vein material At 165.4 - 165.5 - A narrow band of 20% py	11035	165.2	167.0	1.8	.026
		11037 - Sil, carb and brecciated iron formation with 15-20% diss., masses py, plus some stringers trending slightly oblique to schistosity Some late qtz (porphyry?) veinlets crosscutting at 70 deg., also parallel schistosity, notably at 178.9 Some foliation parallel qtz veining at base with minor py	11037	178.1	179.8	1.7	.650

MINROC MANAGEMENT LIMITED

DRILL LOG - FOURAX II PROPERTY

HOLE NO.: FX-8973 | TOWNSHIP: FOURNIERE, QUE. | CORE SIZE: BQ

COORDINATES: L7+50E, 7+75N | RANGE: X | DRILLED BY: FORAGE MODERNE INC.

COLLAR ANGLE: -50 DEG. | LOT NO.: | DATE STARTED: 01/12/89

LOCATED FROM: BL | CLAIM NO.: 335178-4 | DATE COMPLETED: 06/12/89

AZIMUTH: 205 DEG. | LOGGED BY: N. O. WILLOUGHBY

LENGTH: 965 FT. | PAGE: 1 OF 10

DEPTH	AZIMUTH	ANGLE READ	ANGLE ACTUAL
200 FT.	205		-50 DEG.
400 FT.	205		-54 DEG.
600 FT.	205		-53 DEG.
830 FT.	205		-49 DEG.

REMARKS:

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
0.0	59.0	OVERBURDEN							
59.0	320.8	DIORITE/GABBRO Green - medium grained Massive Generally equigranular Strongly magnetic Feldspars carbonatized; some saussuritized Scattered carbonate veinlets w/ diss. py; various orientations Pyritic carb fractures at 0 deg. TCA, approx. <.5%							
		108.0 - 115.0 Silicified saussuritized w/ 1-3% quartz +/- carbonate veins at 60 deg. TCA w/ 1-2% py blebs; particularly at 111.0 - 113.8	11676	108.0	111.0	3.0	TR		
			11677	111.0	113.8	2.8	.002		
			11678	113.8	115.0	1.2	NIL		
		157.0 - 164.5 Several irregular quartz veins containing massive py stringers, blebs, diss. Especially 157.4 - 157.6/50 deg. TCA, 162.5 - 163.3/25 deg. TCA	11679	157.0	158.0	1.0	NIL		
			11680	158.0	160.0	2.0	NIL		
			11681	160.0	161.5	1.5	NIL		
			11682	161.5	163.5	2.0	TR		
			11683	163.5	164.5	1.0	.001		
		232.4 - 234.4 A shear w/ shear foliation at 40 deg. TCA 1% diss. py							
		245.5 - 246.0 Quartz vein at 80 deg. TCA; no sulfides							
		285.0 - 287.0 Epidotized section							
		312.8 - 313.8 Epidotized w/ quartz-epidote vein at 10 deg. TCA							
320.8	366.0	MAFIC VOLCANIC Aphanitic to fine grained, green; massive Considerable fracturing w/ carb-chlorite +/- pyrite fillings; random orientations Gradual contact w/ overlying unit							

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
366.0	416.6	DIORITE/GABBRO Similar to 59.0 - 320.8 375.0 - 378.5 Shear foliation Some epidotized sections Strongly magnetic							
416.6	578.3	MAFIC VOLCANIC Similar to 320.8 - 365.0; massive, less fractured A few altered pillow selvedges Scattered diss. py, epidote From 531.0 Several flow-breccia sections 553.0 - 553.2 Quartz vein with 3% py stringers at 35 deg. TCA; a pillow selvedge? 596.6 Felsic dyke in shear zone at 40 deg. TCA; Minor diss. py							
578.3	593.9	MAGNETITE IRON FORMATION, VOLCANIC(?) Fine to medium grained Dark green, massive Intensely magnetic Vuggy and pitted (25%) with carbonate etch filling Some carbonate veinlets 1% py stringers associated w/ quartz-carbonate veining, patches; notably at 579.4, 579.7, 584.5, 586.1 N.B. Considerable blocky core with poor recovery	11684 11685 11686 11687 11688 11689 11690 11691 11692 11693	578.3 581.0 583.5 585.5 587.5 590.0 593.9 595.9 597.9 598.5	581.0 583.5 585.5 587.5 590.0 593.9 595.9 597.9 598.5 600.5	2.7 2.5 2.0 2.0 2.5 3.9 2.0 2.0 0.6 2.0	TR NIL NIL NIL NIL NIL NIL NIL NIL NIL		

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
593.9	606.0	LAMINATED IRON FORMATION, MAFIC TUFF	11694	600.5	603.0	2.5	NIL		
		Fine grained, green to dark green	11695	603.0	604.5	1.5	NIL		
		Indistinct laminations and foliation at 60 deg. TCA	11696	604.5	606.0	1.5	TR		
		Moderately carbonatized with 1-2% finely diss. py							
		600.0 - 601.3 Mafic tuff; relatively massive							
606.0	611.9	INTERMEDIATE FELDSPAR PORPHYRY	11697	606.0	607.5	1.5	.002		
		Pinkish grey to grey and light grey	11698	607.5	608.5	1.0	.001		
		Foliated at 50 deg. TCA	11699	608.5	610.0	1.5	NIL		
		Considerable chloritic/host rock as narrow bands	11700	610.0	611.9	1.9	.002		
		Also quartz flooding with several irregular quartz veins parallel foliation							
		1% diss. py mainly concentrated in chloritic/host rock bands							
611.9	619.0	SILICIFIED, PYRITIZED LAMINATED SEDIMENTS AND IRON FORMATION	11701	611.9	613.5	1.6	.004		
			11702	613.5	615.0	1.5	.006		
		Fine grained, green to dark green	11703	615.0	617.0	2.0	.001		.002
		Finely laminated for most part at 60 deg. TCA	11704	617.0	619.0	2.0	.140*	.140*	NIL
		Carbonate/potassic alteration wisps, bands at 613.5 - 614.7, 617.3 - 619.0							
		A few narrow quartz-albite and felsic/albite veins generally with sparse py							
		Up to 5% diss. py overall							
		Some sericite-chlorite schist sections							

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
619.0	621.9	FELDSPAR PORPHYRY, QUARTZ FLOODING ZONE White to pale pinkish brown Intensely quartz flooded to 621.0 (35%) with mainly irregular porphyry and some sediment host rock (fragments) From 621.0 - 5% quartz 5-10% finely diss. py throughout A galena vein at base; trends 50 deg. TCA, parallel foliation Several carb-qtz filled fractures at 0 - 10 deg. TCA, but no sulfide Upper contact 90 deg. TCA Lower contact 60 deg. TCA	11705 11706	619.0 620.5	620.5 621.9	1.5 1.4	.008 .007		.004 .007
621.9	628.7	SILICIFIED, PYRITIZED, LAMINATED SEDIMENTS Similar to 611.9 - 619.0, however less iron formation generally higher degree of carbonatization 5-10% diss. blebs, py 621.9 - 622.6 Potassic alteration 627.7 - 628.7 Intensely chloritic shear with albite 10% py diss. Laminae at 70 - 80 deg. TCA	11707 11708 11709 11710	621.9 623.9 625.7 627.7	623.9 625.7 627.7 628.8	2.0 1.8 2.0 1.1	.280* .079* .081* .190*	.260* .077* .079* .200*	NIL .020 NIL NIL
628.7	655.0	MAFIC-ULTRAMAFIC VOLCANIC, SERICITE-CHLORITE SCHIST Fine grained, green to grey green Schistosity at 60 deg. TCA Moderately sericitized and strongly carbonatized especially at 647.0 - 655.0, where carb blebs, masses impart fragmental nature to rock 10% ankerite-carbonate veining, vein fragments Scattered diss. py							

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
655.0	662.0	ULTRAMAFIC VOLCANIC, SERICITE-CHLORITE SCHIST							
		Fine grained, grey green to bluish grey	11711	660.5	662.0	1.5	.001		
		Variably carbonatized							
		Schistosity at 60 - 70 deg. TCA							
		Siliceous to base							
662.0	665.3	SILICEOUS IRON FORMATION/VOLCANIC	11712	662.0	664.0	2.0	.002		
		Fine grained, dark green	11713	664.0	665.3	1.3	.011		
		Well foliated at 60 deg. TCA							
		Numerous quartz-carbonate +/- albite veins, veinlets							
		at 70 deg. TCA; = 1% of section; usually pyritic							
		A stockwork over last 1 foot with 3% py blebs							
665.3	692.2	SERICITE-CHLORITE SCHIST, MAFIC-ULTRAMAFIC VOLCANIC	11714	665.3	667.3	2.0	TR		
		Similar to 655.0 - 662.0							
		In part may be sediment							
		Scattered quartz-albite +/- ankerite veins and							
		patches	11715	690.2	692.2	2.0	.024	.023	
692.2	696.8	MAGNETITE IRON FORMATION	11716	692.2	693.7	1.5	.646*	.671*	NIL
		Similar to 662.0 - 665.3 with 10 - 15% py over	11717	693.7	694.8	1.1	.026	.025	
		first 1.2 feet	11718	694.8	696.8	2.0	.021		
696.8	725.8	SERICITE-CHLORITE SCHIST	11719	696.8	702.3	5.5	.002		
		Similar to 665.3 - 692.2 with pyritic magnetite iron	11720	702.3	703.7	1.4	.010		
		formation at 702.3 - 703.7, 708.7 - 709.4	11721	703.7	705.7	2.0	.001		
		Scattered quartz-albite veins in schist	11722	705.7	708.7	3.0	.007		
		Schistosity at 60 deg. TCA avg.	11723	708.7	710.7	2.0	.004		
		Scattered diss. py							

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
725.8	759.9	MAFIC VOLCANIC, SERICITE-CHLORITE SCHIST	11724	729.4	731.4	2.0	TR		
		Similar to 628.7 - 655.0	11725	731.4	733.4	2.0	TR		
		With 15-20% ankerite-carb veining, fragments with	11726	733.4	735.9	2.5	.001		
		a few massive sections	11727	735.9	738.0	2.1	TR		
		Schistosity at 70 - 80 deg. TCA	11728	738.0	741.0	3.0	.001		
		Moderately magnetic	11729	741.0	743.5	2.5	TR		
		In part may be sediment	11730	743.5	746.0	2.5	.003		
			11731	746.0	748.0	2.0	.002		
		729.4 - 756.3 5% finely diss. py	11732	748.0	750.0	2.0	.002		
			11733	750.0	751.0	1.0	.001		
			11734	751.0	753.0	2.0	.006		
			11735	753.0	754.5	1.5	.002		
			11736	754.5	756.3	1.8	TR		
			11737	756.3	758.0	1.7	TR		
			11738	758.0	759.9	1.9	NIL		
759.9	807.0	INTERBEDDED LAMINATED IRON FORMATION, SERICITE-CHLORITE SCHIST							
		Finely laminated iron formation at 759.9 - 768.0,	11739	759.9	761.9	2.0	NIL		
		776.0 - 777.0, 789.5 - 792.0 (5 deg. TCA) with	11740	761.9	763.4	1.5	NIL		
		variable py content, IF within mainly sericite-	11741	763.4	765.4	2.0	NIL		
		chlorite schist as described previously	11742	765.4	766.9	1.5	NIL		
		Intensely deformed laminae	11743	766.9	768.0	1.1	NIL		
		In part may be mafic volcanic							
			11744	775.0	778.0	3.0	NIL		
		799.9 - 800.2 Quartz vein parallel schistosity (50 deg. TCA)							
807.0	812.2	SILICIFIED AND VEINED IRON FORMATION, LAMINATED SEDIMENT							
		Similar to preceding unit, however silicified with							
		5-10% diss. blebs py							
		808.5 - 809.0 Quartz flooded	11745	807.0	808.5	1.5	.009		
			11746	808.5	809.4	0.9	NIL		

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
807.0	812.2	SILICIFIED AND VEINED IRON FORMATION, LAMINATED SEDIMENT (Cont'd)							
		809.5 - 810.0 Quartz vein at 70 deg. TCA; fractured with large py cubes in host	11747	809.4	812.2	2.8	.001		
		Over last 1.5 feet, 10-15% quartz-albite veining							
812.2	819.2	QUARTZ VEINED AND QUARTZ FLOODED FELDSPAR PORPHYRY	11748	812.2	814.2	2.0	.003		
		Mainly white to pale light grey quartz vein/flooding	11749	814.2	817.0	2.8	.004		
		with numerous (5%) host rock inclusions to 817.0	11750	817.0	818.0	1.0	.010		
		Host rocks form bands foliated at 60 deg. TCA	11751	818.0	819.2	1.2	.014		
		Sparse py, usually in inclusions							
		817.0 - 819.2 Pale grey to pale grey green quartz flooded porphyry and host rock							
		With 2-3% finely diss. py							
		Up to 5% py over last foot in pale grey green							
		sericitized, silicified host rock and pale							
		pinkish grey green porphyry							
		Numerous fractures at 0 deg. TCA throughout							
819.2	825.5	QUARTZ VEINED SERICITE-CHLORITE SCHIST	11752	819.2	822.5	3.3	.032		
		Similar to 807.0 - 812.2, however no iron formation	11753	822.5	825.5	3.0	.015		
		Scattered diss. py							
		2-3% quartz +/- albite vein material from 820.0							
825.5	846.0	QUARTZ VEIN	11754	825.5	827.5	2.0	.009		
		White and generally massive with 1% inclusions of	11755	827.5	830.0	2.5	.001		
		sediment - volcanic of many sizes	11756	830.0	832.0	2.0	.003		
		Up to 1% scattered flecks, prisms of fuchsite tourmaline	11757	832.0	834.5	2.5	.001		
		Tourmaline veins at 45 deg. TCA here and there	11758	834.5	836.5	2.0	.001		
			11759	836.5	839.0	2.5	TR		

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
825.5	846.0	QUARTZ VEIN (Cont'd)							
		825.5 - 830.7 Numerous grains of galena, py +/- cp	11760	839.0	841.0	2.0	NIL		
			11761	841.0	842.5	1.5	NIL		
		832.0 - 834.2 70% inclusions of pyritic sediment/schist	11762	842.5	844.0	1.5	TR		
			11763	844.0	845.0	1.0	NIL		
		844.0 - 846.0 Several angular porphyry fragments	11764	845.0	846.0	1.0	NIL		
846.0	900.6	QUARTZ FLOODED FELDSPAR PORPHYRY	11765	846.0	847.0	1.0	.012		
		Pale grey green to light brownish/pinkish grey with	11766	847.0	849.7	2.7	.005		
		numerous sediment/volcanic inclusions, variously	11767	849.7	850.7	1.0	.012		
		assimilated	11768	850.7	852.8	2.1	NIL		
		1-3% diss. py, locally to 5%	11769	852.8	854.3	1.5	.023		
		Strongly to moderately foliated at 60 deg. TCA	11770	854.3	856.0	1.7	.010		
			11771	856.0	858.0	2.0	.011		
		847.0 - 849.7 Pale grey green previously sericitized	11772	858.0	860.0	2.0	.012		
		and reddish brown, brownish grey pervasive	11773	860.0	862.0	2.0	.021		
		potassic alteration	11774	862.0	863.0	1.0	.082*	NIL	
			11775	863.0	864.5	1.5	.020		
		With orange brown filled fractures at 0 deg.,	11776	864.5	866.0	1.5	.020		
		45 deg. TCA	11777	866.0	868.0	2.0	.004		
		3% diss. py	11778	868.0	869.5	1.5	.001		
		Several later white quartz veins parallel foliation	11779	869.5	872.0	2.5	.016		
			11780	872.0	874.0	2.0	.018		
		849.7 - 850.3 Silicified pyritic sediment	11781	874.0	876.0	2.0	.012		
			11782	876.0	878.5	2.5	.013		
		850.3 - 852.8 White quartz vein with some fuchsite,	11783	878.5	880.6	2.1	.006		
		porphyry inclusions	11784	880.6	882.0	1.4	.063*	TR	
			11785	882.0	883.5	1.5	.002		
		856.0 - 863.0 20% quartz flooding, stockwork	11786	883.5	886.0	2.5	.001		
			11787	886.0	887.5	1.5	.001		
		863.0 - 866.0 Medium grained equigranular light grey	11788	887.5	889.5	2.0	.005		
		green intermediate intrusive at 90 deg.	11789	889.5	891.5	2.0	.008		
		TCA with 3% diss. py	11790	891.5	893.5	2.0	.006		
			11791	893.5	895.0	1.5	.002		

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
846.0	900.6	QUARTZ FLOODED FELDSPAR PORPHYRY (Cont'd)							
		From 891.0 Quartz flooding as at 856.0 - 863.0	11792	895.0	897.0	2.0	.007		
		Significant host rock volcanic/sediment sections at	11793	897.0	899.0	2.0	.003		
		854.3 - 856.0 (tourmaline veining to base),	11794	899.0	900.6	1.6	.013		
		878.5 - 880.6, 883.6 - 886.7, 894.0 - 895.0							
900.6	904.7	SERICITE-CHLORITE SCHIST	11795	900.6	901.6	1.0	TR		
		Similar to 655.0 - 622.0 with schistosity at	11796	901.6	903.1	1.5	.002		
		40 deg. to 0 deg. TCA	11797	903.1	904.7	1.6	.001		
		With 3% blebs and finely diss. py							
904.7	914.3	FELDSPAR PORPHYRY	11798	904.7	906.0	1.3	.009		
		Similar to 846.0 - 900.6, but less quartz flooding,	11799	906.0	907.3	1.3	.002		
		pinker in colour	11800	907.3	910.1	2.8	.002		
			11801	910.1	912.1	2.0	.004		
		907.3 - 910.1 Sericite-chlorite schist	11802	912.1	914.3	2.2	.006		
914.3	965.0	ULTRAMAFIC VOLCANIC, SERICITE-CHLORITE +/- TALC SCHIST							
		Fine grained light grey to light bluish grey							
		Variably carbonatized with 1-5% carb-ankerite							
		patches, veinlets							
		Scattered diss, blebs py							
		Schistosity avgs. 50 deg. TCA							
	965.0	END OF HOLE							

RE-LOGGING OF MINERALIZED SECTIONS - JANUARY/90
N.O. WILLOUGHBY

HOLE # FX-8973

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
611.9	619.0	SIL, PYRITIZED LAMINATED SEDIMENTS (SHEARED VOLCANICS)					
		11704 - 1-3% scattered qtz and/or porphyry veinlets, especially last foot; 5-15% diss. py; at 618.3 - 619.6 - main pyrite concentration, all schistosity parallel A couple of narrow quartz-carb. veins at 5 deg. TCA at 618.5	11704	617.0	619.0	2.0	.140
621.9	628.7	SIL LAMINATED SEDIMENTS					
		11707 - 15% narrow quartz-albite and ankerite veins, schistosity parallel and elliptical patches Host rock sil +/- carb with 10-15% diss. masses py +/- bands Several narrow qtz-carb veins at 5 deg. TCA, no apparent sulphides Some of vein material = porphyry Sulphides both in host and vein material I see some offsetting of the 5 deg. vein set at 622.4 about a foliation parallel albite/porphyry vein	11707	621.9	623.9	2.0	.200
		11708 - Similar to 11707 - Less vein/alteration, py; more sedimentary looking 824.4 - large carb mass/vein with py blebs	11708	623.9	625.1	1.2	.079
		11709 - Finely laminated and biotitic sediment, with 5-8% diss., cubes py	11709	625.7	627.7	2.0	.081
		11710 - Similar to 11709 with some ank-carb veining and chlorite/sericite to base	11710	627.7	628.8	1.1	.190

RE-LOGGING OF MINERALIZED SECTIONS

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
665.3	692.2	SERICITE-CHLORITE SCHIST, MAFIC-ULTRAMAFIC VOLCANIC					
		11715 - Somewhat biotitic, sheared with 2% diss. py	11715	690.2	692.2	2.0	.024
692.2	696.8	MAGNETITE IRON FORMATION					
		11716 - Silicified with 3% quartz-ankerite +/- carb. veinlets, bands, with up to 20% pyrite as diss. and contain bands comprising 20% of sample section A 2" biotitic contact containing 15% diss. py with overlying unit	11716	692.2	693.7	1.5	.646

MINROC MANAGEMENT LIMITED

DRILL LOG - FOURAX II PROPERTY

HOLE NO.: FX-8974
TOWNSHIP: FOURNIERE, QUE.
CORE SIZE: BQ

COORDINATES: L10+00E
8+75N
RANGE: X
DRILLED BY: FORAGE MODERNE INC.

COLLAR ANGLE: -50 DEG.
LOT NO.:
DATE STARTED: 07/12/89

LOCATED FROM: BL
CLAIM NO.: 335178-4
DATE COMPLETED: 12/12/89

AZIMUTH: 205 DEG.
LOGGED BY: L. MELCHIORRE,
N.O. WILLOUGHBY

LENGTH: 1,181 FT.

PAGE: 1 OF 15

DEPTH	AZIMUTH	ANGLE READ	ANGLE ACTUAL
400 FT.	205		-47 DEG.
800 FT.	205		-42 DEG.
1,023 FT.	205		-45 DEG.
1,181 FT.	205		-48 DEG.

REMARKS:

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
0.0	72.0	OVERBURDEN							
72.0	240.7	MAFIC-ULTRAMAFIC VOLCANIC Greenish black to medium green Massive, fine grained Coarse, randomly oriented amphibole and magnetic in first four feet							
		122.0 - 148.0 Gradually becomes medium grained, strongly magnetic, 1-2% disseminated and blebs pyrite, locally Pervasive epidote alteration							
		148.0 - 240.7 Moderately sheared @ 40 deg. TCA Medium green Fine grained Quartz + calcite + epidote veinlets @ 40 deg. TCA Pyritiferous horizons							
		150.0 - 153.0 Veins of qtz + carb + tourmaline + bleb of pyrite + chalcopyrite	11089	150.0	153.0	3.0	.026		
		215.4 - 229.0 Considerable quartz + epidote + calcite injection - 40 deg. TCA, 0 deg. TCA 15% blebs pyrite locally	11090	216.0	219.4	3.4	NIL		
			11091	219.4	223.3	3.9	NIL		
			11092	223.3	226.3	3.0	NIL		
			11093	226.3	229.8	3.5	TR		
			11094	229.8	232.3	2.5	NIL		
240.7	445.5	MAGNETIC GABBRO Upper contact 40 deg. TCA Fine to medium grained (fine near upper contact) Massive Greenish black Moderate amount of quartz, calcite, epidote veinlets - 40 deg. TCA Pyrite associated with some veinlets Fractures @ 40 deg. TCA							

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
240.7	445.5	MAGNETIC GABBRO (Cont'd)							
		354.9 - 355.0 Greyish white quartz vein 40 deg. TCA with blebs of pyrite, chalcopyrite, magnetite, galena	11095	353.1	355.7	2.6	NIL		
		356.0 - 359.2 Quartz + calcite + epidote + tourmaline	11096	355.7	359.4	3.7	.031	.080*	
		Contains blebs of pyrite, chalcopyrite, lots of veined galena and graphite	11097	359.4	362.6	3.2	.002		
		Brecciated, fractured							
		Upper and lower contacts 40 deg. TCA							
		Lower contact gradational							
445.5	680.0	MAFIC VOLCANIC							
		Fine grained, dark green to dark grey							
		Some areas porphyritic - 10% plagioclase phenocrysts							
		Pillow selvedges							
		Moderate foliation approx. 40 deg. TCA							
		461.0 - 461.4 Qtz + calcite + tour vein - 40 deg. TCA	11098	457.8	461.0	3.2	NIL		
			11099	461.0	462.6	1.6	NIL		
			11100	462.6	465.5	2.9	NIL		
		461.8 - 462.6 Qtz + calcite + tourmaline vein 20 deg. TCA							
		Trace chalcopyrite	11351	474.9	477.4	2.5	.002		
			11352	477.4	480.3	2.9	.011		
		476.7 - 484.4 Magnetic area	11353	480.3	483.2	2.9	.021	TR	
		Quartz + calcite veins and veinlets, variable direction	11354	483.2	485.5	2.3	.005		
		Associated blebs pyrite, trace chalcopyrite							
		492.7 - 493.1 Quartz + calcite vein parallel TCA							

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
445.5	680.0	MAFIC VOLCANIC (Cont'd)							
		580.0 - 640.0 Remnant brecciated zone							
		594.0 - 594.5 Quartz + calcite vein 20 deg. TCA							
		648.0 - 649.5 Quartz-calcite injection - 40 deg. TCA Disseminated pyrite approx. 5%							
680.0	689.7	MAGNETITE IRON FORMATION							
		Black	11355	680.0	682.5	2.5	NIL		
		Fine grained, massive, broken up	11356	682.5	685.0	2.5	NIL		
		Vuggy	11357	685.0	687.5	2.5	TR		
		Calcite alteration	11358	687.5	689.7	2.2	NIL		
		1-2% disseminated pyrite							
		Carbonate-albite veins - 40 deg. TCA with py blebs							
		Strongly magnetic							
		Upper contact sharp 60 deg. TCA							
		Lower contact broken up, approx. 55 deg. TCA							
689.7	714.3	INTERBEDDED LAMINATED SEDIMENTS/TUFF AND IRON FORMATION							
		689.2 - 691.0 Chlorite-sericite altered	11359	689.7	692.0	2.3	NIL		
		Fine grained, dark green	11360	692.0	694.5	2.5	TR		
		Rather soft	11361	694.5	697.0	2.5	NIL		
		Non-magnetic	11362	697.0	699.0	2.0	TR		
		Lower contact broken up	11363	699.0	701.5	2.5	.002		
			11364	701.5	703.5	2.0	.002		
		691.0 - 694.7 Sericite-chlorite altered	11365	703.5	705.5	2.0	.012		
		Fine grained	11366	705.5	708.0	2.5	.018		
		Light - medium green	11367	708.0	710.0	2.0	.007		
		Rather soft	11368	710.0	712.0	2.0	.004		
		Moderately magnetic	11369	712.0	714.3	2.3	.061*		
		Moderately strong foliation - 50 deg. TCA							

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
689.7	714.3	INTERBEDDED LAMINATED SEDIMENTS/TUFF + IRON FORMATION (CONT'D)							
		694.7 - 699.0 Coarser tuff, magnetic							
		Remainder of section mainly laminated iron formation with thin chlorite/tuff sections A few narrow carbonate bands, patches throughout Mainly py concentrations in IF (5-10%) which is also silicified; laminations at 60 - 70 deg. TCA							
714.3	715.6	FELDSPAR PORPHYRY AND QUARTZ VEINING							
		714.3 - 715.1 Light reddish brown to grey feldspar porphyry with 3% diss. py at 90 deg. TCA; some quartz flooding	11370	714.3	715.6	1.3	.004		
		715.1 - 715.6 White quartz vein with several volcanic inclusions lineated at 80 deg. TCA; py only in inclusions							
715.6	745.4	ULTRAMAFIC-MAFIC VOLCANIC	11371	715.6	717.6	2.0	NIL		
		Fine grained to very fine grained, green to grey green							
		Foliated-schistose at 60 deg. TCA (sericite-chlorite)							
		Talcose in places	11372	722.3	724.8	2.5	.002		
		With up to 25% carbonate-ankerite veining at	11373	724.8	725.6	0.8	.002		
		715.6 - 732.0, 752.9 - 754.4	11374	725.6	728.0	2.4	.003		
		Up to 1% diss. py	11375	728.0	730.0	2.0	.002		
			11376	730.0	731.7	1.7	.001		
		722.3 - 731.7 Considerable quartz +/- albite veining, fracture vug fillings Notable veins at 722.3 - 722.5 (90 deg. TCA) 724.3 - 724.6 (90 deg. TCA) 726.8 - 727.2, 754.2 - 754.4							

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
745.4	748.0	QUARTZ VEIN AND FLOODED BRECCIATED ULTRAMAFIC VOLCANIC First 0.5 ft., white quartz vein (70 deg. TCA) followed by brecciated and quartz flooded ultramafic volcanic Strong foliation at 60 - 70 deg. TCA Only 20 - 30% volcanic material Sparse sulphides Lower contact 80 deg. TCA	11377	745.4	748.0	2.6	.001		
748.0	761.5	ULTRAMAFIC-MAFIC VOLCANIC Similar to 715.6 - 745.4 10-15% ankerite-carbonate veining, some minor quartz veining, flooding Foliation/schistosity 60 deg. TCA 759.5 - 759.8 White quartz vein parallel schistosity							
761.5	767.6	QUARTZ VEINED AND SILICIFIED ULTRAMAFIC-MAFIC VOLCANIC Similar to 745.4 - 748.0 with pervasive silicification/ flooding of host volcanic With up to 5% diss. py, mainly in volcanic Approx. 25% quartz vein material as narrow bands parallel foliation (70 - 80 deg. TCA) and larger veins with host rock inclusions Over last 6", may be porphyry Upper and lower contacts conformable Some crosscutting quartz-filled fractures at 45 deg. TCA	11378 11379 11380	761.5 763.0 765.0	763.0 765.0 767.6	1.5 2.0 2.6	TR TR .006		
767.6	768.9	SILICIFIED, MINERALIZED MAFIC VOLCANIC Green and greyish green, fine grained with 10-15% quartz +/- albite veins parallel foliation (70 deg. TCA) Contains 15-20% diss. py Intensely silicified	11381	767.6	768.9	1.3	.240*	.080*	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
768.9	788.7	MAGNETITE IRON FORMATION	11382	768.9	770.4	1.5	.085*		
		Green and dark green, fine grained, generally	11383	770.4	772.9	2.5	.022		
		finely laminated at 70 deg. TCA, although discontinuous	11384	772.9	774.9	2.0	.005		
		Extremely siliceous/silicified	11385	774.9	777.0	2.1	.022		
		5-10% quartz +/- carbonate bands, veins + patches,	11386	777.0	779.0	2.0	.076*	.085*	
		especially over first foot	11387	779.0	781.0	2.0	.120*	.110*	.020
		Quartz flooding in brecciated host at 786.0 - 788.7	11388	781.0	783.0	2.0	.100*	.100*	.020
		5-10% diss. py at 768.0 - 770.0, 777.0 - 786.0	11389	783.0	784.4	1.4	.031	.033	
		In part may be volcanic, especially from 786.0,	11390	784.4	787.0	2.6	.033		
		similar to 745.4 - 748.0	11391	787.0	789.5	2.5	.002		
788.7	821.1	ULTRAMAFIC-MAFIC VOLCANIC							
		Similar to 748.0 - 761.5							
		With brecciation and quartz flooding at 788.7 - 789.5,							
		similar to 745.4 - 748.0							
		Somewhat more massive from 807.0							
		Minor ankerite-carbonate veining, sparse py							
821.1	828.7	CHLORITE-SERICITE SCHIST, LAMINATED SEDIMENTS							
		Green to grey green with some narrow laminated sections							
		which are deformed							
		Strong schistosity at 40 deg. TCA							
		Minor scattered py							
		May in part be ultramafic volcanic							
		A few narrow carbonate laminae or veins							
		Somewhat magnetic							
828.7	833.5	ULTRAMAFIC VOLCANIC							
		Similar to 788.7 - 821.1 with 20% carbonate +/- quartz							
		veining over first foot + trend 0 deg. TCA							
		In general, well developed schistosity at 50 deg.							
		TCA avg.							
		Sparse sulphide							

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
833.5	879.8	SERICITE-CHLORITE SCHIST WITH SOME INTERBEDDED LAMINATED SEDIMENTS AND IRON FORMATION Green to grey, finely laminated to schistose Variable schistosity, but avg. 70 deg. TCA Numerous laminated sections, sheared at 0 deg. TCA, notably 858.0 - 859.0, 877.8 - 878.8 Scattered, deformed carbonate-ankerite veins suggest some possibly ultramafic volcanic							
			11392	847.0	848.5	1.5	.003		
		848.8 - 849.5 Silicified IF (?) with 3% diss. py	11393	848.5	849.5	1.0	.002		
			11394	849.5	851.0	1.5	.006		
		853.0 - 855.2 Quartz veining and flooding into fractured, brecciated host rock	11395	851.0	853.0	2.0	.001		
			11396	853.0	855.2	2.2	.004		
		876.5 - 877.0 Pale reddish-brown potassic altered feldspar porphyry with silicified host rock, minor diss. py	11397	876.0	877.0	1.0	TR		
			11398	877.0	879.8	2.8	.027	.018	TR
879.8	888.9	INTENSELY SILICIFIED AND MINERALIZED MAGNETITE IRON FORMATION AND LAMINATED SEDIMENTS Grey to grey green, finely laminated Mainly iron formation with some sericite-chlorite schist at 886.0 - 887.0 Laminations at 70 deg. TCA (to 886.0) to 90 deg. TCA (886.0 - 888.9) With 10-15% diss., masses and stringers of py to 882.6, 2-3% to end of section Several crosscutting carb-quartz veinlets at 50 deg., 30 deg. TCA 3% quartz-albite irregular veins, patches (porphyry?) Previously moderately carbonatized	11399	879.8	881.8	2.0	.310*	.290*	.050*
			11400	881.8	883.8	2.0	.010	.013	TR
			11401	883.8	886.0	2.2	TR		
			11402	886.0	887.0	1.0	TR		
			11403	887.0	888.9	1.9	.009		

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
888.9	892.4	CHLORITE-SERICITE SCHIST Similar to 833.5 - 879.8 with schistosity at 80 deg. TCA Some deformation Quartz +/- albite and ankerite veining to base 1-2% diss. py In part may be volcanic	11404	888.9	892.4	3.5	.006		
892.4	894.2	FELDSPAR PORPHYRY Grey to light brownish grey; massive and siliceous Intruding/flooding laminated sediments which show as assimilated "ghosts" With 15-20% finely diss. py Contacts at 75 deg. TCA	11405	892.4	894.2	1.8	.006		
894.2	896.0	SILICIFIED IRON FORMATION Similar to 879.8 - 888.9 with 1-3% diss. py Laminated at 80 - 90 deg. TCA 1% quartz +/- albite veining, no py	11406	894.2	896.0	1.8	.003		
896.0	909.0	QUARTZ VEINED SERICITE-CHLORITE SCHIST, ULTRAMAFIC VOLCANIC (?) Fine grained, green to greyish green, bluish grey schistosity at 70 - 80 deg. TCA With 5 - 10% carbonate-ankerite veins, patches from 903.8 Also 20% white quartz veining, generally parallel schistosity; veins particularly abundant from 899.0 Scattered diss. py, mainly in schist	11407 11408 11409 11410 11411 11412	896.0 899.0 901.2 902.9 904.4 905.8	899.0 901.2 902.9 904.4 905.8 909.0	3.0 2.2 1.7 1.5 1.4 3.2	NIL NIL .002 .006 .004 .005		
		904.5 - 905.5 Quartz flooding with 5% diss. py							

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
909.0	914.5	BLUE-GREY QUARTZ VEIN OR PORPHYRY ZONE	11413	909.0	910.5	1.5	.085*	TR	
		Generally massive with a few scattered feldspar or	11414	910.5	912.0	1.5	.065*	TR	
		albite inclusions	11415	912.0	914.5	2.5	.026	TR	
		With 10 -15% irregular pyritic sericite-chlorite schist, iron formation inclusions							
		Minor diss. py in quartz							
		Numerous fractures at 50 deg. TCA in quartz							
		Upper contact 60 deg. TCA, lower contact 30 deg. TCA							
914.5	921.7	QUARTZ VEINED PYRITIC SEDIMENT	11416	914.5	916.8	2.3	.110*	.093*	.070*
		Strongly foliated silicified laminated sediment injected	11417	916.8	918.5	1.7	.190*	.160*	.160*
		by 15% blue-grey quartz veining as at 909.0 - 914.5	11418	918.5	920.5	2.0	.260*	.250*	.100*
		Foliation at 30 deg. to 0 deg. TCA	11419	920.5	921.7	1.2	.340*	.310*	.160*
		Host sediment with 20% diss. +/- stringers py							
		Some diss. py in veining							
		A few chlorite-carbonate +/- quartz veinlets crosscutting at 45 - 50 deg. TCA							
921.7	929.0	QUARTZ VEIN							
		Generally massive white quartz vein with several	11420	921.7	923.7	2.0	.006		
		foliated volcanic or sediment inclusions	11421	923.7	925.7	2.0	.008		
		Generally sparse sulphides	11422	925.7	927.2	1.5	.003		
			11423	927.2	929.0	1.8	TR		
		921.7 - 922.7 Blue-grey quartz							
		Upper contact 70 deg. TCA, lower contact 70 deg. TCA							
929.0	930.2	FELDSPAR PORPHYRY							
		Pale brownish to greyish	11424	929.0	932.2	3.2	.010		
		Some quartz flooding							
		2% diss. py							

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
930.2	952.2	VEINED ULTRAMAFIC VOLCANIC							
		Grey green to bluish grey green, fine to medium grained	11425	932.2	934.0	1.8	.005		
		Schistose to massive	11426	934.0	935.9	1.9	.004		
		Schistosity variable; at 930.2 - 933.2 - 0 deg. TCA Avg. 50 deg. TCA	11427	935.9	937.9	2.0	TR		
		930.2 - 934.0 5% carbonate veins, 1% quartz veins, generally at 0 deg. TCA							
		933.5 - 934.0 White qv at 80 deg. TCA							
		934.0 - 935.9 Feldspar porphyry at 0 deg. TCA; similar to 929.0 - 930.2; 1-2% py							
		Crosscutting ankerite-quartz veinlets at 30 deg. TCA							
		941.7 - 942.3 Feldspar porphyry at 45 deg. TCA Similar to 929.0 - 930.2							
952.2	957.5	FELDSPAR PORPHYRY (INTERMEDIATE)	11428	952.2	954.0	1.8	.012		
		Light grey to pale grey, relatively massive	11429	954.0	955.5	1.5	.005		
		With 15% pale green rounded to equant pyroxene (?) phenocrysts, 30% feldspar phenocrysts	11430	955.5	957.5	2.0	.005		
		5-10% diss. py							
		Some later quartz flooding at 0 deg. TCA; blue-grey quartz							
		Upper contact 40 deg. TCA, lower contact 50 deg. TCA							
		Host rock not silicified							
957.5	968.7	ULTRAMAFIC VOLCANIC, SERICITE-CHLORITE SCHIST	11431	957.5	959.5	2.0	.002		
		Greyish green to bluish-greyish green, fine grained	11432	959.5	962.5	3.0	.002		
		3-5% irregular carbonate veins	11433	962.5	965.5	3.0	.002		
		Schistosity/foliation at 50 - 60 deg. TCA	11434	965.5	968.7	3.2	.006		
		1-2% diss. py							
		In part may be sediment							

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
968.7	972.0	FELDSPAR PORPHYRY (MAFIC-INTERMEDIATE) Similar to 952.2 - 957.5 Generally darker in color (more assimilation?) and with 3-5% diss. py Some quartz flooding at 970.7 - 972.0	11435 11436	968.7 970.7	970.7 972.0	2.0 1.3	.002 .049*	 TR	
972.0	1005.0	SERICITE-CHLORITE SCHIST, ULTRAMAFIC VOLCANIC Similar to 957.5 - 968.7 Variable schistosity orientation, avgs. 50 deg. TCA Minor diss. py In part may be sediment 999.0 - 1001.0 30% ankerite-carbonate veining; sparse py							
1005.0	1037.6	SERICITE-CHLORITE SCHIST WITH INTERBEDDED LAMINATED SEDIMENTS AND IRON FORMATION Green to grey green, generally schistose at 55-60 deg. TCA Some deformed laminated sections 1017.3 - 1018.5 Quartz veined and silicified zone with 3-5% diss. py 1036.1 - 1037.6 Pyritic iron formation (5% py)	11437 11438	1016.0 1036.0	1019.0 1037.6	3.0 1.6	.120* .040	.110* NIL	.020
1037.6	1050.0	ULTRAMAFIC-MAFIC VOLCANIC Similar to 748.0 - 761.5 Variably silicified, especially at 1043.0 - 1047.4 Minor scattered diss. py 1049.0 - 1050.0 15% quartz vein, flooding and silicification	11439	1049.0	1050.0	1.0	.005		

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
1050.0	1058.6	SILICIFIED/MINERALIZED IRON FORMATION AND SEDIMENT/TUFF	11440	1050.0	1052.0	2.0	.180*	.180*	NIL
		Fine grained, dark grey green to green	11441	1052.0	1054.0	2.0	.300*	.260*	.020
		Poorly laminated, however well foliated at 60 - 70	11442	1054.0	1056.0	2.0	.695*	.600*	.080*
		deg. TCA	11443	1056.0	1057.5	1.5	.870*	.079*	NIL
		Also previously moderately carbonatized	11444	1057.5	1058.6	1.1	.150*	.130*	NIL
		15-20% diss, masses and stringers of py							
		Some carbonate veinlets parallel and crosscutting foliation							
		Strongly magnetic to 1053.0, tuffaceous-looking to 1058.6 with several irregular carbonate altered lapilli-like fragments							
1058.6	1076.5	INTERBEDDED IRON FORMATION AND LAMINATED TUFF	11445	1058.6	1061.1	2.5	.025	.040	
		Fine grained, green to grey green; siliceous	11446	1061.1	1063.0	1.9	.006		
		Finely laminated for most part at 50 deg. TCA	11447	1063.0	1065.5	2.5	.002		
		Some carbonate alteration	11448	1065.5	1068.0	2.5	.001		
		A few coarser tuffaceous bands	11449	1068.0	1070.5	2.5	.002		
		Moderately to strongly magnetic	11450	1070.5	1073.0	2.5	NIL		
		Avg. 1% or less diss. py	11451	1073.0	1075.0	2.0	TR		
		Considerable felsic material/potash alteration as veinlets, stringers from 1063.0	11452	1075.0	1076.5	1.5	TR		
1076.5	1085.4	MAGNETITE IRON FORMATION	11453	1076.5	1078.5	2.0	TR		
		Fine grained grey to grey green	11454	1078.5	1081.0	2.5	TR		
		Strongly foliated to laminated at 70 deg. TCA	11455	1081.0	1083.0	2.0	.001		
		With 1-5% scattered carbonate-albite/potash altered bands, stringers and veinlets	11456	1083.0	1085.4	2.4	NIL		
		1-2% finely diss. py							
		Some carb veins at 0 deg. TCA							

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
1085.4	1090.6	BRECCIATED MAFIC VOLCANIC Fine grained, green Foliated at 50-60 deg. TCA 1-5% carb +/- felsic veins, stringers parallel foliation Minor diss. py Some weak silicification Brecciated to base with lower contact at 20 deg. TCA	11457	1085.4	1087.9	2.5	NIL		
			11458	1087.9	1089.9	2.0	NIL		
			11459	1089.9	1090.9	1.0	.003		
1090.6	1111.0	ALTERED, MINERALIZED PORPHYRY Fine grained - aphanitic, apparently massive pale orange brown to pale reddish brown and salmon porphyry Intensely potash and hematite altered Strongly fractured at various orientations. Notably 45 - 60 deg. TCA; frequently albite-carbonate and/or chlorite filled Chlorite slivers, approx. 1% may be host rock fragments From 1102.0, 1% white and grey quartz veins at 80 deg. TCA 1-3% py blebs, masses generally found in fractures and at fracture intersections	11460	1090.9	1094.0	3.1	.015		
			11461	1094.0	1096.5	2.5	.006		
			11462	1096.5	1098.5	2.0	.017		
			11463	1098.5	1100.0	1.5	.018		
			11464	1100.0	1102.0	2.0	.011		
			11465	1102.0	1104.0	2.0	.031		
			11466	1104.0	1106.0	2.0	.010		
			11467	1106.0	1108.0	2.0	.010		
			11468	1108.0	1110.0	2.0	.023	NIL	
			11469	1110.0	1111.0	1.0	.016		
1111.0	1113.0	MAFIC VOLCANIC, SHEAR Dark green, fine grained with shear foliation at 40 deg. TCA With 3% py blebs, carb stringers Upper and lower contacts at 40 deg. TCA	11470	1111.0	1113.0	2.0	.025		

FROM FT.	TO FT.	DESCRIPTION
1113.0	1153.3	FELSIC FELDSPAR PORPHYRY Fine to medium grained, beige to pale pink, pale salmon With up to 65% white feldspar phenocrysts imparting medium equigranular aspect to the rock Some weak foliation at 40 deg. TCA in places; also massive With 15% scattered irregular chlorite +/- pyrite intergranular material 5% diss. py blebs, clots, frequently intergranular; some associated with fractures Chlorite-filled fractures at 45 deg., 70 deg. TCA
1153.3	1181.0	MONZONITE OR COARSE FELDSPAR PORPHYRY Grey to pinkish grey, medium grained With 60-70% feldspar, 5-10% quartz (interstitial to intergranular) Scattered saussurite/sericite flecks Up to 10-15% amphibole/chlorite 2-5% diss. py Possibly represents a less altered porphyry
	1181.0	END OF HOLE

SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T	CK ASSAY AU OZ/T
11471	1113.0	1115.5	2.5	.003		
11472	1115.5	1118.0	2.5	.002		
11473	1118.0	1120.5	2.5	.002		
11474	1120.5	1123.0	2.5	.002		
11475	1123.0	1125.5	2.5	.002		
11476	1125.5	1128.0	2.5	.003		
11477	1128.0	1131.0	3.0	.007		
11478	1131.0	1133.0	2.0	.028		
11479	1133.0	1135.5	2.5	.004		
11480	1135.5	1138.0	2.5	.002		
11481	1138.0	1140.5	2.5	.140*	.180*	
11482	1140.5	1142.0	1.5	.038		
11483	1142.0	1144.5	2.5	.020		
11484	1144.5	1147.0	2.5	.017		
11485	1147.0	1149.5	2.5	.027		
11486	1149.5	1151.0	1.5	.006		
11487	1151.0	1153.3	2.3	.009		
11488	1153.3	1155.8	2.5	.010		
11489	1155.8	1158.3	2.5	.005		
11490	1158.3	1161.0	2.7	.004		
11491	1161.0	1163.5	2.5	TR		
11492	1163.5	1166.0	2.5	.001		
11493	1166.0	1168.5	2.5	.001		
11494	1168.5	1171.0	2.5	.004		
11495	1171.0	1173.5	2.5	.005		
11496	1173.5	1176.0	2.5	.002		
11497	1176.0	1178.5	2.5	.007		
11498	1178.5	1181.0	2.5	.003		

RE-LOGGING OF MINERALIZED SECTIONS - JANUARY/90
N.O. WILLOUGHBY

HOLE # FX-8974

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
767.6	768.9	MAFIC VOLCANIC OR TUFF Chl., sil with 5-10% narrow qv +/- albite sub-parallel schistosity					
		11381 - Contains 20% diss. py mainly in host, but also in veins; some veins may be porphyry Very few crosscutting features, but a vague shear with py +/- qtz in some places A quartz vein at either end of section; top, 3" with 2% py; lower end 1.5", some py at fringe with host	11381	767.6	768.9	1.3	.240
768.9	788.7	MAGNETITE IRON FORMATION					
		11382 - Similar appearance to above, magnetic, 10-15% py with some qtz flooding, veining at 769.5 - 769.7; irregular, but parallel schistosity with some pyrite and tourm. inclusions	11382	768.9	770.4	1.5	.085
		11387 - Similar to above with up to 20% py at 779.2, 780.0 - 780.6 Some veining, but also 5% qtz +/- carb flooding In part, looks more like sheared diorite; not quite as magnetic Some pervasive carb, probably more carb than previously noted A weak crosscutting (foliation) feature	11387	779.0	781.0	2.0	.120
		11388 - Considerably more quartz-carb over first foot	11388	781.0	783.0	2.0	.100

RE-LOGGING OF MINERALIZED SECTIONS

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
833.5	879.8	SERICITE-CHLORITE SCHIST, LAMINATED SEDIMENT	11398	877.0	879.8	2.8	.027
		11398 - Extremely chloritic, in part talcose Some carb-ankerite veinlets 1-2% finely diss. py at 878.7 - 879.0 A narrow porphyry at 876.5 - 872.0 Pyritic IF below					
879.8	888.9	SIL MAGNETITE IRON FORMATION					
		11399 - Also strongly carb +/- quartz, approx. 60% Somewhat brecciated with no continuous laminae With 15% diss., blebs and irregular masses py; several narrow massive py veinlets, stringers crosscutting at 88-90 deg. TCA approx. 2% Some scattered po or aspy - very small A few qtz veinlets at 15-20 deg. TCA with some traces cp, py Some irregular quartz-carb patches with py included	11399	879.8	881.8	2.0	.310
		11400 - Similar to above however less sulphide, no crosscutting veinlets Somewhat more regular laminae	11400	881.8	883.8	2.0	.010
909.0	914.4	BLUE-GREY QUARTZ VEIN OR PORPHYRY					
		11413 - At 909.0 - 909.8 - Massive qtz with a large py bleb at 909.4 with some chl; a 70 deg. TCA fracture passes through it Some other chl-filled fractures, slivers At 909.8 - 910.3 - Irregular qtz flooded chloritic volcanic fragments with 20% blebs, masses, diss. py in fragments - qtz Some magnetite, possible aspy Remainder of sample UM volcanic	11413	909.0	910.5	1.5	.085

RE-LOGGING OF MINERALIZED SECTIONS

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
909.0	914.4	BLUE-GREY QUARTZ VEIN OR PORPHYRY (Cont'd)					
		11414 - To 911.6 - UM volcanic followed by qtz containing pyritic volcanic fragments as above; overall py content, 20%	11414	910.5	912.0	1.5	.065
		11415 - To 912.4 - As above; 912.4 - 913.9, barren qtz with UM frags containing ankerite vein frags At 913.9 - 914.5 Similar to previous samples; At 913.9, large masses of py and several pyritic fractures at 60 deg. TCA crosscutting, 70 deg. parallel schistosity	11415	912.0	914.5	2.5	.026
914.5	921.7	QUARTZ VEINED PYRITIC SEDIMENT (VOLCANIC?)					
		11416 - Intensely foliated and flooded rock with 25% masses and diss. py mainly in host rock, plus up to 5% in veining; sulphide mainly at borders, some aspy in vein material	11416	914.5	916.8	2.3	.110
		11417 - Similar to above, but more quartz with laminated pyritic sediment at 917.0 - 917.8; some large py masses in sediment and vein material Total sulphide content - 15-25% Scattered aspy in qtz	11417	916.8	918.5	1.7	.190
		11418 - As above with a semi-massive py band at 919.5 - 919.7; at this point, schistosity at 0 deg. TCA, continuing to the end of sample 11419 - fold closure?	11418	918.5	920.5	2.0	.260
		11419 - As above with 20% coarse py at 921.0 - 921.6; NB orientation of schistosity	11419	920.5	921.7	1.2	.340

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
1005.0	1037.6	SERICITE-CHLORITE SCHIST, LAMINATED SEDIMENTS AND IRON FORMATION					
		11437 - Quartz veined and sil pyritic sediment (?) with 10-15% diss. py, plus several splashes of cp Also considerable carbonate	11437	1016.0	1019.0	3.0	.120
1050.0	1058.6	SIL AND MINERALIZED IRON FORMATION AND SEDIMENT/TUFF					
		11440 - Poorly laminated, somewhat brecciated, carbonatized, silicified with 10-15% diss. py, plus some large masses, eg. 1050.5 - approx. 1" long by 1/2" wide At 1051.0, a couple of carb veins at 15 deg. and crosscutting foliation containing a couple of cp grains	11440	1050.0	1052.0	2.0	.180
		11441 - Similar to above, but slightly less py and unevenly distributed A few low angle qtz-carb. and chlorite veinlets crosscutting, also contains pyrite	11441	1052.0	1054.0	2.0	.300
		11442 - Similar to previous, but much more brecciated and altered with 20-40% carb-ank-qtz groundmass (?) alteration, veining and vein fragments Sulphides in both vein material, chloritic/altered groundmass (not magnetic) Generally diss., but a few splashes, short strings Veins discontinuous, stretched out parallel schistosity. Some vein material looks like porphyry	11442	1054.0	1056.0	2.0	.695

RE-LOGGING OF MINERALIZED SECTIONS

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
1050.0	1058.6	SIL AND MINERALIZED IRON FORMATION AND SEDIMENT/TUFF (Cont'd)					
		11443 - Generally decrease in py, however more py-bearing veins at base of section; some large py masses, strings within and peripheral to vein at last 2"	11443	1056.0	1057.5	1.5	.870
		11444 - Similar to 11440	11444	1057.5	1058.6	1.1	.150

MINROC MANAGEMENT LIMITED

DRILL LOG - FOURAX II PROPERTY

HOLE NO.: FX-8975 | TOWNSHIP: FOURNIERE, QUE. | CORE SIZE: BQ

COORDINATES: L14+50E 6+75N | RANGE: X | DRILLED BY: FORAGE MODERNE INC.

COLLAR ANGLE: -50 DEG. | LOT NO.: | DATE STARTED: 18/12/89

LOCATED FROM: BL | CLAIM NO.: 335177-4 | DATE COMPLETED: 20/12/89

AZIMUTH: 205 DEG. | LOGGED BY: L. MELCHIORRE.

LENGTH: 699 FT. | PAGE: 1 OF 6

DEPTH	AZIMUTH	ANGLE READ	ANGLE ACTUAL
200 FT.	205		-48 DEG.
400 FT.	205		-47 DEG.
600 FT.	205		-48 DEG.
699 FT.	205		-41 DEG.

REMARKS:

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
0.0	43.0	OVERBURDEN					
43.0	157.3	GRANITE PORPHYRY	11803	43.0	45.6	2.6	.002
		Massive	11804	45.6	47.7	2.1	TR
		Medium grey to pinkish grey	11805	47.7	50.9	3.2	TR
		Coarse grained	11806	50.9	54.7	3.8	NIL
		55% euhedral plagioclase (3 mm) (greyish)	11807	54.7	60.7	6.0	.003
		10% quartz	11808	60.7	64.9	4.2	TR
		5% euhedral potassium feldspar (pinkish)	11809	64.9	67.6	2.7	.003
		30% mafics (pyroxene, amphibole)					
		Trace disseminated pyrite in places. Local magnetism					
		Quartz veinlets and veining parallel and 20 deg. TCA and 60 deg. TCA					
		64.2 Tourmaline and quartz vein 30 deg. TCA, 1" thick					
		64.2 - 68.5 Silicified	11810	67.6	71.2	3.6	.002
			11811	71.2	74.0	2.8	.002
			11812	74.0	76.1	2.1	.002
			11813	76.1	78.3	2.2	.002
			11814	78.3	82.1	3.8	.001
			11815	82.1	84.9	2.8	NIL
			11816	84.9	86.7	1.8	TR
			11817	86.7	89.7	3.0	.003
			11818	89.7	94.3	4.6	.001
			11819	94.3	98.8	4.5	.001
			11820	98.8	101.6	2.8	TR
			11821	101.6	103.8	2.2	.001
			11822	103.8	106.5	2.7	NIL
			11823	106.5	108.6	2.1	NIL
			11824	108.6	111.2	2.6	NIL
			11825	111.2	113.3	2.1	TR
			11826	113.3	115.9	2.6	NIL
			11827	115.9	118.0	2.1	NIL

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
43.0	157.3	GRANITE PORPHYRY (Cont'd)					
			11828	118.0	120.5	2.5	NIL
			11829	120.5	122.9	2.4	NIL
			11830	122.9	125.9	3.0	NIL
			11831	125.9	128.3	2.4	.002
			11832	128.3	130.5	2.2	NIL
			11833	130.5	133.0	2.5	.002
			11834	133.0	135.4	2.4	TR
			11835	135.4	137.9	2.5	NIL
			11836	137.9	140.5	2.6	NIL
			11837	140.5	142.8	2.3	NIL
			11838	142.8	145.4	2.6	NIL
			11839	145.4	147.3	1.9	NIL
			11840	147.3	149.9	2.6	TR
			11841	149.9	152.1	2.2	NIL
			11842	152.1	154.9	2.8	.001
			11843	154.9	155.8	0.9	NIL
		Lower contact abrupt 20 deg. TCA	11844	155.8	157.3	1.5	NIL
157.3	169.0	MAGNETITE IRON FORMATION	11845	157.3	160.5	3.2	TR
		Fine grained, dark grey green	11846	160.5	163.0	2.5	NIL
		Laminated, foliated, approx. 50 deg. TCA	11847	163.0	165.4	2.4	TR
		2% disseminated pyrite locally	11848	165.4	167.3	1.9	TR
			11849	167.3	169.6	2.3	.002
		166.0 - 167.0 Hematite + quartz + pyrite					
169.0	381.8	MAFIC VOLCANIC					
		Massive, medium green	11850	169.6	172.2	2.6	.001
			11851	172.2	174.5	2.3	.001
		171.8 - 172.2 Granite porphyry dyke + quartz 50 deg. TCA					
			11852	220.5	222.8	2.3	.003

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
169.0	381.8	MAFIC VOLCANIC (Cont'd)					
		Quartz veining, pyrite	11853	222.8	225.0	2.2	.002
			11854	225.0	227.2	2.2	.008
			11855	227.2	229.7	2.5	.006
			11856	229.7	232.6	2.9	.004
			11857	232.6	235.0	2.4	.001
			11858	235.0	237.7	2.7	.002
			11859	237.7	239.7	2.0	.002
		292.7 - 300.2 Magnetic sediments Bluish-grey in colour					
		300.2 - 281.8 Mafic volcanic sediments Some layers magnetic	11860	376.6	379.0	2.4	.001
			11861	379.0	380.3	1.3	.002
			11862	380.3	381.8	1.5	TR
		Lower contact irregular, approx. 20 deg. TCA					
381.8	411.2	GRANITE PORPHYRY DYKE	11863	381.8	385.0	3.2	.001
			11864	385.0	387.9	2.9	TR
			11865	387.9	389.9	2.0	TR
			11866	389.9	392.4	2.5	TR
			11867	392.4	394.2	1.8	TR
			11868	394.2	397.3	3.1	.001
		397.5 - 406.0 Strongly silicified Quartz veins abundant	11869	397.3	399.1	1.8	NIL
			11870	399.1	401.8	2.7	NIL
			11871	401.8	404.0	2.2	NIL
			11872	404.0	406.6	2.6	NIL
			11873	406.6	408.8	2.2	TR
		Very irregular lower contact	11874	408.0	411.2	3.2	.001
411.2	454.0	MAFIC VOLCANIC, SEDIMENTS	11875	411.2	413.4	2.2	NIL
			11876	451.9	454.0	2.1	.002

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
454.0	469.0	MAGNETITE IRON FORMATION Black, hard, approx. 1% diss. py	11877	454.0	456.6	2.6	.003
			11878	456.6	459.1	2.5	.011
			11879	459.1	461.5	2.4	.020
			11880	461.5	462.3	0.8	.002
			11881	462.3	467.1	4.8	.002
			11882	467.1	468.0	0.9	.002
		468.0 - 470.0 Quartz + albite vein	11883	468.0	471.2	3.2	.009
469.0	525.9	CHLORITE-SERICITE SCHIST	11884	471.2	472.8	1.6	.002
		With quartz veins up to 5 inches thick, white	11885	472.8	475.6	2.8	.001
		1-2% fine disseminated pyrite	11886	475.6	477.8	2.2	.001
			11887	477.8	479.7	1.9	.006
			11888	479.7	482.3	2.6	.001
			11889	482.3	484.4	2.1	.022
			11890	484.4	487.3	2.9	.008
			11891	487.3	489.7	2.4	.004
			11892	489.7	493.1	3.4	.004
			11893	522.0	525.9	3.9	.001
525.9	554.6	MAGNETITE IRON FORMATION					
		10-15% disseminated pyrite	11894	525.9	527.1	1.2	.054*
		Interbedded with chlorite-sericite schist	11895	527.1	530.8	3.7	.032
			11896	530.8	534.2	3.4	.017
		534.2 - 536.7 Chlorite sericite schist	11897	534.2	535.7	1.5	TR
			11898	535.7	538.3	2.6	.001
		536.7 - 537.2 Iron formation	11899	538.3	540.4	2.1	.005
			11900	540.4	542.9	2.5	.015
			11901	542.9	545.1	2.2	.001
		545.1 - 549.8 Quartz injection	11902	545.1	547.8	2.7	NIL
			11903	547.8	549.8	2.0	.005
			11904	549.8	552.1	2.3	.012
			11905	552.1	554.6	2.5	.001

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
554.6	567.8	SHEARED QUARTZ FLOODED PORPHYRY	11906	554.6	556.9	2.3	.004
		10-15% disseminated pyrite	11907	556.9	559.2	2.3	.006
		Greyish beige	11908	559.2	561.6	2.4	.004
			11909	561.6	563.9	2.3	.019
			11910	563.9	567.8	3.9	.012
567.8	573.6	CHLORITE-SERICITE SCHIST + MAGNETITE IRON FORMATION	11911	567.8	571.0	3.2	.003
			11912	571.0	573.6	2.6	.003
573.6	578.8	SHEARED, QUARTZ FLOODED PORPHYRY	11913	573.6	576.5	2.9	.061
		Same as 554.6 - 567.8	11914	576.5	579.4	2.9	.021
578.8	600.4	CHLORITE-SERICITE SCHIST + MAGNETITE IRON FORMATION	11915	579.4	582.5	3.1	.001
			11916	582.5	585.2	2.7	.001
		595.8 - 596.5 Porphyry	11917	585.2	587.5	2.3	.002
			11918	587.5	588.9	1.4	.025
			11919	588.9	590.9	2.0	.047
			11920	590.9	593.7	2.8	.005
			11921	593.7	595.8	2.1	NIL
			11922	595.8	598.4	2.6	.001
			11923	598.4	600.4	2.0	NIL
600.4	699.0	ULTRAMAFIC VOLCANIC					
		Talc-chlorite alteration	11924	634.5	636.5	2.0	NIL
		Less sheared than schist, though similar					
		636.7 - 638.5 Silicified porphyry	11925	636.5	638.5	2.0	NIL
		10% fine disseminated pyrite. Dark reddish grey in colour	11926	638.5	641.8	3.3	NIL
		681.4 - 684.0 Magnetic	11927	679.0	681.4	2.4	NIL
		Iron formation	11928	681.4	683.9	2.5	NIL
			11929	683.9	686.2	2.3	NIL
			11930	686.2	688.8	2.6	.001
		695.5 - 699.0 Magnetic iron formation	11931	688.8	690.6	1.8	TR
		10% pyrite	11932	690.6	693.3	2.7	TR
			11933	693.3	695.5	2.2	.001
	699.0	END OF HOLE	11934	695.5	699.0	3.5	.001

MINROC MANAGEMENT LIMITED

DRILL LOG - FOURAX II PROPERTY

HOLE NO.: FX-9076 | TOWNSHIP: FOURNIERE, QUE. | CORE SIZE: BQ

COORDINATES: L12+20E 7+30N | RANGE: X | DRILLED BY: FORAGE MODERNE INC.

COLLAR ANGLE: -50 DEG. | LOT NO.: | DATE STARTED: 09/01/90

LOCATED FROM: BL | CLAIM NO.: 335178-4 | DATE COMPLETED: 15/01/90

AZIMUTH: 205 DEG. | LOGGED BY: L. MELCHIORRE

LENGTH: 1,070 FT. | PAGE: 1 OF 19

DEPTH	AZIMUTH	ANGLE READ	ANGLE ACTUAL
200 FT.	205		-50 DEG.
400 FT.	205		-48 DEG.
600 FT.	205		-44 DEG.
800 FT.	205		-44 DEG.
1000 FT.	205		-41 DEG.

REMARKS:

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
0.0	52.0	OVERBURDEN					
52.0	444.0	MAFIC VOLCANIC Medium green Hard - silicified Fine grained Porphyritic in places Massive with brecciated zones Moderate amount of carb + quartz + epidote Py veins - 30 - 40 deg. TCA Associated hematite and tourmaline in places					
		144.9 - 148.0 Quartz + epidote + tourmaline + carb + py veins and veinlets 30 deg. TCA Some are wispy and variable in direction Veins broken up in places	11935	144.9	148.0	3.1	TR
		193.7 - 197.0 Similar to 144.9 - 148.0	11936	193.7	197.0	3.3	.001
		237.5 - 249.9 Magnetic mafic flow Contacts gradational Very similar in appearance to enclosing mafic volcanic 2% disseminated pyrite Irregular fractures filled with quartz + carb + pyrite					
		246.6 - 247.3 Quartz + carbonate + tourmaline + pyrite veins - 20 deg. TCA Variable thickness - 0.5" - 2"	11937	244.4	248.4	4.0	.001
		249.9 - 252.5 Non-magnetic section Irregular fractures filled with quartz + carb + py					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
52.0	444.0	MAFIC VOLCANIC (Cont'd)					
		252.5 - 255.5 Magnetic mafic flow Similar to 237.5 - 249.9					
		256.5 - 256.8 Quartz + carbonate vein with xenoliths at host rock	11938	255.5	259.4	3.9	.001
		329.3 - 331.7 Magnetic mafic flow Highly fractured @ 40 deg. TCA + parallel TCA mostly. Fractures filled with carb, cp Lower contact sharp, fractured, 40 deg. TCA					
		345.5 - 359.0 Actinolite crystals gradually increase in size down core. Actinolites become coarse, acicular, random	11939	440.8	444.0	3.2	TR
444.0	454.4	MAGNETIC DIORITE	11940	444.0	448.0	4.0	TR
		Dark grey-green	11941	448.0	450.9	2.9	TR
		Fine - medium grained	11942	450.9	452.7	1.8	TR
		Massive to moderately foliated @ 50 deg. TCA	11943	452.7	454.9	2.2	NIL
		Upper contact sharp - 80 deg. TCA					
		Lower contact diffuse					
		Trace - 1% disseminated pyrite					
		Epidote, carbonate veinlets - 60 deg. TCA					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
454.4	486.7	MAFIC VOLCANIC, SEDIMENTS Foliation or lamination 50 deg. TCA Fine grained with some larger (approx. 2 mm) fragments that are flattened in foliation direction. Approx. 2% pyrite blebs restricted to certain horizons					
		457.2 - 457.8 Quartz + carb + epidote + hematite + trace pyrite, multiple veinlets @ 50 deg. TCA	11944	454.9	457.8	2.9	NIL
		484.3 - 486.7 Rock softer, sericite + chlorite alteration, laminae distorted	11945	482.8	486.6	3.8	.002
486.7	489.6	MAGNETITE IRON FORMATION, LAMINATED SEDIMENTS Upper contact sharp, 50 deg. TCA					
		486.7 - 487.2 Iron formation Black, hard Strong foliation 40 deg. TCA Fine to medium grained 2-3% disseminated pyrite	11946	486.6	489.6	3.0	.007
		487.2 - 487.6 Non-magnetic sediments Foliated 40 deg. TCA Blackish green in colour Soft, 1 - 2% disseminated pyrite Upper contact gradational					
		487.6 - 489.6 Iron formation same as 486.7 - 487.7 Increasing white quartz + carbonate injection down core					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
489.6	507.0	QUARTZ-ANKERITE VEIN, BRECCIA AND ALTERATION ZONE	11947	489.6	492.5	2.9	.013
		Quartz is greyish blue, ankerite, and albite are white or pale yellowish	11948	492.5	495.0	2.5	.013
		Quartz brecciated					
		Ankerite and albite fills fractures (secondary)					
		Fractures chaotic					
		Contains remnant dark, pyritiferous, foliated host rock (volcanic?)					
		Trace disseminated pyrite, except in remnant host rock where it is 5-10%					
		497.2 Bleb of chalcopyrite + pyrite in veinlet trending approx. 70 deg. TCA	11949	495.0	497.4	2.4	.024
			11950	497.4	498.9	1.5	.044
			11951	498.9	501.4	2.5	.020
		Lower contact approx. 50 deg. TCA, rather sharp	11952	501.4	504.0	2.6	.015
			11953	504.0	506.4	2.4	.020
507.0	539.0	SERICITE-CHLORITE +/- TALC SCHIST/SEDIMENT, INTERBEDDED ALTERED MAFIC-ULTRAMAFIC VOLCANIC	11954	506.4	509.4	3.0	.003
		Volcanic is blackish, moderately hard					
		Sheared @ 40 deg. TCA					
		Contains moderately abundant quartz + ankerite injection following foliation direction. Chloritic, talcose					
		Contains up to 10% disseminated pyrite locally					
		Strongly - moderately magnetic					
		Sediments are light - medium green					
		Sheared @ 40 deg. TCA					
		Soft, contain quartz + ankerite injection					
		Moderately magnetic					
		507.0 - 512.7 Altered volcanic	11955	509.4	512.7	3.3	.001
		Foliated 20 to 40 deg. TCA					
		Trace disseminated pyrite					
		Moderately - strongly magnetic					
		Lower contact sharp, 50 deg. TCA					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
507.0	539.0	SERICITE-CHLORITE +/- TALC SCHIST/SEDIMENT, INTERBEDDED ALTERED MAFIC-ULTRAMAFIC VOLCANIC (Cont'd)					
		512.7 - 514.5 Chloritic - sericitic-talcose sediments Sharp lower contact 40 deg. TCA	11956	512.7	515.4	2.7	.001
		514.5 - 515.6 Altered volcanic Lower contact 60 deg. TCA Abundant amphibole	11957	515.4	518.2	2.8	.002
		515.6 - 516.7 Chloritic, sericitic, talcose sediments Strongly sheared @ 0 - 40 deg. TCA Mylonitic Lower contact 30 deg. TCA					
		516.7 - 518.0 Altered volcanic Strong carbonate alteration Lower contact 30 deg. TCA Sheared @ 0 - 40 deg. TCA	11958	518.2	520.4	2.2	.005
		518.0 - 519.0 Chloritic, sericitic, talcose sediments Lower contact 60 deg. TCA					
		519.0 - 524.6 Altered volcanic 5-10% pyrite Strongly sheared @ 20 - 40 deg. TCA Lower contact 40 deg. TCA	11959 11960 11961	520.4 522.7 525.0	522.7 525.0 527.7	2.3 2.3 2.7	.002 .011 .003
		524.6 - 539.0 Chloritic-sericitic-talcose sediments Lower contact approx. 90 deg. TCA	11962 11963 11964 11965 11966	527.7 529.7 531.7 533.7 536.4	529.7 531.7 533.7 536.4 539.0	2.0 2.0 2.0 2.7 2.6	.002 .001 .001 .001 .002

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
539.0	546.0	QUARTZ-ANKERITE VEIN, BRECCIA AND ALTERATION ZONE	11967	539.0	540.7	1.7	.004
		Similar to 489.6 - 507.0	11968	540.7	542.8	2.1	.030
		Veinlets filled with fuschite; at approx. 30 deg. TCA	11969	542.8	546.0	3.2	.036
		Lower contact 50 deg. TCA					
546.0	568.3	TALC-CHLORITE SCHIST, ALTERED ULTRAMAFIC VOLCANIC					
		Very sheared, 50 deg. TCA					
		In part, may be sediment					
		Talc-chlorite schist is bluish grey to greenish					
		Soft					
		Contains trace pyrite					
		Ankerite injection					
		Vugs lined with ankerite					
		Moderate to strong magnetism					
		Ultramafic is similar to that of previous units	11970	546.0	548.6	2.6	.006
		Contains 5 - 10% pyrite	11971	548.6	551.4	2.8	.013
		552.3 - 553.5 Quartz + ankerite + albite adjacent to silicified feldspar porphyry	11972	551.4	553.5	2.1	.044
		Upper contact 40 deg. TCA					
		Contact between porphyry and vein sharp, 40 deg. TCA					
		Porphyry greenish grey, contains 15% disseminated pyrite. Sheared 40 deg. TCA					
		Lower contact 40 deg. TCA, sharp					
		555.0 - 556.3 Silicified feldspar porphyry	11973	553.5	556.3	2.8	.007
		5 - 10% pyrite					
		Upper and lower contacts 30 and 40 deg.	11974	556.3	559.7	3.4	.005
		respectively, sheared 40 deg. TCA	11975	559.7	562.0	2.3	.001
			11976	562.0	564.1	2.1	.001
		Lower contact sharp, 50 deg. TCA	11977	564.1	568.3	4.2	.002

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
568.3	572.4	SILICIFIED, SHEARED FELDSPAR PORPHYRY	11978	568.3	570.7	2.4	.058*
		Beige - grey in colour	11979	570.7	572.4	1.7	.230*
		Sheared @ 60 deg. TCA					
		Fractured parallel TCA					
		Chlorite veinlets follow shearing					
		10% disseminated pyrite					
		Trace chalcopyrite					
		Lower contact sharp, 60 deg. TCA					
572.4	580.9	TALC-CHLORITE SCHIST					
		Strong shearing 60 deg. TCA	11980	572.4	576.2	3.8	.001
		Mylonitic in places	11981	576.2	579.0	2.8	.002
		Moderately magnetic	11982	579.0	581.0	2.0	.003
		Trace disseminated pyrite					
		Lower contact broken up - 40 deg. TCA					
580.9	581.5	WHITE QUARTZ VEIN	11983	581.0	583.5	2.5	.020
		40 deg. TCA, broken up					
581.5	626.0	QUARTZ FLOODED, SHEARED FELDSPAR PORPHYRY	11984	583.5	585.8	2.3	.026
		Greyish in colour	11985	585.8	588.5	2.7	.037
		Strongly sheared @ 60 deg. TCA	11986	588.5	591.0	2.5	.020
		White quartz veins - 60 deg. TCA	11987	591.0	593.6	2.6	.026
		10% disseminated pyrite	11988	593.6	595.9	2.3	.064*
		595.9 - 600.3 Chlorite-sericite schist	11989	595.9	598.5	2.6	.007
		Upper and lower contact broken up	11990	598.5	599.3	0.8	.041
		Trace disseminated pyrite	11991	599.3	601.7	2.4	.008
			11992	601.7	604.0	2.3	.004
			11993	604.0	606.7	2.7	.018
			11994	606.7	608.8	2.1	.010
			11995	608.8	611.2	2.4	.008
			11996	611.2	613.5	2.3	.003
			11997	613.5	616.2	2.7	.012

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
581.5	626.0	QUARTZ FLOODED SHEARED FELDSPAR PORPHYRY (Cont'd)					
			11998	616.2	618.5	2.3	.016
			11999	618.5	620.0	1.5	.024
			12000	620.0	622.2	2.2	.060*
			12501	622.2	624.8	2.6	.012
			12502	624.8	627.1	2.3	.010
626.0	650.8	TALC-CHLORITE SCHIST Moderately magnetic	12503	627.1	630.0	2.9	.001
			12504	630.0	632.1	2.1	TR
			12505	632.1	634.8	2.7	.001
			12506	634.8	636.9	2.1	.005
			12507	636.9	639.8	2.9	.001
			12508	639.8	642.0	2.2	TR
			12509	642.0	644.6	2.6	.002
			12510	644.6	646.9	2.3	.008
			12511	646.9	648.6	1.7	.003
			12512	648.6	650.8	2.2	.009
650.0	658.4	IRON FORMATION, MINOR TALC-CHLORITE SCHIST Iron formation is strongly sheared 40 deg. TCA, silicified, has bluish grey and black banding 5-10% disseminated pyrite					
		650.0 - 650.8 Iron formation with sharp contacts at 50 deg. TCA					
		651.3 - 651.6 Iron formation Upper and lower contacts 40 deg. TCA	12513	650.8	653.3	2.5	.013
		652.6 - 654.1 Iron formation Upper and lower contacts 40 deg. TCA	12514	653.3	655.6	2.3	.003
		655.5 - 656.0 Iron formation Upper contact 40 deg. TCA Lower contact 50 deg. TCA	12515	655.6	658.4	2.8	.001

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
650.0	658.4	IRON FORMATION, MINOR TALC-CHLORITE SCHIST (Cont'd)					
		656.0 - 658.4 Fold closure? Talc schist inter-laminated with silicified iron formation (similar to 655.5 - 656.0) Laminae distorted (folded) Approx. 2% disseminated pyrite Lower contact broken up and indistinct					
658.4	675.0	TALC-CHLORITE SCHIST Bluish grey in colour White ankerite injection, folded, rippled, generally distorted	12516 12517 12518 12519 12520	658.4 661.8 664.5 669.0 672.1	661.8 664.5 669.0 672.1 675.0	3.4 2.7 4.5 3.1 2.9	TR .001 TR NIL .002
		669.3 - 671.0 Shearing is parallel TCA					
675.0	683.0	MAGNETITE IRON FORMATION, MINOR TALC-CHLORITE SCHIST Bluish grey, silicified 5-10% disseminated py Ankerite veins parallel TCA Strongly sheared - varies across core from 50 deg. TCA Lower contact broken up	12521	675.0	678.6	3.6	.003
		678.6 - 679.6 Talc-chlorite schist					
		679.6 - 681.6 Siliceous section Light greenish, 1% pyrite +/- cp Upper contact diffuse - 40 deg. TCA Possibly iron formation at 679.8 - 681.4, 0 - 15 deg. TCA and (fold?), several narrow carb and quartz veins, 0 deg. TCA over entire length; contains py plus cp at 681.5	12522	678.6	681.2	2.6	.004

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
675.0	683.0	MAGNETITE IRON FORMATION, MINOR TALC-CHLORITE SCHIST (Cont'd)					
		681.6 - 683.0 Ankerite rich layers and dark non-magnetic soft, pyritiferous layers, contacts between layers, 30 - 40 deg. TCA	12523	681.2	683.3	2.1	.014
			12524	683.3	686.0	2.7	.003
683.0	686.0	SERICITIZED VOLCANIC (?)					
686.0	688.0	FELDSPAR PORPHYRY (?) Brownish with bluish grey swirls @ approx. 40 deg. TCA. Swirls are magnetite-rich Sheared at 40 deg. TCA Broken up 10-15% pyrite, disseminated Upper contact 40 deg. TCA Lower contact broken up	12525	686.0	688.5	2.5	.021
688.0	741.2	TALC-CHLORITE SCHIST Similar to 658.4 - 675.0	12526	688.5	691.2	2.7	.001
			12527	691.2	693.3	2.1	TR
			12528	734.6	738.7	4.1	.001
			12529	738.7	741.2	2.5	.001
741.2	743.0	SILICIFIED, SHEARED BRECCIATED PORPHYRY Pinkish dark grey in colour Variable sheared, approx. 40 deg. TCA Magnetite-rich swirls 5% disseminated pyrite Upper contact 50 deg. TCA Lower contact 30 deg. TCA, irregular	12530	741.2	743.9	2.7	.130*

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
743.0	773.0	TALC-CHLORITE SCHIST Similar to 658.4 - 675.0	12531	743.9	746.3	2.4	.001
			12532	746.3	748.0	1.7	.001
			12533	748.0	749.7	1.7	.001
			12534	749.7	754.6	4.9	.005
		754.6 - 755.2 Silicified iron formation Blackish Sheared approx. 30 deg. TCA Approx. 2% disseminated pyrite Upper contact broken up Lower contact @ 50 deg. TCA	12535	754.6	757.2	2.6	.002
			12536	757.2	759.0	1.8	.001
			12537	759.0	760.0	1.0	.001
			12538	760.0	761.0	1.0	TR
			12539	761.0	763.1	2.1	TR
			12540	763.1	765.7	2.6	.001
			12541	765.7	768.0	2.3	.001
			12542	768.0	770.6	2.6	.001
			12543	770.6	772.9	2.3	.001
			12544	772.9	775.5	2.6	.004
			12545	775.9	777.3	1.4	.004
777.3	796.4	MAGNETITE IRON FORMATION INTERBEDDED WITH SOME TALC-CHLORITE SCHIST Iron formation is black, fine grained, mildly to strongly sheared @ 40 deg. TCA. Ankerite injection along foliation planes, strongly magnetic. Moderate silicification. Trace - 3% pyrite In some areas, there are fractures filled with carbonate +/- pyrite cutting across foliation direction					
		777.3 - 779.6 Iron formation Upper contact 40 deg. TCA White spots (plagioclase?); may be dioritic dyke Lower contact broken up	12546	777.3	779.6	2.3	.003
		779.6 - 780.1 Talc chlorite schist	12547	779.6	781.9	2.3	.002

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
777.3	796.4	MAGNETITE IRON FORMATION INTERBEDDED WITH SOME TALC-CHLORITE SCHIST (Cont'd)					
		780.1 - 781.0 Iron formation Similar to 777.3 - 779.6 Upper contact 50 deg. TCA - sharp					
		781.0 - 781.2 Small porphyry dyke Pinkish Sheared, silicified 10% disseminated pyrite Upper and lower contacts sharp - 50 deg. TCA					
		781.2 - 783.2 Talc-chlorite schist Trace pyrite Lower contact broken up 50 deg. TCA					
		783.2 - 796.4 Iron formation Fine - medium grained Strongly sheared @ 40 deg. TCA Ankerite injection along foliation planes Bluish quartz nodules 5% disseminated pyrite	12548 12549	781.9 785.9	785.8 787.9	3.9 2.0	.001 TR
			12550	787.9	790.0	2.1	.001
		789.2 Fractures crossing foliation direction ankerite + pyrite	12551 12552	790.0 792.4	792.4 794.8	2.4 2.4	.001 .001
			12553	794.8	796.4	1.6	.001
		795.7 Fractures crossing foliation direction ankerite + pyrite					
		Lower contact broken up - 50 deg. TCA					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
796.4	809.7	TALC-CHLORITE SCHIST, TUFFACEOUS SEDIMENT	12554	796.4	799.0	2.6	.001
		Talc chlorite schist	12555	799.0	801.3	2.3	.003
		soft as usual	12556	801.3	804.0	2.7	.001
		Moderately magnetic	12557	804.0	808.6	4.6	.001
		Upper contact broken up at 40 deg. TCA					
		804.0 - 808.6 Tuffaceous sediments?					
		Very sheared @ 50 deg. TCA					
		Moderately hard					
		Appears laminated - same direction as shearing					
		Dark green in colour					
		Chloritic - mildly magnetic in places					
		Trace pyrite					
809.7	813.6	MAGNETITE IRON FORMATION					
		Brownish black	12558	808.6	810.5	1.9	TR
		Sheared @ 60 deg. TCA	12559	810.5	813.6	3.1	TR
		Fine grained					
		Trace pyrite					
		Upper contact broken up @ 60 deg. TCA					
		Lower contact @ 40 deg. TCA, broken up					
813.6	834.7	TALC-CHLORITE SCHIST WITH SOME IRON FORMATION					
		813.6 - 824.1 Talc-chlorite schist	12560	813.6	817.0	3.4	TR
		Harder than usual (higher chlorite than	12561	817.0	819.5	2.5	TR
		talc content)	12562	819.5	821.9	2.4	TR
		May be ultramafic volcanic	12563	821.9	824.1	2.2	TR
		Moderately magnetic					
		Sheared 50 deg. TCA					
		Ankerite injected along foliation planes					
		Trace disseminated pyrite					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
813.6	834.7	TALC-CHLORITE SCHIST WITH SOME IRON FORMATION (Cont'd)					
		824.1 - 825.0 Magnetite iron formation Blackish Fine grained Sheared 50 deg. TCA Ankerite veinlets crosscutting foliation 1% disseminated pyrite Moderate silicification Upper and lower contacts 50 deg. TCA Upper contact laminated Lower contact diffuse	12564	824.1	826.5	2.4	.001
		825.0 - 834.7 Talc chlorite schist Similar to 813.6 - 824.1 Contains abundant ankerite injection					
		833.8 - 834.7 Silicified, metamorphased zone 10 - 15% disseminated pyrite Coarse, random amphibole	12565 12566 12567	826.5 828.9 831.7	828.9 831.7 835.1	2.4 2.8 3.4	.003 .001 .032
834.7	839.5	QUARTZ FLOODING AND VEIN ZONE Abundant quartz and minor ankerite injection Remnant schist approx. 45% Schist contains approx. 15% disseminated pyrite cubes Quartz contains trace pyrite Quartz veining direction; 60 deg. TCA Lower contact 60 deg. TCA	12568	835.1	837.9	2.8	.047
		837.9 - 839.5 Remnant talc-chlorite schist Abundant ankerite injection 5% pyrite	12569	837.9	838.5	0.6	.050*

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
839.5	1070.0	BLEACHED, ALTERED, MINERALIZED SYENITIC INTRUSION Medium to coarse grained Pinkish white in bleached areas and pinkish with black mafics in unbleached areas 30% k-spar, 30% plag, 40% amphibole, biotite Up to 15% veined, clotted and disseminated pyrite Fractured parallel TCA and 60 - 70 deg. TCA Variably silicified and or bleached Upper contact sharp: 80 deg. TCA					
		839.5 - 842.6 Strongly silicified zone Silicification obliterates features, imparts greyish, mottled appearance Mafics remobilized into dispersed clots 15% disseminated, clotted and veined pyrite at 60 deg. TCA Lower contact sharp at 70 deg. TCA	12570 12571	838.5 840.5	840.5 842.6	2.0 2.1	.011 .012
		842.6 - 875.8 Bleached zone Mafics remobilized into dispersed clots Silicified Silica veinlets approx. 20 deg. TCA	12572 12573 12574 12575 12576	842.6 845.3 847.2 849.9 852.2	845.3 847.2 849.9 852.2 854.7	2.7 1.9 2.7 2.3 2.5	.009 .010 .045 .009 .014
		848.1 & 848.5 Pyritic veinlets - 60 deg. TCA	12577 12578	854.7 856.9	856.9 859.6	2.2 2.7	.008 .110*
		858.5 - 859.0 Pyritic veinlets parallel TCA 30 - 50 deg. TCA	12579 12580 12581	859.6 861.9 864.7	861.9 864.7 866.8	2.3 2.8 2.1	.029 .026 .023
		863.0 Pyrite veinlets parallel TCA	12582 12583 12584	866.8 869.5 872.0	869.5 872.0 875.8	2.7 2.5 3.8	.030 .130* .031
		875.8 - 880.2 Unbleached section Mafics not remobilized; evenly distributed Silicified 5% disseminated pyrite Upper and lower contacts diffuse	12585 12586	875.8 877.8	877.8 880.2	2.0 2.4	.004 .004

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
839.5	1070.0	BLEACHED, ALTERED, MINERALIZED SYENITIC INTRUSION (Cont'd)					
		880.2 - 885.8 Bleached zone Broken up Dissolution vugs lined with acicular quartz crystals	12587 12588	880.2 882.5	882.5 885.8	2.3 3.3	.027 .022
		885.8 - 896.0 Unbleached section Upper and lower contacts diffuse	12589 12590	885.8 888.6	888.6 890.9	2.8 2.3	.006 .010
		889.5 - 890.1 Thick pinkish calcite injection Approx. 20 deg. TCA Variable thickness: approx. 2 mm - 2 inches, some quartz associated Trace pyrite cubes					
		896.0 - 937.5 Variably bleached and silicified zone Broken up 10-15% disseminated clotted, veined pyrite locally	12591 12592	890.9 893.9	893.9 896.0	3.0 2.1	.016 .003
		Chloritic veinlets, variable direction	12593 12594	896.0 899.1	899.1 902.2	3.1 3.1	.066* .470*
		899.8 Pyrite vein - 60 deg. TCA approx. 1 cm. thick, fine grained Other pyrite veinlets in general area					
			12595	902.2	904.5	2.3	.019
			12596	904.5	906.6	2.1	.037
			12597	906.6	909.1	2.5	.007
			12598	909.1	911.5	2.4	.011
			12599	911.5	913.0	1.5	.005
			12600	913.0	915.0	2.0	.024
			12757	915.0	917.2	2.2	.043
			12758	917.2	919.2	2.0	.031

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
839.5	1070.0	BLEACHED, ALTERED, MINERALIZED SYENITIC INTRUSION (Cont'd)					
			12759	919.2	920.4	1.2	.017
			12760	920.4	922.4	2.0	.016
			12761	922.4	924.4	2.0	.009
			12762	924.4	925.8	1.4	.008
			12763	925.8	928.4	2.6	.011
			12764	928.4	930.0	1.6	.006
			12765	930.0	932.4	2.4	.010
			12766	932.4	934.5	2.1	.004
			12767	934.5	936.0	1.5	.008
			12768	936.0	937.5	1.5	.022
		937.5 Unbleached section	12769	937.5	939.8	2.3	.004
		Silicified	12770	939.8	942.0	2.2	.005
		Qtz veinlets 80 - 90 deg. TCA	12771	942.0	944.0	2.0	.011
		10% disseminated pyrite	12772	944.0	945.4	1.4	.006
		Very broken up	12773	945.4	948.0	2.6	.003
		Increasingly salmon coloured down core	12774	948.0	952.3	4.3	.007
		(K alteration)	12775	952.3	955.5	3.2	.014
			12776	955.5	959.4	3.9	.005
			12777	959.4	962.0	2.6	.007
			12778	962.0	964.6	2.6	.014
			12779	964.6	966.9	2.3	.011
		966.2 - 966.4 Pinkish-grey quartz vein	12780	966.9	968.0	1.1	.016
		Trace dissem. py	12781	968.0	970.5	2.5	.020
		Broken up	12782	970.5	973.4	2.9	.027
		Moderately abundant greyish quartz	12783	973.4	975.7	2.3	.066*
		veining down core until end of hole	12784	975.7	978.0	2.3	.024
			12785	978.0	980.6	2.6	.076*
		980.6 - 982.5 Abundant grey quartz	12786	980.6	984.0	3.4	.180*
		Trace dissem. pyrite					
		Ankerite associated with quartz					
		Upper contact 40 deg. TCA					
		Lower contact 40 deg. TCA					
		Contains fragments of host rock					
			12787	984.0	988.0	4.0	.013

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
839.5	1070.0	BLEACHED, ALTERED, MINERALIZED SYENITIC INTRUSION (Cont'd)					
		990.4 - 990.8 Grey quartz vein - 50 deg. TCA	12788	988.0	990.4	2.4	.014
			12789	990.4	992.9	2.5	.037
			12790	992.9	995.3	2.4	.027
			12791	995.3	997.9	2.6	.011
			12792	997.9	1000.2	2.3	.017
			12793	1000.2	1002.8	2.6	.006
			12794	1002.8	1005.5	2.7	.084*
			12795	1005.5	1008.0	2.5	.032
			12796	1008.0	1010.5	2.5	.007
			12797	1010.5	1012.9	2.4	.002
		1014.8 - 1016.0 Chloritic veinlets approx. 40 deg. TCA	12798	1012.9	1015.4	2.5	.006
			12799	1015.4	1017.8	2.4	.053*
		1016.8 - 1018.0 Some clotted and veined pyrite approx. 40 deg. TCA	12800	1017.8	1020.3	2.5	.036
			12801	1020.3	1022.6	2.3	.012
			12802	1022.6	1025.3	2.7	.004
		1025.3 - 1027.4 Very K-altered, very pink	12803	1025.3	1027.4	2.1	.021
			12804	1027.4	1030.8	3.4	.004
		1030.0 Pyrite in veinlets Fine grained and some approx. 3 mm cubes	12805	1030.8	1033.2	2.4	.007
			12806	1033.2	1035.6	2.4	.005
			12807	1035.6	1038.4	2.8	.004
		1030.8 Increasing chlorite veinlets down core approx. 60 deg. TCA	12808	1038.4	1040.6	2.2	.004
			12809	1040.6	1042.5	1.9	.009
			12810	1042.5	1044.9	2.4	.077*
		1042.6 - 1043.9 Multiple grey quartz veining Trace pyrite Trace galena? 30 - 40 deg. TCA	12811	1044.9	1047.5	2.6	.006
			12812	1047.5	1049.9	2.4	.006
			12813	1049.9	1051.5	1.6	.006
			12814	1051.5	1053.6	2.1	.006
			12815	1053.6	1056.0	2.4	.011
			12816	1056.0	1058.5	2.5	.007
			12817	1058.5	1060.6	2.1	.006
			12818	1060.6	1063.0	2.4	.005
			12819	1063.0	1065.3	2.3	.004
			12820	1065.3	1067.7	2.4	.005
		1067.0 Veined pyrite	12821	1067.7	1068.5	0.8	.004
			12822	1068.9	1070.0	1.1	.005
	1070.0	END OF HOLE					

MINROC MANAGEMENT LIMITED

DRILL LOG - FOURAX II PROPERTY

HOLE NO.: FX-9077 TOWNSHIP: FOURNIERE, QUE. CORE SIZE: BQ

COORDINATES: L16+00E RANGE: X DRILLED BY: FORAGE MODERNE INC.
6+75N

COLLAR ANGLE: -50 DEG. LOT NO.: DATE STARTED: 16/01/90

LOCATED FROM: BL CLAIM NO.: 335177-4 DATE COMPLETED: 18/01/90

AZIMUTH: 205 DEG. LOGGED BY: N.O. WILLOUGHBY

LENGTH: 974 FT. PAGE: 1 OF 14

DEPTH	AZIMUTH	ANGLE READ	ANGLE ACTUAL
200 FT.	205		-49 DEG.
800 FT.	205		-44 DEG.
974 FT.	205		-40 DEG.

REMARKS:

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
0.0	33.0	OVERBURDEN						
33.0	183.6	PILLOWED MAFIC VOLCANIC Fine grained to aphanitic Green to grey green With scattered pillow selvedges, plus some pillow or perhaps flow breccia Pillow selvedges frequently carbonatized, hematitized with some py blebs Several narrow quartz-carbonate veins at 75 deg. TCA mainly 105.6 - 106.3 Quartz-albite vein at 10 deg. TCA with some py specks; may be pillow rim 141.0 - 148.5 Sheared volcanic at 75 deg. TCA with scattered carbonate bands/patches and diss. py - 1% 173.0 - 180.2 Amphibolitic with 15-20% coarse amphibole phenocrysts Sheared with numerous thin quartz veining over last foot						
183.6	256.0	GABBRO, DIORITE Fine to medium grained, generally massive, equigranular Variably carbonatized With several quartz-carbonate veins at 70 - 90 deg. TCA with minor diss. py Scattered diss. py, notably at 222.0 - 228.0 216.0 - 288.0 Irregular quartz veining and silicification 226.5 Biotite-chlorite-py shear at 88 deg. TCA						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
183.6	256.0	GABBRO, DIORITE						
		249.0 - 256.0 Brecciated with quartz-carbonate stockwork, epidotization, silicification, carbonatization with some diss. py						
256.0	410.0	MAFIC VOLCANIC Very fine grained to aphanitic Dark green to dark grey green with many breccia characteristics as at 33.0 - 183.6 Scattered diss. py Considerable epidote-carbonate veining, alteration at 274.0 - 279.0 and with 1-2% diss. py						
		320.0 - 320.2 Narrow red-orange hematitized, feldspathized porphyry at 60 deg. TCA - 1% py blebs						
		333.5 - 344.5 Several narrow quartz +/- albite veins mainly at 70 deg. TCA with some associated diss. py						
		345.7 - 346.0 Fault, breccia zone at 80 deg. TCA with 20% angular albitized fragments, porphyry intrusive material and 5% py cubes						
		From 372.0 Lighter green in colour, more sericitic with numerous epidote-carbonate +/- hematite veinlets with various orientation Scattered diss. py						
		From 394.0 Considerably fractured and sheared at 60 deg. TCA; some brecciation and parallel carbonate-epidote +/- quartz veining						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
410.0	427.5	SERICITIZED MAFIC VOLCANIC AND/OR SEDIMENT Green to light green, fine grained Strongly sericitic, foliated to schistose at 60 - 70 deg. TCA Also considerably chloritic Moderately to strongly magnetic, in part may be iron formation Scattered diss. py, quartz-carbonate veining	12601 12602	410.0 413.0	413.0 417.5	3.0 4.5	.001 NIL	
		417.9 - 419.3 Greyish massive quartz vein or possibly porphyry (some feldspar phenocrysts?) with sparse sulphides Upper and lower contacts at 15 deg. TCA	12603 12604 12605	417.5 419.5 423.0	419.5 423.0 427.5	2.0 3.5 4.5	NIL NIL .001	
		Some banding/bedding over last foot						
427.5	440.0	MAGNETITE IRON FORMATION Dark green to dark grey green Fine grained Massive to poorly laminated or shear foliated at 80 deg. TCA Strongly magnetic with up to 5% py diss., bands scattered throughout Variably carbonatized	12606 12607 12608 12609	427.5 430.4 433.0 436.0	430.4 433.0 436.0 440.0	2.9 2.6 3.0 4.0	NIL NIL .001 TR	
		427.5 - 432.0 Laminations (?) defined by 10-15% carbonate bands/laminae, however, may be due to intense shearing/alteration						
		433.0 - 438.3 Silicified						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
440.0	457.7	INTERBEDDED LAMINATED SEDIMENTS AND IRON FORMATION	12610	440.0	442.0	2.0	TR	
		Dark green to light green, fine grained	12611	442.0	443.5	1.5	.001	
		Moderately well laminated, especially in sericitic	12612	443.5	446.0	2.5	NIL	
		sediment sections which are notable at 440.0 - 442.0, 443.0 - 446.2, 447.5 - 455.0						
		Laminae at 70 deg. TCA, although considerable variation due to deformation						
			12613	446.0	448.0	2.0	NIL	
		446.2 - 447.5 Folded (?) iron formation with laminae at	12614	448.0	452.0	4.0	NIL	
		20 deg. TCA (446.2), 0 deg. TCA (446.7)	12615	452.0	455.0	3.0	NIL	
		and 20 deg. TCA (447.5)	12616	455.0	457.7	2.7	.001	
		Up to 5% diss. py in iron formation sections, notably 455.0 - 457.7						
		443.0 - 445.0 Schistosity at 15 deg. TCA						
457.7	475.0	INTERMEDIATE FELDSPAR PORPHYRY	12617	457.7	459.2	1.5	NIL	
		Grey green to pale grey green, porphyritic	12618	459.2	462.0	2.8	NIL	
		to fine grained	12619	462.0	464.5	2.5	NIL	
		Massive to weakly foliated	12620	464.5	467.0	2.5	NIL	
		5% quartz flooding with scattered quartz veining	12621	467.0	469.5	2.5	NIL	
		at 90 deg., 25 deg., 60 deg. TCA	12622	469.5	472.0	2.5	.001	
			12623	472.0	475.0	3.0	.001	
		459.0 - 461.0 Prominent 60 deg. TCA foliation; somewhat more felsic looking						
		Occassional chlorite +/- sericite-filled fractures at various orientations						
		1-2% finely diss. py						
		Upper contact is a quartz vein zone at 50 deg. TCA;						
		Lower contact sharp at 90 deg. TCA						
		468.0 - 468.8 Magnetic diorite or IF inclusion						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
475.0	495.7	MAGNETITE IRON FORMATION AND INTERBEDDED PYRITIC SEDIMENTS						
		Dark green to grey green, generally fine grained	12624	475.0	477.5	2.5	NIL	
		Moderately carbonatized	12625	477.5	479.5	2.0	.007	
			12626	479.5	481.5	2.0	.001	
		475.0 - 485.5 Massive with 10-15% irregular carbonate patches and some chloritic-sericitic schistose sections; up to 10% diss. py; 20-40% magnetite; in part may be mafic volcanic	12627	481.5	482.5	1.0	.001	
			12628	482.5	486.5	4.0	.002	
			12629	486.5	490.0	3.5	.001	
			12630	490.0	492.0	2.0	.001	
			12631	492.0	494.0	2.0	.015	
			12632	494.0	495.7	1.7	.006	
		Schistosity/foliation at 70 - 80 deg. TCA						
		481.5 - 482.0 Silicified with 20% diss., masses py						
		485.5 - 495.7 Moderately well laminated with numerous chloritic, sericitic, carbonate laminae; some tuffaceous and coarser, possibly dioritic-looking sections						
		Contains 15-20% carbonate-ankerite +/- quartz veins, fragments; veins trend parallel laminations/schistosity at 20 deg. TCA on average						
		Up to 5% diss. py						
		490.0 - 495.7 Strongly silicified/albitized with 10-15% finely diss. py, some masses						
		Locally 20%						
		In part, section 489.6 - 495.7 may be altered ultramafic						
		Laminations throughout, frequently deformed and brecciated						
		Last 1.7 feet, strongly sheared, mylonitic at 70 deg. TCA						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
495.7	502.8	ULTRAMAFIC-MAFIC VOLCANIC Green to bluish grey green, fine to medium grained Sericitized, carbonatized and moderately talcose 30% irregular and bleb-form carbonate-talc alteration Strongly sheared to schistose at 70 - 80 deg. TCA Scattered diss. py; a few quartz +/- ankerite veins with py, esp. at 501.5 Silicified to base Upper contact 85 deg. TCA Strongly magnetic	12633 12634	495.7 499.7	499.7 502.8	4.0 3.1	.001 .002	
502.8	506.7	FELDSPAR PORPHYRY, SILICIFIED VOLCANIC Fine to medium grained with 10-20% carbonatized feldspar phenocrysts Grey to bluish grey With 5% finely diss. py Magnetic and some sections apparently silicified volcanic Upper contact 80 deg. TCA, lower contact diffuse, but approx. 80 deg. TCA	12635 12636	502.8 504.8	504.8 506.7	2.0 1.9	.001 .002	
506.7	522.0	SERICITE-CHLORITE-TALC SCHIST Similar to 495.7 - 502.8, however generally better developed schistosity at 80 deg. TCA In part may be sediment 513.6 - 514.2 Feldspar porphyry similar to 502.8 - 506.7 and with 5% diss., stringers py Scattered diss. py in host	12637 12638 12639	506.7 508.7 513.0	508.7 513.0 514.5	2.0 4.3 1.5	.003 .001 .001	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
522.0	538.3	SERICITE-CHLORITE SCHIST, SEDIMENT AND IRON FORMATION Grey green to bluish grey green with some laminations (mylonite?) Sericite-chlorite schist is somewhat magnetic and may be sheared, altered volcanic Magnetite iron formation sections, somewhat silicified at 522.7 - 525.7 (in part porphyry intruded), 534.3 - 536.5 and contain 2-5% diss., masses py Schistosity/foliation at 60 - 70 deg. TCA 527.0 - 528.0 Pyritic carbonatized and chloritized magnetic mafic tuff or volcanic; 10% diss., blebs, stringers of py	12640	522.0	524.0	2.0	.001	
			12641	524.0	526.0	2.0	.002	
			12642	526.0	528.5	2.5	.006	
			12643	528.5	532.5	4.0	.001	
			12644	532.5	534.3	1.8	.016	
			12645	534.3	538.0	3.7	.002	
			12646	538.0	540.8	2.8	.002	
538.3	540.8	QUARTZ-VEINED ULTRAMAFIC-MAFIC VOLCANIC Green to grey green, fine to medium grained and brecciated Similar to 506.7 - 522.0 with 25% white to greyish quartz veining and flooding Contains up to 5% large blebs and fine diss. of py, mainly in host, but occasionally in vein material, particularly over first foot						
540.8	548.0	BRECCIATED, ALTERED ULTRAMAFIC-MAFIC VOLCANIC Similar to preceding unit; intensely brecciated with numerous carbonate-ankerite fragments roughly foliated 80 deg. TCA contorted and crenulated shear bands 10% diss. py cubes 543.2 - 543.5 Quartz +/- porphyry vein with 5% py in host	12647	540.8	543.5	2.7	.004	
			12648	543.5	548.0	4.5	.002	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
548.0	557.3	INTERBEDDED MAGNETITE IRON FORMATION AND SERICITE-CHLORITE SCHIST Light grey green, fine grained Strongly foliated (laminated?) to schistose at 75-80 deg. TCA Moderately to strongly silicified in magnetite rich sections; also carbonatized Contains 5-8% diss. +/- bands of py 553.0 - 556.4 Sericite-chlorite schist section with 1-2% py cubes Scattered, narrow quartz veins in both IF and schist, some containing py 555.5 - 556.4 Some brecciation with 30% quartz flooding and 5% py in host	12648A 12649 12650 12651 12652	548.0 549.0 551.5 553.5 555.5	549.0 551.5 553.5 555.5 557.3	1.0 2.5 2.0 2.0 1.8	.140* .350* .180* .038 .190*	.010 NIL NIL .010 NIL
557.3	582.4	ULTRAMAFIC-MAFIC VOLCANIC, TALC-CHLORITE +/- SERICITE SCHIST Similar to 540.8 - 548.0 with numerous carbonate-ankerite alteration patches and fragments; also as stockworks here and there Schistosity well developed and irregular i.e. at 563.0 - 573.0 at 10 deg. TCA Contains up to 5% diss. py esp. in some chloritic sections as at 559.0 - 559.5 Occasional feldspar porphyry dykelets i.e. over last foot 576.4 - 578.4 Quartz flooding zone in brecciated rock with 5-10% py Silicified from 578.4 Lower contact at 70 deg. TCA	12653 12654 12655 12656 12657 12658 12659 12660 12661	557.3 560.0 564.0 568.0 572.0 574.0 576.4 578.4 580.0	560.0 564.0 568.0 572.0 574.0 576.4 578.4 580.0 582.4	2.7 4.0 4.0 4.0 2.0 2.4 2.0 1.6 2.4	.003 .002 .001 .001 .006 .001 .009 .006 .004	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
582.4	593.5	MAGNETITE IRON FORMATION	12662	582.4	585.6	3.2	.067*	TR
		Fine to medium grained	12663	585.6	589.0	3.4	.100*	.110*
		Grey green to light grey green	12664	589.0	591.0	2.0	.280*	.090*
		Silicified and carbonatized with 10-20% diss. py; strongly magnetic	12665	591.0	593.5	2.5	.120*	NIL
		Strongly foliated with some hint of laminations at 50 deg. TCA; in part may be mylonitized diorite owing to some chloritic/biotitic groundmass and some granular carbonate or altered feldspars						
		Some quartz veining and flooding (parallel foliation) particularly from 589.0; sulphides occasionally associated						
593.5	606.5	VEINED, PYRITIC AND ALTERED MAFIC-ULTRAMAFIC VOLCANIC	12666	593.3	595.8	2.5	.004	
		Light grey green to bluish grey green, fine grained	12667	595.8	598.0	2.2	.032	
			12668	598.0	600.0	2.0	.008	
		593.5 - 595.8 Silicified with 25% quartz flooding, veining in somewhat brecciated rock; up to 5% diss. py mainly in host rock	12669	600.0	602.0	2.0	.003	
			12670	602.0	605.0	3.0	.009	
			12671	605.0	606.5	1.5	.002	
		Also considerable sericite						
		Strongly foliated to schistose with variable attitudes						
		595.8 - 602.0 15% carbonate-ankerite veining (+/- quartz) stockwork in strongly sericitic rock with schistosity at 0 deg. TCA; contains 5% diss. py						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
593.5	606.5	VEINED, PYRITIC AND ALTERED MAFIC-ULTRAMAFIC VOLCANIC (Cont'd) 602.0 - 605.5 Sericite-chlorite +/- talc schist with 1-3% diss. py, some carbonate-ankerite veining, patches Schistosity at 50 - 80 deg. TCA 605.5 - 606.5 Carbonatized, silicified with some brecciation						
606.5	618.3	ULTRAMAFIC VOLCANIC Fine grained, light bluish grey With 15% ankerite-carbonate veining, patches, fragments Strongly schistose and talcose in places at 75 deg. TCA Minor diss. py	12672	606.5	608.5	2.0	.006	
618.3	637.7	SERICITE-CHLORITE +/- TALC SCHIST Fine grained, grey green to light grey green with 15% carbonate-ankerite bands and irregular alteration patches Schistosity at 70 deg. TCA Some scattered diss. py Talcose over last 4 feet						
637.7	649.3	ULTRAMAFIC VOLCANIC, TALC-CHLORITE SCHIST Similar to 606.5 - 618.3						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
649.3	659.8	ULTRAMAFIC-MAFIC VOLCANIC Fine grained, grey green to bluish grey green Relatively massive appearance, however schistosity well developed at 70 - 80 deg. TCA Moderately to strongly sericitic, especially over last foot Scattered carbonate and talc alteration as bands, wisps, blebs Sparse sulphides						
659.8	666.6	MAFIC-INTERMEDIATE INTRUSIVE Fine - medium grained, grey green to grey; massive Intergranular texture in general, but feldspar porphyritic from 663.5 Carbonatized, moderately sericitized With 15% magnetite, 2-5% finely diss. py 10-15% carbonate +/- albite stringers, veinlets at various orientations frequently containing py Upper contact 90 deg. TCA, lower contact 70 deg. TCA characterized by chlorite-biotite alteration	12674 12675 12676	659.8 661.8 664.8	661.8 664.8 666.6	2.0 3.0 1.8	.001 TR TR	
666.6	689.0	ULTRAMAFIC-MAFIC VOLCANIC Similar to 649.3 - 659.8 With 10-15% carbonate-ankerite veining, alteration patches Some sericitic-chloritic sections	12677	666.6	668.6	2.0	NIL	
689.0	692.2	MAFIC-INTERMEDIATE INTRUSIVE Similar to 659.8 - 666.6 With 15-20% diss., blebs magnetite plus 2-5% diss. py Also with 2% irregular quartz +/- carbonate veining with various orientations and containing large py +/- cp blebs Upper contact at 60 deg. TCA with chlorite +/- biotite alteration; lower contact 60 deg. TCA with talc-carbonate alteration	12678 12679 12680	689.0 690.0 691.0	690.0 691.0 692.2	1.0 1.0 1.2	.001 .002 .002	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
692.2	738.5	ULTRAMAFIC-MAFIC VOLCANIC Similar to 649.3 - 659.8 Strongly sheared and brecciated at 692.2 - 704.0 with some diss. py 710.0 - 710.5 Possible carbonate-biotite-py altered pillow selvedges within a zone of intense shearing at 60 deg. TCA from 710.0 - 717.0	12681 12682	692.2 694.2	694.2 698.2	2.0 4.0	.001 .001	
738.5	746.8	SERICITIZED, PYRITIC AND SHEARED ULTRAMAFIC-MAFIC VOLCANIC Grey green to grey and light grey green Strongly schistose/sericitic at 50 deg. TCA 15-20% carbonate-ankerite irregular patches and blebs 1-3% diss. py Particularly sericitic and pyritic (5-8%) at 738.7 - 739.0, 745.3 - 746.4	12683 12684 12685 12686 12687	737.0 738.5 740.0 743.0 745.0	738.5 740.0 743.0 745.0 747.0	1.5 1.5 3.0 2.0 2.0	TR TR TR TR TR	
746.8	754.8	ULTRAMAFIC VOLCANIC Grey green to bluish grey green Fine grained, massive Somewhat brecciated and sericitized, carbonatized, chloritized 1-3% carbonate +/- sericite veins with large py blebs; vein orientations erratic Lower contact at 50 deg. TCA and pyritic	12688 12689 12690	747.0 750.0 752.5	750.0 752.5 754.8	3.0 2.5 2.3	.001 TR NIL	
754.8	766.0	MAFIC VOLCANIC, DIORITE Green, fine to medium grained, intergranular, massive Numerous thin carbonate stringers, mainly at low angles TCA Carbonate-py stringers to base Lower contact 60 deg. TCA Generally finer grained at contacts						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
766.0	771.2	ULTRAMAFIC VOLCANIC Similar to 746.8 - 754.8 with some irregular and stockwork-like serpentine/talc +/- carbonate veinlets, bleaching Some py here and there Strongly magnetic						
771.2	784.4	DIORITE-GABBRO Similar to 754.8 - 766.0 Coarser grained; however, fine grained at contacts Upper contact at 60 deg. TCA, lower contact 70 deg. TCA Moderately carbonatized Some biotite (?) in matrix Generally not magnetic						
784.4	805.1	ULTRAMAFIC VOLCANIC Similar to 746.8 - 754.8						
805.1	834.0	DIORITE-GABBRO Similar to 754.8 - 766.0 Upper contact at 80 deg. TCA, lower contact 50 deg. TCA with serpentinization						
834.0	974.0	ULTRAMAFIC VOLCANIC Similar to 746.8 - 766.0 and variably serpentinized Scattered carbonate-ankerite patches and veinlets; some minor py included, traces py						
	974.0	END OF HOLE						

MINROC MANAGEMENT LIMITED

DRILL LOG - FOURAX II PROPERTY

HOLE NO.: FX-9078 TOWNSHIP: FOURNIERE, QUE. CORE SIZE: BQ

COORDINATES: L18+00E RANGE: X DRILLED BY: FORAGE MODERNE INC.
4+75N

COLLAR ANGLE: -50 DEG. LOT NO.: DATE STARTED: 19/01/90

LOCATED FROM: BL CLAIM NO.: 335177-4 DATE COMPLETED: 19/01/90

AZIMUTH: 205 DEG. LOGGED BY: N.O. WILLOUGHBY

LENGTH: 591 FT. PAGE: 1 OF 10

DEPTH	AZIMUTH	ANGLE READ	ANGLE ACTUAL
200 FT.	205		-49 DEG.
400 FT.	205		-47 DEG.
561 FT.	205		-44 DEG.

REMARKS:

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
0.0	46.0	OVERBURDEN					
46.0	57.0	PILLOWED MAFIC VOLCANIC Green to dark green fine grained to aphanitic; massive Several epidote-carbonate-albite +/- quartz, py altered/filled pillow selvedges					
57.0	94.4	SHEARED MAFIC VOLCANIC Green to dark green, fine grained Strongly sheared at 20 - 30 deg. TCA Several discrete carbonate, chlorite and sericite shears also as bands, irregular patches Scattered diss. py Some possible flow or pillow breccia Occasional quartz-albite veining parallel shearing From 88.0, large amphibole phenocrysts					
94.4	104.0	CHLORITIC TUFF OR MAFIC VOLCANIC Green, very fine grained and soft Moderately sheared at 30 deg. TCA Some epidote-carbonate alteration Occasional carbonate bands, patches, veinlets Upper contact at 80 deg. TCA					
104.0	118.7	DIORITE, GABBRO Green, medium grained, generally massive intergranular A few carbonate-chlorite-epidote shears may be pillow selvedges Extremely magnetic with 20% diss., blebs of magnetite Also with 10-15% vugs Minor diss. py, but with numerous chlorite +/- carbonate-py fractures at various orientations Several narrow quartz-ankerite veins at low angle TCA, notably 113.0 - 115.0 Fining in texture to base					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
118.7	125.5	MAFIC VOLCANIC Green to light green, fine grained Massive to moderately sheared at 40 deg. TCA Strongly magnetic and may in part be iron formation A chloritic (tuff?) section form 121.5, similar to 94.4 - 104.0 Gradational contact with overlying unit To 121.5, somewhat carbonatized					
125.5	142.4	INTERBEDDED MAGNETITE IRON FORMATION AND MAGNETIC CHLORITIC TUFF Fine grained, green to grey green Moderately to strongly laminated to shear foliated at 45 deg. TCA In part may be mafic volcanic 125.5 - 128.5 Massive, very fine grained, grey and vuggy 128.5 - 137.0 Dark green, green and brownish green (biotite?) alternating laminae; some sericitic sections 137.0 - 139.0 Chloritic tuff, sheared at 40 deg. TCA A 3" chlorite-amphibole alteration zone at base	12691	138.0	142.4	4.4	NIL
142.4	156.3	SILICIFIED PYRITIC SEDIMENT OR IRON FORMATION Light grey to light grey green, fine to medium grained Some intergranular texture suggests possibly a diorite Previously carbonatized, subsequently silicified (albitized?); occurs as masses, irregular patches and elliptical bleb-like grains comprising 85% of rock Groundmass mainly chloritic Section contains 10-20% py, as diss., blebs mainly in groundmass Intensely sheared at 50 deg. TCA	12692 12693 12694 12695 12696 12697 12698	142.2 143.9 144.9 148.0 150.5 152.5 154.0	143.9 144.9 148.0 150.5 152.5 154.0 156.3	1.7 1.0 3.1 2.5 2.0 1.5 2.3	NIL .001 NIL NIL NIL TR NIL

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
142.4	156.3	SILICIFIED PYRITIC SEDIMENT OR IRON FORMATION (Cont'd) 143.9 - 144.9 Chloritic shear with carbonate From 154.0 3-5% quartz/porphyry veining and flooding					
156.3	160.8	SHEARED, ALTERED DIORITE, MAFIC VOLCANIC Green, medium grained Strongly sheared and chloritic +/- sericite, amphibole; at 25 - 50 deg. TCA 158.0 - 159.5 A massive section similar to 104.0 - 118.7 1-2% sulphides; some carbonatization Upper and lower contacts at 60 deg. TCA, parallel schistosity at these points	12699	156.3	160.8	4.5	NIL
160.8	171.8	SHEARED INTERBEDDED MAGNETITE IRON FORMATION AND CHLORITIC TUFF Green to grey green, fine grained Intensely sheared and laminated (shear induced?) at 50 deg. TCA on avg. Strongly magnetic Possibly a sheared diorite, volcanic Apparent laminations discontinuous and disrupted; defined by carbonate-ankerite (?) alternating with wider chloritic bands Section contains 3% diss. py, 3-5% white to grey siliceous (carbonate, ankerite +/- quartz) laminae, fragments and veinlets 163.3 - 166.5 Softer and sericitic with schistosity at 0 - 15 deg. TCA	12700 12701 12702 12703	160.8 163.3 166.5 169.5	163.3 166.5 169.5 171.8	2.5 3.2 3.0 2.3	.008 .006 .006 TR

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
171.8	173.2	SILICA FLOODED FELDSPAR PORPHYRY Fine grained, pale pinkish grey 1-2% finely diss. py Shear foliated at 50 deg. TCA With 3-5% silica flooding Upper and lower contacts irregular at approx. 50 deg. TCA	12704	171.8	173.2	1.4	NIL
173.2	185.3	SHEARED AND ALTERED DIORITE Fine - medium grained, green to light grey green Foliated to massive 173.2 - 175.9 181.2 - 183.3 Strongly carbonatized 182.5 - 183.3 5% diss. py; foliation at 60 deg. TCA 177.8 - 180.8 Massive Minor diss. py throughout Strongly magnetic	12705	173.2	175.9	2.7	NIL
			12706	175.9	177.8	1.9	NIL
			12707	177.8	180.8	3.0	NIL
			12708	180.8	182.3	1.5	TR
			12709	182.3	183.3	1.0	.003
			12710	183.3	185.3	2.0	NIL
185.3	187.0	LAMINATED IRON FORMATION AND SERICITE-CHLORITE SCHIST Finely laminated, grey green to light grey green, fine grained Laminations at 88 deg. TCA With 5-8% diss. py Chloritic and with 5% ankerite-quartz veins over last 0.5 ft.; subparallel to laminations; somewhat irregular	12711	185.3	187.0	1.7	.002

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
187.0	196.7	SERICITE-CHLORITE +/- TALC SCHIST	12712	187.0	189.7	2.7	NIL
		Dark green to grey green, fine grained	12713	189.7	192.5	2.8	.002
		With up to 15-20% irregular quartz-ankerite +/-	12714	192.5	196.7	4.2	.004
		carbonate veins at 189.7 - 191.5					
		Schistosity at 80 deg. TCA					
		Apparently laminated in places					
		1-3% diss. py					
196.7	202.4	TALC-SERICITE-CHLORITE SCHIST, ULTRAMAFIC VOLCANIC	12715	196.7	199.0	2.3	NIL
		Grey green, fine grained with schistosity at 88 deg.	12716	199.0	202.4	3.4	.001
		TCA					
		With 20% carbonate alteration blebs, irregular patches;					
		some ankerite veins parallel schistosity					
		Scattered diss. py					
202.4	204.0	ANKERITE-CARBONATE-VOLCANIC BRECCIA ZONE	12717	202.4	204.0	1.6	.005
		Grey green to pale grey green					
		Fine to medium grained with 35-45% white to pale green					
		ankerite-carbonate matrix supporting angular to rounded					
		green volcanic fragments					
		Also scattered white/grey carbonate and yellow green					
		sericite fragments					
		With up to 5% diss. py					
		Upper and lower contacts at 80 deg. TCA, parallel					
		schistosity					
204.0	220.4	SERICITE-CHLORITE +/- TALC SCHIST	12718	204.0	207.0	3.0	TR
		Similar to 196.7 - 202.4					
		With 1% finely diss. py	12719	215.5	217.0	1.5	.001
		Pyritic concentrations at 217.4 - 218.0,	12720	217.0	218.5	1.5	TR
		219.9 - 220.4, approx. 3-5%	12721	218.5	220.4	1.9	TR

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
220.4	221.8	INTERMEDIATE INTRUSIVE Grey, fine grained Somewhat siliceous with some quartz veining, flooding to base at 35-40 deg. TCA Section contains 10% diss., blebs and masses of py Upper contact 80 deg. TCA, lower contact 35 deg. TCA	12722	220.4	221.8	1.4	.001
221.8	237.0	CARBONATIZED ULTRAMAFIC VOLCANIC Fine grained grey green to green Strongly schistose at 70 - 80 deg. TCA, mainly sericite-chlorite schist With 55-60% small white to grey irregular carbonate +/- ankerite blebs, patches, veins plus some talcose masses Generally minor diss. py	12723	221.8	225.0	3.2	.001
			12724	225.0	227.0	2.0	.002
		227.3 - 227.5 3-5% diss. py	12725	227.0	228.0	1.0	.001
			12726	228.0	232.0	4.0	TR
		235.7 - 236.3 Siliceous with 5% py masses, diss.	12727	232.0	235.0	3.0	.002
			12728	235.0	237.0	2.0	.001
237.0	246.0	QUARTZ VEINED ULTRAMAFIC-MAFIC VOLCANIC Green to grey green, fine grained Variably carbonatized, similar to preceding section With 2-5% quartz veining and flooding	12729	237.0	238.0	1.0	.077*
			12730	238.0	239.0	1.0	.061*
			12731	239.0	240.5	1.5	.021
			12732	240.5	243.0	2.5	.003
		238.5 - 238.8 Quartz vein at 50 deg. TCA and contains 15% stringers, blebs py mainly in host and chlorite inclusions in vein	12733	243.0	245.0	2.0	.003
			12734	245.0	246.0	1.0	.051*
		240.7 - 242.6 White irregular quartz veining; lower contact at 80 deg. TCA					
		245.0 - 246.0 Several irregular white quartz veins with 5% py over last inch					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
246.0	276.6	ULTRAMAFIC VOLCANIC	12735	246.0	247.5	1.5	.011
		Fine grained, light grey green to grey green and	12736	247.5	250.0	2.5	.002
		bluish green	12737	250.0	253.0	3.0	.001
		Moderately schistose at 80 deg. TCA	12738	253.0	257.0	4.0	.001
		Variably carbonatized	12739	257.0	261.0	4.0	.004
		5% carbonate-ankerite veins, patches	12740	261.0	265.0	4.0	TR
		Occasional pyritic sections (2-5% diss. py) as at	12741	265.0	267.5	2.5	.001
		250.0 - 252.7, 265.0 - 269.0	12742	267.5	270.0	2.5	NIL
			12743	270.0	274.5	4.5	NIL
		265.0 - 276.6, less carbonate-ankerite veins	12744	274.5	276.1	1.6	.006
		275.0 - 275.5 Ankerite-quartz vein at 5 deg. TCA with 1-2% py splashes					
276.6	286.3	FELDSPAR PORPHYRY INTRUDED ULTRAMAFIC VOLCANIC	12745	276.6	277.6	1.0	NIL
		Grey to greyish green fine grained porphyry with	12746	277.6	280.3	2.7	NIL
		2% diss. py	12747	280.3	282.9	2.6	NIL
		Intrudes talcose ultramafic volcanic at 276.6 - 277.6,	12748	282.9	284.5	1.6	NIL
		280.3 - 282.9, 284.5 - 286.3 with contacts at	12749	284.5	286.3	1.8	NIL
		60 deg., 60 deg. and 35 deg. respectively					
286.3	300.0	LAMINATED IRON FORMATION, SERICITE-CHLORITE +/- TALC SCHIST	12750	286.3	291.0	4.7	TR
		Apparently finely laminated, however possibly	12751	291.0	295.0	4.0	NIL
		shear-induced, i.e., may be volcanic	12752	295.0	296.5	1.5	.019
		Variably carbonatized	12753	296.5	298.0	1.5	.002
		Laminations/schistosity at 60 deg. TCA	12754	298.0	300.0	2.0	.001
		In general, 1-2% diss. py					
		295.5 - 296.5 Siliceous with quartz veining and 10% diss., masses py					
		291.5 - 298.0 Intensely sheared at 35 deg. TCA with scattered py					
		Quartz vein at 80 deg. TCA over last foot					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
300.0	307.8	MAFIC-ULTRAMAFIC VOLCANIC, SERICITE-CHLORITE SCHIST Green to grey green, fine grained Schistosity at 80 deg. TCA Some ankerite-carbonate veins parallel schistosity					
307.8	357.2	ULTRAMAFIC VOLCANIC Fine grained, grey green to bluish grey green					
		307.8 - 333.0 Strongly schistose at 70-90 deg. TCA					
		From 333.0 Relatively massive with 3% carbonate +/- ankerite and serpentine veining, mainly subparallel foliation (70-80 deg. TCA)	12755 12756	328.0 330.5	330.5 333.0	2.5 2.5	NIL NIL
		328.0 - 333.0 Generally sparse py; 2-3% diss. py					
357.2	366.0	MAFIC-ULTRAMAFIC VOLCANIC Similar to preceding unit, somewhat greener in colour and harder Upper contact at 90 deg. TCA with a 7" wide coarse amphibole-chlorite section					
366.0	378.0	DIORITE (INTRUSIVE) Green, medium grained, massive Some large magnetite cubes Scattered carbonate-chlorite patches and veinlets Over last 1.5 feet, fractured with 1-3% py blebs in carbonate fracture fillings Upper and lower contacts at 80 deg. TCA characterized by 4" wide fine chlorite layer					
378.0	384.0	MAFIC-ULTRAMAFIC VOLCANIC Similar to 357.2 - 366.0					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
384.0	591.0	ULTRAMAFIC VOLCANIC Similar to 307.8 - 357.2 390.5 - 435.5 Strongly sheared and schistose at 60 - 80 deg. TCA From 443.0 Massive and medium grained; peridotitic with large scattered py cubes A few pillow selvedges notably at 531.0, 540.0 Several carbonate-ankerite veinlets at various orientations Serpentine veins abundant from 540.0					
	591.0	END OF HOLE					

MINROC MANAGEMENT LIMITED

DRILL LOG - FOURAX II PROPERTY

HOLE NO.: FX-9079 TOWNSHIP: FOURNIERE, QUE. CORE SIZE: BQ

COORDINATES: L16+00E 4+75N RANGE: X DRILLED BY: FORAGE MODERNE INC.

COLLAR ANGLE: -50 DEG. LOT NO.: DATE STARTED: 19/01/90

LOCATED FROM: BL CLAIM NO.: 335177-4 DATE COMPLETED: 23/01/90

AZIMUTH: 205 DEG. LOGGED BY: L. MELCHIORRE

LENGTH: 472 FT. PAGE: 1 OF 12

DEPTH	AZIMUTH	ANGLE READ	ANGLE ACTUAL
200 FT.	205		-50 DEG.
400 FT.	205		-47 DEG.

REMARKS:

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
0.0	33.0	OVERBURDEN					
33.0	35.8	SHEARED MAFIC VOLCANIC Dark green Fine grained Approx. 20% coarse randomly oriented acicular amphibole Sheared 30 deg. TCA Some quartz + carb injection follows foliation Trace pyrite associated with veining					
		33.0 - 33.2 Granite porphyry dyke parallel TCA 1% disseminated pyrite	12823	33.0	35.8	2.8	TR
		Lower contact sheared 5 deg. TCA					
35.8	84.0	GRANITE PORPHYRY Dark grey Coarse grained 1 cm. light grey to pinkish zoned feldspars in a matrix of coarse 2-3 mm feldsaprs and grey aphanitic groundmass 45% coarse (approx. 2-3 mm) feldspars 40% aphanitic greyish groundmass (mafics) 10% quartz 5% 1 cm feldspar Moderately abundant white quartz veining 20 - 50 deg. TCA Massive to moderately sheared 40 - 50 deg. TCA Trace dissem. py and 2% py associated with veining	12824	35.8	39.0	3.2	.001
			12825	39.0	42.2	3.2	TR
			12826	42.2	45.6	3.4	TR
			12827	45.6	49.0	3.4	.001
			12828	49.0	51.6	2.6	.004
			12829	51.6	55.1	3.5	.001
			12830	55.1	59.0	3.9	.001
			12831	59.0	62.4	3.4	.001
			12832	62.4	65.6	3.2	NIL
			12833	65.6	69.9	4.3	TR
			12834	69.9	73.6	3.7	TR
			12835	73.6	77.3	3.7	.001
		77.3 - 78.0 Very sheared 40 deg. TCA 1% fine disseminated py Lower contact 50 deg. TCA	12836	77.3	80.8	3.5	.002

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
35.8	84.0	GRANITE PORPHYRY (Cont'd)					
		78.0 - 79.5 A section of mafic volcanic					
		79.5 - 84.0 Granite porphyry Strongly sheared 30 deg. TCA Up to 3% disseminated pyrite Upper contact 30 deg. TCA Lower contact 30 deg. TCA	12837	80.8	84.0	3.2	.001
		84.0 - 101.9 Sheared mafic volcanic Sheared at 40 deg. TCA Tr. to 2% diss. py Abundant quartz-carb. veining + 5% py at upper contact					
		83.8 - 84.0 Quartz + carb + chlorite vein 50 deg. Trace pyrite					
			12838	84.0	86.6	2.6	.001
		84.0 - 101.9 Abundant ankerite injection Strongly sheared 2% py	12839	86.6	89.5	2.9	.002
			12840	89.5	93.2	3.7	.003
			12841	93.2	96.3	3.1	.001
			12842	96.3	98.8	2.5	.001
			12843	98.8	101.9	3.1	.002
101.9	133.9	MAGNETITE IRON FORMATION					
		Greenish black	12844	101.9	105.6	3.7	.009
		Strongly silicified, hard	12845	105.6	108.0	2.4	.004
		Upper contact diffuse					
		Generally medium grained, appears dioritic with equigranular texture					
		Strongly sheared 40 deg. TCA					
		Abundant ankerite injection along foliation planes					
		Some quartz veining with trace pyrite 40 deg. TCA					
		Up to 15% disseminated pyrite locally					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
101.9	133.9	MAGNETITE IRON FORMATION (Cont'd)					
		105.6 - 109.0 Ankerite veinlets parallel TCA Contains trace pyrite, tourmaline					
		105.6 Rock increasingly broken up down core Fractures parallel TCA, 30 deg. TCA 40 deg. TCA					
		108.0 - 126.5 Pink carbonate + qtz + py + galena + cp in fractures. Fractures trend perpendicular TCA to 40 deg. TCA Fractures dispersed throughout	12846	108.0	110.7	2.7	.001
			12847	110.7	112.8	2.1	TR
			12848	112.8	115.7	2.9	.004
			12849	115.7	117.0	1.3	.001
			12850	117.0	119.1	2.1	.002
			12851	119.1	121.9	2.8	.002
			12852	121.9	124.8	2.9	.006
			12853	124.8	127.8	3.0	NIL
			12854	127.8	131.4	3.6	.003
			12855	131.4	133.9	2.5	.010
133.9	148.8	LAMINATED SEDIMENT, SERICITE-CHLORITE +/- TALC SCHIST					
		133.9 - 139.5 Sericitic-chloritic sediments Upper contact broke up Light green Fine grained Moderately hard, magnetic Moderately sheared 50 deg. TCA Ankerite injection following foliation Appears laminated in places - same direction as foliation	12856	133.9	136.0	2.1	NIL
			12857	136.0	138.0	2.0	NIL
			12858	138.0	141.7	3.7	TR
		139.5 - 142.7 Talcose-chloritic sediments Bluish grey Similar in other respects to 133.9 - 139.5 Upper and lower contacts gradational	12859	141.7	145.6	3.9	.003

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
133.9	148.8	LAMINATED SEDIMENT, SERICITE-CHLORITE +/- TALC SCHIST (Cont'd)					
		142.7 - 148.8 Sericite-chlorite schist Sheared 60 deg. TCA Appears laminated - same direction as schistosity	12860	145.6	148.8	3.2	NIL
148.8	151.6	FELDSPAR PORPHYRY AND QUARTZ VEIN					
		148.8 - 150.6 Sheared, altered porphyritic dyke Chlorite and potassium alteration Silicified Sheared strongly 40 deg. TCA Upper contact sharp 60 deg. TCA Trace dissem py	12861	148.8	151.6	2.8	TR
		150.6 - 151.6 Quartz vein Chlorite fracture filling 50 deg. TCA					
151.6	201.7	LAMINATED SEDIMENTS, SERICITE-CHLORITE +/- TALC SCHIST WITH SOME IRON FORMATION					
		151.6 - 152.8 Magnetite iron formation Medium green Fine grained Moderately hard Strongly sheared 40 - 50 deg. TCA Ankerite injection along foliation Distorted in places Trace pyrite	12862	151.6	153.8	2.2	NIL

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
151.6	201.7	LAMINATED SEDIMENTS, SERICITE-CHLORITE +/- TALC SCHIST WITH SOME IRON FORMATION (Cont'd)					
		152.8 - 154.0 Sericitic-chloritic sediments Sheared 40 deg. TCA Upper contact broken up	12863	153.8	157.0	3.2	.001
		154.0 - 157.0 Talcose-sericitic sediments (?) Upper contact broken up Sheared 50 deg. TCA					
		157.0 - 164.1 Sericitic-chloritic sediments Strongly sheared 40 - 60 deg. TCA Rare to abundant ankerite injected along foliation	12864 12865 12866 12867	157.0 159.6 162.5 166.2	159.6 162.5 166.2 170.1	2.6 2.9 3.7 3.9	TR .001 .002 NIL
		157.0 - 160.0 White spots approx. 1mm Aligned along foliation (carbonate?)					
		164.1 - 166.4 Talcose-chloritic sediments (?) Upper contact broken					
		166.4 - 179.0 Sericitic-chloritic sediments Increasing ankerite injection, silicification down core Moderately - strongly magnetic Trace diss. pyrite	12868	170.1	173.6	3.5	.006
		170.7 - 170.9 Porphyritic dyke - 50 deg. TCA					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
151.6	201.7	LAMINATED SEDIMENTS, SERICITE-CHLORITE +/- TALC SCHIST WITH SOME IRON FORMATION (Cont'd)					
		172.5 - 173.2 Sheared, altered porphyritic dyke Similar to 148.8 - 150.6 7% dissem py Upper contact 30 deg. TCA Contacts sharp, silicified Lower contact laminated 40 deg. TCA Magnetite cubes - secondary					
			12869	173.6	177.0	3.4	.001
			12870	177.0	179.8	2.8	.009
		179.0 - 201.7 Iron formation Greenish black. Moderately hard Fine grained Strongly sheared @ 50 deg. TCA Abundant ankerite injection following foliation. Strong carbonatization Up to 2% fine disseminated pyrite	12871	179.8	182.0	2.2	NIL
			12872	182.0	184.9	2.9	NIL
			12873	184.9	187.0	2.1	.001
			12874	187.0	189.5	2.5	.001
			12875	189.5	191.8	2.3	.001
			12876	191.8	194.5	2.7	.001
			12877	194.5	196.2	1.7	.001
		186.7 - 186.9 Porphyritic dyke - same as 148.8 - 150.6 Trace fine pyrite 50 deg. TCA					
			12878	196.2	199.0	2.8	.005
		197.8 - 201.7 Rock less magnetic down core					
		198.0 - 198.2 Quartz + ankerite vein 30 deg. TCA, irregular					
		199.0 - 201.7 Shearing parallel TCA Fold nose?	12879	199.0	201.7	2.7	.003

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
201.7	212.2	SHEARED, ALTERED PORPHYRITIC DYKE	12880	201.7	204.1	2.4	.009
		Grey	12881	204.1	205.8	1.7	.011
		Fine grained					
		Silicified, chloritized, carbonatized					
		Grain boundaries difficult to distinguish					
		Sheared, fractured 50 deg. TCA and fractured parallel TCA					
		Trace to 2% fine disseminated pyrite					
		Upper contact 40 deg. TCA					
		205.5 - 205.8 Quartz + ankerite + albite vein					
		Fuschite fracture filling					
		Chlorite near borders					
		Trace diss. py					
		50 deg. TCA					
		205.8 - 210.8 Quartz and ankerite injected into remnant volcanic	12882	205.8	208.4	2.6	.019
			12883	208.4	211.7	3.3	.006
		Injections ripply - roughly follow 50 deg. TCA					
		Up to 2% fine disseminated pyrite					
		210.8 - 211.7 Porphyry					
		211.7 - 212.2 Talc-chlorite schist					
		Moderately magnetic					
		Lower contact broken up					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
212.2	213.9	MAGNETITE IRON FORMATION Siliceous, hard Bluish grey May be magnetic gabbro (white spots or crystals) look like altered plagioclase Sheared 40 deg. TCA Ankerite filling fractures parallel foliation and at higher and lower angles TCA Stock work fracturing Pyrite + galena associated with ankerite 2% pyrite disseminated in and around fractures Lower contact 50 deg. TCA marked by chloritic horizon	12884	211.7	214.2	2.5	.001
213.9	302.8	SERICITE-CHLORITE SCHIST Medium green Shearing 50 deg. TCA Trace to 1% py disseminations Abundant ankerite injection 247.1 - 247.2 White quartz vein - 60 deg. TCA 220.0 - 221.0 Shearing parallel TCA 254.0 - 255.0 Shearing parallel TCA 258.2 - 258.5 White quartz vein with ankerite at 60 deg. TCA	12885	214.2	216.7	2.5	.001
			12886	216.7	219.0	2.3	.001
			12887	219.0	221.6	2.6	TR
			12888	221.6	223.7	2.1	.001
			12889	223.7	226.1	2.4	.001
			12890	226.1	228.4	2.3	.001
			12891	228.4	231.0	2.6	.026
			12892	231.0	233.0	2.0	.018
			12893	233.0	235.6	2.6	.023
			12894	235.6	237.6	2.0	.002
			12895	237.6	240.1	2.5	.011
			12896	240.1	242.5	2.4	.010
			12897	242.5	245.1	2.6	.002
			12898	245.1	247.2	2.1	.004
			12899	247.2	249.9	2.7	.001
			12900	249.9	252.1	2.2	.002
			12901	252.1	255.4	3.3	.006
			12902	255.4	259.1	3.7	.001
			12903	259.1	263.4	4.3	.001
			12904	263.4	266.6	3.2	TR
			12905	266.6	270.4	3.8	.004

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
213.9	302.8	SERICITE-CHLORITE SCHIST (Cont'd)					
		271.0 - 280.9 Schist is bluish grey - talcose	12906	270.4	273.6	3.2	NIL
			12907	273.6	277.1	3.5	.003
		284.0 - 284.5 Shearing becomes parallel TCA	12908	277.1	280.9	3.8	.005
			12909	280.9	283.2	2.3	.001
		280.9 From here to base, abundant carbonate injection. Mylonitic in places	12910	283.2	286.6	3.4	.003
			12911	286.6	290.4	3.8	.002
			12912	290.4	294.1	3.7	.002
			12913	294.1	297.6	3.5	.002
			12914	297.6	300.9	3.3	.006
302.8	303.6	SILICIFIED, MAGNETITE IRON FORMATION	12915	300.9	303.6	2.7	.641*
		Upper contact 30 deg. TCA	12916	303.6	307.0	3.4	.170*
		Lower contact 20 deg. TCA	12917	307.0	310.4	3.4	.004
		Contact chloritic, pyritiferous					
		Sheared 20 - 30 deg. TCA					
		Bluish grey					
		Banded - magnetic vs non magnetic bands					
		10-15% disseminated pyrite					
303.6	325.0	SERICITE-CHLORITE SCHIST					
		Similar to 213.9 - 302.8					
		310.4 - 327.0 Very broken up					
		313.7 - 314.7 Fault gouge					
		324.3 - 324.9 Fault gouge					
325.0	385.5	TALC-CHLORITE SCHIST					
		325.0 - 472.0 Talcose - schist is bluish					
		325.0 Ground core for 5'					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
325.0	385.5	TALC-CHLORITE SCHIST (Cont'd)					
		335.3 - 336.5 Silicified section	12918	332.2	335.3	3.1	.004
		Biotite rich. Ankerite injected	12929	335.3	338.8	3.5	.002
		Brownish in color	12920	338.8	342.0	3.2	.001
		Upper contact 60 deg. TCA					
		Lower contact 60 deg. TCA					
		338.8 - 366.0 Shearing 20 deg. TCA					
		366.0 - 378.0 Shearing parallel TCA					
			12921	382.3	385.3	3.0	NIL
385.5	387.5	MAGNETIC DIORITIC DYKE OR IRON FORMATION	12922	385.3	388.7	3.4	.001
		Coarse grained	12923	388.7	391.6	2.9	NIL
		Grey					
		Strong carbonate alteration					
		Strongly sheared parallel to 10 deg. TCA					
		1% disseminated pyrite					
		Trace chalcopyrite					
		Upper contact 20 deg. TCA, sheared					
		Lower contact broken up					
387.5	416.9	TALC-CHLORITE SCHIST					
		Similar to 325.0 - 385.5					
		392.3 Some grains of chalcopyrite	12924	391.6	394.5	2.9	NIL
			12925	394.5	397.7	3.2	TR
		414.4 - 415.6 Silicifed, chloritized					
		Coarse random amphibole	12926	413.9	416.9	3.0	NIL
		Trace pyrite					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
416.9	420.0	SILICIFED IRON FORMATION Black Fine grained Stockwork fractures filled with ankerite 5% pyrite mostly in ankerite Upper and lower contacts chloritic Upper contact 70 deg. TCA Lower contact 30 deg. TCA	12927	416.9	420.0	3.1	.001
			12928	420.0	423.0	3.0	NIL
420.0	453.0	TALC-CHLORITE SCHIST Similar to 325.0 - 385.5 428.0 - 429.3 432.0 - 433.0 Fault gouge					
453.0	472.0	MODERATELY SHEARED ULTRAMAFIC VOLCANIC Blue grey. Moderately hard Moderately sheared approx. 40 deg. TCA Little to moderate amount of ankerite injection Very talcose Contact with schist above gradational					
	472.0	END OF HOLE					

MINROC MANAGEMENT LIMITED

DRILL LOG - FOURAX II PROPERTY

HOLE NO.: FX-9080	TOWNSHIP: FOURNIERE, QUE.	CORE SIZE: BQ
COORDINATES: L14+00E 4+75N	RANGE: X	DRILLED BY: FORAGE MODERNE INC.
COLLAR ANGLE: -50 DEG.	LOT NO.:	DATE STARTED: 24/01/90
LOCATED FROM: BL	CLAIM NO.: 335177-4	DATE COMPLETED: 25/01/90
AZIMUTH: 205 DEG.		LOGGED BY: L. MELCHIORRE
LENGTH: 423 FT.		PAGE: 1 OF 12

DEPTH	AZIMUTH	ANGLE READ	ANGLE ACTUAL
200 FT.	205		-50 DEG.
423 FT.	205		-46 DEG.

REMARKS:

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
0.0	26.0	OVERBURDEN					
26.0	56.4	SLIGHTLY SHEARED MAFIC VOLCANIC Medium green Fine grained, hard Sheared and fractured @ 30 - 40 deg. TCA Some carbonate veinlets - parallel shearing Trace scattered pyrite 29.7 - 30.1 Carbonate + epidote vein with trace py @ 10 deg. TCA, irregular 53.8 - 55.3 More strongly sheared and moderately magnetic More abundant ankerite injection 55.3 - 55.6 Non-magnetic 55.6 - 56.4 Slightly magnetic					
56.4	63.8	SLIGHTLY SHEARED ULTRAMAFIC VOLCANIC Blue grey Fine grained Moderately hard Very talcose Strong carbonate alteration and white carbonate spots Stockwork fracturing filled with ankerite Moderately magnetic Upper contact gradational Lower contact 50 deg. TCA					
63.8	69.7	SLIGHTLY SHEARED MAFIC VOLCANIC Similar to 26.0 - 56.4 but moderately magnetic More strongly chlorite, sericite-altered More broken up Stockwork fracturing - ankerite filling Lower contact gradational					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
69.7	81.6	SLIGHTLY SHEARED ULTRAMAFIC VOLCANIC Similar to 56.4 - 63.8 Lower contact gradational					
81.6	85.0	SLIGHTLY SHEARED MAFIC VOLCANIC Similar to 63.8 - 69.7 Lower contact 85 deg. TCA					
85.0	89.3	SLIGHTLY SHEARED ULTRAMAFIC Similar to 56.4 - 63.8 Lower contact 85 deg. TCA					
89.3	93.5	SLIGHTLY SHEARED MAFIC Similar to 63.8 - 69.7 Lower contact gradational					
93.5	94.1	SLIGHTLY SHEARED ULTRAMAFIC Similar to 56.4 - 63.8 Lower contact broken up - 50 deg. TCA					
94.1	95.0	SLIGHTLY SHEARED MAFIC Similar to 63.8 - 69.7 Carbonate spots Lower contact 50 deg. TCA					
95.0	96.5	SLIGHTLY SHEARED ULTRAMAFIC Similar to 56.4 - 63.8 Lower contact broken up					
96.5	100.6	SLIGHTLY SHEARED MAFIC Similar to 63.8 - 69.7 Lower contact 40 deg. TCA					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
100.6	175.8	MAGNETITE IRON FORMATION INTERBEDDED WITH LAMINATED SERICITIC-CHLORITIC SEDIMENTS	12929	100.6	104.2	3.6	NIL
			12930	104.2	106.2	2.0	.005
		Iron formation is black, fine grained, moderately hard	12931	106.2	109.2	3.0	TR
		Moderately to strongly sheared @ 50 deg. TCA at top of unit	12932	109.2	113.5	4.3	NIL
		Lower down core, shearing at lower angle to core axis					
		Strong carbonate alteration					
		Moderately abundant carb injection					
		Vuggy in places					
		Trace to 1% disseminated pyrite					
		100.6 - 111.0 Iron formation					
		Lower contact 60 deg. TCA					
		Rock very broken up between 111.0 - 112.0					
		Trace pyrite					
		111.0 - 112.3 Sericitic-chloritic sediment					
		Variably magnetic					
		Light green, soft					
		Laminated - some laminae non-magnetic					
		Laminae dark and light green					
		Follow foliation					
		Lower contact chloritic, sharp @ 60 deg. TCA					
		112.3 - 112.7 Iron formation					
		1% disseminated pyrite					
		Lower contact sharp - 50 deg. TCA					
		112.7 - 113.2 Sediments					
		Broken up between 113.0 to 113.2					
		113.2 - 113.4 Iron formation					
		Lower contact 35 deg. TCA					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
100.6	175.8	MAGNETITE IRON FORMATION INTERBEDDED WITH LAMINATED SERICITIC-CHLORITIC SEDIMENTS (Cont'd)					
		113.4 - 113.7 Sediments Lower contact 60 deg. TCA	12933	113.5	116.8	3.3	NIL
			12934	116.8	120.2	3.4	NIL
			12935	120.2	123.7	3.5	NIL
		113.7 - 114.0 Iron formation Lower contact 30 deg. TCA	12936	123.7	127.7	4.0	NIL
		114.0 - 114.3 Sediments Lower contact 30 deg. TCA					
		114.3 - 114.7 Iron formation Lower contact 40 deg. TCA					
		114.7 - 115.0 Sediments Lower contact 40 deg. TCA					
		115.0 - 115.5 Iron formation Lower contact broken up					
		115.5 - 116.7 Sediments					
		116.7 - 126.7 Iron formation Lower contact 25 deg. TCA					
		126.7 - 128.0 Sediments Lower contact broken up	12937	127.7	131.3	3.6	.001
			12938	131.3	133.1	1.8	.002
			12939	133.1	136.3	3.2	TR
		128.0 - 134.0 Iron formation Lower contact 20 deg. TCA	12940	136.3	139.6	3.3	TR
		134.0 - 134.4 Sediments Lower contact 25 deg. TCA					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
100.6	175.8	MAGNETITE IRON FORMATION INTERBEDDED WITH LAMINATED SERICITIC-CHLORITIC SEDIMENTS (Cont'd).					
		134.4 - 138.4 Iron formation 1% py Lower contact 40 deg. TCA					
		138.4 - 139.7 Sediments Lower contact broken up	12941	139.6	143.1	3.5	NIL
			12942	143.1	145.9	2.8	TR
			12943	145.9	149.3	3.4	NIL
		139.7 - 140.8 Iron formation Lower contact 40 deg. TCa					
		140.8 - 142.7 Sediments Foliated @ 20 deg. TCA Lower contact broken up					
		142.7 - 143.4 Iron formation 1% disseminated pyrite Lower contact 40 deg. TCA					
		143.4 - 144.3 Sediments Lower contact 30 deg. TCA					
		144.3 - 146.3 Iron formation 2-3% disseminated pyrite Lower contact 50 deg. TCA					
		146.3 - 148.5 Sediments - Lower contact 30 deg. TCA					
		148.5 - 149.3 Iron formation Lower contact 40 deg. TCA	12944	149.3	152.2	2.9	NIL
			12945	152.2	154.6	2.4	NIL
			12946	154.6	157.8	3.2	NIL
		149.3 - 151.2 Sediments Lower contact broken up	12947	157.8	161.4	3.6	TR
			12948	161.4	164.5	3.1	.001
			12949	164.5	167.2	2.7	NIL

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
100.6	175.8	MAGNETITE IRON FORMATION INTERBEDDED WITH LAMINATED SERICITIC-CHLORITIC SEDIMENTS (Cont'd)					
		151.2 - 164.0 Iron formation Lower contact broken up	12950 12951	167.2 170.5	170.5 173.2	3.3 2.7	NIL NIL
		164.0 - 165.0 Sediments Sheared 20 deg. TCA Abundant ankerite injection parallel shearing Lower contact broken up					
		165.0 - 172.5 Iron formation Sheared 20 deg. TCA Lower contact 40 deg. TCA					
		172.5 - 175.5 Sediments More chloritic than previous Laminae disrupted Lower contact 30 deg. TCA Approx. 1% dissem py near upper contact	12952	173.2	175.8	2.6	NIL
		175.5 - 175.8 Iron formation Bluish grey - silicified Lower contact 30 deg. TCA					
175.8	191.7	LAMINATED SEDIMENTS Moderately hard Varies in texture - sheared though rather unlaminated until 182.5. From 182.5, laminated	12953 12954 12955 12956	175.8 177.9 180.5 182.8	177.9 180.5 182.8 185.3	2.1 2.6 2.3 2.5	TR .001 .001 NIL
		184.4 - 184.6 Bluish quartz injection 40 deg. TCA					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
175.8	191.7	LAMINATED SEDIMENTS (Cont'd)					
		185.0 - 185.3 Iron formation	12957	185.3	186.6	1.3	.002
		Bluish grey	12958	186.6	189.1	2.5	.001
		Upper contact 60 deg. TCA	12959	189.1	191.4	2.3	NIL
		Lower contact 50 deg. TCA	12960	191.4	194.1	2.7	NIL
		187.3 - 187.5 Bluish quartz injection at 60 deg. TCA					
		Lower contact irregular 20 deg. TCA					
191.7	194.6	IRON FORMATION/SEDIMENTS					
		191.7 - 193.7 Iron formation					
		Bluish grey - silicified					
		Lower contact irregular					
		193.7 - 194.4 Sediments					
		Very chloritic					
		Lower contact 20 deg. TCA					
		194.4 - 194.6 Iron formation					
		Black - 15% dissem py					
		Lower contact 40 deg. TCA					
194.6	216.1	MAGNETITE IRON FORMATION WITH SOME TALC-CHLORITE SCHIST					
		194.6 - 198.4 Talc-chlorite schist	12961	194.1	195.2	1.1	.001
		Abundant ankerite injection	12962	195.2	198.3	3.1	.001
		Silicified + approx. 10% diss. py near	12963	198.3	200.7	2.4	.006
		Lower contact					
		Basal contact 30 deg. TCA					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
194.6	216.1	MAGNETITE IRON FORMATION WITH SOME TALC-CHLORITE SCHIST (Cont'd)					
		198.4 - 201.0 Iron formation Very strongly sheared Silicified. Abundant ankerite injection Up to 10% dissem py from 200.0 - 201.0 Lower contact 30 deg. TCA	12964	200.7	202.9	2.2	.001
		201.0 - 202.1 Silicified talc-chlorite schist Approx. 10% dissem. py					
		202.1 - 202.6 Silicified iron formation Bluish grey Upper contact 40 deg. TCA Lower contact 40 deg. TCA Strongly sheared, 40 deg. TCA Approx. 15% diss. py	12965	202.9	204.6	1.7	.004
		202.6 - 202.8 Silicified talc-chlorite schist 10% diss. py	12966	204.6	207.0	2.4	.003
		202.8 - 214.7 Talc-chlorite schist Lower contact 70 deg. TCA	12967	207.0	209.1	2.1	.001
			12968	209.1	211.8	2.7	TR
			12969	211.8	213.9	2.1	NIL
			12970	213.9	216.1	2.2	TR
		214.7 - 216.1 Iron formation Up to 2% diss. py Lower contact 40 deg. TCA					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
216.1	281.7	TALC-CHLORITE SCHIST WITH SOME INTERBEDS OF MAGNETITE IRON FORMATION	12971	216.1	219.4	3.3	NIL
			12972	219.4	222.8	3.4	NIL
			12973	222.8	226.8	4.0	NIL
			12974	226.8	228.9	2.1	NIL
			12975	228.9	232.0	3.1	TR
			12976	232.0	234.1	2.1	NIL
			12977	234.1	236.7	2.6	NIL
			12978	236.7	238.8	2.1	.001
			12979	238.8	241.5	2.7	NIL
			12980	241.5	243.4	1.9	NIL
			12981	243.4	247.8	4.4	NIL
			12982	247.8	251.4	3.6	NIL
			12983	251.4	254.7	3.3	NIL
			12984	254.7	257.7	3.0	NIL
		259.8 - 260.3 Silicified iron formation 5% diss. pyrite Upper contact 40 deg. TCA Lower contact 40 deg. TCA	12985	257.7	260.3	2.6	TR
		260.3 - 281.7 Very abundant ankerite injection Mylonitic Rock more sericitic - greenish	12986	260.3	263.6	3.3	TR
			12987	263.6	267.3	3.7	NIL
			12988	267.3	271.0	3.7	NIL
			12989	271.0	272.5	1.5	NIL
		275.9 - 276.1 Silicified iron formation Trace diss. pyrite Upper contact 50 deg. TCA Lower contact 30 deg. TCA Upper contact chloritic	12990	272.5	275.6	3.1	NIL
			12991	275.6	278.2	2.6	NIL
			12992	278.2	280.4	2.2	.001
			12993	280.4	281.7	1.3	.002

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
281.7	312.0	SILICIFIED, PORPHYRY INTRUDED AND QUARTZ-ANKERITE VEINED SERICITE-CHLORITE SCHIST Upper contact 40 deg. TCA - chloritic Schist contains approx. 5% diss. py, Porphyry greyish to beige in colour Strongly sheared @ 40 deg. TCA Fractured @ 10, 30 and 40 deg. TCA Abundant quartz and ankerite injection in fractures Some tourmaline fracture filling; 15% disseminated and clotted pyrite	12994	281.7	284.5	2.8	.009
		282.2 - 282.7 Quartz veining White 50 deg. TCA					
		282.7 - 285.9 Sericite-chlorite schist Lower contact 50 deg. TCA	12995 12996	284.5 285.9	285.9 288.1	1.4 2.2	.001 .024
		285.9 - 288.1 Porphyry Lower contact 50 deg. TCA					
		288.1 - 289.5 Sericite-chlorite schist Lower contact irregular - 70 deg. TCA	12997	288.1	289.5	1.4	.006
		289.5 - 292.5 Porphyry Lower contact 40 deg. TCA	12998	289.5	292.5	3.0	.018
		292.5 - 296.0 Sericite-chlorite schist Lower contact 40 deg. TCA	12999	292.5	296.0	3.5	.006
		296.0 - 303.6 Porphyry Lower contact 10 deg. TCA	13000 14251 14252	296.0 299.0 301.6	299.0 301.6 303.7	3.0 2.6 2.1	.046 .020 .015
		303.6 - 304.7 Sericite-chlorite schist Lower contact 30 deg. TCA					

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T
281.7	312.0	SILICIFIED, PORPHYRY INTRUDED AND QUARTZ-ANKERITE VEINED SERICITE-CHLORITE SCHIST (Cont'd)					
		304.7 - 306.0 Porphyry Lower contact 30 deg. TCA	14253	303.7	306.0	2.3	.008
		306.0 - 310.0 Sericite-chlorite schist	14254	306.0	308.3	2.3	.003
		308.3 - 308.8 20% fine dissem. pyrite	14255	308.3	310.0	1.7	.001
		Lower contact 50 deg. TCA					
		310.0 - 312.0 Porphyry	14256	310.0	312.0	2.0	.013
		Lower contact 50 deg. TCA					
312.0	334.0	SERICITE-CHLORITE SCHIST	14257	312.0	315.0	3.0	.001
		Moderately magnetic	14258	315.0	317.6	2.6	NIL
			14259	317.6	320.0	2.4	.004
		331.6 - 334.0 Fault gouge	14260	320.0	322.6	2.6	.003
			14261	322.6	325.7	3.1	.005
334.0	423.0	ULTRAMAFIC VOLCANIC	14262	325.7	335.0	9.3	.002
		Blue-grey, talcose	14263	335.0	338.4	3.4	NIL
		Moderately sheared, fractured @ 30-40 deg. TCA Moderate amount of ankerite injection within fractures Moderately magnetic Pitted in places Trace diss. pyrite					
		412.1 - 412.5 Ankerite veining 40 deg. TCA					
		414.0 - 419.0 Appears to be carbonate-altered pillow selvedges	14264	411.9	416.0	4.1	.002
	423.0	END OF HOLE					

MINROC MANAGEMENT LIMITED

DRILL LOG - FOURAX II PROPERTY

HOLE NO.: FX-9081 | TOWNSHIP: FOURNIERE, QUE. | CORE SIZE: BQ

COORDINATES: L10+00E 9+77N | RANGE: X | DRILLED BY: FORAGE MODERNE INC.

COLLAR ANGLE: -70 DEG. | LOT NO.: | DATE STARTED: 25/01/90

LOCATED FROM: BL | CLAIM NO.: 335178-4 | DATE COMPLETED: 08/02/90

AZIMUTH: 205 DEG. | LOGGED BY: L. MELCHIORRE

LENGTH: 1,929 FT. | PAGE: 1 OF 32

DEPTH	AZIMUTH	ANGLE READ	ANGLE ACTUAL
400 FT.	205		-69 DEG.
800 FT.	205		-66 DEG.
1000 FT.	205		-65 DEG.
1400 FT.	205		-64 DEG.
1600 FT.	205		-60 DEG.
1771 FT.	205		-59 DEG.
1929 FT.	205		-57 DEG.

REMARKS:

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
9.0	46.0	OVERBURDEN						
46.0	66.8	GRANITE PORPHYRY Large (1 cm) pinkish, potassium feldspars in matrix of coarse k-spar + plag. + quartz + amphibole and biotite 35% zoned, white coarse k-spar 30% greyish plagioclase 20% quartz 10% amphibole + biotite 5% 1 cm. pinkish zoned k-spar Trace dissem pyrite Fractured @ 70 deg. TCA Slightly magnetic Some zones silicified and/or sericitized						
		46.0 - 50.2 Unaltered	14265	46.0	48.6	2.6	TR	
			14266	48.6	50.6	2.0	.003	
		50.2 - 57.3 Sericitized and silicified Yellowish, greenish sericite, silica and pyrite fractures at 30 deg. TCA and 70 deg. TCA	14267	50.6	53.2	2.6	.001	
			14268	53.2	55.1	1.9	.002	
			14269	55.1	57.3	2.2	.001	
		54.2 - 54.7 Quartz vein 20 - 30 deg. TCA 1 cm thick						
		57.3 - 66.8 Unaltered	14270	57.3	59.8	2.5	NIL	
			14271	59.8	62.4	2.6	.001	
		Lower contact irregular 50 deg. TCA	14272	62.4	64.6	2.2	TR	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
			14273	64.6	66.8	2.2	NIL	
66.8	77.0	MAGNETIC GABBRO (METAMORPHASED MAFIC VOLCANIC) Black Medium grained 50% coarse, acicular, random amphibole Strong carbonate alteration Massive, becoming strongly sheared down core Ankerite fracture filling 30 - 70 deg. TCA with 2% diss. pyrite associated	14274	66.8	69.0	2.2	TR	
			14275	69.0	71.4	2.4	.002	
			14276	71.4	73.8	2.4	.001	
			14277	73.7	76.4	2.7	.010	
77.0	82.5	SHEARED AND QUARTZ-VEINED GABBRO	14278	76.4	78.8	2.4	.150*	
			14279	78.8	82.5	3.7	.018	
		77.0 - 77.2 Quartz vein at 20 deg. TCA with 10% diss. py in immediate host rock						
		73.5 - 82.5 Strongly sheared at 0 - 20 deg. TCA						
		Lower contact 40 deg. TCA						
82.5	109.0	GRANITE PORPHYRY						
		82.5 - 88.0 Unaltered	14280	82.5	84.0	1.5	.002	
			14281	84.0	86.6	2.6	.001	
		88.0 - 103.7 Sericitized, silicified	14282	86.6	88.7	2.1	TR	
			14283	88.7	91.3	2.6	.002	
		103.7 - 109.0 Unaltered	14284	91.3	93.6	2.3	.001	
			14285	93.6	95.8	2.2	TR	
		Lower contact 30 deg. TCA	14286	95.8	98.0	2.2	.003	
			14287	98.0	100.6	2.6	NIL	
			14288	100.6	103.0	2.4	NIL	
			14289	103.0	105.3	2.3	TR	
			14290	105.3	107.7	2.4	.001	
			14291	107.7	109.0	1.3	NIL	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
109.0	191.4	GABBROIC MAFIC VOLCANIC	14292	109.0	112.0	3.0	TR	
		Gabbroic, massive	14293	112.0	114.0	2.0	.001	
		Grades from fine to medium grained within flow						
		Medium grained areas are magnetic while fine grained areas non-magnetic						
		Dark green in colour						
		Ankerite and epidote veinlets follow general fracturing trend: 40 to 60 deg. TCA						
		Pyrite scattered around veinlets						
		109.0 - 116.7 Medium grained, magnetic						
		Fining downward						
		Lower contact gradational						
		116.7 - 135.8 Non-magnetic, fine grained						
		135.8 - 191.4 Medium grained, magnetic	14294	140.6	144.6	4.0	.001	
		Fine near upper portion	14295	144.6	148.0	3.4	.001	
		Grain size increases to medium grained	14296	148.0	151.3	3.3	.001	
		and then fines downward	14297	151.3	154.6	3.3	.002	
			14298	154.6	156.8	2.2	.005	
		141.9 - 143.0 Moderately abundant ankerite fracture filling	14299	156.8	159.9	3.1	.002	
		10% diss. py and py in ankerite veinlets						
		155.8 - 156.3 Quartz, carb., chl. + cubed py veining 50 deg. TCA						
191.4	319.4	MAFIC VOLCANIC						
		Fine grained ankerite + epidote + py fracture filling						
		Non-magnetic						
		Some zones pervasively altered						
		Fractures parallel TCA to perpendicular TCA						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
191.4	319.4	MAFIC VOLCANIC (Cont'd)						
		235.3 - 236.2 Epidote + ankerite discontinuous veins - stringers, 30 deg. TCA - almost pervasively altered Ankerite veinlets crossing these veins 30 deg. TCA 10% blebs of pyrite	14300	234.8	237.4	2.6	.002	
			14201	237.4	240.5	3.1	NIL	
		241.4 - 242.8 Blebs of pyrite associated with ankerite + epidote stringers @ roughly 10 deg. TCA + 60 deg. TCA Blebs chalcopyrite	14202	240.5	242.8	2.3	.004	
			14203	242.8	245.5	2.7	.001	
			14204	245.5	248.1	2.6	TR	
			14205	248.1	250.3	2.2	TR	
			14206	250.3	252.8	2.5	.002	
		251.7 - 252.8 Epidote + ankerite stringers with associated blebs pyrite (approx. 15%)	14207	252.8	254.6	1.8	.001	
		252.5 - 252.8 Light grey quartz vein Epidote + ankerite + bleb pyrite at vein borders Vein irregular @ 15 deg. TCA						
			14208	254.6	257.9	3.3	TR	
			14209	257.9	261.6	3.7	TR	
			14210	284.6	287.0	2.4	.001	
			14211	287.0	289.6	2.6	NIL	
		291.5 Quartz + ankerite + bleb pyrite discontinuous veining @ 40 deg. TCA	14212	289.6	291.6	2.0	.001	
			14213	291.6	294.1	2.5	NIL	
			14214	294.1	296.3	2.2	NIL	
		295.0 Acicular coarse amphibole increasing down core	14215	296.3	300.7	4.4	NIL	
			14216	300.7	302.8	2.1	NIL	
			14217	302.8	305.0	2.2	.002	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
191.4	319.4	MAFIC VOLCANIC (Cont'd)						
		304.1 - 304.5 Open fracture approx. 1" wide @ 30 deg. TCA lined with large calcite (0.5 cm.) and tiny pyrite crystals	14218	305.0	307.9	2.9	TR	
			14219	307.9	311.1	3.2	.004	
			14220	311.1	315.0	3.9	.002	
			14221	315.1	317.3	2.2	.001	
			14222	317.3	319.4	2.1	.001	
319.4	321.4	AURIFEROUS QUARTZ VEIN Grey to whitish cloudy quartz Several visible gold specs near lower contact Upper contact 60 deg. TCA, sharp Lower contact irregular Ankerite altered selvedge - 20 deg. TCA	14223	319.4	321.4	2.0	.660*	
321.4	562.0	MAFIC VOLCANIC Similar to 191.4 - 319.4						
		327.5 - 328.4 Greyish quartz vein - 10 deg. TCA, Approx. 0.5 cm. wide 10% blebs pyrite, trace cp within vein and selvedge	14224	321.4	323.4	2.0	.002	
			14225	323.4	325.5	2.1	.001	
			14226	325.5	328.4	2.9	.001	
		419.3, 419.6 Mafic dyke, pyritic selvedge 60 deg. TCA - 1 cm wide						
			14227	424.8	428.4	3.6	.001	
		429.0 - 429.6 Weathered out carb vugs, amydgules Magnetic 10% diss. py cubes	14228	428.4	430.4	2.0	TR	
			14229	430.4	432.4	2.0	NIL	
			14230	432.4	435.2	2.8	.004	
			14231	435.2	437.6	2.4	.001	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
321.4	562.0	MAFIC VOLCANIC (Cont'd)						
		438.0 Dark grey quartz vein 1 cm. wide Selvedge ankerized, pyritic Ankerite fracture filling with pyrite criss-crossing each other in vicinity; 20-30 deg. TCA	14232	437.6	440.3	2.7	.004	
			14233	440.3	442.6	2.3	.002	
			14234	455.8	457.8	2.0	.003	
		457.0 Quartz + ankerite + epidote + py stringers 50, 40 deg. TCA, crossing each other	14235	457.8	459.8	2.0	TR	
			14236	459.8	464.5	4.7	TR	
		466.2 - 466.8 Quartz + ankerite + epidote + py discontinuous veining	14237	464.5	467.6	3.1	NIL	
			14238	499.3	501.7	2.4	NIL	
		502.4 - 502.6 Cloudy greyish qtz vein Upper contact 50 deg. TCA Lower contact 80 deg. TCA Disseminated galena within 0.5 cm. seams which are within vein and near selvedge	14239	501.7	503.8	2.1	TR	
		504.0 - 504.7 Qtz + ankerite veinlet 10 deg. TCA 0.5 cm. thick with disseminated and clotted pyrite within vein and at contact with wall rock; discontinuous veinlets in vicinity	14240	503.8	505.8	2.0	TR	
			14241	505.8	508.8	3.0	NIL	
			14242	508.8	511.2	2.4	NIL	
			14243	511.2	513.3	2.1	NIL	
		513.3 - 514.3 Ankerite + py fracture filling - 10 deg. TCA	14244	513.3	515.9	2.6	TR	
			14245	515.9	519.5	3.6	TR	
		515.3 - 515.5 Quartz + ankerite + epidote + bleb pyrite fracture filling - 20 deg. TCA	14246	519.5	522.0	2.5	NIL	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
321.4	562.0	MAFIC VOLCANIC (Cont'd)						
		520.3 - 520.6 Qtz + ankerite + bleb pyrite vein - 20 deg. TCA Pyritic fracture filling in vicinity, variable direction - mostly 10 deg. TCA						
		522.8 - 523.4 Discontinuous quartz vein - 1 inch thick Ankerite + pyrite fracture filling 20 deg. TCA	14247 14248 14249 14250	522.0 524.2 526.5 527.7	524.2 526.5 527.7 528.7	2.2 2.3 1.2 1.0	NIL TR NIL NIL	
		529.1 - 529.2 Greyish quartz vein - 50 deg. TCA Trace diss. py in vein and wall rock	14301	528.7	531.3	2.6	.001	
		533.7 - 533.8 Greyish quartz vein - discontinuous 1 inch thick Trace py in vein and wall rock	14302 14303	537.3 534.1	539.1 536.2	1.8 2.1	.008 .002	
562.0	599.5	GABBROIC, MAGNETIC MAFIC VOLCANIC Slightly more bluish than upper unit which is medium green Upper contact 50 deg. TCA Fractured parallel TCA and 40 deg. TCA Mostly ankerite and epidote fracture filling Some thick quartz veins 30 - 50 deg. TCA Disseminated and bleb pyrite associated with fractures and veins 1% disseminated pyrite throughout						
		585.7 - 585.8 Greyish-white cloudy quartz vein 20 deg. TCA Chloritic selvedges and chloritic seam running down the middle 1% large (aprox. 4 mm) py cubes disseminated in vein 15% fine diss. py in wall rock	14304 14305 14306	582.4 584.8 587.0	584.8 587.0 589.8	2.4 2.2 2.8	.001 .003 .001	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
562.0	599.5	GABBROIC, MAGNETIC MAFIC VOLCANIC (Cont'd)						
		592.3 - 594.0 Ankerite + pyrite fracture filling 10 deg. TCA, several fractures	14307 14308	589.8 591.9	591.9 594.6	2.1 2.7	TR TR	
		595.3 - 595.8 Greyish quartz + ankerite vein 30 deg. TCA 1% bleb pyrite 2% acicular, 1 cm long tourmaline crystals Wall rock ankerite altered Fractured - fractures filled with ankerite and pyrite	14309 14310	594.6 597.0	597.0 599.5	2.4 2.5	.006 .005	
599.5	1177.8	MAFIC VOLCANIC Medium green Non-magnetic Fine grained with coarse random amphibole in places 1% fine, disseminated pyrite Ankerite and pyrite filled fractures 40 - 50 deg. TCA	14311	599.5	601.1	1.6	TR	
		599.5 - 600.5 Tension gashes Two directions - 50 deg. TCA and perpendicular to these Filled with ankerite and biotite						
		616.6 - 617.5 Multiple white quartz veining Trace pyrite and chalcopyrite grains Upper contact 60 deg. TCA Lower contact 70 deg. TCA 10% diss. py in wall rock Wall rock fractured, filled with ankerite	14312 14313 14314	613.3 615.5 618.3	615.5 618.3 620.8	2.2 2.8 2.5	.001 .001 .003	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
599.5	1177.8	MAFIC VOLCANIC (Cont'd)						
		621.6 - 622.1 Dark grey quartz vein	14315	620.8	623.1	2.3	.004	
		30 deg. TCA - irregular	14316	623.1	625.9	2.8	.007	
		5% disseminated pyrite	14317	625.9	629.0	3.1	.005	
		Contains fragments of wall rock	14318	629.0	631.8	2.8	.004	
		633.2 - 633.6 Irregular injections of quartz and	14319	631.8	634.7	2.9	.006	
		ankerite with 10-15% blebs pyrite	14320	634.7	637.2	2.5	.001	
		50 deg. TCA, trace chalcopyrite						
		650.0 - 662.5 Moderately strong ankerite alteration	14321	650.0	650.8	0.8	.003	
		Ankerite fracture filling - 20 to 60	14322	650.8	653.2	2.4	.004	
		deg. TCA	14323	653.2	655.4	2.2	.006	
		10% scattered blebs pyrite	14324	655.4	657.7	2.3	.002	
			14325	657.7	660.1	2.4	.008	
		655.2 - 656.2 Open fracture lined with	14326	660.1	662.5	2.4	.003	
		coarse carbonate - 20 deg. TCA						
		1" thick						
		5-10% disseminated pyrite in wall						
		rock						
		671.4 - 671.5 White quartz vein - 70 deg. TCA	14327	662.5	664.5	2.0	.007	
		5-10% diss. pyrite and pyrite in	14328	664.5	667.6	3.1	.001	
		planes parallel to vein orientation	14329	667.6	669.8	2.2	.003	
			14330	669.8	672.3	2.5	.002	
		672.5 - 674.4 Greyish white quartz vein parallel TCA	14331	672.3	674.6	2.3	.004	
		Pinches and swells	14332	674.6	677.0	2.4	.001	
		Less than 0.5 cm. thick, thickens to						
		1" after 673.5. Trace to 1% pyrite						
		in vein (diss. + bleb)						
		Trace chalcopyrite						
		Chlorite fracture filling in vein						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
599.5	1177.8	MAFIC VOLCANIC (Cont'd)						
		705.6 - 706.8 Brecciated fragments of host rock approx. diameter 1 cm Intersticies filled with quartz and ankerite Fragments rimmed with fine pyrite approx. 10% Upper contact 50 deg. TCA Lower contact 40 deg. TCA	14333 14334 14335	701.9 704.7 707.0	704.7 707.0 709.4	2.8 2.3 2.4	.001 .001 .001	
		709.1 Quartz vein - greyish white 0.5 cm. wide - 5% blebs py 80 deg. TCA						
		728.9 - 729.8 Greyish white quartz vein Irregular Upper contact 90 deg. TCA Lower contact 40 deg. TCA 10-15% blebs pyrite in vein and for 0.4' within upper wall rock	14336 14337 14338 14339	724.8 727.4 729.5 732.0	727.4 729.5 732.0 734.5	2.6 2.1 2.5 2.5	.001 .006 .001 .003	
		736.3 - 740.9 Discontinuous quartz + epidote + ankerite veining Vein greenish beige, fine grained Tourmaline crystals 1-2% scattered fine pyrite Appears to be parallel TCA	14340 14341 14342 14343 14344	734.5 736.3 738.4 740.9 758.0	736.3 738.4 740.9 744.0 760.1	1.8 2.1 2.5 3.1 2.1	.013 .003 .006 .002 TR	
		761.2 - 761.7 Quartz stringers. Greyish. Diss. blebs pyrite Discontinuous 20 - 30 deg. TCA Ankerite and epidote alteration of wall rock	14345	760.1	762.4	2.3	NIL	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
599.5	1177.8	MAFIC VOLCANIC (Cont'd)						
		762.8 - 763.0 Greyish white quartz vein, approx. 2" wide Bleb pyrite, 40 deg. TCA	14346 14347	762.4 765.0	765.0 767.3	2.6 2.3	NIL NIL	
		768.0 - 768.9 Brecciated, fragments epidotized, silicified Intersticies filled with chlorite, epidote, 10% pyrite Upper contact 80 deg. TCA Lower contact 60 deg. TCA	14348	767.3	769.5	2.2	.001	
		770.0 - 770.7 Same as 768.0 - 768.9 Upper contact 30 deg. TCA Lower contact diffuse, 40 deg. TCA	14349 14350	769.5 771.7	771.7 773.7	2.2 2.0	.001 TR	
		788.3 - 788.4 Greyish quartz vein, 60 deg. TCA 1 inch thick Trace fine py in vein 10-15% bleb, diss. + fracture filling pyrite in wall rock Wall rock epidotized - contains ankerite filled fractures with associated blebs py and trace chalcopyrite	14351	787.1	789.5	2.4	.001	
		809.2 - 809.6 Quartz + ankerite vein 1" thick 20 deg. TCA 5-10% diss. + bleb py Pinkish potassium alteration Tourmaline crystals	14352 14353 14354	806.5 808.6 810.6	808.6 810.6 813.5	2.1 2.0 2.9	.002 .002 NIL	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
599.5	1177.8	MAFIC VOLCANIC (Cont'd)						
		830.5 - 831.4 Quartz with ankerite vein - fracture filling Yellowish greenish with pinkish areas Contains epidote and is potassium altered 1% fine diss. py parallel TCA	14355	827.3	830.0	2.7	NIL	
			14356	830.0	832.2	2.2	NIL	
			14357	832.2	834.4	2.2	NIL	
			14358	882.2	884.8	2.6	NIL	
		886.0 Greyish quartz vein 40 deg. TCA 1 cm. wide, 5% diss. py	14359	884.8	887.2	2.4	NIL	
			14360	887.2	889.0	1.8	NIL	
		886.1 - 887.0 Greyish white quartz vein 1" thick 10 deg. TCA, 10% blebs pyrite						
		941.7 - 942.2 White quartz vein 30 deg. TCA, 1" thick 2% blebs pyrite in vein near contact with wall rock	14361	940.5	942.9	2.4	TR	
			14362	942.9	945.2	2.3	TR	
		950.0 Rock increasingly broken up down core						
		983.7 - 986.0 Quartz + ankerite vein 1/2" thick, almost parallel TCA 2% diss. + blebs py in vein 5-10% py in immediate wall rock	14363	980.8	983.6	2.8	TR	
			14364	983.6	986.1	2.5	TR	
			14365	986.1	989.4	3.3	.001	
			14366	989.4	991.7	2.3	NIL	
		986.1 - 987.0						
		987.3 - 989.2 Same as 983.7 - 986.0						
		1009.6 - 1013.0 Spotted alteration Green mafic spots in groundmass of carbonate and epidote						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
599.5	1177.8	MAFIC VOLCANIC (Cont'd)						
		1030.0 - 1033.0 Strong carbonate and epidote alteration Mottled light and dark green Ankerite injection 20 deg. TCA 5% diss. pyrite						
		1060.0 Rock increasingly bluish						
		1102.0 - 1171.0 Brecciated appearance - ghostlike						
1177.8	1185.6	MAGNETITE IRON FORMATION WITH INTERBEDDED MAFIC VOLCANIC, SEDIMENT Very broken up Dissolution holes in places Black, fine to medium grained 10% pyrite in fractures Fractures ankeritized and epidotized Strong carb. alteration Magnetic IF areas contain 10% disseminated pyrite Contacts between beds diffuse approx. 30 deg. TCA Beds 2" - 4" thick, cyclic	14367	1175.5	1177.8	2.3	NIL	
			14368	1177.8	1181.0	3.2	NIL	
			14369	1181.0	1185.6	4.6	TR	
			14370	1185.6	1187.8	2.2	.006	
		1182.5 Vuggy, vugs lined with pyrite						
1185.6	1202.1	MAFIC VOLCANIC Bluish grey, massive Fine grained Scattered disseminated pyrite Non-magnetic						
			14371	1199.5	1202.1	2.6	TR	
1202.1	1206.0	STRONGLY SHEARED, PYRITIFEROUS, QUARTZ AND ANKERITE VEIN/BRECCIA ZONE Sheared @ 30 deg. TCA Quartz and ankerite injection parallel foliation 15% diss. py Host rock may be mafic volcanic Upper contact strongly epidotized - 30 deg. TCA Lower contact 20 deg. TCA	14372	1202.1	1204.0	1.9	.005	
			14373	1204.0	1206.0	2.0	.003	
			14374	1206.0	1207.5	1.5	TR	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
1206.0	1265.5	MAFIC VOLCANIC Similar to 1185.6 - 1202.1	14375	1207.5	1209.3	1.8	TR	
			14376	1209.3	1211.7	2.4	.001	
		1209.7 - 1210.5 Moderately sheared 20 deg. TCA Epidote + 5% blebs pyrite follow foliation	14377	1211.7	1214.0	2.3	NIL	
1265.5	1284.3	MAGNETIC, GABBROIC MAFIC VOLCANIC Fine grained near upper and lower contacts Medium grained in middle Massive, blackish in colour Broken up, fractured 30 - 40 deg. TCA Ankerite fracture filling 20 deg. TCA, 40 deg. TCA parallel TCA Contains disseminated pyrite Trace to 1% diss. pyrite throughout Upper contact gradational, marked by change in magnetism Lower contact diffuse 40 deg. TCA						
1284.3	1322.1	MAFIC VOLCANIC Medium green in colour Massive Fractured, broken up 50 - 70 deg. TCA Ankerite fracture filling - 20 deg. parallel TCA contains diss. pyrite	14378	1288.5	1290.8	2.3	TR	
			14379	1290.8	1292.8	2.0	NIL	
			14380	1292.8	1294.9	2.1	TR	
		1291.6 - 1292.2 Greyish white quartz vein Upper contact 70 deg. TCA Lower contact 50 deg. TCA Trace disseminated pyrite Wall rock chloritic, pyritic at contact						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
1284.3	1322.1	MAFIC VOLCANIC						
		1313.7 - 1314.7 Greyish quartz vein	14381	1310.4	1313.0	2.6	NIL	
		Ankerite + epidote near wall rock contact	14382	1313.0	1315.0	2.0	TR	
		Pyritic seam between quartz + ankerite	14383	1315.0	1316.5	1.5	TR	
		Diss. tourmaline	14384	1316.5	1318.7	2.2	NIL	
		Some wall rock inclusions 15 deg. TCA, approx. 1 inch thick						
1322.1	1326.7	QUARTZ-VEINED MAFIC VOLCANIC	14385	1318.7	1321.2	2.5	NIL	
			14386	1321.2	1323.3	2.1	.002	
		1322.1 - 1323.0 Greyish white quartz vein						
		Almost parallel TCA						
		1% blebs of chalcopyrite + pyrite, mostly near wall rock contact						
		1323.6 - 1326.7 Greyish white quartz vein with associated	14387	1323.3	1326.7	3.4	.001	
		pyritic fracture filling in wall rock	14388	1326.7	1329.2	2.5	NIL	
		Quartz vein essentially parallel TCA						
		Trace blebs of pyrite and chalcopyrite						
1326.7	1361.0	MAFIC VOLCANIC						
		Similar to 1284.3 - 1322.1						
		1327.4 - 1328.7 Brecciated - ghostlike rims of fragments						
		epidote altered						
		1337.7 - 1345.5 Spotted alteration						
		Dark green, mafic spots in carb and epidote altered matrix						
		1340.8 Reddish veinlet - 30 deg. TCA						
		Contains galena or hematite (greyish metallic mineral)						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
1361.0	1387.5	MAGNETIC GABBROIC MAFIC VOLCANIC Upper contact 80 deg. TCA - diffuse fracturing with ankerite filling + pyrite Fine grained grading to medium grained down core Similar to 1265.6 - 1284.3 Lower contact 15 deg. TCA 0.5 cm. wide discontinuous pyritiferous bluish white white quartz vein runs along contact Fractures parallel TCA and 90 deg. TCA mostly, are pyrite filled - both sides of contact	14407 14408 14409	1384.3 1386.5 1388.5	1386.5 1388.5 1390.7	2.2 2.0 2.2	.001 TR TR	
1387.5	1422.1	MAFIC VOLCANIC Dark green Fine grained; non-magnetic Moderate foliation approx. 60 deg. TCA						
		1405.0 - 1405.7 Whitish quartz vein - upper contact 80 deg. TCA Lower contact 60 deg. TCA 2% bleb + diss. py	14389 14390 14391	1400.9 1404.1 1406.3	1404.1 1406.3 1408.8	3.2 2.2 2.5	.001 NIL NIL	
		1410.1 - 1410.7 Bluish white quartz vein - 1 cm. wide 20 deg. TCA, 1% diss. pyrite	14392	1408.8	1411.0	2.2	NIL	
		1412.1 - 1412.4 Bluish white quartz vein - 15 deg. TCA 0.5 cm. wide. Discontinuous 10% blebs to veined pyrite	14393 14394 14395	1411.0 1413.2 1415.3	1413.2 1415.3 1418.3	2.2 2.1 3.0	NIL NIL TR	
		1417.8 - 1422.1 Rock moderately soft. Mafic sediments? Some ankerite injections 80 deg. TCA Increasing magnetism down core						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
1387.5	1422.1	MAFIC VOLCANIC (Cont'd)						
		1418.7 Dark green, laminated, chloritic seam Approx. 1 cm. thick - 70 deg. TCA						
		1420.1 - 1420.4 White quartz, ankerite, + orange feldspar fracture filling and veining - 60 deg. TCA Trace diss. py	14396 14397	1418.3 1420.5	1420.5 1423.9	2.2 3.4	.001 NIL	
1422.1	1480.0	QUARTZ-VEINED MAGNETIC (GABBROIC) MAFIC VOLCANIC Fine grained Grain size increases to medium grain down core Fractures 20 deg. TCA, 80 deg. TCA - abundant Filled with ankerite, epidote, pyrite 5-10% diss. blebs + fracture filling pyrite Strong carbonate alteration	14398 14399	1423.9 1427.0	1427.0 1429.1	3.1 2.1	.001 NIL	
		1429.7 - 1430.0 Greyish white quartz vein Upper contact 20 deg. TCA Lower contact 40 deg. TCA 5% disseminated pyrite 10% pyrite in wall rock near vein contact Fine fractures in vein - 90 deg. TCA epidote filled	14400 14401 14402 14403	1429.1 1431.7 1433.8 1436.5	1431.7 1433.8 1436.5 1438.5	2.6 2.1 2.7 2.0	.001 .001 .003 .002	
		1437.9 - 1438.2 Greyish white quartz veins 5-10% blebs + diss. py in vein and in wall rock near contact						
		1438.5 - 1439.0 Greyish white quartz vein, 30 deg. TCA 5% diss. + blebs pyrite 25% pyrite in wall rock near contact with quartz (1" thick border) Rock broken up below quartz vein	14404 14405	1438.5 1440.5	1440.5 1441.4	2.0 0.9	.001 .001	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
1422.1	1480.0	QUARTZ VEINED MAGNETIC (GABBROIC) MAFIC VOLCANIC (Cont'd)						
		1441.5 - 1442.0 Greyish white quartz veins 10% diss. + blebs pyrite 50 deg. TCA	14406	1441.4	1444.8	3.4	.003	
		1442.2 - 1443.5 Greyish white quartz vein 60 deg. TCA Scattered blebs pyrite, blebs tourmaline Up to 20% diss. py in wall rock xenoliths						
		1443.8 - 1444.2 Greyish white quartz vein 2% diss. pyrite 60 deg. TCA						
		1444.6 - 1444.8 Greyish white quartz vein 2% diss. pyrite 50 deg. TCA	14410	1444.8	1447.3	2.5	.001	
			14411	1447.3	1449.9	2.6	.001	.002
		1455.9 - 1456.6 Pervasive epidote alteration Felsic component light green 1% veined pyrite	14412	1449.9	1452.8	2.9	.002	.001
			14413	1452.8	1455.9	3.1	.001	NIL
			14414	1455.9	1459.3	3.4	.003	.005
			14415	1459.3	1462.8	3.5	.004	.003
		1463.0 Quartz vein 1" thick, 50 deg. TCA Greenish, chloritic, 0.5 cm. blebs tourmaline, 2% py in wall rock near quartz contact	14416	1462.8	1463.8	1.0	.003	.006
			14417	1463.8	1466.8	3.0	.001	.001
			14418	1466.8	1470.5	3.7	.001	TR
			14419	1470.5	1474.3	3.8	.001	TR
			14420	1474.3	1475.3	1.0	.002	.003
			14421	1475.3	1478.4	3.1	.001	.001
		1479.0 - 1480.0 10-15% pyrite in tiny fractures @ 70 deg. TCA and perpendicular to this	14422	1478.4	1480.9	2.5	.005	.002

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
1480.0	1575.1	MAFIC VOLCANIC Medium greenish grey Fine grained Moderately sheared 40 deg. TCA Small number of ankerite + pyrite filled fractures 20 and 40 deg. TCA 1% diss. pyrite locally Upper contact gradational - marked by decrease in grain size and decrease in magnetism						
		1496.0, 1496.4 Biotite rich vein - 40 deg. TCA 1" thick						
		1515.5 - 1516.0 Tuffaceous looking white crystals, 1-2 mm (carb altered feldspars) aligned along foliation direction						
		1533.2 Chloritic seam - pyritiferous, 40 deg. TCA - flow contact?						
		1533.8 - 1534.9 Multiple greyish white quartz veining 20 to 40 deg. TCA 10% diss. and blebs pyrite in vein and in wall rock near vein	14423 14424 14425	1530.9 1533.2 1535.4	1533.2 1535.4 1537.8	2.3 2.2 2.4	.002 .003 .001	.002 .006 .011
		1570.0 Amphibole increases in size down core Becomes random and coarse grained	14426 14427	1569.6 1572.5	1572.5 1575.1	2.9 2.6	TR .001	.002 TR
		1572.0 - 1575.1 5% diss. py Shearing less uniform, variable in direction						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
1575.1	1579.7	STRONGLY SHEARED, MAGNETIC MAFIC VOLCANIC Blackish Abundant ankerite injection along foliation Sheared 30 deg. TCA 5% diss. pyrite Amphibole, magnetite, biotite crystals Upper contact sharp - marked by change in magnetism and degree of shearing and ankerite injection - 20 deg. TCA Lower contact similar - approx. 50 deg. TCA	14428	1575.1	1577.4	2.3	TR	.001
			14429	1577.4	1579.7	2.3	TR	.002
1579.7	1590.8	MODERATELY SHEARED MAFIC VOLCANIC, TUFF Medium greenish grey Similar to 1480.0 - 1575.1 May be a tuffaceous unit - appears laminated in places Approx. 5% diss. pyrite Lower contact 40 deg. TCA	14430	1579.7	1582.1	2.4	.001	.002
			14431	1582.1	1584.3	2.2	.003	.031
			14432	1584.3	1586.8	2.5	TR	.002
			14433	1586.8	1589.0	2.2	.001	.004
			14434	1589.0	1590.8	1.8	.001	.001
1590.8	1591.4	STRONGLY SHEARED MAGNETIC MAFIC VOLCANIC Similar to 1575.1 - 1579.7 Lower contact 30 deg. TCA	14435	1590.8	1592.9	2.1	.001	.003
1591.4	1593.5	TALC-CHLORITE SCHIST Bluish grey Soft Schistosity 40 - 50 deg. TCA Abundant pinkish carbonate injection along foliation planes and variable; strongly magnetic Lower contact 30 deg. TCA						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
1593.5	1595.0	MAGNETIC MAFIC VOLCANIC Blackish Broken up, fractured Chloritic 2% disseminated and blebs pyrite Lower contact broken up	14436	1592.9	1595.4	2.5	.004	NIL
1595.0	1602.0	TALC-CHLORITE SCHIST Similar to 1591.4 - 1593.5 Lower contact 40 deg. TCA	14437	1595.4	1597.7	2.3	.003	NIL
			14438	1597.7	1600.0	2.3	.001	.001
			14439	1600.0	1602.0	2.0	.004	.001
		1597.9 Fault gouge						
1602.0	1604.3	SILICIFIED, SHEARED, PYRITIFEROUS, MAGNETIC ZONE (IRON FORMATION?) Blackish Sheared 40 deg. TCA 10-15% fine pyrite, concentrated mostly along foliation planes Ankerite filled fractures perpendicular to foliation Strongly magnetic Lower contact 40 deg. TCA	14440	1602.0	1604.3	2.3	.018	.001
1604.3	1609.6	TALC-CHLORITE SCHIST Sheared - mylonitic Lower contact 40 deg. TCA	14441	1604.3	1606.3	2.0	.001	.001
			14442	1606.3	1607.3	1.0	.001	TR
			14443	1607.3	1609.6	2.3	.001	TR
1609.6	1635.4	SILICIFIED, SHEARED, PYRITIFEROUS MAGNETIC ZONE (IRON FORMATION?) Sheared 20 - 30 deg. TCA Fractured - 20 deg. TCA Quartz + carb fracture filling, veining (20 deg. TCA) Rock greyish with reddish injecta (from reddish porphyry below) 15-20% fine pyrite 2" quartz vein at lower contact 30 deg. TCA	14444	1609.6	1611.8	2.2	.180*	.001
			14445	1611.8	1613.9	2.1	.140*	.001
			14446	1613.9	1615.4	1.5	.060*	TR
			14447	1615.4	1617.7	2.3	.013	NIL
			14448	1617.7	1620.3	2.6	.016	NIL
			14449	1620.3	1622.6	2.3	.100*	NIL
			14450	1622.6	1625.0	2.4	.130*	.001
			14451	1625.0	1627.5	2.5	.017	TR
			14452	1627.5	1630.0	2.5	.093*	NIL
			14453	1630.0	1632.6	2.6	.018	.001
			14454	1632.6	1635.0	2.4	.001	NIL

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
1635.4	1663.4	STRONGLY SHEARED, POTASH METASOMATIZED AND HEMATITE,	14455	1635.0	1637.0	2.0	NIL	NIL
		SILICA ALTERED ZONE	14456	1637.0	1639.4	2.4	TR	.001
		(SYENITIC INTRUSIVE OR EXTREMELY ALTERED VOLANIC)	14457	1639.4	1641.7	2.3	.001	NIL
		Sheared 40 deg. TCA	14458	1641.7	1644.0	2.3	NIL	.001
		Reddish-orange colour, mafics segregated - form wisps	14459	1644.0	1646.5	2.5	.001	.001
		Fine grained	14460	1646.5	1649.0	2.5	.005	.008
		Magnetic down to 1642.5'	14461	1649.0	1652.0	3.0	.001	.001
		Fractured 20 - 40 deg. TCA, chlorite fracture filling	14462	1652.0	1654.5	2.5	.003	.001
		Quartz injection 40 deg. TCA	14463	1654.5	1655.5	1.0	.004	.002
		Broken up	14464	1655.5	1657.5	2.0	.002	.005
		5% diss. pyrite locally	14465	1657.5	1659.5	2.0	.002	.001
		Lower contact 30 deg. TCA	14466	1659.5	1661.4	1.9	.001	.002
			14467	1661.4	1663.4	2.0	.021	.001
1663.4	1671.9	TALC-CHLORITE SCHIST						
		Abundant pinkish carbonate injection	14468	1663.4	1666.3	2.9	.010	.001
		Injection roughly follows foliation 40 deg. TCA, but	14469	1666.3	1668.5	2.2	.001	.001
		is disrupted and broken up in places	14470	1668.5	1670.5	2.0	.001	.001
		Moderately magnetic	14471	1670.5	1671.9	1.4	.001	.001
		1-2% fine and blebs pyrite						
		Lower contact 50 deg. TCA						
1671.9	1672.5	CHLORITIC PYRITIFEROUS ZONE	14472	1671.9	1674.4	2.5	.003	.003
		Medium green						
		Fine grained						
		Strong chlorite alteration, moderately hard						
		Sheared 40 deg. TCA						
		Tiny ankerite fractures parallel TCA and 40 deg. TCA						
		Very fine disseminated pyrite - 25%						
		Moderately magnetic						
		Lower contact 60 deg. TCA						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
1672.5	1680.0	TALC-CHLORITE SCHIST White carbonate injection parallel 40 deg. TCA Disrupted in places 2% pyrite cubes - moderately magnetic Lower contact 50 deg. TCA	14473 14474	1674.4 1677.3	1677.3 1680.0	2.9 2.7	.010 .007	.002 TR
1680.0	1680.8	CHLORITIC, PYRITIFEROUS ZONE Similar to 1671.9 - 1672.5, but non-magnetic Sheared 40 deg. TCA Fine disseminated pyrite 25% Lower contact 50 deg. TCA	14475	1680.0	1681.6	1.6	.370*	NIL
1680.8	1681.6	TALC-CHLORITE SCHIST Weakly magnetic Similar to 1672.5 - 1680.0 Lower contact marked by 0.5 cm. chloritic seam - 40 deg. TCA						
1681.6	1685.9	STRONGLY MAGNETIC, SILICIFIED, CHLORITIC, PYRITIFEROUS ZONE OR IRON FORMATION Strongly sheared - 40 deg. TCA Quartz injection, nodules 40 deg. TCA Strong carb alteration 15% diss. + veined pyrite Lower contact 40 deg. TCA	14476 14477	1681.6 1683.8	1683.8 1685.9	2.2 2.1	.160* .038*	NIL .002
1685.9	1693.7	TALC-CHLORITE SCHIST Sheared 20 deg. TCA - carb injection 20 deg. TCA Similar to 1672.5 - 1680.0 Quartz vein at lower contact - 50 deg. TCA Approx. 1" thick	14478 14479 14480	1685.9 1689.0 1690.4	1689.0 1690.4 1693.7	3.1 1.4 3.3	.012 .096* .090*	TR

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
1693.7	1694.5	CHLORITIC, PYRITIFEROUS ZONE Moderately hard Moderately silicified Strongly sheared 40 deg. TCA Quartz and ankerite injection following foliation Weakly to non-magnetic 15-20% pyrite, mostly concentrated along foliation planes Lower contact 40 deg. TCA						
1694.5	1696.2	TALC-CHLORITE SCHIST Sheared 40 deg. TCA Carb. injection 40 deg. TCA 2% pyrite cubes Weakly magnetic	14481	1693.7	1697.0	3.3	.012	
1696.2	1696.6	CHLORITIC, PYRITIFEROUS ZONE Non-magnetic Moderate silicification Quartz + ankerite injection + shearing 45 deg. TCA 15-20% diss. py, mostly concentrated along foliation planes Lower contact 30 deg. TCA						
1696.6	1705.6	TALC-CHLORITE SCHIST Sheared 40 deg. TCA Ankerite injection same direction Ankerite injection disrupted in places - Broken up into nodules Moderately magnetic 2% pyrite cubes Lower contact 25 deg. TCA	14482 14483 14484	1697.0 1699.9 1702.9	1699.9 1702.9 1705.6	2.9 3.0 2.7	.002 TR .022	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
1705.6	1713.4	SILICIFIED CHLORITIC ZONE - ALTERED TUFF?	14485	1705.6	1707.5	1.9	.018	
		Light to medium green	14486	1707.5	1710.9	3.4	.006	
		Fine grained	14487	1710.9	1713.4	2.5	.003	
		Appears laminated - may be product of shearing						
		Some zones magnetic						
		Quartz + ankerite injection following shearing - 40 deg. TCA, trace pyrite						
		1208.3 - 1713.4 Quartz has pinkish tinge - alteration from underlying porphyry?						
		Lower contact 40 deg. TCA						
1713.4	1719.5	TALC-CHLORITE SCHIST	14488	1713.4	1716.2	2.8	TR	
		Moderately magnetic	14489	1716.2	1719.5	3.3	.023	
		Sheared 40 deg. TCA						
		Ankerite injection follows foliation						
		2% pyrite cubes - up to 1 cm. at 1718.2						
		Lower contact 60 deg. TCA						
1719.5	1929.0	FELDSPAR PORPHYRY OR GRANITE PORPHYRY						
		Aphanitic near upper contact. Medium grained further down						
		Non-uniform colour						
		Pinkish in places, greyish in others						
		Salmon colour result of hematitization						
		Moderate - strong shearing 40 - 50 deg. TCA						
		Silicified zones, bleached zones						
		Highly fractured and broken up						
		Up to 10% diss., veined and blebs pyrite						
		Chloritic fracture filling						
		Granitic in composition:						
		50% feldspar phenocrysts (coarse)						
		29% mafics (biotite, amphibole) (fine)						
		20 % quartz grains (fine - medium)						
		1% pyrite						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
1719.5	1929.0	FELDSPAR PORPHYRY OR GRANITE PORPHYRY (Cont'd)						
		1719.5 - 1729.7 Aphanitic - fine grained - cherty	14490	1719.5	1722.6	3.1	.002	
		Salmon pink - no mafics	14491	1722.6	1725.0	2.4	.002	
		Fractured parallel TCA and 50 deg. TCA	14492	1725.0	1727.5	2.5	.003	
		Ankerite, chlorite, quartz fracture filling	14493	1727.5	1729.7	2.2	.008	
		1-2% pyrite cubes and pyrite in veinlets						
		1729.7 - 1734.9 Weakly silicified talc-chlorite schist	14494	1729.7	1732.6	2.9	.006	
		Harder than usual near upper and lower contact - soft in middle	14495	1732.6	1734.9	2.3	.005	
		5 - 10% diss. pyrite cubes						
		Upper contact 20 deg. TCA						
		Lower contact broken up - 40 deg. TCA						
		1734.9 - 1744.5 Fine grained, brecciated	14496	1734.9	1737.9	3.0	.004	
		Cherty	14497	1737.9	1739.8	1.9	.001	
		Salmon pink	14498	1739.8	1742.0	2.2	.001	
		Chlorite filling fractures	14499.	1742.0	1744.5	2.5	.002	
		2% pyrite						
		1736.6 4 mm thick pyrite vein - 80 deg. TCA						
		1744.5 - 1750.8 Brecciated	14500	1744.5	1746.6	2.1	.002	
		Mottled pinkish and greyish	14501	1746.6	1749.2	2.6	.004	
		Coarse grained	14502	1749.2	1750.8	1.6	.003	
		2% pyrite						
		1749.2 - 1749.5 White quartz veins - parallel TCA Approx. 1 cm. thick						
		1750.8 - 1756.2 Greyish colour, diffuse texture	14503	1750.8	1753.7	2.9	.002	
		5% pyrite	14504	1753.7	1756.2	2.5	.002	

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
1719.5	1929.0	FELDSPAR PORPHYRY OR GRANITE PORPHYRY (Cont'd)						
		1756.2 - 1763.6 Mottled pinkish and greyish 5% blebs and veined pyrite	14505 14506 14507	1756.2 1758.3 1760.8	1758.3 1760.8 1763.6	2.1 2.5 2.8	.003 .001 .001
		1763.6 - 1767.1 Bleached zone Light pink 5-10% diss. blebs, veined pyrite	14508	1763.6	1767.1	3.5	.003	
		1767.1 - 1774.5 Greyish 10% pyrite	14509 14510	1767.1 1769.1	1769.1 1772.2	2.0 3.1	.003 .006	
		1773.3 - 1774.5 Greyish quartz vein 0.5 cm. wide Parallel TCA						
		1774.5 - 1777.6 Relatively unaltered Salmon pink with black mafics Sericite fracture alteration Trace pyrite Feldspars salmon pink, mafics and quartz greyish black						
		1777.6 - 1779.0 Pinkish Bleached, potassium altered Barely any mafics = washed out 1% pyrite						
		1778.4 - 1779.0 Quartz veining - 20 deg. TCA Chloritic selvedge 2% fine pyrite in selvedge 2 cm. wide, branching						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ T
1719.5	1929.0	FELDSPAR PORPHYRY OR GRANITE PORPHYRY (Cont'd)						
		1779.0 - 1807.0 Light greyish to dark grey Bleached and silicified Brecciated - chlorite fracture filling 5% diss. pyrite. Bleb py in quartz veins and dykes Aphanitic salmon pink felsic dykes 30 - 50 deg. TCA represent another stage of porphyry injection White carbonate fracture filling Small red hematite? crystals in carbonate Moderately sheared - 50 deg. TCA						
		1807.0 - 1860.0 Abundant aphanitic salmon pink felsic dykes: 1 cm. - 5 feet 20 - 50 deg. TCA Whitish fedlspars in places (approx. 2mm.) Quartz veinlets in dykes Host rock very altered - salmon pink - hematite alteration Host and dykes fractured 20 deg. TCA Chlorite, sericite, carbonate fracture filling Approx. 10% pyrite dissem. + associated with dykes and quartz veins						
		1807.0 - 1807.4 Pyritic veinlets in felsic dyke Felsic dyke Discontinuous Approx. 60 deg. TCA						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
1719.5	1929.0	FELDSPAR PORPHYRY OR GRANITE PORPHYRY (Cont'd)						
		1821.0 - 1821.9 Whitish quartz veining parallel - 30 deg. TCA Chloritic selvedge						
		1826.0 - 1827.0 Pyrite in chloritic veinlets 40 deg. TCA						
		1843.7 - 1849.7 Wide felsic dyke Upper contact broken up approx. 40 deg. TCA 1% dissem. py + py in chloritic veinlets Lower contact broken up						
		1849.7 - 1858.7 Very broken up						
		1860.0 - 1866.7 Texture relatively unaltered Hematitized - dark salmon color 1% diss. pyrite, blebs py						
		1866.7 - 1889.6 Greyish Silicified, sericitized, chloritized Texture diffuse 5% diss. pyrite. Bleb pyrite in fractures						
		1889.6 - 1898.5 Strong to intense shearing 40 deg. TCA						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
1719.5	1929.0	FELDSPAR PORPHYRY OR GRANITE PORPHYRY (Cont'd)						
		1894.4 - 1897.0 Intense shearing Strong silicification Fractured parallel and perpendicular to shearing Quartz, carb., sericite, chlorite fracture filling Abundant reddish hematitic injection and beige carb injection following foliation 1% fine blebs pyrite associated with fracture filling						
		1898.5 - 1918.0 Moderate shearing - 30 deg. TCA Sericite, carb. and epidote in fractures and as spots Chlorite and quartz fracture filling 5-10% dissem. py Fracturing in varous directions, mostly 40 deg. TCA						
		1918.0 - 1927.7 Little alteration Moderately pinkish - hematite Moderate epidote alteration - of mafics -						
		1919.2 - 1919.4 Quartz-tourmaline-pyrite veinlet Quartz contains greyish mineral - galena? All 50 deg. TCA Host rock bleached						

FROM FT.	TO FT.	DESCRIPTION	SAMPLE NUMBER	FROM FT.	TO FT.	CORE LENGTH	ASSAY AU OZ/T	CK ASSAY AU OZ/T
1719.5	1929.0	FELDSPAR PORPHYRY OR GRANITE PORPHYRY (Cont'd)						
		1927.7 - 1929.0 Strong hematitization Dark salmon color Epidote specs, chlorite fracture filling 1-2% disseminated pyrite						
	1929.0	END OF HOLE						

APPENDIX B1

ASSAY RESULTS

SAMPLE	AU-1AT OZ/T
10602	NIL
10603	NIL
10604	TRACE
10605	0.001
10606	0.001
10607	0.002
10608	0.006
10609	0.001
10610	0.008
10611	0.045
10612	0.006
10613	0.044
10614	0.003
10615	0.011
10616	0.009
10617	0.009
10618	0.010
10619	0.004
10620	0.001
10621	0.002
10622	0.001
10623	0.003
10624	TRACE
10625	0.001
10626	0.002
10627	0.002
10628	0.026
10629	TRACE
10630	0.001
10631	TRACE
10632	0.005
10633	0.002
10634	0.024
10635	0.001
10636	0.001
10637	0.001
10638	0.003
10639	TRACE
10640	0.003
10641	NIL
10642	NIL
10643	0.002
10644	0.008
10645	0.001
10646	0.002
10647	0.007
10648	0.050
10649	0.068
10650	0.014
10651	0.011

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
10652	0.061
10653	0.027
10654	0.001
10655	0.002
10656	0.003
10657	0.009
10658	0.002
10659	TRACE
10660	0.004
10661	0.017
10662	0.008
10663	TRACE
10664	0.013
10665	0.013
10666	0.111
10667	0.019
10668	0.034
10669	NIL
10670	0.042
10671	0.047
10672	0.085
10673	0.196
10674	0.111
10675	0.006
10676	TRACE
10677	0.003
10678	0.018
10679	0.075
10680	0.010
10681	0.004
10682	0.003
10683	0.002
10684	0.004

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
10685	0.002
10686	0.002
10687	0.004
10688	0.003
10689	0.005
10690	TRACE
10691	0.005
10692	0.003
10693	0.002
10694	0.001
10695	NIL
10696	NIL
10697	NIL
10698	TRACE
10699	0.002
10700	0.003
10701	0.001
10702	0.003
10703	0.002
10704	0.001
10705	0.011
10706	0.006
10707	0.004
10708	0.008
10709	NIL
10710	0.009
10711	TRACE
10712	0.010
10713	0.054
10714	0.038
10715	0.004
10716	0.008
10717	0.004
10718	0.002
10719	0.009
10720	0.005
10721	0.044
10722	0.001
10723	0.001
10724	NIL
10725	0.024
10726	0.008
10727	0.002
10728	0.001
10729	TRACE
10730	0.003
10731	0.013
10732	0.013
10733	0.076
10734	0.003

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
10735	0.001
10736	0.006
10737	0.001
10738	0.028
10739	0.030
10740	0.006
10740A	0.002
10741	0.001
10742	0.002
10743	TRACE
10744	0.003
10745	0.025
10746	0.002
10747	NIL
10748	TRACE
10749	NIL
10750	NIL
10751	NIL
10752	NIL
10753	NIL
10754	0.001
10926	0.003
10927	0.009
10928	TRACE
10929	0.033
10930	0.003
10931	0.002
10932	0.003
10933	0.001
10934	0.001
10935	0.008
10936	0.011
10937	0.007
10938	0.011
10939	0.011
10940	0.040
10941	0.005
10942	0.010
10943	0.001
10944	0.002
10945	0.004
10946	0.033
10947	0.001
10948	0.001
10949	0.002
10950	0.004
10951	0.004
10952	0.007
10953	0.110
10954	0.050

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
10955	0.002
10956	0.014
10957	0.015
10958	0.017
10959	0.001
10960	0.002
10961	0.002
10962	TRACE
10963	SMP MISS
10964	0.003
10965	0.006
10966	0.001
10967	0.002
10968	0.003
10969	0.002
10970	0.100
10971	TRACE
10972	0.006
10973	TRACE
10974	0.002
10975	0.002
10976	0.110
10977	NIL
10978	0.001
10979	NIL
10980	0.001
10981	TRACE
10982	0.021
10755	0.016
10756	0.010
10757	0.001
10758	0.002

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT
SMP.MISS. - SAMPLE WAS NOT RECEIVED AT XRAL

SAMPLE	AU-1AT OZ/T
10759	TRACE
10760	NIL
10761	0.004
10762	0.001
10763	TRACE
10764	0.002
10765	0.003
10766	0.002
10767	0.002
10768	0.006
10769	0.004
10770	0.001
10771	TRACE
10772	0.003
10773	0.078
10774	0.002
10775	0.001
10776	0.014
10777	TRACE
10778	0.022
10779	0.005
10780	0.002
10781	0.001
10782	NIL
10783	NIL
10784	NIL
10785	NIL
10786	TRACE
10787	NIL
10788	TRACE
10789	NIL
10790	NIL
10791	TRACE
10792	NIL
10793	0.001
10794	0.035
10795	0.014
10796	0.021
10797	0.100
10798	0.050
10799	0.040
10800	0.008
10801	0.013
10802	0.027
10803	0.018
10804	0.071
10805	0.015
10806	0.031
10807	0.058
10808	0.025

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
10809	0.046
10810	0.010
10811	0.103
10812	0.037
10813	0.015
10814	0.005
10815	0.002
10816	0.001
10817	TRACE
10818	TRACE
10819	0.002
10820	0.002
10821	TRACE
10822	0.018
10823	NIL
10824	NIL
10825	NIL
10826	NIL
10827	NIL
10828	NIL
10829	NIL
10830	NIL
10831	NIL
10832	0.002
10833	NIL
10834	NIL
10835	NIL
10836	0.001
10837	0.002
10838	NIL
10839	NIL
10840	NIL
10841	NIL
10842	NIL
10843	NIL
10844	NIL
10845	0.004
10846	0.002
10847	0.001
10848	0.004
10848A	NIL
10849	0.038
10850	0.022
10851	0.051
10852	0.046
10853	0.006
10854	0.011
10855	0.007
10856	0.002
10857	0.009

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
10858	0.004
10859	0.011
10860	0.006
10861	TRACE
10862	0.039
10863	0.016
10864	0.026
10865	0.041
10866	0.021
10867	0.011
10868	0.007
10869	0.014
10870	0.009
10871	0.011
10872	0.009
10873	0.002
10874	TRACE
10875	NIL
10876	NIL
10877	NIL
10878	NIL
10879	TRACE
10880	NIL
10881	NIL
10882	NIL
10883	NIL
10884	NIL
10885	NIL
10886	NIL
10887	NIL
10888	NIL
10889	NIL
10890	NIL

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
10891	0.006
10892	NIL
10893	NIL
10894	NIL
10895	0.002
10896	0.003
10897	0.007
10898	0.003
10899	NIL
10900	0.003
10901	0.004
10902	0.006
10903	NIL
10904	0.013
10905	0.010
10906	0.010
10907	0.020
10908	0.044
10909	0.008
10910	NIL
10911	TRACE
10912	0.002
10913	NIL
10914	NIL
10915	TRACE
10916	NIL
10917	NIL
10918	NIL
10919	NIL
10920	NIL
10921	NIL
10922	NIL
10923	0.003
10924	TRACE
10925	0.001
10985	NIL
10986	0.020
10987	0.020
10988	0.003
10989	0.052
10990	0.001
10991	0.002
10992	NIL
10993	0.053
10994	0.001
10995	NIL
10996	0.090
10997	0.286
10998	0.017
10999	0.002

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

X-RAY ASSAY LABORATORIES 1885 Leslie Street Don Mills Ontario M3B 3J4 (416)445-5755 Fax (416)445-4152 Tlx 06-986947
Member of the SGS Group (Société Générale de Surveillance)

SAMPLE	AU-1AT OZ/T
10735	0.001
10736	0.006
10737	0.001
10738	0.028
10739	0.030
10740	0.006
10740A	0.002
10741	0.001
10742	0.002
10743	TRACE
10744	0.003
10745	0.025
10746	0.002
10747	NIL
10748	TRACE
10749	NIL
10750	NIL
10751	NIL
10752	NIL
10753	NIL
10754	0.001
10926	0.003
10927	0.009
10928	TRACE
10929	0.033
10930	0.003
10931	0.002
10932	0.003
10933	0.001
10934	0.001
10935	0.008
10936	0.011
10937	0.007
10938	0.011
10939	0.011
10940	0.040
10941	0.005
10942	0.010
10943	0.001
10944	0.002
10945	0.004
10946	0.033
10947	0.001
10948	0.001
10949	0.002
10950	0.004
10951	0.004
10952	0.007
10953	0.110
10954	0.050

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
10955	0.002
10956	0.014
10957	0.015
10958	0.017
10959	0.001
10960	0.002
10961	0.002
10962	TRACE
10963	SMP MISS
10964	0.003
10965	0.006
10966	0.001
10967	0.002
10968	0.003
10969	0.002
10970	0.100
10971	TRACE
10972	0.006
10973	TRACE
10974	0.002
10975	0.002
10976	0.110
10977	NIL
10978	0.001
10979	NIL
10980	0.001
10981	TRACE
10982	0.021
10755	0.016
10756	0.010
10757	0.001
10758	0.002

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT
SMP.MISS. - SAMPLE WAS NOT RECEIVED AT XRAL

X-RAY ASSAY LABORATORIES 1885 Leslie Street Don Mills Ontario M3B 3J4 (416)445-5755 Fax (416)445-4152 Tlx 06-986947
Member of the SGS Group (Société Générale de Surveillance)

SAMPLE	AU-1AT OZ/T
11000	0.009
11001	0.934•
11002	0.031
11003	0.070
11004	0.009
11005	0.022
11006	0.019
11007	0.008
11008	0.003
11009	0.001
11010	0.002
11011	0.003
11012	TRACE
11013	0.002
11014	0.001
11015	NIL
11016	NIL
11017	NIL
11018	NIL
11019	NIL
11020	NIL
11021	0.001
11022	NIL
11023	TRACE
11024	NIL
11025	NIL
11026	NIL
11027	NIL
11028	NIL
11029	NIL
11030	TRACE
11031	NIL
10983	0.001
10984	0.004

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

X-RAY ASSAY LABORATORIES 1885 Leslie Street Don Mills Ontario M3B 3J4 (416)445-5755 Fax (416)445-4152 Tlx 06-986947
Member of the SGS Group (Société Générale de Surveillance)

SAMPLE	AU-1AT OZ/T
10891	0.006
10892	NIL
10893	NIL
10894	NIL
10895	0.002
10896	0.003
10897	0.007
10898	0.003
10899	NIL
10900	0.003
10901	0.004
10902	0.006
10903	NIL
10904	0.013
10905	0.010
10906	0.010
10907	0.020
10908	0.044
10909	0.008
10910	NIL
10911	TRACE
10912	0.002
10913	NIL
10914	NIL
10915	TRACE
10916	NIL
10917	NIL
10918	NIL
10919	NIL
10920	NIL
10921	NIL
10922	NIL
10923	0.003
10924	TRACE
10925	0.001
10985	NIL
10986	0.020
10987	0.020
10988	0.003
10989	0.052
10990	0.001
10991	0.002
10992	NIL
10993	0.053
10994	0.001
10995	NIL
10996	0.090
10997	0.286
10998	0.017
10999	0.002

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11000	0.009
11001	0.934•
11002	0.031
11003	0.070
11004	0.009
11005	0.022
11006	0.019
11007	0.008
11008	0.003
11009	0.001
11010	0.002
11011	0.003
11012	TRACE
11013	0.002
11014	0.001
11015	NIL
11016	NIL
11017	NIL
11018	NIL
11019	NIL
11020	NIL
11021	0.001
11022	NIL
11023	TRACE
11024	NIL
11025	NIL
11026	NIL
11027	NIL
11028	NIL
11029	NIL
11030	TRACE
11031	NIL
10983	0.001
10984	0.004

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11032	NIL
11033	TRACE
11034	TRACE
11035	0.026
11036	0.003
11037	0.650
11038	0.005
11039	0.001
11040	0.004
11041	0.002
11042	0.003
11043	0.001
11044	0.042
11045	0.007
11046	0.002
11047	0.017
11048	0.001
11049	0.007
11050	0.011
11051	0.004
11052	0.011
11053	0.011
11054	TRACE
11055	NIL
11056	NIL
11057	NIL
11058	NIL
11059	0.016
11060	0.009
11061	0.002
11062	TRACE
11063	TRACE
11064	0.001
11065	0.002
11066	0.025
11067	0.005
11068	0.095
11069	0.003
11070	0.004
11071	0.001
11072	0.001
11073	0.001
11074	0.009
11075	TRACE
11076	0.003
11077	0.001
11078	0.001
11079	0.001
11080	0.001
11081	0.001

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11082	0.004
11083	0.002
11084	0.003
11085	0.001
11086	TRACE
11087	TRACE
11088	0.001
11240	NIL
11241	NIL
11242	NIL
11243	NIL
11244	NIL
11245	NIL
11246	NIL
11247	TRACE
11248	0.002
11249	NIL
11250	TRACE
11251	0.002
11252	0.003
11253	0.005
11254	0.005
11255	0.002
11256	NIL
11257	NIL
11258	TRACE
11259	TRACE
11260	0.023
11261	0.004
11262	0.011
11263	0.003
11264	0.001
11265	0.001
11266	0.002
11267	0.520
11268	0.003
11269	0.002
11270	0.011
11271	0.019
11272	0.096
11273	0.077
11274	0.025
11275	TRACE
11276	NIL
11277	NIL
11278	0.001
11279	NIL
11280	NIL
11281	0.001
11282	NIL

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11089	0.026
11090	NIL
11091	NIL
11092	NIL
11093	TRACE
11094	NIL
11095	NIL
11096	0.031
11097	0.002
11098	NIL
11099	NIL
11100	NIL
11101	0.001
11102	NIL
11103	NIL
11104	TRACE
11105	TRACE
11106	0.005
11107	NIL
11108	NIL
11109	NIL
11110	TRACE
11111	0.006
11112	0.055
11113	0.001
11114	TRACE
11115	NIL
11116	0.001
11117	0.001
11118	0.003
11119	TRACE
11120	0.002
11121	0.001
11122	0.003
11123	0.004
11124	0.009
11125	0.013
11126	0.004
11127	TRACE
11128	0.001
11129	0.001
11130	TRACE
11131	TRACE
11132	NIL
11133	TRACE
11134	TRACE
11135	TRACE
11136	NIL
11137	NIL
11138	NIL

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11139	TRACE
11140	TRACE
11141	NIL
11142	0.002
11143	0.001
11144	NIL
11145	NIL
11146	0.004
11147	TRACE
11148	0.001
11149	NIL
11150	0.001
11151	TRACE
11152	TRACE
11153	0.004
11154	0.001
11155	0.004
11156	0.001
11157	0.002
11158	NIL
11159	NIL
11160	NIL
11161	0.002
11162	0.002
11163	0.002
11164	0.003
11165	NIL
11166	NIL
11167	0.002
11168	TRACE
11169	0.005
11170	0.008
11171	0.004
11172	0.002
11173	0.001
11174	0.004
11175	0.087
11176	0.004
11177	0.002
11178	TRACE
11179	0.001
11180	0.009
11181	TRACE
11182	0.002
11183	0.001
11184	TRACE
11185	0.002
11186	TRACE
11187	0.001
11188	NIL

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11189	NIL
11190	0.003
11191	0.001
11192	0.002
11193	0.006
11194	TRACE
11195	0.004
11196	0.004
11197	0.002
11198	TRACE
11199	0.003
11200	TRACE
11201	0.001
11202	0.001
11203	0.001
11204	TRACE
11205	TRACE
11206	0.001
11207	NIL
11208	TRACE
11209	0.003
11210	0.003
11211	0.006
11212	0.001
11213	NIL
11214	NIL
11215	TRACE
11216	NIL
11217	NIL
11218	NIL
11219	NIL
11220	NIL
11221	0.002
11222	0.001
11223	0.001
11224	0.002
11225	0.001
11226	0.003
11227	0.002
11228	0.003
11229	0.008
11230	0.004
11231	0.001
11232	0.002
11233	0.004
11234	0.003
11235	0.002
11236	0.001
11237	0.002
11238	0.002

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11239	0.001
11351	0.002
11352	0.011
11353	0.021
11354	0.005
11355	NIL
11356	NIL
11357	TRACE
11358	NIL
11359	NIL
11360	TRACE
11361	NIL
11362	TRACE
11363	0.002
11364	0.002
11365	0.012
11366	0.018
11367	0.007
11368	0.004
11369	0.061
11370	0.004
11371	NIL
11372	0.002
11373	0.002
11374	0.003
11375	0.002
11376	0.001
11377	0.001
11378	TRACE
11379	TRACE
11380	0.006
11381	0.240
11382	0.085
11383	0.022
11384	0.005
11385	0.022
11456	NIL
11457	NIL
11458	NIL
11459	0.003
11460	0.015
11461	0.006
11462	0.017
11463	0.018
11464	0.011
11465	0.031
11466	0.010
11467	0.010
11468	0.023
11469	0.016

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11082	0.004
11083	0.002
11084	0.003
11085	0.001
11086	TRACE
11087	TRACE
11088	0.001
11240	NIL
11241	NIL
11242	NIL
11243	NIL
11244	NIL
11245	NIL
11246	NIL
11247	TRACE
11248	0.002
11249	NIL
11250	TRACE
11251	0.002
11252	0.003
11253	0.005
11254	0.005
11255	0.002
11256	NIL
11257	NIL
11258	TRACE
11259	TRACE
11260	0.023
11261	0.004
11262	0.011
11263	0.003
11264	0.001
11265	0.001
11266	0.002
11267	0.520
11268	0.003
11269	0.002
11270	0.011
11271	0.019
11272	0.096
11273	0.077
11274	0.025
11275	TRACE
11276	NIL
11277	NIL
11278	0.001
11279	NIL
11280	NIL
11281	0.001
11282	NIL

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11283	TRACE
11284	NIL
11285	NIL
11286	NIL
11287	NIL
11288	NIL
11289	NIL
11290	0.005
11291	NIL
11292	NIL
11293	NIL
11294	NIL
11295	0.001
11296	NIL
11297	NIL
11298	0.002
11299	TRACE
11300	TRACE
11301	0.051
11302	0.007
11303	0.009
11304	0.026
11305	0.001
11306	0.062
11307	0.170
11308	0.031
11309	0.087
11310	0.041
11311	0.027
11312	TRACE
11313	NIL
11314	NIL
11315	NIL
11316	TRACE
11317	NIL
11318	NIL
11319	NIL
11320	NIL
11321	NIL
11322	NIL
11323	NIL
11324	NIL
11325	NIL
11326	NIL
11327	NIL
11328	TRACE
11329	0.002
11330	0.001
11331	0.016
11332	0.010

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11333	0.001
11334	TRACE
11335	NIL
11336	NIL
11337	TRACE
11338	NIL
11339	NIL
11340	0.002
11341	TRACE
11342	TRACE
11343	0.002
11344	0.004
11345	0.010
11346	0.017
11347	0.020
11348	0.180
11349	0.034
11350	0.013
11386	0.076
11387	0.120
11388	0.100
11389	0.031
11390	0.033
11391	0.002
11392	0.003
11393	0.002
11394	0.006
11395	0.001
11396	0.004
11397	TRACE
11398	0.027
11399	0.310
11400	0.010
11401	TRACE
11402	TRACE
11403	0.009
11404	0.006
11405	0.006
11406	0.003
11407	NIL
11408	NIL
11409	0.002
11410	0.006
11411	0.004
11412	0.005
11413	0.085
11414	0.065
11415	0.026
11416	0.110
11417	0.190

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11239	0.001
11351	0.002
11352	0.011
11353	0.021
11354	0.005
11355	NIL
11356	NIL
11357	TRACE
11358	NIL
11359	NIL
11360	TRACE
11361	NIL
11362	TRACE
11363	0.002
11364	0.002
11365	0.012
11366	0.018
11367	0.007
11368	0.004
11369	0.061
11370	0.004
11371	NIL
11372	0.002
11373	0.002
11374	0.003
11375	0.002
11376	0.001
11377	0.001
11378	TRACE
11379	TRACE
11380	0.006
11381	0.240
11382	0.085
11383	0.022
11384	0.005
11385	0.022
11456	NIL
11457	NIL
11458	NIL
11459	0.003
11460	0.015
11461	0.006
11462	0.017
11463	0.018
11464	0.011
11465	0.031
11466	0.010
11467	0.010
11468	0.023
11469	0.016

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11333	0.001
11334	TRACE
11335	NIL
11336	NIL
11337	TRACE
11338	NIL
11339	NIL
11340	0.002
11341	TRACE
11342	TRACE
11343	0.002
11344	0.004
11345	0.010
11346	0.017
11347	0.020
11348	0.180
11349	0.034
11350	0.013
11386	0.076
11387	0.120
11388	0.100
11389	0.031
11390	0.033
11391	0.002
11392	0.003
11393	0.002
11394	0.006
11395	0.001
11396	0.004
11397	TRACE
11398	0.027
11399	0.310
11400	0.010
11401	TRACE
11402	TRACE
11403	0.009
11404	0.006
11405	0.006
11406	0.003
11407	NIL
11408	NIL
11409	0.002
11410	0.006
11411	0.004
11412	0.005
11413	0.085
11414	0.065
11415	0.026
11416	0.110
11417	0.190

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11418	0.260
11419	0.340
11420	0.006
11421	0.008
11422	0.003
11423	TRACE
11424	0.010
11425	0.005
11426	0.004
11427	TRACE
11428	0.012
11429	0.005
11430	0.005
11431	0.002
11432	0.002
11433	0.002
11434	0.006
11435	0.002
11436	0.049
11437	0.120
11438	0.040
11439	0.005
11440	0.180
11441	0.300
11442	0.695
11443	0.870
11444	0.150
11445	0.025
11446	0.006
11447	0.002
11448	0.001
11449	0.002
11450	NIL
11451	TRACE
11452	TRACE
11453	TRACE
11454	TRACE
11455	0.001
11676	TRACE
11677	0.002
11678	NIL
11679	NIL
11680	NIL
11681	NIL
11682	TRACE
11683	0.001
11684	TRACE
11685	NIL
11686	NIL
11687	NIL

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11239	0.001
11351	0.002
11352	0.011
11353	0.021
11354	0.005
11355	NIL
11356	NIL
11357	TRACE
11358	NIL
11359	NIL
11360	TRACE
11361	NIL
11362	TRACE
11363	0.002
11364	0.002
11365	0.012
11366	0.018
11367	0.007
11368	0.004
11369	0.061
11370	0.004
11371	NIL
11372	0.002
11373	0.002
11374	0.003
11375	0.002
11376	0.001
11377	0.001
11378	TRACE
11379	TRACE
11380	0.006
11381	0.240
11382	0.085
11383	0.022
11384	0.005
11385	0.022
11456	NIL
11457	NIL
11458	NIL
11459	0.003
11460	0.015
11461	0.006
11462	0.017
11463	0.018
11464	0.011
11465	0.031
11466	0.010
11467	0.010
11468	0.023
11469	0.016

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11470	0.025
11471	0.003
11472	0.002
11473	0.002
11474	0.002
11475	0.002
11476	0.003
11477	0.007
11478	0.028
11479	0.004
11480	0.002
11481	0.140
11482	0.038
11483	0.020
11484	0.017
11485	0.027
11486	0.006
11487	0.009
11488	0.010
11489	0.005
11490	0.004
11491	TRACE
11492	0.001
11493	0.001
11494	0.004
11495	0.005
11496	0.002
11497	0.007
11498	0.003

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11418	0.260
11419	0.340
11420	0.006
11421	0.008
11422	0.003
11423	TRACE
11424	0.010
11425	0.005
11426	0.004
11427	TRACE
11428	0.012
11429	0.005
11430	0.005
11431	0.002
11432	0.002
11433	0.002
11434	0.006
11435	0.002
11436	0.049
11437	0.120
11438	0.040
11439	0.005
11440	0.180
11441	0.300
11442	0.695
11443	0.870
11444	0.150
11445	0.025
11446	0.006
11447	0.002
11448	0.001
11449	0.002
11450	NIL
11451	TRACE
11452	TRACE
11453	TRACE
11454	TRACE
11455	0.001
11676	TRACE
11677	0.002
11678	NIL
11679	NIL
11680	NIL
11681	NIL
11682	TRACE
11683	0.001
11684	TRACE
11685	NIL
11686	NIL
11687	NIL

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11688	NIL
11689	NIL
11690	NIL
11691	NIL
11692	NIL
11693	NIL
11694	NIL
11695	NIL
11696	TRACE
11697	0.002
11698	0.001
11699	NIL
11700	0.002
11701	0.004
11702	0.006
11703	0.001
11704	0.140
11705	0.008
11706	0.007
11707	0.280
11708	0.079
11709	0.081
11710	0.190
11711	0.001
11712	0.002
11713	0.011
11714	TRACE
11715	0.024
11716	0.646
11717	0.026
11718	0.021
11719	0.002
11720	0.010
11721	0.001
11722	0.007
11723	0.004
11724	TRACE
11725	TRACE
11726	0.001
11727	TRACE
11728	0.001
11729	TRACE
11730	0.003
11731	0.002
11732	0.002
11733	0.001
11734	0.006
11735	0.002
11736	TRACE
11737	TRACE

U-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11738	NIL
11739	NIL
11740	NIL
11741	NIL
11742	NIL
11743	NIL
11744	NIL
11745	0.009
11746	NIL
11747	0.001
11748	0.003
11749	0.004
11750	0.010
11751	0.014
11752	0.032
11753	0.015
11754	0.009
11755	0.001
11756	0.003
11757	0.001
11758	0.001
11759	TRACE
11760	NIL
11761	NIL
11762	TRACE
11763	NIL
11764	NIL
11765	0.012
11766	0.005
11767	0.012
11768	NIL
11769	0.023
11770	0.010
11771	0.011
11772	0.012
11773	0.021
11774	0.082
11775	0.020
11776	0.020
11777	0.004
11778	0.001
11779	0.016
11780	0.018
11781	0.012
11782	0.013
11783	0.006
11784	0.063
11785	0.002
11786	0.001
11787	0.001

J-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11788	0.005
11789	0.008
11790	0.006
11791	0.002
11792	0.007
11793	0.003
11794	0.013
11795	TRACE
11796	0.002
11797	0.001
11798	0.009
11799	0.002
11800	0.002
11801	0.004
11802	0.006
11803	0.002
11804	TRACE
11805	TRACE
11806	NIL
11807	0.003
11808	TRACE
11809	0.003
11810	0.002
11811	0.002
11812	0.002
11813	0.002
11814	0.001
11815	NIL
11816	TRACE
11817	0.003
11818	0.001
11819	0.001
11820	TRACE
11821	0.001
11822	NIL
11823	NIL
11824	NIL
11825	TRACE
11826	NIL
11827	NIL
11828	NIL
11829	NIL
11830	NIL
11831	0.002
11832	NIL
11833	0.002
11834	TRACE
11835	NIL
11836	NIL
11837	NIL

-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11838	NIL
11839	NIL
11840	TRACE
11841	NIL
11842	0.001
11843	NIL
11844	NIL
11845	TRACE
11846	NIL
11847	TRACE
11848	TRACE

/ -1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11849	0.002
11850	0.001
11851	0.001
11852	0.003
11853	0.002
11854	0.008
11855	0.006
11856	0.004
11857	0.001
11858	0.002
11859	0.002
11860	0.001
11861	0.002
11862	TRACE
11863	0.001
11864	TRACE
11865	TRACE
11866	TRACE
11867	TRACE
11868	0.001
11869	NIL
11870	NIL
11871	NIL
11872	NIL
11873	TRACE
11874	0.001
11875	NIL
11876	0.002
11877	0.003
11878	0.011
11879	0.020
11880	0.002
11881	0.002
11882	0.002
11883	0.009
11884	0.002
11885	0.001
11886	0.001
11887	0.006
11888	0.001
11889	0.022
11890	0.008
11891	0.004
11892	0.004
11893	0.001
11894	0.054
11895	0.032
11896	0.017
11897	TRACE
11898	0.001

U-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11899	0.005
11900	0.015
11901	0.001
11902	NIL
11903	0.005
11904	0.012
11905	0.001
11906	0.004
11907	0.006
11908	0.004
11909	0.019
11910	0.012
11911	0.003
11912	0.003
11913	0.061
11914	0.021
11915	0.001
11916	0.001
11917	0.002
11918	0.025
11919	0.047
11920	0.005
11921	NIL
11922	0.001
11923	NIL
11924	NIL
11925	NIL
11926	NIL
11927	NIL
11928	NIL
11929	NIL
11930	0.001
11931	TRACE
11932	TRACE
11933	0.001
11934	0.001

U-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

X-RAY ASSAY LABORATORIES 1885 Leslie Street Don Mills Ontario M3B 3J4 (416)445-5755 Fax (416)445-4152 Tlx 06-986947
Member of the SGS Group (Société Générale de Surveillance)

SAMPLE	AU-1AT OZ/T
11935	TRACE
11936	0.001
11937	0.001
11938	0.001
11939	TRACE
11940	TRACE
11941	TRACE
11942	TRACE
11943	NIL
11944	NIL
11945	0.002
11946	0.007
11947	0.013
11948	0.013
11949	0.024
11950	0.044
11951	0.020
11952	0.015
11953	0.020
11954	0.003
11955	0.001
11956	0.001
11957	0.002
11958	0.005
11959	0.002
11960	0.011
11961	0.003
11962	0.002
11963	0.001
11964	0.001
11965	0.001
11966	0.002
11967	0.004
11968	0.030
11969	0.036
11970	0.006
11971	0.013
11972	0.044
11973	0.007
11974	0.005
11975	0.001
11976	0.001
11977	0.002
11978	0.058
11979	0.230
11980	0.001
11981	0.002
11982	0.003
11983	0.020
11984	0.026

-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11985	0.037
11986	0.020
11987	0.026
11988	0.064
11989	0.007
11990	0.041
11991	0.008
11992	0.004
11993	0.018
11994	0.010
11995	0.008
11996	0.003
11997	0.012
11998	0.016
11999	0.024
12000	0.060
12515	0.001
12516	TRACE
12517	0.001
12518	TRACE
12519	NIL
12520	0.002
12521	0.003
12522	0.004
12523	0.014
12524	0.003
12525	0.021
12526	0.001
12527	TRACE
12528	0.001
12529	0.001
12530	0.130
12531	0.001
12532	0.001
12533	0.001
12534	0.005
12535	0.002
12536	0.001
12537	0.001
12538	TRACE
12539	TRACE
12540	0.001
12541	0.001
12542	0.001
12543	0.001
12544	0.004
12545	0.004
12546	0.003
12547	0.002
12548	0.001

-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

XRAL

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SAMPLE	AU-1AT OZ/T
12001	TRACE
12002	0.002
12003	0.001
12004	0.002
12005	NIL
12006	NIL
12007	NIL
12008	NIL
12009	0.001
12010	0.001
12011	0.002
12012	0.001
12013	0.003
12014	TRACE
12015	0.002
12016	0.001
12017	NIL
12018	0.002
12019	NIL
12020	NIL
12021	0.001
12022	0.004
12023	0.002
12024	TRACE
12025	NIL
12026	NIL
12027	TRACE
12028	NIL
12029	0.001
12030	TRACE
12031	NIL
12032	0.002
12033	TRACE
12034	TRACE
12035	NIL
12036	NIL
12037	NIL
12038	NIL
12039	TRACE
12040	NIL
12041	0.002
12042	0.009
12043	0.007
12044	0.005
12045	0.004
12046	0.005
12047	0.007
12048	0.006
12049	0.006
12050	0.004

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

KRAL

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SAMPLE	AU-1AT OZ/T
12051	0.007
12052	0.014
12053	0.008
12054	0.011
12055	0.005
12056	0.005
12057	0.016
12058	0.006
12059	0.004
12060	0.012
12061	TRACE
12062	TRACE
12063	0.002
12064	0.001
12065	0.002
12066	0.002
12067	0.014
12068	0.018
12069	0.019
12070	0.005
12071	TRACE
12072	0.004
12073	0.004
12074	0.002
12075	0.001
12076	NIL
12077	0.002
12078	TRACE
12079	0.001
12080	0.004
12081	TRACE

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
12401	NIL
12402	0.007
12403	TRACE
12404	0.001
12405	0.006
12406	0.002
12407	NIL
12408	NIL
12409	NIL
12410	NIL
12411	NIL
12412	NIL
12413	NIL
12414	NIL
12415	NIL
12416	NIL
12417	NIL
12418	NIL
12419	NIL
12420	0.003
12421	NIL
12422	NIL
12423	NIL
12424	NIL
12425	NIL
12426	NIL
12427	NIL
12428	NIL
12429	NIL
12430	NIL
12431	0.002
12432	0.001
12433	NIL
12434	0.001
12435	0.019
12436	0.006
12437	0.003
12438	0.010
12439	NIL
12440	NIL
12441	NIL
12442	NIL
12443	NIL
12444	TRACE
12445	NIL
12446	NIL
12447	NIL
12448	NIL
12449	0.002
12450	0.010

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
12451	NIL
12452	0.001
12453	TRACE
12454	0.006
12455	TRACE
12456	0.002
12457	TRACE
12458	NIL
12459	0.002
12460	0.001
12461	0.004
12462	0.001
12463	0.002
12464	0.002
12465	TRACE
12466	TRACE
12467	0.001
12468	TRACE
12469	TRACE
12470	0.001
12471	0.003
12472	TRACE
12473	TRACE
12474	0.006
12475	NIL
12476	TRACE
12477	0.002
12478	0.005
12479	0.002
12480	0.002
12481	0.003
12482	TRACE
12483	TRACE
12484	0.002
12485	NIL
12486	0.001
12487	NIL
12488	NIL
12489	0.001
12490	0.001
12491	NIL
12492	0.002
12493	0.002
12494	0.020
12495	0.005
12496	0.003
12497	0.014
12498	0.004
12499	0.016
12500	TRACE

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
12775	0.014
12776	0.005
12777	0.007
12778	0.014
12779	0.011
12780	0.016
12781	0.020
12782	0.027
12783	0.066
12784	0.024
12785	0.076
12786	0.180
12787	0.013
12788	0.014
12789	0.037
12790	0.027
12791	0.011
12792	0.017
12793	0.006
12501	0.012
12502	0.010
12503	0.001
12504	TRACE
12505	0.001
12506	0.005
12507	0.001
12508	TRACE
12509	0.002
12510	0.008
12511	0.003
12512	0.009
12513	0.013
12514	0.003

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11985	0.037
11986	0.020
11987	0.026
11988	0.064
11989	0.007
11990	0.041
11991	0.008
11992	0.004
11993	0.018
11994	0.010
11995	0.008
11996	0.003
11997	0.012
11998	0.016
11999	0.024
12000	0.060
12515	0.001
12516	TRACE
12517	0.001
12518	TRACE
12519	NIL
12520	0.002
12521	0.003
12522	0.004
12523	0.014
12524	0.003
12525	0.021
12526	0.001
12527	TRACE
12528	0.001
12529	0.001
12530	0.130
12531	0.001
12532	0.001
12533	0.001
12534	0.005
12535	0.002
12536	0.001
12537	0.001
12538	TRACE
12539	TRACE
12540	0.001
12541	0.001
12542	0.001
12543	0.001
12544	0.004
12545	0.004
12546	0.003
12547	0.002
12548	0.001

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
12549	TRACE
12550	0.001
12551	0.001
12552	0.001
12553	0.001
12554	0.001
12555	0.003
12556	0.001
12557	0.001
12558	TRACE
12559	TRACE
12560	TRACE
12561	TRACE
12562	TRACE
12563	TRACE
12564	0.001
12565	0.003
12566	0.001
12567	0.032
12568	0.047
12569	0.050
12570	0.011
12571	0.012
12572	0.009
12573	0.010
12574	0.045
12575	0.009
12576	0.014
12577	0.008
12578	0.110
12579	0.029
12580	0.026
12581	0.023
12582	0.030
12583	0.130
12584	0.031
12585	0.004
12586	0.004
12587	0.027
12588	0.022
12589	0.006
12590	0.010
12591	0.016
12592	0.003
12593	0.066
12594	0.470
12595	0.019
12596	0.037
12597	0.007
12598	0.011

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
12599	0.005
12600	0.024
12727	0.002
12728	0.001
12729	0.077
12730	0.061
12731	0.021
12732	0.003
12733	0.003
12734	0.051
12735	0.011
12736	0.002
12737	0.001
12738	0.001
12739	0.004
12740	TRACE
12741	0.001
12742	NIL
12743	NIL
12744	0.006
12745	NIL
12746	NIL
12747	NIL
12748	NIL
12749	NIL
12750	TRACE
12751	NIL
12752	0.019
12753	0.002
12754	0.001
12755	NIL
12756	NIL
12757	0.043
12758	0.031
12759	0.017
12760	0.016
12761	0.009
12762	0.008
12763	0.011
12764	0.006
12765	0.010
12766	0.004
12767	0.008
12768	0.022
12769	0.004
12770	0.005
12771	0.011
12772	0.006
12773	0.003
12774	0.007

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
12601	0.001
12602	NIL
12603	NIL
12604	NIL
12605	0.001
12606	NIL
12607	NIL
12608	0.001
12609	TRACE
12610	TRACE
12611	0.001
12612	NIL
12613	NIL
12614	NIL
12615	NIL
12616	0.001
12617	NIL
12618	NIL
12619	NIL
12620	NIL
12621	NIL
12622	0.001
12623	0.001
12624	NIL
12625	0.007
12626	0.001
12627	0.001
12628	0.002
12629	0.001
12630	0.001
12631	0.015
12632	0.006
12633	0.001
12634	0.002
12635	0.001
12636	0.002
12637	0.003
12638	0.001
12639	0.001
12640	0.001
12641	0.002
12642	0.006
12643	0.001
12644	0.016
12645	0.002
12646	0.002
12647	0.004
12648	0.002
12648A	0.140
12649	0.350

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
12650	0.180
12651	0.038
12652	0.190
12653	0.003
12654	0.002
12655	0.001
12656	0.001
12657	0.006
12658	0.001
12659	0.009
12660	0.006
12661	0.004
12662	0.067
12663	0.100
12664	0.280
12665	0.120
12666	0.004
12667	0.032
12668	0.008
12669	0.003
12670	0.009
12671	0.002
12672	0.006
12673	0.001
12674	0.001
12675	TRACE
12676	TRACE
12677	NIL
12678	0.001
12679	0.002
12680	0.002
12681	0.001
12682	0.001
12683	TRACE
12684	TRACE
12685	TRACE
12686	TRACE
12687	TRACE
12688	0.001
12689	TRACE
12690	NIL
12691	NIL
12692	NIL
12693	0.001
12694	NIL
12695	NIL
12696	NIL
12697	TRACE
12698	NIL
12699	NIL

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
12700	0.008
12701	0.006
12702	0.006
12703	TRACE
12704	NIL
12705	NIL
12706	NIL
12707	NIL
12708	TRACE
12709	0.003
12710	NIL
12711	0.004
12712	NIL
12713	0.002
12714	0.004
12715	NIL
12716	0.001
12717	0.005
12718	TRACE
12719	0.001
12720	TRACE
12721	TRACE
12722	0.001
12723	0.001
12724	0.002
12725	0.001
12726	TRACE

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
12599	0.005
12600	0.024
12727	0.002
12728	0.001
12729	0.077
12730	0.061
12731	0.021
12732	0.003
12733	0.003
12734	0.051
12735	0.011
12736	0.002
12737	0.001
12738	0.001
12739	0.004
12740	TRACE
12741	0.001
12742	NIL
12743	NIL
12744	0.006
12745	NIL
12746	NIL
12747	NIL
12748	NIL
12749	NIL
12750	TRACE
12751	NIL
12752	0.019
12753	0.002
12754	0.001
12755	NIL
12756	NIL
12757	0.043
12758	0.031
12759	0.017
12760	0.016
12761	0.009
12762	0.008
12763	0.011
12764	0.006
12765	0.010
12766	0.004
12767	0.008
12768	0.022
12769	0.004
12770	0.005
12771	0.011
12772	0.006
12773	0.003
12774	0.007

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
12775	0.014
12776	0.005
12777	0.007
12778	0.014
12779	0.011
12780	0.016
12781	0.020
12782	0.027
12783	0.066
12784	0.024
12785	0.076
12786	0.180
12787	0.013
12788	0.014
12789	0.037
12790	0.027
12791	0.011
12792	0.017
12793	0.006
12501	0.012
12502	0.010
12503	0.001
12504	TRACE
12505	0.001
12506	0.005
12507	0.001
12508	TRACE
12509	0.002
12510	0.008
12511	0.003
12512	0.009
12513	0.013
12514	0.003

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
12794	0.085
12795	0.032
12796	0.007
12797	0.002
12798	0.006
12799	0.053
12800	0.036
12801	0.012
12802	0.004
12803	0.021
12804	0.004
12805	0.007
12806	0.005
12807	0.004
12808	0.004
12809	0.009
12810	0.077
12811	0.006
12812	0.006
12813	0.006
12814	0.006
12815	0.011
12816	0.007
12817	0.006
12818	0.005
12819	0.004
12820	0.005
12821	0.004
12822	0.005
14001	0.001
14002	0.001
14003	0.001
14004	0.001
14005	0.001
14006	TRACE
14007	0.001
14008	0.002
14009	0.001
14010	0.015
14011	0.003
14012	0.002
14013	0.001
14014	0.003
14015	0.002
14016	0.002
14017	0.002
14018	0.004
14019	0.001
14020	TRACE
14021	0.001

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
12823	TRACE
12824	0.001
12825	TRACE
12826	TRACE
12827	0.001
12828	0.004
12829	0.001
12830	0.001
12831	0.001
12832	NIL
12833	TRACE
12834	TRACE
12835	0.001
12836	0.002
12837	0.001
12838	0.001
12839	0.002
12840	0.003
12841	0.001
12842	0.001
12843	0.002
12844	0.009
12845	0.004
12846	0.001
12847	TRACE
12848	0.004
12849	0.001
12850	0.002
12851	0.002
12852	0.006
12853	NIL
12854	0.003
12855	0.010
12856	NIL
12857	NIL
12858	TRACE
12859	0.003
12860	NIL
12861	TRACE
12862	NIL
12863	0.001
12864	TRACE
12865	0.001
12866	0.002
12867	NIL
12868	0.006
12869	0.001
12870	0.009
12871	NIL
12872	NIL

U-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
12873	0.001
12874	0.001
12875	0.001
12876	0.001
12877	0.001
12878	0.005
12879	0.003
12880	0.009
12881	0.011
12882	0.019
12883	0.006
12884	0.001
12885	0.001
12886	0.001
12887	TRACE
12888	0.001
12889	0.001
12890	0.001
12891	0.026
12892	0.018
12893	0.023
12894	0.002
12895	0.011
12896	0.010
12897	0.002
12898	0.004
12899	0.001
12900	0.002
12901	0.006
12902	0.001
12903	0.001
12904	TRACE
12905	0.004
12906	NIL
12907	0.003
12908	0.005
12909	0.001
12910	0.003
12911	0.002
12912	0.002
12913	0.002
12914	0.006
12915	0.641
12916	0.170
12917	0.004
12918	0.004
12919	0.002
12920	0.001
12921	NIL
12922	0.001

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
12923	NIL
12924	NIL
12925	TRACE
12926	NIL
12927	0.001
12928	NIL
12929	NIL
12930	0.005
12931	TRACE
12932	NIL
12933	NIL
12934	NIL
12935	NIL
12936	NIL
12937	0.001
12938	0.002
12939	TRACE
12940	TRACE
12941	NIL
12942	TRACE
12943	NIL
12944	NIL
12945	NIL
12946	NIL
12947	TRACE
12948	0.001
12949	NIL
12950	NIL
12951	NIL
12952	NIL
12953	TRACE
12954	0.001
12955	0.001
12956	NIL
12957	0.002
12958	0.001
12959	NIL
12960	NIL
12961	0.001
12962	0.001
12963	0.006
12964	0.001
12965	0.004
12966	0.003
12967	0.001
12968	TRACE
12969	NIL
12970	TRACE
12971	NIL
12972	NIL

-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
12973	NIL
12974	NIL
12975	TRACE
12976	NIL
12977	NIL
12978	0.001
12979	NIL
12980	NIL
12981	NIL
12982	NIL
12983	NIL
12984	NIL
12985	TRACE
12986	TRACE
12987	NIL
12988	NIL
12989	NIL
12990	NIL
12991	NIL
12992	0.001
12993	0.002
12994	0.009
12995	0.001
12996	0.024
12997	0.006
12998	0.018
12999	0.006
13000	0.046
14033	0.001
14034	0.001
14035	0.020
14036	0.011
14037	0.007
14038	0.005
14039	0.001
14040	0.001
14041	TRACE
14042	TRACE
14043	NIL
14044	NIL
14045	0.001
14046	TRACE
14047	0.004
14048	0.024
14049	0.002
14050	0.002
14051	0.015
14052	0.006
14053	0.019
14054	0.002

U-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
12794	0.085
12795	0.032
12796	0.007
12797	0.002
12798	0.006
12799	0.053
12800	0.036
12801	0.012
12802	0.004
12803	0.021
12804	0.004
12805	0.007
12806	0.005
12807	0.004
12808	0.004
12809	0.009
12810	0.077
12811	0.006
12812	0.006
12813	0.006
12814	0.006
12815	0.011
12816	0.007
12817	0.006
12818	0.005
12819	0.004
12820	0.005
12821	0.004
12822	0.005
14001	0.001
14002	0.001
14003	0.001
14004	0.001
14005	0.001
14006	TRACE
14007	0.001
14008	0.002
14009	0.001
14010	0.015
14011	0.003
14012	0.002
14013	0.001
14014	0.003
14015	0.002
14016	0.002
14017	0.002
14018	0.004
14019	0.001
14020	TRACE
14021	0.001

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
14022	0.001
14023	0.006
14024	0.003
14025	0.005
14026	0.001
14027	0.007
14028	TRACE
14029	TRACE
14030	TRACE
14031	0.001
14032	TRACE

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
12973	NIL
12974	NIL
12975	TRACE
12976	NIL
12977	NIL
12978	0.001
12979	NIL
12980	NIL
12981	NIL
12982	NIL
12983	NIL
12984	NIL
12985	TRACE
12986	TRACE
12987	NIL
12988	NIL
12989	NIL
12990	NIL
12991	NIL
12992	0.001
12993	0.002
12994	0.009
12995	0.001
12996	0.024
12997	0.006
12998	0.018
12999	0.006
13000	0.046
14033	0.001
14034	0.001
14035	0.020
14036	0.011
14037	0.007
14038	0.005
14039	0.001
14040	0.001
14041	TRACE
14042	TRACE
14043	NIL
14044	NIL
14045	0.001
14046	TRACE
14047	0.004
14048	0.024
14049	0.002
14050	0.002
14051	0.015
14052	0.006
14053	0.019
14054	0.002

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
14055	0.030
14056	0.085
14057	0.004
14058	0.004
14059	0.009
14060	0.008
14061	0.003
14062	0.002
14063	0.022
14064	0.011
14065	0.001
14066	0.001
14067	TRACE
14068	0.002
14069	0.006
14070	TRACE
14071	NIL
14072	TRACE
14073	0.001
14074	0.001
14075	0.002
14076	0.002
14077	0.004
14078	NIL
14079	NIL
14080	NIL
14081	0.009
14082	0.003
14083	0.001
14084	0.001
14085	0.032
14086	0.010
14087	0.001
14088	0.001
14089	0.001
14090	NIL
14091	TRACE
14092	NIL
14093	NIL
14094	NIL
14095	NIL
14096	0.001
14097	NIL
14098	TRACE
14099	0.001
14100	TRACE
14101	0.001
14102	0.002
14103	0.001

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
14201	NIL
14202	0.004
14203	0.001
14204	TRACE
14205	TRACE
14206	0.002
14207	0.001
14208	TRACE
14209	TRACE
14210	0.001
14211	NIL
14212	0.001
14213	NIL
14214	NIL
14215	NIL
14216	NIL
14217	0.002
14218	TRACE
14219	0.004
14220	0.002
14221	0.001
14222	0.001
14223	0.660
14224	0.002
14225	0.001
14226	0.001
14227	0.001
14228	TRACE
14229	NIL
14230	0.004
14231	0.001
14232	0.004
14233	0.002
14234	0.003
14235	TRACE
14236	TRACE
14237	NIL
14238	NIL
14239	TRACE
14240	TRACE
14241	NIL
14242	NIL
14243	NIL
14244	TRACE
14245	TRACE
14246	NIL
14247	NIL
14248	TRACE
14249	NIL
14250	NIL

-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
14251	0.020
14252	0.015
14253	0.008
14254	0.003
14255	0.001
14256	0.013
14257	0.001
14258	NIL
14259	0.004
14260	0.003
14261	0.005
14262	0.002
14263	NIL
14264	0.002
14265	TRACE
14266	0.003
14267	0.001
14268	0.002
14269	0.001
14270	NIL
14271	0.001
14272	TRACE
14273	NIL
14274	TRACE
14275	0.002
14276	0.001
14277	0.010
14278	0.150
14279	0.018
14280	0.002
14281	0.001
14282	TRACE
14283	0.002
14284	0.001
14285	TRACE
14286	0.003
14287	NIL
14288	NIL
14289	TRACE
14290	0.001
14291	NIL
14292	TRACE
14293	0.001
14294	0.001
14295	0.001
14296	0.001
14297	0.002
14298	0.005
14299	0.002
14300	0.002

U-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
14301	0.001
14302	0.008
14303	0.002
14304	0.001
14305	0.003
14306	0.001
14307	TRACE
14308	TRACE
14309	0.006
14310	0.005
14311	TRACE
14312	0.001
14313	0.001
14314	0.003
14315	0.004
14316	0.007
14317	0.005
14318	0.004
14319	0.006
14320	0.001
14321	0.003
14322	0.004
14323	0.006
14324	0.002
14325	0.008
14326	0.003
14327	0.007
14328	0.001
14329	0.003
14330	0.002
14331	0.004
14332	0.001
14333	0.001
14334	0.001
14335	0.001
14336	0.001
14337	0.006
14338	0.001
14339	0.003
14340	0.013
14341	0.003
14342	0.006
14343	0.002
14344	TRACE
14345	NIL
14346	NIL
14347	NIL
14348	0.001
14349	0.001
14350	TRACE

U-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
14351	0.001
14352	0.002
14353	0.002
14354	NIL
14355	NIL
14356	NIL
14357	NIL
14358	NIL
14359	NIL
14360	NIL
14361	TRACE
14362	TRACE
14363	TRACE
14364	TRACE
14365	0.001
14366	NIL
14367	NIL
14368	NIL
14369	TRACE
14370	0.006
14371	TRACE
14372	0.005
14373	0.003
14374	TRACE
14375	TRACE
14376	0.001
14377	NIL
14378	TRACE
14379	NIL
14380	TRACE
14381	NIL
14382	TRACE
14383	TRACE
14384	NIL
14385	NIL
14386	0.002
14387	0.001
14388	NIL
14389	0.001
14390	NIL
14391	NIL
14392	NIL
14393	NIL
14394	NIL
14395	TRACE
14396	0.001
14397	NIL
14398	0.001
14399	NIL
14400	0.001

U-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
14401	0.001
14402	0.003
14403	0.002
14404	0.001
14405	0.001
14406	0.003
14407	0.001
14408	TRACE
14409	TRACE
14410	0.001
14411	0.001
14412	0.002
14413	0.001
14414	0.003
14415	0.004
14416	0.003
14417	0.001
14418	0.001
14419	0.001
14420	0.002
14421	0.001
14422	0.005
14423	0.002
14424	0.003
14425	0.001
14426	TRACE
14427	0.001
14428	TRACE
14429	TRACE
14430	0.001
14431	0.003
14432	TRACE
14433	0.001
14434	0.001
14435	0.001
14436	0.004
14437	0.003
14438	0.001
14439	0.004
14440	0.018
14441	0.001
14442	0.001
14443	0.001
14444	0.180
14445	0.140
14446	0.060
14447	0.013
14448	0.016
14449	0.100
14450	0.130

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
14461	0.001
14462	0.001
14463	0.002
14464	0.005
14465	0.001
14466	0.002
14467	0.001
14468	0.001
14469	0.001
14470	0.001
14471	0.001
14472	0.003
14473	0.002
14474	TRACE
14475	NIL
14476	NIL
14477	0.002
14478	TRACE

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

APPENDIX B2

CHECK ASSAY RESULTS

SAMPLE	AG-1AT OZ/T
10710	TRACE
10713	TRACE
10714	TRACE
10721	NIL
10725	TRACE
10733	TRACE
10929	NIL
10940	NIL
10953	NIL
10958	NIL
10970	0.08
10976	0.04
10982	NIL
10611	TRACE
10618	NIL
10628	TRACE
10634	NIL
10648	TRACE
10649	TRACE
10666	TRACE
10672	NIL
10673	NIL
10674	0.07
10773	TRACE
10794	TRACE
10795	TRACE
10796	TRACE
10797	0.03
10798	NIL
10802	NIL
10804	TRACE
10807	NIL
10811	NIL
10849	TRACE
10851	NIL
10852	0.10
10864	TRACE
10865	NIL
10908	TRACE
10986	NIL
10987	0.06
10989	TRACE
10993	NIL
10996	0.02
10997	NIL
11096	0.08
11112	TRACE
11125	NIL
11353	TRACE
11381	0.08

AG-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AG-1AT OZ/T
11387	0.02
11388	0.02
11398	TRACE
11399	0.05
11400	TRACE
11413	TRACE
11414	TRACE
11415	TRACE
11416	0.07
11417	0.16
11418	0.10
11419	0.16
11436	TRACE
11437	0.02
11438	NIL
11440	NIL
11441	0.02
11442	0.08
11443	NIL
11444	NIL
11445	0.04
11468	NIL
11481	0.18
11001	NIL
11003	TRACE
11035	TRACE
11037	NIL
11267	NIL
11272	0.02
11301	0.06
11309	NIL
11348	0.88
11704	NIL
11707	NIL
11708	0.02
11709	NIL
11710	NIL
11716	NIL
11752	TRACE
11769	TRACE
11774	NIL
11784	TRACE
12648A	0.01
12649	NIL
12650	NIL
12651	0.01
12652	NIL
12662	TRACE
12663	0.11
12664	0.09

AG-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AG-1AT OZ/T
11387	0.02
11388	0.02
11398	TRACE
11399	0.05
11400	TRACE
11413	TRACE
11414	TRACE
11415	TRACE
11416	0.07
11417	0.16
11418	0.10
11419	0.16
11436	TRACE
11437	0.02
11438	NIL
11440	NIL
11441	0.02
11442	0.08
11443	NIL
11444	NIL
11445	0.04
11468	NIL
11481	0.18
11001	NIL
11003	TRACE
11035	TRACE
11037	NIL
11267	NIL
11272	0.02
11301	0.06
11309	NIL
11348	0.88
11704	NIL
11707	NIL
11708	0.02
11709	NIL
11710	NIL
11716	NIL
11752	TRACE
11769	TRACE
11774	NIL
11784	TRACE
12648A	0.01
12649	NIL
12650	NIL
12651	0.01
12652	NIL
12662	TRACE
12663	0.11
12664	0.09

AG-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AG-1AT OZ/T
11387	0.02
11388	0.02
11398	TRACE
11399	0.05
11400	TRACE
11413	TRACE
11414	TRACE
11415	TRACE
11416	0.07
11417	0.16
11418	0.10
11419	0.16
11436	TRACE
11437	0.02
11438	NIL
11440	NIL
11441	0.02
11442	0.08
11443	NIL
11444	NIL
11445	0.04
11468	NIL
11481	0.18
11001	NIL
11003	TRACE
11035	TRACE
11037	NIL
11267	NIL
11272	0.02
11301	0.06
11309	NIL
11348	0.88
11704	NIL
11707	NIL
11708	0.02
11709	NIL
11710	NIL
11716	NIL
11752	TRACE
11769	TRACE
11774	NIL
11784	TRACE
12648A	0.01
12649	NIL
12650	NIL
12651	0.01
12652	NIL
12662	TRACE
12663	0.11
12664	0.09

AG-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AG-1AT OZ/T
11387	0.02
11388	0.02
11398	TRACE
11399	0.05
11400	TRACE
11413	TRACE
11414	TRACE
11415	TRACE
11416	0.07
11417	0.16
11418	0.10
11419	0.16
11436	TRACE
11437	0.02
11438	NIL
11440	NIL
11441	0.02
11442	0.08
11443	NIL
11444	NIL
11445	0.04
11468	NIL
11481	0.18
11001	NIL
11003	TRACE
11035	TRACE
11037	NIL
11267	NIL
11272	0.02
11301	0.06
11309	NIL
11348	0.88
11704	NIL
11707	NIL
11708	0.02
11709	NIL
11710	NIL
11716	NIL
11752	TRACE
11769	TRACE
11774	NIL
11784	TRACE
12648A	0.01
12649	NIL
12650	NIL
12651	0.01
12652	NIL
12662	TRACE
12663	0.11
12664	0.09

AG-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11386	0.085
11387	0.110
11388	0.100
11389	0.033
11398	0.018
11399	0.290
11400	0.013
11416	0.093
11417	0.160
11418	0.250
11419	0.310
11437	0.110
11440	0.180
11441	0.260
11442	0.600
11443	0.079
11444	0.130
11266	0.003
11267	0.520
11268	0.004
11306	0.053
11307	0.096
11308	0.030
11309	0.067
11347	0.020
11348	0.180
11349	0.033
11037	0.660
11038	0.004
11703	0.002
11704	0.140
11705	0.004
11706	0.007
11707	0.260
11708	0.077
11709	0.079
11710	0.200
11715	0.023
11716	0.671
11717	0.025

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

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Member of the SGS Group (Société Générale de Surveillance)

SAMPLE	AG-1AT OZ/T
10710	TRACE
10713	TRACE
10714	TRACE
10721	NIL
10725	TRACE
10733	TRACE
10929	NIL
10940	NIL
10953	NIL
10958	NIL
10970	0.08
10976	0.04
10982	NIL
10611	TRACE
10618	NIL
10628	TRACE
10634	NIL
10648	TRACE
10649	TRACE
10666	TRACE
10672	NIL
10673	NIL
10674	0.07
10773	TRACE
10794	TRACE
10795	TRACE
10796	TRACE
10797	0.03
10798	NIL
10802	NIL
10804	TRACE
10807	NIL
10811	NIL
10849	TRACE
10851	NIL
10852	0.10
10864	TRACE
10865	NIL
10908	TRACE
10986	NIL
10987	0.06
10989	TRACE
10993	NIL
10996	0.02
10997	NIL
11096*	0.08
11112	TRACE
11125	NIL
11353	TRACE
11381	0.08

AG-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AG-1AT OZ/T
10710	TRACE
10713	TRACE
10714	TRACE
10721	NIL
10725	TRACE
10733	TRACE
10929	NIL
10940	NIL
10953	NIL
10958	NIL
10970	0.08
10976	0.04
10982	NIL
10611	TRACE
10618	NIL
10628	TRACE
10634	NIL
10648	TRACE
10649	TRACE
10666	TRACE
10672	NIL
10673	NIL
10674	0.07
10773	TRACE
10794	TRACE
10795	TRACE
10796	TRACE
10797	0.03
10798	NIL
10802	NIL
10804	TRACE
10807	NIL
10811	NIL
10849	TRACE
10851	NIL
10852	0.10
10864	TRACE
10865	NIL
10908	TRACE
10986	NIL
10987	0.06
10989	TRACE
10993	NIL
10996	0.02
10997	NIL
11096	0.08
11112	TRACE
11125	NIL
11353	TRACE
11381	0.08

AG-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AG-1AT OZ/T
10710	TRACE
10713	TRACE
10714	TRACE
10721	NIL
10725	TRACE
10733	TRACE
10929	NIL
10940	NIL
10953	NIL
10958	NIL
10970	0.08
10976	0.04
10982	NIL
10611	TRACE
10618	NIL
10628	TRACE
10634	NIL
10648	TRACE
10649	TRACE
10666	TRACE
10672	NIL
10673	NIL
10674	0.07
10773	TRACE
10794	TRACE
10795	TRACE
10796	TRACE
10797	0.03
10798	NIL
10802	NIL
10804	TRACE
10807	NIL
10811	NIL
10849	TRACE
10851	NIL
10852	0.10
10864	TRACE
10865	NIL
10908	TRACE
10986	NIL
10987	0.06
10989	TRACE
10993	NIL
10996	0.02
10997	NIL
11096	0.08
11112	TRACE
11125	NIL
11353	TRACE
11381	0.08

AG-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AG-1AT OZ/T
11387	0.02
11388	0.02
11398	TRACE
11399	0.05
11400	TRACE
11413	TRACE
11414	TRACE
11415	TRACE
11416	0.07
11417	0.16
11418	0.10
11419	0.16
11436	TRACE
11437	0.02
11438	NIL
11440	NIL
11441	0.02
11442	0.08
11443	NIL
11444	NIL
11445	0.04
11468	NIL
11481	0.18
11001	NIL
11003	TRACE
11035	TRACE
11037	NIL
11267	NIL
11272	0.02
11301	0.06
11309	NIL
11348	0.88
11704	NIL
11707	NIL
11708	0.02
11709	NIL
11710	NIL
11716	NIL
11752	TRACE
11769	TRACE
11774	NIL
11784	TRACE
12648A	0.01
12649	NIL
12650	NIL
12651	0.01
12652	NIL
12662	TRACE
12663	0.11
12664	0.09

AG-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11386	0.085
11387	0.110
11388	0.100
11389	0.033
11398	0.018
11399	0.290
11400	0.013
11416	0.093
11417	0.160
11418	0.250
11419	0.310
11437	0.110
11440	0.180
11441	0.260
11442	0.600
11443	0.079
11444	0.130
11266*	0.003
11267	0.520
11268	0.004
11306	0.053
11307	0.096
11308	0.030
11309	0.067
11347	0.020
11348	0.180
11349	0.033
11037	0.660
11038	0.004
11703	0.002
11704	0.140
11705	0.004
11706	0.007
11707	0.260
11708	0.077
11709	0.079
11710	0.200
11715	0.023
11716	0.671
11717	0.025

*U-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AG-1AT OZ/T
11387	0.02
11388	0.02
11398	TRACE
11399	0.05
11400	TRACE
11413	TRACE
11414	TRACE
11415	TRACE
11416	0.07
11417	0.16
11418	0.10
11419	0.16
11436	TRACE
11437	0.02
11438	NIL
11440	NIL
11441	0.02
11442	0.08
11443	NIL
11444	NIL
11445	0.04
11468	NIL
11481	0.18
11001	NIL
11003	TRACE
11035	TRACE
11037	NIL
11267	NIL
11272	0.02
11301	0.06
11309	NIL
11348	0.88
11704	NIL
11707	NIL
11708	0.02
11709	NIL
11710	NIL
11716	NIL
11752	TRACE
11769	TRACE
11774	NIL
11784	TRACE
12648A	0.01
12649	NIL
12650	NIL
12651	0.01
12652	NIL
12662	TRACE
12663	0.11
12664	0.09

AG-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AG-1AT OZ/T
11387	0.02
11388	0.02
11398	TRACE
11399	0.05
11400	TRACE
11413	TRACE
11414	TRACE
11415	TRACE
11416	0.07
11417	0.16
11418	0.10
11419	0.16
11436	TRACE
11437	0.02
11438	NIL
11440	NIL
11441	0.02
11442	0.08
11443	NIL
11444	NIL
11445	0.04
11468	NIL
11481	0.18
11001	NIL
11003	TRACE
11035	TRACE
11037	NIL
11267	NIL
11272	0.02
11301	0.06
11309	NIL
11348	0.88
11704	NIL
11707	NIL
11708	0.02
11709	NIL
11710	NIL
11716	NIL
11752	TRACE
11769	TRACE
11774	NIL
11784	TRACE
12648A	0.01
12649	NIL
12650	NIL
12651	0.01
12652	NIL
12662	TRACE
12663	0.11
12664	0.09

..G-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11386	0.085
11387	0.110
11388	0.100
11389	0.033
11398	0.018
11399	0.290
11400	0.013
11416	0.093
11417	0.160
11418	0.250
11419	0.310
11437	0.110
11440	0.180
11441	0.260
11442	0.600
11443	0.079
11444	0.130
11266	0.003
11267	0.520
11268	0.004
11306	0.053
11307	0.096
11308	0.030
11309	0.067
11347	0.020
11348	0.180
11349	0.033
11037	0.660
11038	0.004
11703	0.002
11704	0.140
11705	0.004
11706	0.007
11707	0.260
11708	0.077
11709	0.079
11710	0.200
11715	0.023
11716	0.671
11717	0.025

A'' 1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AG-1AT OZ/T
11387	0.02
11388	0.02
11398	TRACE
11399	0.05
11400	TRACE
11413	TRACE
11414	TRACE
11415	TRACE
11416	0.07
11417	0.16
11418	0.10
11419	0.16
11436	TRACE
11437	0.02
11438	NIL
11440	NIL
11441	0.02
11442	0.08
11443	NIL
11444	NIL
11445	0.04
11468	NIL
11481	0.18
11001	NIL
11003	TRACE
11035	TRACE
11037	NIL
11267	NIL
11272	0.02
11301	0.06
11309	NIL
11348	0.88
11704	NIL
11707	NIL
11708	0.02
11709	NIL
11710	NIL
11716	NIL
11752	TRACE
11769	TRACE
11774	NIL
11784	TRACE
12648A	0.01
12649	NIL
12650	NIL
12651	0.01
12652	NIL
12662	TRACE
12663	0.11
12664	0.09

AG-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AG-1AT OZ/T
11387	0.02
11388	0.02
11398	TRACE
11399	0.05
11400	TRACE
11413	TRACE
11414	TRACE
11415	TRACE
11416	0.07
11417	0.16
11418	0.10
11419	0.16
11436	TRACE
11437	0.02
11438	NIL
11440	NIL
11441	0.02
11442	0.08
11443	NIL
11444	NIL
11445	0.04
11468	NIL
11481	0.18
11001	NIL
11003	TRACE
11035	TRACE
11037	NIL
11267	NIL
11272	0.02
11301	0.06
11309	NIL
11348	0.88
11704	NIL
11707	NIL
11708	0.02
11709	NIL
11710	NIL
11716	NIL
11752	TRACE
11769	TRACE
11774	NIL
11784	TRACE
12648A	0.01
12649	NIL
12650	NIL
12651	0.01
12652	NIL
12662	TRACE
12663	0.11
12664	0.09

..3-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11386	0.085
11387	0.110
11388	0.100
11389	0.033
11398	0.018
11399	0.290
11400	0.013
11416	0.093
11417	0.160
11418	0.250
11419	0.310
11437	0.110
11440	0.180
11441	0.260
11442	0.600
11443	0.079
11444	0.130
11266	0.003
11267	0.520
11268	0.004
11306	0.053
11307	0.096
11308	0.030
11309	0.067
11347	0.020
11348	0.180
11349	0.033
11037	0.660
11038	0.004
11703	0.002
11704	0.140
11705	0.004
11706	0.007
11707	0.260
11708	0.077
11709	0.079
11710	0.200
11715	0.023
11716	0.671
11717	0.025

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AG-1AT OZ/T
10710	TRACE
10713	TRACE
10714	TRACE
10721	NIL
10725	TRACE
10733	TRACE
10929	NIL
10940	NIL
10953	NIL
10958	NIL
10970	0.08
10976	0.04
10982	NIL
10611	TRACE
10618	NIL
10628	TRACE
10634	NIL
10648	TRACE
10649	TRACE
10666	TRACE
10672	NIL
10673	NIL
10674	0.07
10773	TRACE
10794	TRACE
10795	TRACE
10796	TRACE
10797	0.03
10798	NIL
10802	NIL
10804	TRACE
10807	NIL
10811	NIL
10849	TRACE
10851	NIL
10852	0.10
10864	TRACE
10865	NIL
10908	TRACE
10986	NIL
10987	0.06
10989	TRACE
10993	NIL
10996	0.02
10997	NIL
11096	0.08
11112	TRACE
11125	NIL
~~11353~~	TRACE
11381	0.08

G-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AG-1AT OZ/T
10710	TRACE
10713	TRACE
10714	TRACE
10721	NIL
10725	TRACE
10733	TRACE
10929	NIL
10940	NIL
10953	NIL
10958	NIL
10970	0.08
10976	0.04
10982	NIL
10611	TRACE
10618	NIL
10628	TRACE
10634	NIL
10648	TRACE
10649	TRACE
10666	TRACE
10672	NIL
10673	NIL
10674	0.07
10773	TRACE
10794	TRACE
10795	TRACE
10796	TRACE
10797	0.03
10798	NIL
10802	NIL
10804	TRACE
10807	NIL
10811	NIL
10849	TRACE
10851	NIL
10852	0.10
10864	TRACE
10865	NIL
10908	TRACE
10986	NIL
10987	0.06
10989	TRACE
10993	NIL
10996	0.02
10997	NIL
11096	0.08
11112	TRACE
11125	NIL
11353	TRACE
11381*	0.08

AG-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AG-1AT OZ/T
11387	0.02
11388	0.02
11398	TRACE
11399	0.05
11400	TRACE
11413	TRACE
11414	TRACE
11415	TRACE
11416	0.07
11417	0.16
11418	0.10
11419	0.16
11436	TRACE
11437	0.02
11438	NIL
11440	NIL
11441	0.02
11442	0.08
11443	NIL
11444	NIL
11445	0.04
11468	NIL
11481	0.18
11001	NIL
11003	TRACE
11035	TRACE
11037	NIL
11267	NIL
11272	0.02
11301	0.06
11309	NIL
11348	0.88
11704	NIL
11707	NIL
11708	0.02
11709	NIL
11710	NIL
11716	NIL
11752	TRACE
11769	TRACE
11774	NIL
11784	TRACE
12648A	0.01
12649	NIL
12650	NIL
12651	0.01
12652	NIL
12662	TRACE
12663	0.11
12664	0.09

AG-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AG-1AT OZ/T
11387	0.02
11388	0.02
11398	TRACE
11399	0.05
11400	TRACE
11413	TRACE
11414	TRACE
11415	TRACE
11416	0.07
11417	0.16
11418	0.10
11419	0.16
11436	TRACE
11437	0.02
11438	NIL
11440	NIL
11441	0.02
11442	0.08
11443	NIL
11444	NIL
11445	0.04
11468	NIL
11481	0.18
11001	NIL
11003	TRACE
11035	TRACE
11037	NIL
11267	NIL
11272	0.02
11301	0.06
11309	NIL
11348	0.88
11704	NIL
11707	NIL
11708	0.02
11709	NIL
11710	NIL
11716	NIL
11752	TRACE
11769	TRACE
11774	NIL
11784	TRACE
12648A	0.01
12649	NIL
12650	NIL
12651	0.01
12652	NIL
12662	TRACE
12663	0.11
12664	0.09

AG-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11386	0.085
11387	0.110
11388	0.100
11389	0.033
11398	0.018
11399	0.290
11400	0.013
11416	0.093
11417	0.160
11418	0.250
11419	0.310
11437	0.110
11440	0.180
11441	0.260
11442	0.600
11443	0.079
11444	0.130
11266	0.003
11267	0.520
11268	0.004
11306	0.053
11307	0.096
11308	0.030
11309	0.067
11347	0.020
11348	0.180
11349	0.033
11037	0.660
11038	0.004
11703	0.002
11704	0.140
11705	0.004
11706	0.007
11707	0.260
11708	0.077
11709	0.079
11710	0.200
11715	0.023
11716	0.671
11717	0.025

A-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AG-1AT OZ/T
11387	0.02
11388	0.02
11398	TRACE
11399	0.05
11400	TRACE
11413	TRACE
11414	TRACE
11415	TRACE
11416	0.07
11417	0.16
11418	0.10
11419	0.16
11436	TRACE
11437	0.02
11438	NIL
11440	NIL
11441	0.02
11442	0.08
11443	NIL
11444	NIL
11445	0.04
11468	NIL
11481	0.18
11001	NIL
11003	TRACE
11035	TRACE
11037	NIL
11267	NIL
11272	0.02
11301	0.06
11309	NIL
11348	0.88
11704	NIL
11707	NIL
11708	0.02
11709	NIL
11710	NIL
11716	NIL
11752	TRACE
11769	TRACE
11774	NIL
11784	TRACE
12648A	0.01
12649	NIL
12650	NIL
12651	0.01
12652	NIL
12662	TRACE
12663	0.11
12664	0.09

AG-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AG-1AT OZ/T
11387	0.02
11388	0.02
11398	TRACE
11399	0.05
11400	TRACE
11413	TRACE
11414	TRACE
11415	TRACE
11416	0.07
11417	0.16
11418	0.10
11419	0.16
11436	TRACE
11437	0.02
11438	NIL
11440	NIL
11441	0.02
11442	0.08
11443	NIL
11444	NIL
11445	0.04
11468	NIL
11481	0.18
11001	NIL
11003	TRACE
11035	TRACE
11037	NIL
11267	NIL
11272	0.02
11301	0.06
11309	NIL
11348	0.88
11704	NIL
11707	NIL
11708	0.02
11709	NIL
11710	NIL
11716	NIL
11752	TRACE
11769	TRACE
11774	NIL
11784	TRACE
12648A	0.01
12649	NIL
12650	NIL
12651	0.01
12652	NIL
12662	TRACE
12663	0.11
12664	0.09

AG-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11386	0.085
11387	0.110
11388	0.100
11389	0.033
11398	0.018
11399	0.290
11400	0.013
11416	0.093
11417	0.160
11418	0.250
11419	0.310
11437	0.110
11440	0.180
11441	0.260
11442	0.600
11443	0.079
11444	0.130
11266	0.003
11267	0.520
11268	0.004
11306	0.053
11307	0.096
11308	0.030
11309	0.067
11347	0.020
11348	0.180
11349	0.033
11037	0.660
11038	0.004
11703	0.002
11704	0.140
11705	0.004
11706	0.007
11707	0.260
11708	0.077
11709	0.079
11710	0.200
11715	0.023
11716	0.671
11717	0.025

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11386	0.085
11387	0.110
11388	0.100
11389	0.033
11398	0.018
11399	0.290
11400	0.013
11416	0.093
11417	0.160
11418	0.250
11419	0.310
11437	0.110
11440	0.180
11441	0.260
11442	0.600
11443	0.079
11444	0.130
11266	0.003
11267	0.520
11268	0.004
11306	0.053
11307	0.096
11308	0.030
11309	0.067
11347	0.020
11348	0.180
11349	0.033
11037	0.660
11038	0.004
11703	0.002
11704	0.140
11705	0.004
11706	0.007
11707	0.260
11708	0.077
11709	0.079
11710	0.200
11715	0.023
11716	0.671
11717	0.025

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11386	0.085
11387	0.110
11388	0.100
11389	0.033
11398	0.018
11399	0.290
11400	0.013
11416	0.093
11417	0.160
11418	0.250
11419	0.310
11437	0.110
11440	0.180
11441	0.260
11442	0.600
11443	0.079
11444	0.130
11266	0.003
11267	0.520
11268	0.004
11306	0.053
11307	0.096
11308	0.030
11309	0.067
11347	0.020
11348	0.180
11349	0.033
11037	0.660
11038	0.004
11703	0.002
11704	0.140
11705	0.004
11706	0.007
11707	0.260
11708	0.077
11709	0.079
11710	0.200
11715	0.023
11716	0.671
11717	0.025

1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AG-1AT OZ/T
11387	0.02
11388	0.02
11398	TRACE
11399	0.05
11400	TRACE
11413	TRACE
11414	TRACE
11415	TRACE
11416	0.07
11417	0.16
11418	0.10
11419	0.16
11436	TRACE
11437	0.02
11438	NIL
11440	NIL
11441	0.02
11442	0.08
11443	NIL
11444	NIL
11445	0.04
11468	NIL
11481	0.18
11001	NIL
11003	TRACE
11035	TRACE
11037	NIL
11267	NIL
11272	0.02
11301	0.06
11309	NIL
11348	0.88
11704	NIL
11707	NIL
11708	0.02
11709	NIL
11710	NIL
11716	NIL
11752	TRACE
11769	TRACE
11774	NIL
11784	TRACE
12648A	0.01
12649	NIL
12650	NIL
12651	0.01
12652	NIL
12662	TRACE
12663	0.11
12664	0.09

AG-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AG-1AT OZ/T
11387	0.02
11388	0.02
11398	TRACE
11399	0.05
11400	TRACE
11413	TRACE
11414	TRACE
11415	TRACE
11416	0.07
11417	0.16
11418	0.10
11419	0.16
11436	TRACE
11437	0.02
11438	NIL
11440	NIL
11441	0.02
11442	0.08
11443	NIL
11444	NIL
11445	0.04
11468*	NIL
11481	0.18
11001	NIL
11003	TRACE
11035	TRACE
11037	NIL
11267	NIL
11272	0.02
11301	0.06
11309	NIL
11348	0.88
11704	NIL
11707	NIL
11708	0.02
11709	NIL
11710	NIL
11716	NIL
11752	TRACE
11769	TRACE
11774	NIL
11784	TRACE
12648A	0.01
12649	NIL
12650	NIL
12651	0.01
12652	NIL
12662	TRACE
12663	0.11
12664	0.09

AG-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AG-1AT OZ/T
11387	0.02
11388	0.02
11398	TRACE
11399	0.05
11400	TRACE
11413	TRACE
11414	TRACE
11415	TRACE
11416	0.07
11417	0.16
11418	0.10
11419	0.16
11436	TRACE
11437	0.02
11438	NIL
11440	NIL
11441	0.02
11442	0.08
11443	NIL
11444	NIL
11445	0.04
11468	NIL
11481	0.18
11001	NIL
11003	TRACE
11035	TRACE
11037	NIL
11267	NIL
11272	0.02
11301	0.06
11309	NIL
11348	0.88
11704	NIL
11707	NIL
11708	0.02
11709	NIL
11710	NIL
11716	NIL
11752	TRACE
11769	TRACE
11774	NIL
11784	TRACE
12648A	0.01
12649	NIL
12650	NIL
12651	0.01
12652	NIL
12662	TRACE
12663	0.11
12664	0.09

AG-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AG-1AT OZ/T
11387	0.02
11388	0.02
11398	TRACE
11399	0.05
11400	TRACE
11413	TRACE
11414	TRACE
11415	TRACE
11416	0.07
11417	0.16
11418	0.10
11419	0.16
11436	TRACE
11437	0.02
11438	NIL
11440	NIL
11441	0.02
11442	0.08
11443	NIL
11444	NIL
11445	0.04
11468	NIL
11481	0.18
11001	NIL
11003	TRACE
11035	TRACE
11037	NIL
11267	NIL
11272	0.02
11301	0.06
11309	NIL
11348	0.88
11704	NIL
11707	NIL
11708	0.02
11709	NIL
11710	NIL
11716	NIL
11752	TRACE
11769	TRACE
11774	NIL
11784	TRACE
12648A	0.01
12649	NIL
12650	NIL
12651	0.01
12652	NIL
12662	TRACE
12663	0.11
12664	0.09

AG-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11386	0.085
11387	0.110
11388	0.100
11389	0.033
11398	0.018
11399	0.290
11400	0.013
11416	0.093
11417	0.160
11418	0.250
11419	0.310
11437	0.110
11440	0.180
11441	0.260
11442	0.600
11443	0.079
11444	0.130
11266	0.003
11267	0.520
11268	0.004
11306	0.053
11307	0.096
11308	0.030
11309	0.067
11347	0.020
11348	0.180
11349	0.033
11037	0.660
11038	0.004
11703	0.002
11704	0.140
11705	0.004
11706	0.007
11707	0.260
11708	0.077
11709	0.079
11710	0.200
11715	0.023
11716	0.671
11717	0.025

1-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AG-1AT OZ/T
11387	0.02
11388	0.02
11398	TRACE
11399	0.05
11400	TRACE
11413	TRACE
11414	TRACE
11415	TRACE
11416	0.07
11417	0.16
11418	0.10
11419	0.16
11436	TRACE
11437	0.02
11438	NIL
11440	NIL
11441	0.02
11442	0.08
11443	NIL
11444	NIL
11445	0.04
11468	NIL
11481	0.18
11001	NIL
11003	TRACE
11035	TRACE
11037	NIL
11267	NIL
11272	0.02
11301	0.06
11309	NIL
11348	0.88
11704	NIL
11707	NIL
11708	0.02
11709	NIL
11710	NIL
11716	NIL
11752	TRACE
11769	TRACE
11774	NIL
11784	TRACE
12648A	0.01
12649	NIL
12650	NIL
12651	0.01
12652	NIL
12662	TRACE
12663	0.11
12664	0.09

AG-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AG-1AT OZ/T
11387	0.02
11388	0.02
11398	TRACE
11399	0.05
11400	TRACE
11413	TRACE
11414	TRACE
11415	TRACE
11416	0.07
11417	0.16
11418	0.10
11419	0.16
11436	TRACE
11437	0.02
11438	NIL
11440	NIL
11441	0.02
11442	0.08
11443	NIL
11444	NIL
11445	0.04
11468	NIL
11481	0.18
11001	NIL
11003	TRACE
11035	TRACE
11037	NIL
11267	NIL
11272	0.02
11301	0.06
11309	NIL
11348	0.88
11704	NIL
11707	NIL
11708	0.02
11709	NIL
11710	NIL
11716	NIL
11752	TRACE
11769	TRACE
11774	NIL
11784	TRACE
12648A	0.01
12649	NIL
12650	NIL
12651	0.01
12652	NIL
12662	TRACE
12663	0.11
12664	0.09

AG-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
11386	0.085
11387	0.110
11388	0.100
11389	0.033
11398	0.018
11399	0.290
11400	0.013
11416	0.093
11417	0.160
11418	0.250
11419	0.310
11437	0.110
11440	0.180
11441	0.260
11442	0.600
11443	0.079
11444	0.130
11266	0.003
11267	0.520
11268	0.004
11306	0.053
11307	0.096
11308	0.030
11309	0.067
11347	0.020
11348	0.180
11349	0.033
11037	0.660
11038	0.004
11703	0.002
11704	0.140
11705	0.004
11706	0.007
11707	0.260
11708	0.077
11709	0.079
11710	0.200
11715	0.023
11716	0.671
11717	0.025

A-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AG-1AT OZ/T
11387	0.02
11388	0.02
11398	TRACE
11399	0.05
11400	TRACE
11413	TRACE
11414	TRACE
11415	TRACE
11416	0.07
11417	0.16
11418	0.10
11419	0.16
11436	TRACE
11437	0.02
11438	NIL
11440	NIL
11441	0.02
11442	0.08
11443	NIL
11444	NIL
11445	0.04
11468	NIL
11481	0.18
11001	NIL
11003	TRACE
11035	TRACE
11037	NIL
11267	NIL
11272	0.02
11301	0.06
11309	NIL
11348	0.88
11704	NIL
11707	NIL
11708	0.02
11709	NIL
11710	NIL
11716	NIL
11752*	TRACE
11769	TRACE
11774	NIL
11784	TRACE
12648A	0.01
12649	NIL
12650	NIL
12651	0.01
12652	NIL
12662	TRACE
12663	0.11
12664	0.09

AG-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AG-1AT OZ/T
11387	0.02
11388	0.02
11398	TRACE
11399	0.05
11400	TRACE
11413	TRACE
11414	TRACE
11415	TRACE
11416	0.07
11417	0.16
11418	0.10
11419	0.16
11436	TRACE
11437	0.02
11438	NIL
11440	NIL
11441	0.02
11442	0.08
11443	NIL
11444	NIL
11445	0.04
11468	NIL
11481	0.18
11001	NIL
11003	TRACE
11035	TRACE
11037	NIL
11267	NIL
11272	0.02
11301	0.06
11309	NIL
11348	0.88
11704	NIL
11707	NIL
11708	0.02
11709	NIL
11710	NIL
11716	NIL
11752	TRACE
11769	TRACE
11774	NIL
11784	TRACE
12648A	0.01
12649	NIL
12650	NIL
12651	0.01
12652	NIL
12662	TRACE
12663	0.11
12664	0.09

..G-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AG-1AT OZ/T
11387	0.02
11388	0.02
11398	TRACE
11399	0.05
11400	TRACE
11413	TRACE
11414	TRACE
11415	TRACE
11416	0.07
11417	0.16
11418	0.10
11419	0.16
11436	TRACE
11437	0.02
11438	NIL
11440	NIL
11441	0.02
11442	0.08
11443	NIL
11444	NIL
11445	0.04
11468	NIL
11481	0.18
11001	NIL
11003	TRACE
11035	TRACE
11037	NIL
11267	NIL
11272	0.02
11301	0.06
11309	NIL
11348	0.88
11704	NIL
11707	NIL
11708	0.02
11709	NIL
11710	NIL
11716	NIL
11752	TRACE
11769	TRACE
11774 **	NIL
11784	TRACE
12648A	0.01
12649	NIL
12650	NIL
12651	0.01
12652	NIL
12662	TRACE
12663	0.11
12664	0.09

AG-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AG-1AT OZ/T
11387	0.02
11388	0.02
11398	TRACE
11399	0.05
11400	TRACE
11413	TRACE
11414	TRACE
11415	TRACE
11416	0.07
11417	0.16
11418	0.10
11419	0.16
11436	TRACE
11437	0.02
11438	NIL
11440	NIL
11441	0.02
11442	0.08
11443	NIL
11444	NIL
11445	0.04
11468	NIL
11481	0.18
11001	NIL
11003	TRACE
11035	TRACE
11037	NIL
11267	NIL
11272	0.02
11301	0.06
11309	NIL
11348	0.88
11704	NIL
11707	NIL
11708	0.02
11709	NIL
11710	NIL
11716	NIL
11752	TRACE
11769	TRACE
11774	NIL
11784 *	TRACE
12648A	0.01
12649	NIL
12650	NIL
12651	0.01
12652	NIL
12662	TRACE
12663	0.11
12664	0.09

AG-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AG-1AT OZ/T
11387	0.02
11388	0.02
11398	TRACE
11399	0.05
11400	TRACE
11413	TRACE
11414	TRACE
11415	TRACE
11416	0.07
11417	0.16
11418	0.10
11419	0.16
11436	TRACE
11437	0.02
11438	NIL
11440	NIL
11441	0.02
11442	0.08
11443	NIL
11444	NIL
11445	0.04
11468	NIL
11481	0.18
11001	NIL
11003	TRACE
11035	TRACE
11037	NIL
11267	NIL
11272	0.02
11301	0.06
11309	NIL
11348	0.88
11704	NIL
11707	NIL
11708	0.02
11709	NIL
11710	NIL
11716	NIL
11752	TRACE
11769	TRACE
11774	NIL
11784	TRACE
12648A	0.01
12649	NIL
12650	NIL
12651	0.01
12652	NIL
12662	TRACE
12663	0.11
12664	0.09

AG-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AG-1AT OZ/T
11387	0.02
11388	0.02
11398	TRACE
11399	0.05
11400	TRACE
11413	TRACE
11414	TRACE
11415	TRACE
11416	0.07
11417	0.16
11418	0.10
11419	0.16
11436	TRACE
11437	0.02
11438	NIL
11440	NIL
11441	0.02
11442	0.08
11443	NIL
11444	NIL
11445	0.04
11468	NIL
11481	0.18
11001	NIL
11003	TRACE
11035	TRACE
11037	NIL
11267	NIL
11272	0.02
11301	0.06
11309	NIL
11348	0.88
11704	NIL
11707	NIL
11708	0.02
11709	NIL
11710	NIL
11716	NIL
11752	TRACE
11769	TRACE
11774	NIL
11784	TRACE
12648A	0.01
12649	NIL
12650	NIL
12651	0.01
12652	NIL
12662	TRACE
12663	0.11
12664	0.09

AG-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AG-1AT OZ/T
12665	NIL

AG-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

SAMPLE	AU-1AT OZ/T
14411	0.002
14412	0.001
14413	NIL
14414	0.005
14415	0.003
14416	0.006
14417	0.001
14418	TRACE
14419	TRACE
14420	0.003
14421	0.001
14422	0.002
14423	0.002
14424	0.006
14425	0.011
14426	0.002
14427	TRACE
14428	0.001
14429	0.002
14430	0.002
14431	0.031
14432	0.002
14433	0.004
14434	0.001
14435	0.003
14436	NIL
14437	NIL
14438	0.001
14439	0.001
14440	0.001
14441	0.001
14442	TRACE
14443	TRACE
14444	0.001
14445	0.001
14446	TRACE
14447	NIL
14448	NIL
14449	NIL
14450	0.001
14451	TRACE
14452	NIL
14453	0.001
14454	NIL
14455	NIL
14456	TRACE
14457	0.001
14458	NIL
14459	0.001
14460	0.005

AU-1AT OZ/T- ASSAY PERFORMED ON 30 GRAM ALIQUOT

APPENDIX C

LIGHT LOG SURVEY DATA

LIGHT—LOG BORE—HOLE CO—ORD. PROGRAM

MINEROC MANAGEMENT LTD
PROJECT:

TECHDEL INTERNATIONAL INC.
31 RIPLEY AVE. TORONTO
DATE:12 FEV. 1990
OPERATOR:jgc DL

D.D.H.: FX—90—81

DOWN HOLE DEPTH Ft.	HEADING AZIMUTH DEGREES	HEADING INCLIN' DEGREES	LOCATION NORTHING FEET	LOCATION EASTING FEET	LOCATION ELEVATION FEET
	0.00	-70.50	0.000	0.000	0.000
10	359.80	-70.20	3.387	-0.012	-9.409
20	0.20	-69.70	6.857	0.000	-18.788
30	0.70	-69.50	10.359	0.043	-28.154
40	0.80	-69.80	13.811	0.091	-37.539
50	0.90	-69.70	17.280	0.146	-46.918
60	1.00	-69.60	20.765	0.207	-56.291
70	1.00	-69.50	24.267	0.268	-65.658
80	1.10	-69.40	27.785	0.335	-75.018
90	1.20	-69.30	31.319	0.409	-84.373
100	1.20	-69.40	34.836	0.483	-93.733
110	1.30	-69.30	38.370	0.563	-103.088
120	1.40	-69.30	41.904	0.650	-112.442
130	1.50	-69.20	45.454	0.742	-121.791
140	1.60	-69.40	48.971	0.841	-131.151
150	1.70	-69.50	52.471	0.945	-140.518
160	1.80	-69.50	55.972	1.055	-149.885
170	1.90	-69.60	59.455	1.170	-159.257
180	2.00	-69.60	62.939	1.292	-168.630
190	2.00	-69.70	66.406	1.413	-178.009
200	2.10	-69.70	69.87[illegible]	1.540	-187.388
210	2.10	-69.80	73.324	1.667	-196.773
220	2.20	-69.90	76.758	1.799	-206.164
230	2.20	-70.00	80.176	1.930	-215.561
240	2.30	-69.90	83.609	2.068	-224.952
250	2.30	-69.90	87.043	2.206	-234.343
260	2.30	-69.80	90.493	2.344	-243.728
270	2.40	-69.60	93.976	2.490	-253.100
280	2.40	-69.50	97.475	2.637	-262.467
290	2.50	-69.40	100.990	2.790	-271.828
300	2.50	-69.30	104.522	2.944	-281.182
310	2.60	-69.20	108.069	3.106	-290.530
320	2.70	-69.10	111.632	3.274	-299.872
330	2.80	-68.90	115.228	3.449	-309.202
340	2.90	-68.70	118.856	3.633	-318.519
350	2.90	-68.60	122.500	3.818	-327.829
360	3.00	-68.50	126.160	4.010	-337.134
370	3.10	-68.20	129.868	4.211	-346.419
380	3.20	-68.00	133.609	4.420	-355.690
390	3.30	-67.80	137.381	4.637	-364.949
400	3.40	-67.60	141.185	4.863	-374.195
410	3.40	-67.50	145.005	5.090	-383.433
420	3.50	-67.40	148.841	5.325	-392.665
430	3.50	-67.30	152.692	5.560	-401.891
440	3.60	-67.10	156.576	5.805	-411.103
450	3.60	-67.00	160.476	6.050	-420.308
460	3.70	-67.00	164.375	6.302	-429.513
470	3.70	-66.90	168.290	6.555	-438.711
480	3.80	-66.80	172.221	6.816	-447.902

490	3.80	-66.70	176.167	7.078	-457.087
500	3.90	-66.50	180.146	7.350	-466.257
510	4.00	-66.40	184.139	7.629	-475.421
520	4.10	-66.30	188.149	7.916	-484.578
530	4.20	-66.20	192.173	8.212	-493.727
540	4.30	-66.10	196.213	8.516	-502.870
550	4.20	-66.20	200.238	8.811	-512.019
560	4.20	-66.20	204.263	9.107	-521.169
570	4.20	-66.30	208.271	9.401	-530.326
580	4.20	-66.50	212.248	9.693	-[illegible].496
590	4.50	-66.70	216.191	10.004	-548.681
600	4.80	-66.70	220.133	10.335	-557.865
610	5.00	-66.70	224.073	10.679	-567.050
620	5.20	-66.60	228.028	11.039	-576.227
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
640	5.10	-66.10	236.051	11.755	-594.533
650	5.20	-65.90	240.118	12.125	-603.662
660	5.30	-65.70	244.215	12.505	-612.776
670	5.40	-65.60	248.328	12.894	-621.882
680	5.50	-65.50	252.456	13.292	-630.982
690	5.50	-65.50	256.584	13.689	-640.082
700	5.40	-65.40	260.728	14.081	-649.174
710	5.20	-65.40	264.874	14.458	-658.266
720	5.10	-65.40	269.020	14.828	-667.359
730	5.00	-65.40	273.167	15.191	-676.451
740	5.00	-65.40	277.314	15.554	-685.544
750	5.00	-65.50	281.445	15.915	-694.643
760	4.90	-65.50	285.577	16.270	-703.743
770	4.90	-65.40	289.725	16.625	-712.835
780	4.90	-65.30	293.888	16.982	-721.920
790	4.90	-65.30	298.051	17.339	-731.005
800	4.90	-65.30	302.215	17.696	-740.090
810	4.80	-65.30	306.379	18.046	-749.175
820	4.80	-65.20	310.559	18.397	-758.253
830	4.80	-65.10	314.754	18.749	-767.324
840	4.70	-65.00	318.966	19.095	-776.387
850	4.70	-65.00	323.178	19.441	-785.450
860	4.70	-65.00	327.390	19.788	-794.513
870	4.70	-65.10	331.586	20.133	-803.583
880	4.70	-65.10	335.783	20.478	-812.654
890	4.70	-65.10	339.979	20.823	-821.724
900	4.70	-65.10	344.175	[illegible]	-830.795
910	4.70	-65.20	348.356	21.511	-839.872
920	4.70	-65.10	352.552	21.856	-848.943
930	4.70	-65.00	356.764	22.203	-858.006
940	4.60	-64.90	360.992	22.543	-867.062
950	4.70	-64.80	365.235	22.892	-876.110
960	4.70	-64.80	369.479	23.241	-885.158
970	4.70	-64.80	373.722	23.589	-894.206
980	4.70	-64.90	377.950	23.937	-903.262
990	4.60	-64.90	382.178	24.277	-912.318
1000	4.60	-64.90	386.407	24.617	-921.373
1010	4.50	-64.90	390.636	24.950	-930.429
1020	4.50	-64.90	394.865	25.283	-939.485
1030	4.50	-64.90	399.094	25.616	-948.541
1040	4.50	-64.80	403.338	25.950	-957.589
1050	4.60	-64.60	407.614	26.294	-966.622
1060	4.60	-64.50	411.905	26.639	-975.648
1070	4.60	-64.50	416.196	26.985	-984.674
1080	4.60	-64.50	420.487	27.330	-993.700

1090	4.60	-64.50	424.779	27.675	-1002.726
1100	4.60	-64.40	429.086	28.022	-1011.744
1110	4.50	-64.30	433.409	28.362	-1020.755
1120	4.50	-64.20	437.748	28.703	-1029.758
1130	4.50	-64.10	442.102	29.046	-1038.753
1140	4.50	-64.10	446.457	29.389	-1047.749
1150	4.40	-64.10	450.812	29.724	-1056.745
1160	4.40	-64.00	455.183	30.060	-1065.733
1170	4.50	-63.90	459.569	30.405	-1074.713
1180	4.50	-63.90	463.954	30.750	-1083.693
1190	4.60	-63.80	468.355	31.105	-1092.666
1200	4.70	-63.70	472.771	31.468	-1101.631
1210	4.80	-63.60	477.202	31.840	-1110.588
1220	4.80	-63.50	481.648	32.213	-1119.537
1230	4.80	-63.30	486.126	32.589	-1128.471
1240	4.70	-63.30	490.604	32.957	-1137.404
1250	4.70	-63.30	495.082	33.325	-1146.338
1260	4.80	-63.20	499.575	33.703	-1155.264
1270	4.90	-63.10	504.083	34.089	-1164.182
1280	4.90	-62.90	508.621	34.478	-1173.084
1290	4.80	-62.70	513.192	34.862	-1181.970
1300	4.70	-62.40	517.809	35.242	-1190.832
1310	4.70	-62.10	522.473	35.625	-1199.670
1320	4.60	-62.00	527.152	36.002	-1208.499
1330	4.70	-62.00	531.831	36.386	-1217.329
1340	4.80	-61.90	536.525	36.780	-1226.150
1350	4.70	-61.80	541.235	37.168	-1234.963
1360	4.60	-61.50	545.991	37.550	-1243.751
1370	4.60	-61.40	550.762	37.934	-1252.531
1380	4.70	-61.30	555.548	38.328	-1261.303
1390	4.70	-61.20	560.350	38.722	-1270.066
1400	4.80	-61.30	565.135	39.124	-1278.837
1410	4.90	-61.20	569.935	39.536	-1287.600
1420	5.10	-61.10	574.749	39.965	-1296.355
1430	5.20	-61.00	579.577	40.405	-1305.101
1440	5.10	-60.80	584.436	40.838	-1313.839
1450	4.90	-60.50	589.342	41.259	-1322.534
1460	4.60	-60.00	594.326	41.660	-1331.1[illegible]
1470	4.30	-59.60	599.372	42.039	-1339.81[illegible]
1480	4.40	-59.40	604.448	42.430	-1348.42[illegible]
1490	4.70	-59.20	609.551	42.850	-1357.016
1500	4.90	-58.90	614.697	43.291	-1365.579
1510	5.00	-58.60	619.888	43.745	-1374.114
1520	5.00	-58.40	625.108	44.201	-1382.632
1530	5.00	-58.20	630.357	44.661	-1391.131
1540	4.90	-58.00	635.637	45.113	-1399.611
1550	4.70	-57.90	640.933	45.549	-1408.082
1560	4.70	-57.90	646.229	45.984	-1416.554
1570	4.70	-58.10	651.496	46.417	-1425.043
1580	4.70	-58.20	656.748	46.849	-1433.542
1590	4.70	-58.20	661.999	47.281	-1442.041
1600	4.70	-58.30	667.237	47.711	-1450.549
1610	4.80	-58.20	672.488	48.152	-1459.048
1620	4.80	-58.20	677.739	48.593	-1467.547
1630	4.80	-58.10	683.005	49.035	-1476.037
1640	4.70	-57.70	688.330	49.473	-1484.489
1650	4.30	-57.30	693.717	49.878	-1492.905
1660	4.00	-57.00	699.150	50.258	-1501.291
1670	3.60	-56.60	704.644	50.604	-1509.640
1680	3.30	-56.60	710.139	50.940	-1517.988

1690	3.60	-56.70	715.618	51.289	-1576.746
1700	3.80	-56.80	721.082	51.648	-1584.714
1710	4.00	-56.70	726.559	52.031	-1543.072
1720	4.10	-56.50	732.064	52.425	-1551.411
1730	4.00	-56.30	737.599	52.812	-1559.730
1740	3.70	-56.10	743.165	53.172	-1568.030
1750	3.40	-55.90	748.761	53.505	-1576.311
1760	3.20	-55.80	754.373	53.818	-1584.582
1770	3.10	-55.80	759.986	54.122	-1592.853
1780	3.10	-55.80	765.599	54.426	-1601.124
1790	3.20	-55.90	771.196	54.739	-1609.404
1800	3.50	-56.00	776.778	55.081	-1617.694
1810	3.80	-56.00	782.357	55.451	-1625.985
1820	3.90	-55.90	787.951	55.833	-1634.265
1830	4.00	-55.70	793.572	56.226	-1642.526
1840	3.90	-55.50	799.223	56.611	-1650.768
1850	3.90	-55.30	804.903	56.998	-1658.989
1860	3.90	-55.10	810.611	57.387	-1667.191