GM 37983

REPORT SUR LA PROPRIETE SISCOE

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Énergie et Ressources naturelles
Québec

rca R. Cormier & Associés Ltée 2050 Thibault, Bécancour, Qué., Canada, GOX 1B0
Associates Ltd. Tél. - Phone (819) 294-9939

RAPPORT

SUR LA PROPRIETE SISCOE

CANTON DUBUISSON

pour

M. E. Rosenbaum

Ministère de l'Énergie et des Ressources
Gouvernement du Québec
Documentation Technique
DATE: 21 JAN. 1982
No. G.M.: 37983

rca R. Cormier & Associés Ltée Associates Ltd. 2050 Thibault, Bécancour, Qué., Canada, GOX 1B0
Tél. - Phone (819) 294-9939

Introduction

Un relevé de forage mort terrain en échantillonnant le till de base fut exécuté en novembre 1981.

Localisation

La propriété est située dans le Canton Dubuisson et comprend les lots 48, 49, 50. La route Val d'Or-Amos traverse la propriété. La ville de Val d'Or se situe environ à 6 kilomètres au sud de la propriété.

Géologie et travaux antécédents

Le centre de la propriété est composé de péridotite et de shists à talc. La partie nord et une partie du sud-est a été identifiée comme "Greenstone Volcanics". Quelques trous de forage au diamant percés près du lac de Montigny ont donné des valeurs de 0.10 once à la tonne sur une longueur de 0.5 pied.

Une compilation de travaux géophysiques fut faite et les trous d'échantillonnage du till de base furent localisés dans la région immédiate des conducteurs V.L.F. et de magnétomètre.

Forage mort terrain

Un total de 10 échantillons furent prises au contact du socle rocheux. L'épaisseur du mort terrain varie de 10 mètres à 14 mètres. La composition du mort terrain est d'argile varveuse de la surface au till de base. Ce dernier a une épaisseur de 0.3 à 5 mètres.

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Les échantillons de till de base furent tamisées à -10 mailles - 150 mailles; cette portion fut traitée au liqueur lourde (s.g. 2.95) et le concentré lourd fut analysé pour l'or (Au en ppb).

Les résultats sont inclus dans ce rapport.

Soumis par

R. Cormier

DERRY, MICHENER & BOOTH
MINING GEOLOGICAL CONSULTANTS

2002 - The Simpson Tower
401 Bay Street
Toronto, Canada M5H 2Y4
Telephone (416) 368-4636
Cable: Dembee
Telex: 06-23686

October 16, 1981

Mr. Edward W. Rosenbaum
1356 Barrowdale Road
Rydal, Pennsylvania
U.S.A. 19046

Ministère de l'Énergie et des Ressources
Gouvernement du Québec
Documentation Technique
DATE: 21 JAN. 1982
No. G.M.: 37983

Dear Ed,

Re: Claims 373405-1, 373434-1 and ~~373226-2~~, → 381547-R1
Lots 48, 49 and 50,
Dubisson Township, Quebec

In response to your letter dated September 22nd, 1981 and telephone conversation of October 14th, 1981, I have reviewed the report, dealing with the geological appraisal of the above claims, co-authored in October 1979 by I. S. Thompson and D. J. Archer of DMB. The report recommends supplementary line cutting and magnetometer and VLF-EM 16 surveys to cover portions of the claims not covered by previous surveys which used these instruments. In addition, the recommended surveys would verify the existence and location of geophysical anomalies plotted on published government compilation plans.

Executing these surveys, of course, would exceed the annual expenditure of $1,450 required under the Quebec Mining Act to maintain these claims in good standing for an additional year.

In lieu of undertaking this programme, you have indicated you would like to have Roc Cormier carry out deep soil (overburden) sampling with the man-portable rock drill-type soil sampling equipment for a budgeted cost of approximately $1,500 in order to fulfill assessment requirements. Acting on your request, I have outlined 23 prospective hole/sample locations as shown on the attached property map (scale 1:10,000) extracted from the Thompson-Archer report. Hole sites have been selected; (1) over and "down-ice" of previously untested VLF and magnetometer anomalies located in earlier surveys; and (2) to sample along the volcanics-peridotite intrusive contact proven to be favourable for gold deposits on the Siscoe property some 1½ miles to the west. Holes are numbered in order of their priority and in the sequence they would likely be drilled in the field because of their ease of access and facility of being located on the ground. Hole spacings are approximately 250 m (820 ft.).

Normally, rates for this type of work vary between $500 and $600 per day and therefore to accommodate your budget this will entail about 3 days work, not including the cost of geochemical analyses for the samples which may run about $10 to $15 per sample. Since the overburden on the property reportedly varies

Cont'd...2/

from 0 to 41 feet in depth, it is not feasible to accurately predict the number of holes Roc Cormier will be able to put down per day. Depending on the composition and depth of the overburden, which will directly effect drill penetration rates, Cormier should be able to drill from 2 to possibly 8 holes a day (average 5) if his crews are experienced. Therefore, the maximum number of holes Cormier may be able to complete in 3 days will not exceed the 23 sites I have selected.

I would like to point out that using only the government compilation maps at this small scale (1:10,000) for positioning holes, without the benefit of having on-ground surveys to accurately determine the co-ordinates of the anomalies and contact, is risky at best. In the past I have found that these government compliation maps, although useful as a guide and reference to previous surveys, often contain inaccuracies in the location of anomalies and drill holes. Therefore, one may unknowingly miss the target and arrive at a false impression as to the validity of the results.

I trust the foregoing will be to your satisfaction and give you some perspective on what to expect from a survey of this nature.

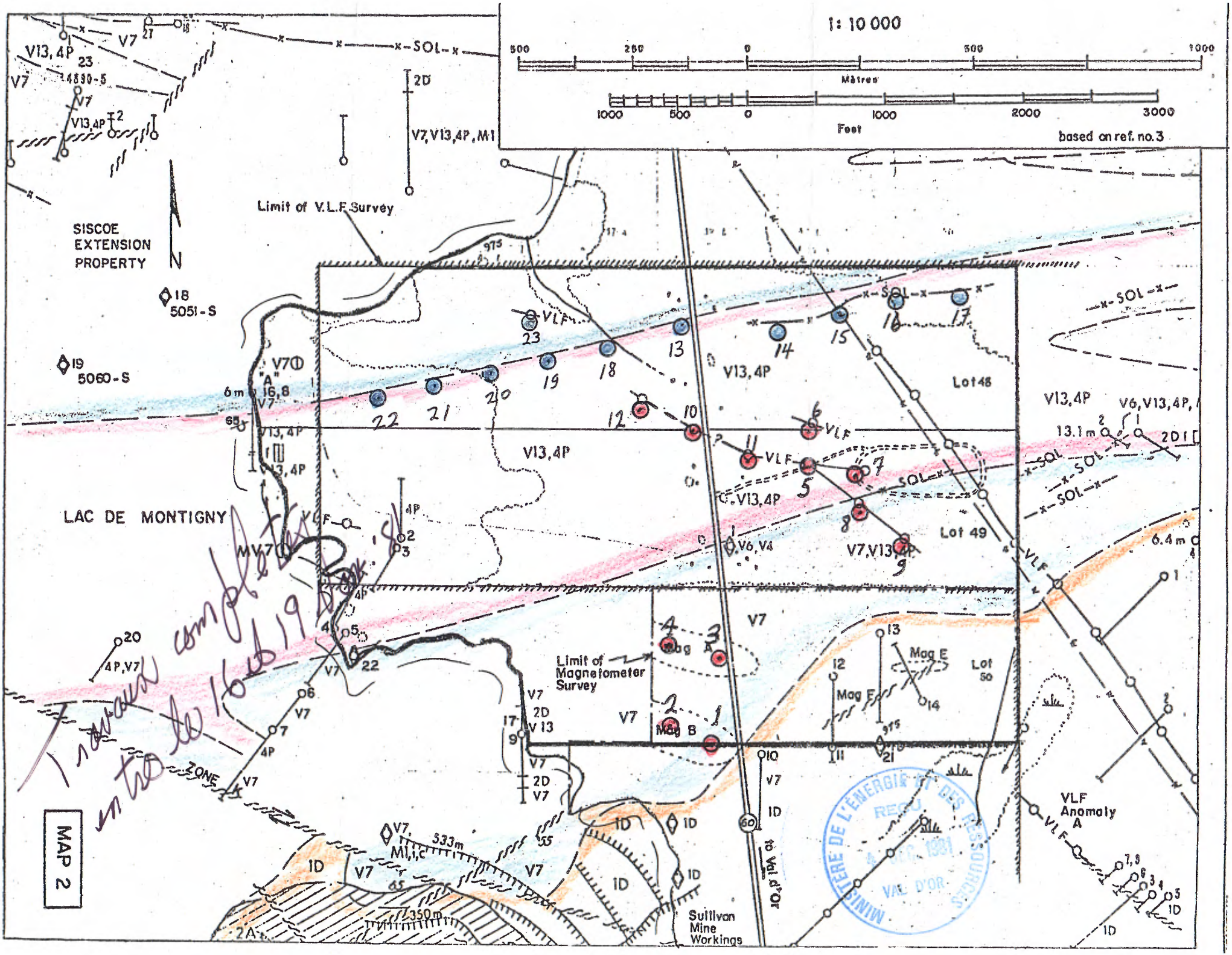
Yours very truly,

DERRY, MICHENER & BOOTH

Rick Routledge

R. E. Routledge

RER/ml
Attachments


1: 10 000
500 250 0 500 1000
Metres
1000 500 0 1000 2000 3000
Feet
based on ref. no. 3
Limit of V.L.F. Survey
SISCOE EXTENSION PROPERTY
LAC DE MONTIGNY
Limit of Magnetometer Survey
Lot 48
Lot 49
Lot 50
Mag A
Mag B
Mag E
VLF Anomaly A
Sullivan Mine Workings
MAP 2
MINISTÈRE DE L'ÉNERGIE ET DES RESSOURCES
REÇU
VAL D'OR

LEGEND FOR MAP 2

PROPERTY COMPILATION MAP

PRECAMBRIAN ARCHEAN

Plutonic Intrusive Rocks

2D Diorite
1D Granodiorite

Hypabyssal Intrusive Rocks

f Feldspar Porphyry

Metavolcanic Rocks

V4 Dacites
V7 Basalts (θ = pillowed)
V13 Ultramafic flows (4P = peridotite)

Geological Symbols

Outcrop area

Strata; normal, overturned

Geological boundary, probable or assumed

Fault, assumed

Drill hole, vertical

6m 21 — Drill hole, inclined, depth to bedrock in metres. (numbers 1-21 refer to DMB designation)

Geophysical Symbols

-x-x SOL x-x- Ground magnetometer survey, axis of high values

-o-o VLF o-o- VLF electromagnetic survey conductor

Mining

Underground workings, depth in metres

Other Symbols

Treed area

1 — Proposed overburden drill hole location & number
Higher priority (holes 1 to 12)
lower priority (holes 13 to 23)

MINISTÈRE DE L'ÉNERGIE ET DES RESSOURCES
REÇU
VAL D'OR

B. & C. LTD.

GEOLOGICAL APPRAISAL OF THREE CLAIMS - NOS. 373405-1, 373434-1, AND ~~360226-1~~ 381547-01 IN DUBUISSON TOWNSHIP, QUEBEC OWNED BY COLONEL E. W. ROSENBAUM

Ministère de l'Énergie et des Ressources
Gouvernement du Québec
Documentation Technique
DATE: 21 JAN. 1982
No. G.M.: 37983

I. S. Thompson, P.Eng.

D. J. Archer, Ph.D.

Toronto, Ontario
October 16, 1979

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INTRODUCTION

At the request of Colonel E. W. Rosenbaum, Derry, Michener & Booth has reviewed the geology and exploration potential of three unpatented, contiguous mining claims in Dubuisson Township, Abitibi East County, Quebec.

The property occurs within the Val D'Or - Malartic gold mining district. The Siscoe Mine is located about 1½ miles to the west of the property; the deeper workings of the Sullivan mine approach to within 1,000 ft. of the southern boundary of the property.

Our review is based on information supplied by Colonel Rosenbaum, some records and drill logs filed with the office of the Resident Geologist in Val D'Or, and communications with the Ministere des Richesses Naturelles in Quebec City. We have neither visited the property nor verified title to the claims.

This report should be read in conjunction with the maps showing the Location and Regional Geology (Map 1) and the Property Compilation (Map 2), which are appended.

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PROPERTY, LOCATION AND ACCESS

The following three claims, which we understand were staked by G. M. Paige in November 1978, are located in Range X, Dubuisson Township:-

	373405-1	-	Lot 48
	373434-1	-	Lot 49
381547-2	[redacted]	-	Lot 50

The property is located about 48°10'N, 77°50'W (NTS reference 32CSW).

Highway 60 passes through all three claims and provides easy access from Val D'Or, located about 3 miles to the south. A secondary road provides access to the eastern portion of the claims; the western boundary fronts onto Lac de Montigny.

The area lies about 975 ft. above sea level and is relatively flat. It is understood that a major portion has been cleared for farming and there are a number of buildings located on the property close to Highway 60. A power transmission line diagonally cuts the northeast corner of the ground.

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PROPERTY GEOLOGY

The claims are mainly covered by overburden, the depth of which may vary from a few feet to several tens of feet, as reported in some drill logs.

A few outcrops of greenstone and peridotite occur along the east shore of Lac de Montigny and close to Highway 60; however, most geological information as portrayed on the published maps, has been derived from the drilling and geophysical surveys, which are reviewed separately.

The property is mainly underlain by a west-southwest trending greenstone belt, composed of intermediate, mafic and ultramafic meta-volcanic rocks.

The ultra-mafic rocks, mainly peridotitic flows (V-13, 4P on Map 2), occupy the central part of the claims over a width of about 1,800 ft. The peridotites are bounded on either side by basaltic (V-7) and dacitic (V-4) flows. The rocks appear to dip at about 65^{o} north, but some are overturned and these must young to the south. It is possible that, as the rocks are tightly and intensely folded, the sequence may represent an anticline or syncline, the axis of which would be located through the peridotite belt.

The southeastern corner of the property is underlain by the northwestern edge of the Bourlamaque granodiorite batholith in which the Sullivan mine is located.

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A porphyry dyke, intersected in Hole 8, is probably associated with this granodiorite intrusion and it may be anticipated that other dykes probably occur on the property.

There is little evidence of faulting, except for the short inferred fault zone coincident with the magnetic anomaly in the southeastern corner of the property, within the granodiorite. It is possible that the northwest and northeast trending faults located to the southeast and southwest of the property may be traceable onto Lot 50.

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HISTORY OF EXPLORATION

A. Drilling

In 1937, Siscoe Extension Gold Ltd., drilled a single hole, referred to as Hole #A (DMB designation #16, Map 2), on the shore of Lac de Montigny, at the western end of Lot 48. The hole, drilled at a declination of -50° south to a depth of 872 ft., intersected fine grained lavas to 200 ft. and, thereafter, mainly talc-peridotite schists to the bottom of the hole. Within the peridotites, at a depth of 300 ft., a 20 ft. section of massive greenstone contained a 0.5 ft. intersection of quartz stringers with chalcopyrite and minor pyrrhotite, which assayed 0.10 oz./ton Au.

In the latter part of 1948, Allard Bros. were contracted to drill four holes on Lots 48 and 49. The driller's logs, recorded with the Quebec Department of Mines, indicate that the first hole passed through 40 ft. of overburden before intersecting 150 ft. of andesite, grading down-hole into dacite. The location of this hole (DMB designation #1) is believed to be just to the east of Highway 60 (Map 2). The three other holes have not been located but were drilled to 225 ft., 275 ft., and 165 ft. respectively, and mainly intersected peridotites. No assays are recorded for any of these holes.

In 1958, East Sullivan Mines Ltd. drilled a single hole referred to as No. 8, about 30 ft. from and parallel to the 1937 Siscoe Hole #A. The East Sullivan hole intersected a similar sequence of rocks but no assays are reported.

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In 1962-1963, Sullivan Consolidated Mines Ltd. drilled three holes on Lac de Montigny to the west and northwest of the Rosenbaum property (see Map 2).

The first hole, 4890-S, (DMB Hole No. 23), was drilled southwest at -54° to a depth of 817 ft. At 251 ft., it encountered a one foot intersection of quartz stringers in a diorite material, which assayed 1.06 oz./ton Au. This section occurred within a sequence of andesites, close to the contact with underlying peridotites.

The second hole, 5051-S, drilled vertically for 948 ft., obtained an intersection assaying 2.12 oz./ton Au over one foot at a depth of 298 ft. The gold is reported to occur in a carbonate bleb with associated chalcopyrite, in a sequence of peridotites. A second intersection at a depth of 311 ft. assayed 0.80 oz./ton Au over 1.6 ft. Minor pyrite was also reported in the hole.

The third hole, 5060-S, was drilled vertically to a depth of 1,385 ft. At 457 ft., a one foot intersection of "quartz impregnated chlorite dyke", within a sequence of peridotites, assayed 0.14 oz./ton Au. A second intersection from 1,039 ft. to 1,041 ft. in a sheared granodiorite, with 50% quartz and a little pyrrotite, assayed 0.06 oz./ton Au over 2 ft.

The government compilation map shows about sixteen holes drilled on or adjacent to the property. Although the drill logs are no longer available, there is sufficient density of data points to justify the published geological maps units.

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B. Geophysical Surveys

In 1942, Techni-Counsel Limited completed a magnetometer survey over an area which included a portion of Lot 50 in the southern part of the Rosenbaum property (Map 2). Four anomalies were identified on the property, referred to as A, B, E and F.

Anomalies A and B are located to the west of Highway 60 and trend west-northwest for over 700 ft. They are both underlain by greenstone and are relatively intense (reaching 3,200 gammas) and broad (greater than 200 ft. wide).

Anomalies E and F are weaker (only about 300 gammas), shorter and narrower; both are underlain by granodiorite. Anomaly E trends east and may merge with anomaly F which trends northeast and parallels the inferred contact between the greenstones and granodiorite.

On the government compilation map, anomaly F coincides with an inferred fault. Three holes (DMB designation Nos. 12, 13 and 14) were apparently drilled to test this zone but, as stated, no records for these holes have been located.

In 1962-1963, Sullivan Consolidated Mines Ltd. carried out magnetometer and EM surveys over parts of the Siscoe Extension - North Siscoe Group property which included the western portion of Lot 48; however, the geophysical surveys did not extend onto the Rosenbaum property.

In addition to the above surveys, the government compilation map shows two axes of magnetic high values, within the Rosenbaum property. These axes are parallel to and lie on or close to the margin between

the greenstones and the peridotite belt to the east of Highway 60 (see Map 2). We have not, however, located any records of this survey.

In 1973, Metals Petroleum and Hydraulic Resources Consulting Limited completed a VLF electromagnetic survey for the Goldsearch Syndicate over a prospect referred to as Doubax 1, which included Lots 48 and 49 of the Rosenbaum property.

Several conductors were identified within and adjacent to the property, as plotted on the compilation map (Map 2).

The northwest trending conductor in the northeastern part of Lots 48 and 49 is due to the transmission line.

An east-southeast trending conductor crosses the central portion of the property and branches to the southeast. Three other single line anomalies occur in other areas of Lots 48 and 49.

A conductor referred to in the Goldsearch report as Anomaly A, approaches the southeast corner of the Rosenbaum property. This conductor coincides with an interpreted northwest trending fault, which appears to have been tested by drilling.

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CONCLUSIONS AND RECOMMENDATIONS

The 350 acre Rosenbaum property is underlain by a sequence of peridotite flows and andesite-basalt flows. The latter have been described in previous works as greenstones, diorites or andesites.

The property, lying near to the formerly producing Siscoe and Sullivan mines, is considered to have a potential for the discovery of gold mineralization.

In particular, the northern contact between the peridotites and the greenstones is believed to be a favourable environment, since this structure appears to merge into a northwest trending fault associated with the Siscoe mineralization. Potentially significant gold mineralization has been found close to this contact by previous drilling in the northwest corner of the property and other gold intersections have been recorded further northwest under Lac de Montigny.

We recommend that a programme of line cutting (picketing, where the bush has been cleared) and a detailed magnetometer survey should be carried out over the property. The objective of this work is to define the geological contacts in more detail, in particular the northern contact between the peridotites and greenstones.

We also recommend that the VLF survey completed over Lots 48 and 49 should be extended over Lot 50, using the same instrument, a Geonics EM-16. At the same time, the positions of the previous conductors in Lots 48 and 49 should be confirmed in the field. All the VLF-EM data should then be filtered by the Fraser method as an aid to the identification of further structural features and/or conductors.

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Resultant magnetic and/or electromagnetic areas of interest should be diamond drilled to test for geological structure and gold mineralization.

Respectfully submitted,

I. S. Thompson, P.Eng.

REGISTERED PROFESSIONAL ENGINEER
I. S. THOMPSON
PROVINCE OF ONTARIO

D. J. Archer, Ph.D.

Toronto, Ontario
October 16, 1979

REFERENCES

1. Gouvernement du Quebec, Ministere des Richesses Naturelle: Esquisses Geologiques du Sillon Majeur de la Motte-Vassair at a scale of 1:100,000 1975.

2. Gouvernement du Ouebec, Ministere des Richesses Naturelle: Nouvelle Lithostratographie a l'Ouest de Val D'Or et son Incidence Gitologique by L. Imreh, DP-349 (v), dated April 7, 1976.

3. Gouvernement du Quebec, Ministere des Richesses Naturelle: Carte de Compilation Geoscientifique - 32C/4-0302, at a scale of 1:10,000, Preliminary Edition October 24, 1977.

4. Gouvernement du Quebec, Ministere des Richesses Naturelle: Carte des Ressources Minerales - 32C/SW at a scale of 1:100,000 1978.

5. Gouvernement du Quebec, Ministere des Richesses Naturelle: Mining Claim Map for Dubuisson Township at a scale of 1:50,000, dated April 18, 1979.

6. Metals Petroleum & Hydraulic Resouces Consulting Limited: A VLF Electromagnetic Survey on the Dubax 1 Property Dubuisson Township, Quebec for the Goldsearch Syndicate. Report and Map at a scale of 1" to 400 ft., dated September 13, 1973.

7. Miscellaneous Drilling Records as Follows:-

   (a) One hole drilled by Siscoe Extension Gold Ltd: Hole No. A (Lot 48), on the Siscoe Extension Property, 1937.

   (b) Four holes drilled by Allard Bros. in Lots 48 and 49. Range X, 1948.

   (c) One hole drilled by East Sullivan Mines Ltd: No. 8 on the Siscoe Extension Property (Lot 48) 1958 (hole located about 30 ft. from (a)).

   (d) Three holes drilled by Sullivan Consolidated Mines Ltd.: 4890-S, 5051-S, 5060-S on the North Siscoe Property in 1962-1963.

   (e) One hole on the "Colonisation Property" (Henri Tremblay) Lot 48, Range X, drilled as potential well, May 1967.

8. Resident Geologist in Val D'Or:
Information received on a Sketch Map at scale of 1" to 1,000 ft.
dated November 20, 1978 and revised March 30, 1979 and
September 6, 1979.

9. Sullivan Consolidated Mines Ltd.:
Map of Electromagnetic Survey and Diamond Drilling on
De Montigny Lake at a scale of 1"= 200 ft.
dated March 1962.

10. Sullivan Consolidated Mines Ltd.:
Sketch Map of Magnetometer Survey and Diamond Drilling on
North Siscoe Group, Scale 1"= 1,000 ft.,
dated 1958 and apparently revised 1962-1963.

11. Sullivan Consolidated Mines Ltd.:
Magnetometer Survey on Part of the Siscoe Extension
Property; Report and Map at a Scale of 1"= 200 ft.,
dated February 1963.

12. Techni-Counsel Ltd.:
Magnetometer Survey for Sullivan Consolidated Mines Ltd.
on part of MC No. 288 and Claim No. A-27695,
Range X Dubuisson Township (Lots 50 to 53).
Map at a scale of 1"= 200 ft.
dated October 30, 1942. No report.

LEGEND FOR MAP 1

LOCATION AND REGIONAL GEOLOGY

PRECAMBRIAN PROTEROZOIC



Gabbro and diabase dykes

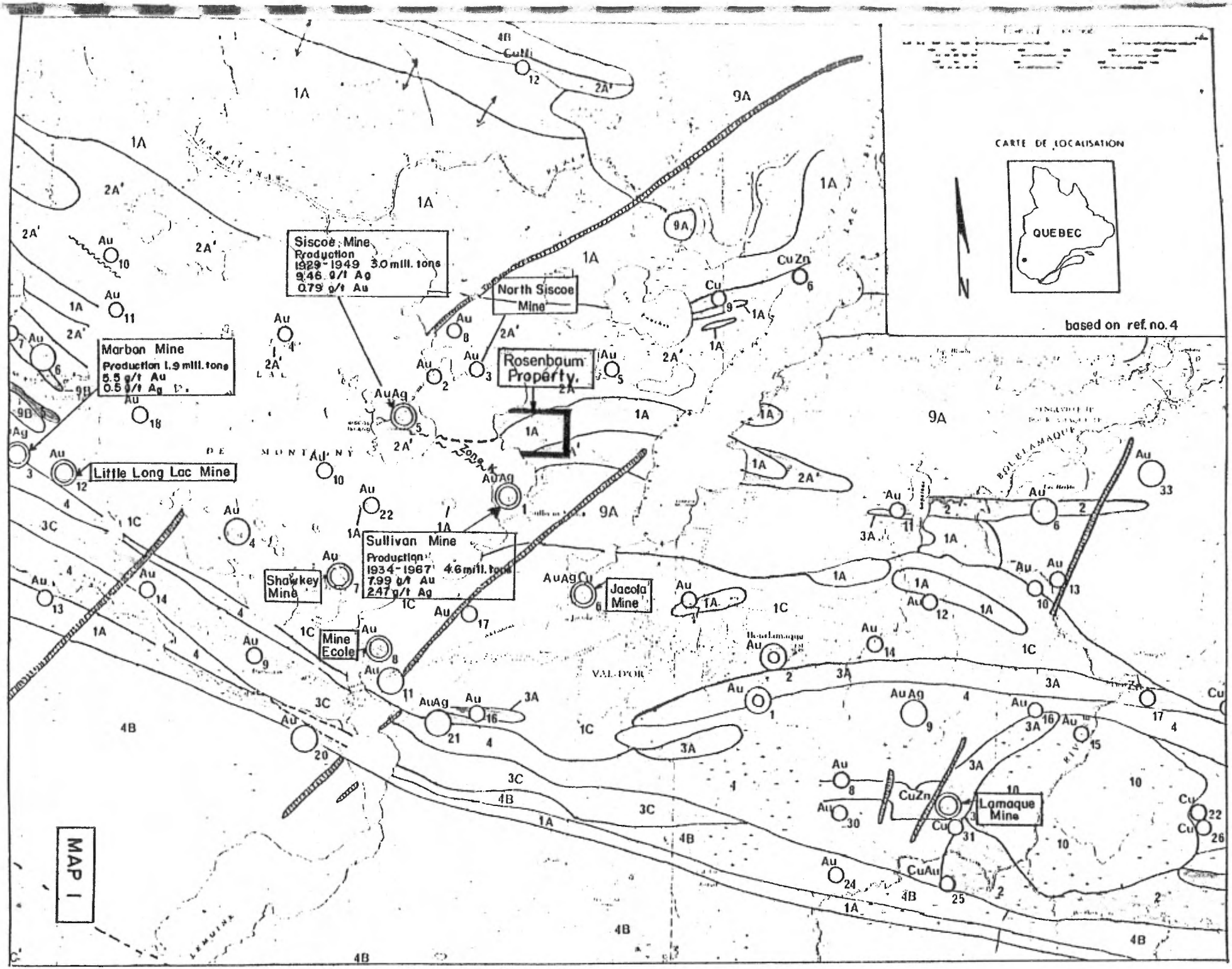
PRECAMBRIAN ARCHEAN

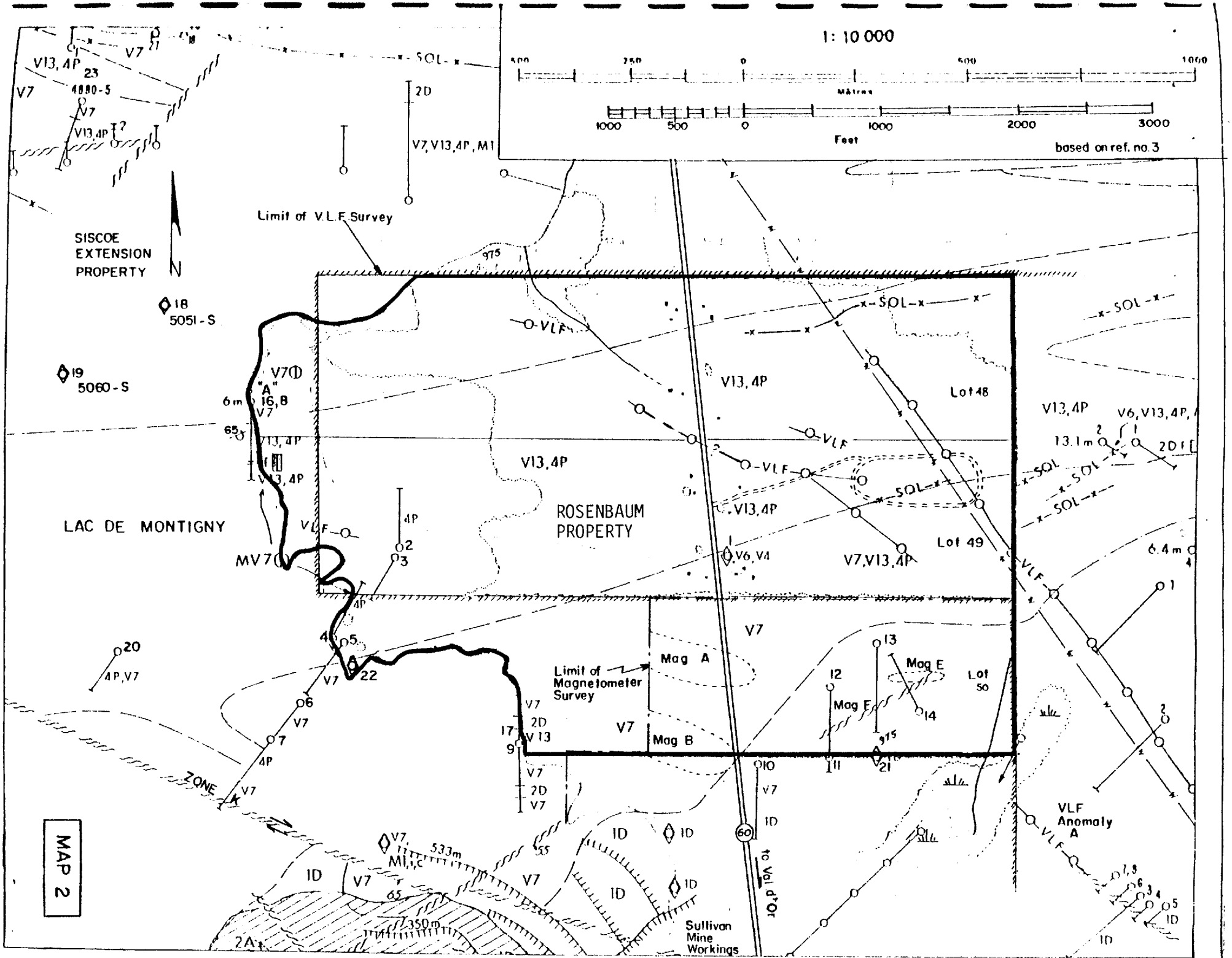
10		Monzonite; syenite
9A		Granodiorite
9B		Quartz-diorite
6		Gabbro; diorite
5		Peridotite and other ultramafic intrusives
4		Metasedimentary rocks, undifferentiated
4B		Greywacke; siltstone; argillite
4C		Greywacke, staurolitic and garnetiferous
3A		Rhyolite
3C		Pyroclastic rocks
2		Mafic to intermediate metavolcanics
2A		Metabasalts
1A		Ultramafic metavolcanics
1C		Interbedded ultramafic-basalt-hyaloclastic sequences

Geological Symbols



Fault zone


CARTE DE LOCALISATION
QUEBEC
based on ref. no. 4
Siscoe Mine
Production
1929-1949 3.0 mill. tons
9.46 g/t Ag
0.79 g/t Au
North Siscoe Mine
Marban Mine
Production 1.9 mill. tons
5.5 g/t Au
0.5 g/t Ag
Rosenbaum Property
Little Long Lac Mine
Sullivan Mine
Production
1934-1967 4.6 mill. tons
7.99 g/t Au
2.47 g/t Ag
Shawkey Mine
Mine Ecole
Jacola Mine
Lamaque Mine
MAP 1


1: 10 000
Metres
Feet
based on ref. no. 3
SISCOE EXTENSION PROPERTY
Limit of V.L.F. Survey
LAC DE MONTIGNY
ROSENBAUM PROPERTY
Lot 48
Lot 49
Lot 50
Limit of Magnetometer Survey
Mag A
Mag B
Mag E
Mag F
VLF Anomaly A
Sullivan Mine Workings
ZONE
MAP 2

LEGEND FOR MAP 2

PROPERTY COMPILATION MAP

PRECAMBRIAN ARCHEAN

Plutonic Intrusive Rocks

2D Diorite
1D Granodiorite

Hypabyssal Intrusive Rocks

f Feldspar Porphyry

Metavolcanic Rocks

V4 Dacites
V7 Basalts (θ = pillowed)
V13 Ultramafic flows (4P = peridotite)

Geological Symbols

Outcrop area

Strata; normal, overturned

Geological boundary, probable or assumed

Fault, assumed

Drill hole, vertical

6m 21 Drill hole, inclined, depth to bedrock in metres. (numbers 1-21 refer to DMB designation)

Geophysical Symbols

-x-x SOL x-x- Ground magnetometer survey, axis of high values

-o-o VLF o-o- VLF electromagnetic survey conductor

Mining

Underground workings, depth in metres

Other Symbols

Treed area

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Associates Ltd.

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Bécancour, Qué.
Canada, G0X 1B0
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OVERBURDEN DRILLING LOG
JOURNAL DE FORAGE MORT TERRAIN

SAMPLE No:/ No D'ÉCHANTILLON:	DRILL No:/ No DU TROU:	DATE:
IRL 1201	1	7/11/81
SAMPLE DEPTH:/ PROF. D'ÉCHANT: 48'	SAMPLERS:/ SONDEURS: RL	CONTRACT:/ CONTRAT: ROSENBAUM, I.
LINE:/ LIGNE:	STATION: LOT 50	LOCATION:/LOCALITÉ SULLIVAN,

DRILLING TIME – *FEUILLE DE TEMPS*

POINT STARTED: / DÉBUT DE POINTE:

SAMPLER STARTED: / DÉBUT D'ÉCHANTILLON: 7.30 8.35

POINT STOPPED: / ARRÊT DE POINTE:

SAMPLER STOPPED: / ARRÊT D'ÉCHANTILLON: 8.10 9.15

POINT EXTRACTED: / EXTRACTION DE POINTE:

SAMPLE EXTRACTED: / EXTRACTION D'ÉCHANTILLON: 8.35 9.40

FOOTAGE PROFONDEUR FROM DE	TO À	OVERBURDEN DESCRIPTION DESCRIPTION DU MORT TERRAIN	SAMPLE DESCRIPTION ÉCHANTILLON	
0	3"	ORGANIC	ORGANIC ORGANIQUE	%
3"	40'	CLAY	CLAY ARGILE	%
40'	46'	FINE SAND	SILT SILTE	%
46'	48'	BASAL TILL	FINE SAND SABLE FIN	%
48'		BED ROCK	MEDIUM SAND SABLE MED.	%
			COARSE SAND SABLE GROS	%
			GRAVEL GRAVIER	%
			PEBBLES CAILLOUX	%

REMARKS:
REMARQUES:

2 ESSAIS

Ministère de l'Énergie et des Ressources
Gouvernement du Québec
Documentation Technique
DATE: 21 JAN. 1982
32983

rca R. Cormier & Associés Ltée
Associates Ltd.

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Bécancour, Qué.
Canada, G0X 1B0
Tél. - (819) 294-9939

OVERBURDEN DRILLING LOG
JOURNAL DE FORAGE MORT TERRAIN

SAMPLE No:/ No D'ÉCHANTILLON:	DRILL No:/ No DU TROU:	DATE:
IRL1202	2	7/11/81
SAMPLE DEPTH:/ PROF. D'ÉCHANT: 44'	SAMPLERS:/ SONDEURS: RL	CONTRACT:/ CONTRAT: ROSENBAUM, L.
LINE:/ LIGNE:	STATION: LOT 50	LOCATION:/LOCALITÉ SULLIVAN

DRILLING TIME – *FEUILLE DE TEMPS*

POINT STARTED:
DÉBUT DE POINTE:

SAMPLER STARTED:
DÉBUT D'ÉCHANTILLON: 9.50 10,50

POINT STOPPED:
ARRÊT DE POINTE:

SAMPLER STOPPED:
ARRÊT D'ÉCHANTILLON: 10,30 11.30

POINT EXTRACTED:
EXTRACTION DE POINTE:

SAMPLE EXTRACTED:
EXTRACTION D'ÉCHANTILLON: 10,50 11,55

FOOTAGE PROFONDEUR FROM DE	TO À	OVERBURDEN DESCRIPTION DESCRIPTION DU MORT TERRAIN	SAMPLE DESCRIPTION ÉCHANTILLON	
0	3"	ORGANIC	ORGANIC ORGANIQUE	%
3'	35'	CLAY	CLAY ARGILE	%
35'	42'	FINE SAND	SILT SILTE	%
42'	44'	BASAL TILL	FINE SAND SABLE FIN	%
44'		BED ROCK	MEDIUM SAND SABLE MED.	%
			COARSE SAND SABLE GROS	%
			GRAVEL GRAVIER	%
			PEBBLES CAILLOUX	%

REMARKS:
REMARQUES:

2 ESSAIS

'88

rca R. Cormier & Associés Ltée
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Bécancour, Qué.
Canada, G0X 1B0
Tél. - (819) 294-9939

OVERBURDEN DRILLING LOG
JOURNAL DE FORAGE MORT TERRAIN

SAMPLE No:/ No D'ÉCHANTILLON:	DRILL No:/ No DU TROU:	DATE:
IRL 1203	3	7/11/81
SAMPLE DEPTH:/ PROF. D'ÉCHANT:	SAMPLERS:/ SONDEURS:	CONTRACT:/ CONTRAT:
36'	RL	ROSENBAUM L.
LINE:/ LIGNE:	STATION:	LOCATION:/LOCALITÉ
	LOT 50	SULLIVAN

DRILLING TIME – *FEUILLE DE TEMPS*

POINT STARTED:
DÉBUT DE POINTE:

SAMPLER STARTED:
DÉBUT D'ÉCHANTILLON: 12.30 1.15

POINT STOPPED:
ARRÊT DE POINTE:

SAMPLER STOPPED:
ARRÊT D'ÉCHANTILLON: 12.55 1.40

POINT EXTRACTED:
EXTRACTION DE POINTE:

SAMPLE EXTRACTED:
EXTRACTION D'ÉCHANTILLON: 1.15 2P°

FOOTAGE PROFONDEUR FROM DE	TO À	OVERBURDEN DESCRIPTION DESCRIPTION DU MORT TERRAIN	SAMPLE DESCRIPTION ÉCHANTILLON	
0	3"	ORGANIC	ORGANIC ORGANIQUE	%
3"	30'	CLAY	CLAY ARGILE	%
30'	35'	FINE SAND	SILT SILTE	%
35'	36'	BASAL TILL	FINE SAND SABLE FIN	%
36'		BED ROCK	MEDIUM SAND SABLE MED.	%
			COARSE SAND SABLE GROS	%
			GRAVEL GRAVIER	%
			PEBBLES CAILLOUX	%

REMARKS:
REMARQUES:

2 ESSAIS

GT

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OVERBURDEN DRILLING LOG
JOURNAL DE FORAGE MORT TERRAIN

SAMPLE No:/ No D'ÉCHANTILLON:	DRILL No:/ No DU TROU:	DATE:
IRL 204	4	7/11/81
SAMPLE DEPTH:/ PROF. D'ÉCHANT:	SAMPLERS:/ SONDEURS:	CONTRACT:/ CONTRAT:
30'	RL	ROSENBAUM L.
LINE:/ LIGNE:	STATION:	LOCATION:/ LOCALITÉ
	LOT 50	SULLIVAN

DRILLING TIME – *FEUILLE DE TEMPS*

POINT STARTED:
DÉBUT DE POINTE:

SAMPLER STARTED:
DÉBUT D'ÉCHANTILLON: 2.15 3.00

POINT STOPPED:
ARRÊT DE POINTE:

SAMPLER STOPPED:
ARRÊT D'ÉCHANTILLON: 2.35 3.26

POINT EXTRACTED:
EXTRACTION DE POINTE:

SAMPLE EXTRACTED:
EXTRACTION D'ÉCHANTILLON: 2.55 3.50

FOOTAGE PROFONDEUR		OVERBURDEN DESCRIPTION DESCRIPTION DU MORT TERRAIN	SAMPLE DESCRIPTION ÉCHANTILLON	
FROM DE	TO À			
0	3"	ORGANIC	ORGANIC ORGANIQUE	%
3"	26'	CLAY	CLAY ARGILE	%
26'	29'	FINE SAND	SILT SILTE	%
29'	30'	BASAL TILL	FINE SAND SABLE FIN	%
30'		BED ROCK	MEDIUM SAND SABLE MED.	%
			COARSE SAND SABLE GROS	%
			GRAVEL GRAVIER	%
			PEBBLES CAILLOUX	%

REMARKS:
REMARQUES:

2 ESSAIS

02

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OVERBURDEN DRILLING LOG
JOURNAL DE FORAGE MORT TERRAIN

SAMPLE No:/ No D'ÉCHANTILLON:	DRILL No:/ No DU TROU:	DATE:
~	5	9/11/81
SAMPLE DEPTH:/ PROF. D'ÉCHANT:	SAMPLERS:/ SONDEURS:	CONTRACT:/ CONTRAT:
~	RL	ROSENBAUM
LINE:/ LIGNE:	STATION:	LOCATION:/LOCALITÉ
	LOT 49	SULLIVAN

DRILLING TIME – *FEUILLE DE TEMPS*

POINT STARTED:
DÉBUT DE POINTE:

SAMPLER STARTED:
DÉBUT D'ÉCHANTILLON: 7.30 8,45 10h

POINT STOPPED:
ARRÊT DE POINTE:

SAMPLER STOPPED:
ARRÊT D'ÉCHANTILLON: 8.15 9,30 10,45

POINT EXTRACTED:
EXTRACTION DE POINTE:

SAMPLE EXTRACTED:
EXTRACTION D'ÉCHANTILLON: 8,45 10,00 11,15

FOOTAGE PROFONDEUR FROM DE	TO À	OVERBURDEN DESCRIPTION DESCRIPTION DU MORT TERRAIN	SAMPLE DESCRIPTION ÉCHANTILLON	
0	3"	ORGANIC	ORGANIC ORGANIQUE	%
3"	35'	CLAY	CLAY ARGILE	%
35'	40'	BOULDERS	SILT SILTE	%
		GRAVEL	FINE SAND SABLE FIN	%
			MEDIUM SAND SABLE MED.	%
			COARSE SAND SABLE GROS	%
			GRAVEL GRAVIER	%
			PEBBLES CAILLOUX	%

REMARKS:
REMARQUES:

3 ESSAIS.

NO SAMPLE

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OVERBURDEN DRILLING LOG
JOURNAL DE FORAGE MORT TERRAIN

SAMPLE No:/ No D'ÉCHANTILLON:	DRILL No:/ No DU TROU:	DATE:
L	6	9/4/81
SAMPLE DEPTH:/ PROF. D'ÉCHANT:	SAMPLERS:/ SONDEURS:	CONTRACT:/ CONTRAT:
L	RL	ROSENBAUM
LINE:/ LIGNE:	STATION:	LOCATION:/LOCALITÉ
	LOT 48	SULLIVAN

DRILLING TIME – *FEUILLE DE TEMPS*

POINT STARTED:
DÉBUT DE POINTE:

SAMPLER STARTED:
DÉBUT D'ÉCHANTILLON: 12.00 1.15 2.35

POINT STOPPED:
ARRÊT DE POINTE:

SAMPLER STOPPED:
ARRÊT D'ÉCHANTILLON: 12.40 2.00 3.20

POINT EXTRACTED:
EXTRACTION DE POINTE:

SAMPLE EXTRACTED:
EXTRACTION D'ÉCHANTILLON: 1.15 2.35 3.55

FOOTAGE PROFONDEUR FROM DE	TO À	OVERBURDEN DESCRIPTION DESCRIPTION DU MORT TERRAIN	SAMPLE DESCRIPTION ÉCHANTILLON	
0	3"	ORGANIC	ORGANIC ORGANIQUE	%
3"	30'	CLAY	CLAY ARGILE	%
30'	36'	BOULDERS	SILT SILTE	%
		GRAVEL	FINE SAND SABLE FIN	%
			MEDIUM SAND SABLE MED.	%
			COARSE SAND SABLE GROS	%
			GRAVEL GRAVIER	%
			PEBBLES CAILLOUX	%

REMARKS:
REMARQUES:

3 ESSAIS

NO SAMPLE.

'80

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OVERBURDEN DRILLING LOG
JOURNAL DE FORAGE MORT TERRAIN

SAMPLE No:/ No D'ÉCHANTILLON:	DRILL No:/ No DU TROU:	DATE:
IRL1205	5	16/11/81
SAMPLE DEPTH:/ PROF. D'ÉCHANT: 46'	SAMPLERS:/ SONDEURS: RL LL	CONTRACT:/ CONTRAT: ROSENBAUM
LINE:/ LIGNE:	STATION: LOT 49	LOCATION:/LOCALITÉ SULLIVAN

DRILLING TIME – *FEUILLE DE TEMPS*

POINT STARTED:
DÉBUT DE POINTE:

SAMPLER STARTED:
DÉBUT D'ÉCHANTILLON: 8.00 9.10

POINT STOPPED:
ARRÊT DE POINTE:

SAMPLER STOPPED:
ARRÊT D'ÉCHANTILLON: 8.40 9.50

POINT EXTRACTED:
EXTRACTION DE POINTE:

SAMPLE EXTRACTED:
EXTRACTION D'ÉCHANTILLON: 9.10 10.15

FOOTAGE PROFONDEUR FROM DE	TO À	OVERBURDEN DESCRIPTION DESCRIPTION DU MORT TERRAIN	SAMPLE DESCRIPTION ÉCHANTILLON
0	3"	ORGANIC	ORGANIC ORGANIQUE %
3"	35'	CLAY	CLAY ARGILE %
35'	40'	GRAVEL, BOULDER	SILT SILTE %
40'	45'	COARSE SAND	FINE SAND SABLE FIN %
45'	46'	BASAL TILL	MEDIUM SAND SABLE MED. %
46'		BED ROCK	COARSE SAND SABLE GROS %
			GRAVEL GRAVIER %
			PEBBLES CAILLOUX %

REMARKS:
REMARQUES:

2 ESSAIS

CP

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OVERBURDEN DRILLING LOG
JOURNAL DE FORAGE MORT TERRAIN

SAMPLE No:/ No D'ÉCHANTILLON:	DRILL No:/ No DU TROU:	DATE:
RL 1206	6	16/4/81
SAMPLE DEPTH:/ PROF. D'ÉCHANT:	SAMPLERS:/ SONDEURS:	CONTRACT:/ CONTRAT:
43'	RL LL	ROSENBAUM
LINE:/ LIGNE:	STATION:	LOCATION:/LOCALITÉ
	LOT 48	SULLIVAN

DRILLING TIME – *FEUILLE DE TEMPS*

POINT STARTED:
DÉBUT DE POINTE:

SAMPLER STARTED:
DÉBUT D'ÉCHANTILLON: 10.25 , 11.15

POINT STOPPED:
ARRÊT DE POINTE:

SAMPLER STOPPED:
ARRÊT D'ÉCHANTILLON: 10.50 11.40

POINT EXTRACTED:
EXTRACTION DE POINTE:

SAMPLE EXTRACTED:
EXTRACTION D'ÉCHANTILLON: 11.15 12.00

FOOTAGE PROFONDEUR FROM DE	TO À	OVERBURDEN DESCRIPTION DESCRIPTION DU MORT TERRAIN	SAMPLE DESCRIPTION ÉCHANTILLON	
0	3"	ORGANIC	ORGANIC ORGANIQUE	%
3"	30'	CLAY	CLAY ARGILE	%
30'	36'	GRAVEL, BOULDER	SILT SILTE	%
36'	42'	COARSE SAND	FINE SAND SABLE FIN	%
42'	43'	BASAL TILL	MEDIUM SAND SABLE MED.	%
43'		BED ROCK	COARSE SAND SABLE GROS	%
			GRAVEL GRAVIER	%
			PEBBLES CAILLOUX	%

REMARKS:
REMARQUES:

2 ESSAIS

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OVERBURDEN DRILLING LOG
JOURNAL DE FORAGE MORT TERRAIN

SAMPLE No:/ No D'ÉCHANTILLON:	DRILL No:/ No DU TROU:	DATE:
IRL 1207	7	10/11/81
SAMPLE DEPTH:/ PROF. D'ÉCHANT: 34'	SAMPLERS:/ SONDEURS: RL	CONTRACT:/ CONTRAT: ROSENBAUM, L
LINE:/ LIGNE:	STATION:	LOCATION:/LOCALITÉ SULLIVAN

DRILLING TIME – *FEUILLE DE TEMPS*

POINT STARTED: / DÉBUT DE POINTE:

SAMPLER STARTED: / DÉBUT D'ÉCHANTILLON: 7.45 8.30

POINT STOPPED: / ARRÊT DE POINTE:

SAMPLER STOPPED: / ARRÊT D'ÉCHANTILLON: 8.10 8.55

POINT EXTRACTED: / EXTRACTION DE POINTE:

SAMPLE EXTRACTED: / EXTRACTION D'ÉCHANTILLON: 8.30 9.15

FOOTAGE / PROFONDEUR FROM / DE	TO / À	OVERBURDEN DESCRIPTION / DESCRIPTION DU MORT TERRAIN	SAMPLE DESCRIPTION / ÉCHANTILLON	
0	3"	ORGANIC	ORGANIC / ORGANIQUE	%
3"	28'	CLAY	CLAY / ARGILE	%
28'	33'	FINE SAND	SILT / SILTE	%
33'	34'	BASAL TILL	FINE SAND / SABLE FIN	%
34'		BED ROCK	MEDIUM SAND / SABLE MED.	%
			COARSE SAND / SABLE GROS	%
			GRAVEL / GRAVIER	%
			PEBBLES / CAILLOUX	%

REMARKS:
REMARQUES:

2 ESSAIS

'82

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OVERBURDEN DRILLING LOG
JOURNAL DE FORAGE MORT TERRAIN

SAMPLE No:/ No D'ÉCHANTILLON:	DRILL No:/ No DU TROU:	DATE:
IRL 1208	IRL 1208	10/11/81
SAMPLE DEPTH:/ PROF. D'ÉCHANT:	SAMPLERS:/ SONDEURS:	CONTRACT:/ CONTRAT:
33'	BL	ROSENBAUM, L.
LINE:/ LIGNE:	STATION:	LOCATION:/LOCALITÉ
		SULLIVAN

DRILLING TIME – *FEUILLE DE TEMPS*

POINT STARTED:
DÉBUT DE POINTE:

SAMPLER STARTED:
DÉBUT D'ÉCHANTILLON: 9.30 10.25

POINT STOPPED:
ARRÊT DE POINTE:

SAMPLER STOPPED:
ARRÊT D'ÉCHANTILLON: 10.00 10.55

POINT EXTRACTED:
EXTRACTION DE POINTE:

SAMPLE EXTRACTED:
EXTRACTION D'ÉCHANTILLON: 10.25 11.23

FOOTAGE PROFONDEUR FROM DE	TO À	OVERBURDEN DESCRIPTION DESCRIPTION DU MORT TERRAIN	SAMPLE DESCRIPTION ÉCHANTILLON	
0	3"	ORGANIC	ORGANIC ORGANIQUE	%
3"	25'	CLAY	CLAY ARGILE	%
25'	32'	FINE SAND	SILT SILTE	%
32'	33'	BASAL TILL	FINE SAND SABLE FIN	%
33'		BED ROCK	MEDIUM SAND SABLE MED.	%
			COARSE SAND SABLE GROS	%
			GRAVEL GRAVIER	%
			PEBBLES CAILLOUX	%

REMARKS:
REMARQUES:

2 ESSAI'S

22

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OVERBURDEN DRILLING LOG
JOURNAL DE FORAGE MORT TERRAIN

SAMPLE No:/ No D'ÉCHANTILLON:	DRILL No:/ No DU / ROU:	DATE:
IRL1209	IRL 1209	10/11/81
SAMPLE DEPTH:/ PROF. D'ÉCHANT:	SAMPLERS:/ SONDEURS:	CONTRACT:/ CONTRAT:
35'6"	BL	ROSENBAUM
LINE:/ LIGNE:	STATION:	LOCATION:/LOCALITÉ
		SULLIVAN

DRILLING TIME – *FEUILLE DE TEMPS*

POINT STARTED:
DÉBUT DE POINTE:

SAMPLER STARTED:
DÉBUT D'ÉCHANTILLON: 12.00 1.10

POINT STOPPED:
ARRÊT DE POINTE:

SAMPLER STOPPED:
ARRÊT D'ÉCHANTILLON: 12.40 1.50

POINT EXTRACTED:
EXTRACTION DE POINTE:

SAMPLE EXTRACTED:
EXTRACTION D'ÉCHANTILLON: 1.10 2.15

FOOTAGE PROFONDEUR		OVERBURDEN DESCRIPTION DESCRIPTION DU MORT TERRAIN	SAMPLE DESCRIPTION ÉCHANTILLON	
FROM DE	TO À			
0	3"	ORGANIC	ORGANIC ORGANIQUE	%
3"	30'	CLAY	CLAY ARGILE	%
30'	35'	FINE SAND	SILT SILTE	%
35'	35'6"	BASAL TILL	FINE SAND SABLE FIN	%
35'6"		BED ROCK	MEDIUM SAND SABLE MED.	%
			COARSE SAND SABLE GROS	%
			GRAVEL GRAVIER	%
			PEBBLES CAILLOUX	%

REMARKS:
REMARQUES:

2 ESSAIS

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OVERBURDEN DRILLING LOG
JOURNAL DE FORAGE MORT TERRAIN

SAMPLE No:/ No D'ÉCHANTILLON:	DRILL No:/ No DU TROU:	DATE:
IRL 12 10	10	10/11/81
SAMPLE DEPTH:/ PROF. D'ÉCHANT:	SAMPLERS:/ SONDEURS:	CONTRACT:/ CONTRAT:
52'	RI	ROSENBAUM
LINE:/ LIGNE:	STATION:	LOCATION:/LOCALITÉ
		SULLIVAN

DRILLING TIME – *FEUILLE DE TEMPS*

POINT STARTED: / DÉBUT DE POINTE:

SAMPLER STARTED: / DÉBUT D'ÉCHANTILLON: 2.30 3.40

POINT STOPPED: / ARRÊT DE POINTE:

SAMPLER STOPPED: / ARRÊT D'ÉCHANTILLON: 3.15 4.20

POINT EXTRACTED: / EXTRACTION DE POINTE:

SAMPLE EXTRACTED: / EXTRACTION D'ÉCHANTILLON: 3.40 4.50

FOOTAGE / PROFONDEUR FROM / DE	TO / À	OVERBURDEN DESCRIPTION / DESCRIPTION DU MORT TERRAIN	SAMPLE DESCRIPTION / ÉCHANTILLON	
0	3"	ORGANIC	ORGANIC / ORGANIQUE	%
3"	40'	CLAY	CLAY / ARGILE	%
40'	50'	FINE SAND	SILT / SILTE	%
50'	52'	BASAL TILL	FINE SAND / SABLE FIN	%
52'		BED ROCK	MEDIUM SAND / SABLE MED.	%
			COARSE SAND / SABLE GROS	%
			GRAVEL / GRAVIER	%
			PEBBLES / CAILLOUX	%

REMARKS:
REMARQUES:

2 ESSAIS

"401

CHIMITEC LTEE
700 Rue Nérée Tremblay. Ste-Foy Québec G1N 4H7 (418) 683-1777

Rapport de Laboratoire Géochimique

Extraction Au-HNO_3-HCl — Numéro du Rapport 6-82

Méthode F.A.-A.A. — De: E. Rosembaum

Fraction Utilisée -325 mesh — Date: 12 janvier 19 82

Numéro de l'Échantillon	Poids en grammes	Au ppb	Remarques
Hole1 1RL 1201 Lot50 Depth: 48'	10.0	L5	
Hole2 1RL 1202 Lot50 Depth: 44' L	6.35	L10	
Hole3 1RL 1203 Lot50 Depth: 36'	10.0	L5	
Hole4 1RL 1204 Lot50 Depth: 30'	10.0	L5	
Hole5 1RL 1205 Lot49 Depth: 46'	4.25	L10	
Hole6 1RL 1206 Lot48 43'	10.0	L5	
Hole7 1RL 1207 Depth: 34' L	5.05	610	
Hole8 1RL 1208 Depth: 33'	10.0	10	
Hole9 1RL 1209 Depth: 35'6"	6.45	L10	
Hole10 1RL 1210 Depth: 52'	6.10	L10	

L: Moins que.

LIMITE DE DÉTECTION (Au)

POIDS PESÉ	DÉTECTION
10 grammes	5 ppb
5 grammes	10 ppb
1 gramme	50 ppb

Ministère de l'Énergie et des Ressources
Gouvernement du Québec
Documentation Technique
DATE: 21 JAN. 1982
No. G.M.: 37983