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WORK REPORT ON THE JOUTEL-POIRIER PROPERTY

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ÉNERGIE ET RESSOURCES
SECTEUR MINES
0 1 NOV. 1988
BUREAU FEDERAL VAL D'OR

RESSOURCES ONYX INC.

WORK REPORT ON THE
JOUTEL-POIRIER PROPERTY

ÉNERGIE ET RESSOURCES
SECTEUR MINES

0 1 NOV. 1988

JOUTEL AND POIRIER TOWNSHIPS, ~~Quebec~~ Val d'Or, QUEBEC, CANADA.

Ministère de l'Énergie et des Ressources	
Service de la Géoinformation	
Date:	<u>1 1 AVR 1989</u>
No G.M.:	<u>48114</u>

VAL D'OR, QUEBEC
July 31, 1987

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WORK REPORT ON THE JOUTEL-POIRIER PROPERTY
RESSOURCES ONYX INC.

TABLE OF CONTENTS

	PAGE
SUMMARY.....	1
CERTIFICATES.....	2
INTRODUCTION.....	4
LOCATION, DESCRIPTION AND ACCESS	4
PREVIOUS WORK.....	5
GENERAL GEOLOGY OF THE AREA.....	9
GEOLOGY OF THE PROPERTY.....	11
ECONOMIC GEOLOGY.....	13
RECENT WORK.....	14
RESULTS.....	15
CONCLUSIONS AND RECOMMENDATIONS.....	22

ANNEXES :

1. BIBLIOGRAPHY
2. LIST OF ASSESSMENT WORK FILES
3. LIST OF CLAIMS

- FIGURE 1 - LOCATION MAP
FIGURE 2 - CLAIM MAP
FIGURE 3a - AEROMAGNETIC MAP
FIGURE 3b - INPUT MAP
FIGURE 4 - REGIONAL GEOLOGICAL MAP
FIGURE 5 - METALLOGENIC MAP

WORK REPORT ON THE JOUTEL-POIRIER PROPERTY
RESSOURCES ONYX INC.

MAPS IN POCKET

MAP 1: COMPILATION MAP (1:5000) ✓
MAP 2: COMPILATION MAP OF CENTRAL BLOCK (1:2500) ✓
MAP 3: COMPILATION MAP OF WEST GRID (1:1000) ✓

DIAMOND DRILL SECTIONS

BOOK II

- DRILL HOLE PARAMETERS
- DIAMOND DRILL LOGS

SUMMARY

The JOUTEL-POIRIER property consists of 26 claims located near the mining town of Joutel, in northwestern Quebec.

In 1986, a VLF anomaly located near a diabase dyke crossing the north-west corner of the property was drilled. Economic intersections of 7,2 g. Au/t on 0,7 m and 10,29 g. Au/t on 0,7 m were intersected in quartz-carbonate veins with associated carbonate-silica alteration.

In mid 1987, 21,7 km of line cutting, detailed total field intensity and vertical gradient magnetics, and a 15 hole 3 400 m. (11,000 ft.) diamond drill program were performed. Seven of the holes were drilled in the vicinity of a previous economic gold intersection (hole JO 86-7), while the rest were drilled to test other geophysical anomalies on the property.

This work produced numerous anomalous gold intersections including several ranging from 1,1 g/t Au/1,1 m. to 11,7 g/t Au/1,2 m., and a large complex magnetically anomalous zone localized by an EM-VLF anomaly. The carbonate-silica alteration pattern already associated with sulphide and gold mineralization on the property was recognized in most of the drill holes.

CERTIFICATE OF QUALIFICATION

I, Taher Alvi, of Val d'Or, in the province of Quebec, Canada, do hereby certify that;

I reside at 796, 1ère Rue, Val d'Or, Quebec.

I am a qualified geologist, having received my academic training at Concordia University in Montreal, Quebec.

I have graduated in 1986, (B.Sc.). I have been continuously engaged in my profession for the last year. I have examined the assessment work files covering the subject property and the immediate area at the resident geologist office of the Quebec Ministry of Energy and Resources in Val d'Or.

This report is based on the author's experience in exploration, on a comprehensive study of all the work records and on geological maps and reports published for the area.

I have disclosed in this report all relevant material which, to the best of my knowledge, might have a bearing on the viability of the project and the recommendations.

I have not, directly or indirectly, received or expect to receive any interest, direct or indirect, in the property of RESSOURCES ONYX INC., or beneficially own, directly or indirectly, any securities of that company. I am not an insider of a company having an interest in the subject property nor in any other property in the immediate area.



Taher Alvi, Geol., B.Sc.

July 31, 1987

CERTIFICATE OF QUALIFICATION

I, ALAIN JEAN BEAUREGARD, OF VAL D'OR, IN THE PROVINCE OF QUEBEC, CANADA, DO HEREBY CERTIFY THAT:

I reside at 168, Cadillac, Val d'or, Quebec.

I am a qualified geologist, having received my academic training at Concordia University, in Montreal, Quebec.

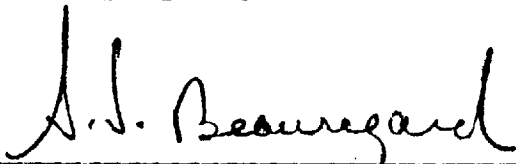
I am a Fellow of the Geological Association of Canada #F 4951 and also a member of the Association of Geologists of Quebec, of the Quebec Prospectors Association and of the Canadian Institute of Mining and Metallurgy, of the Project Management Institute (Connecticut, U.S.A.) and the Prospectors and Developers Association of Canada (P.D.A.).

I have been continuously engaged in my profession for the last 9 years. I have examined the assessment work files covering the subject property and the immediate area at the resident geologist office of the Quebec Ministry of Energy and Resources in Val d'Or and Rouyn. I have visited the property of RESSOURCES ONYX INC.

This report is based on the author's experience in exploration, on a comprehensive study of all the work records and on geological maps and reports published for the area of interest by the Quebec Department of Energy and Natural Resources and by the Geological Survey of Canada.

I have disclosed in this report all relevant material which, to the best of my knowledge, might have a bearing on the viability of the project and the recommendations.

I have not, directly or indirectly, received or expect to receive any interest, direct or indirect, in the property of RESSOURCES ONYX INC., or beneficially own, directly or indirectly, any securities of that company. I am not an insider of a company having an interest in the subject property nor in any other property in the immediate area.


ALAIN J. BEAUREGARD, Geol. B.Sc.

WORK REPORT ON THE JOUTEL-POIRIER PROPERTY
RESSOURCES ONYX INC.

4

INTRODUCTION

The Joutel-Poirier property consists of 26 claims located in northwestern Quebec (Figure 1). Exploration of the property is done by RESSOURCES ONYX INC. through a joint venture agreement with the claim owners, Kerr Addison Mines Ltd.

In 1986 and 1987, RESSOURCES ONYX INC. conducted exploratory drilling and extensive geophysical surveys including EM-VLF, Magnetics (total field and vertical gradient), Induced Polarization, and DEEPEM.

LOCATION, DESCRIPTION AND ACCESS

The Joutel-Poirier property straddles Joutel and Poirier townships, 6 km west of the town of Joutel. It consists of 26 adjacent claims, covering an area of approximately 427 ha (1 066 acres). It lies in the southwestern quarter of Joutel township and the northwestern quarter of Poirier township (Figure 2). A list of mining claims with their expiry date is given in Annex 3.

The property is easily accessible. A provincial highway going north from Val d'Or towards Matagami connects with an all seasons paved road that leads to Joutel. The same road, going west from Joutel, crosses the property in Poirier township and continues westward to the Casa Berardi area. A number of old exploration roads and trails crisscross the property in all directions.

Electricity, suppliers, contractors and qualified manpower are readily available in the area. The nearby town of Joutel (pop.: 2,500) is an old mining community.

PREVIOUS WORK

The assessment work files have been studied by the author at the geologists office of the M.E.R.Q. in Val d'Or. The previous surveys done on the property and in the immediate vicinity are listed in Annex 2, and discussed below.

The earliest record on file is a geological report by T.L. TANTON for the Geological Survey of Canada (Summary Report of the G.S.C. for 1915). In 1957, the C.G.C. published an aeromagnetic map of the area, (G.P. 520). Several companies then carried out airborne

and subsequent ground geophysical surveys which led to major discoveries.

Prospectors Airways Co. Ltd., was responsible for the discovery of the Joutel Copper Mines Ltd. copper-zinc deposit just east of the property (GM-9230). In 1959, Rio Algom Mines Ltd. discovered the Mines de Poirier copper-zinc deposit just west of the property (GM-25510).

In 1962, Prospectors Airways Co. Ltd. followed up geophysical surveys in the area with a drilling program. They outlined what is now the Agnico Eagle high grade gold deposit, 3 km north of the property under study (GM-11823).

Between 1965 and 1973, Kerr Addison Mines Ltd. realized several geophysical surveys and drilling programs on the Joutel-Poirier property (Map 1). The bulk of the work was done on the southern portion of the property, on strike with the nearby Mines de Poirier Zn-Cu deposit. Minor zinc and copper mineralization was encountered within rhyolites, fragmental rhyolites and gabbros. In 1971, following IP surveys, an anomalous area 500 metres north of the township line was drilled. Disseminated sulphides (pyrite and pyrrhotite) composing 5 to 50% of the rock occurred within

fragmental rhyolites and felsic tuffs (GM-26889, GM-27155, GM-27270). In 1973 and 1974, further IP surveys and drilling on this zone and the Poirier zone to the south failed to encounter mineralization of economic value (GM-28746, GM-28759, GM28760, GM-28782).

The M.E.R.Q. published the results of a regional INPUT survey of the area in 1976 (DP-430). Numerous anomalies occur over the two base-metal deposits bordering the property, but none within its boundaries.

In 1980, S.O.Q.U.E.M. realized a detailed study of the Joutel Copper property to the east (GM-36984). Detailed geological mapping, drill holes and a major lithogeochemical study were done. Alteration patterns were recognized in proximity with the known deposits. No economic mineralization was encountered.

In 1983, the M.E.R.Q. republished the aerial survey results (INPUT, EM, MAG) for the whole Joutel region, including the Joutel-Poirier property (DP-83-14). These surveys indicate a spatial link between geophysical anomalies and the base metal deposits. However, it must be reminded that the INPUT survey was done after the mines shut down (Figures 3a & 3b). Therefore,

infrastructures and waste ponds may have affected the results of the survey. The results of the regional geochemical (humus) survey published by the M.E.R.Q. in 1985 (DP-930) showed no significant metallic anomalies within and around the property.

In 1985-1986, the main IP line, outlined in 1971 by Kerr Addison Mines, was recut by RESSOURCES ONYX INC. to try to relocate the main IP anomalies. An IP survey was done. Following this survey, a 4 hole (3 337 feet) drilling program was conducted. A 35.0 foot massive sulphide zone was intersected by hole JO 86-1. The other holes did not intersect any interesting mineralization.

In 1986-87, RESSOURCES ONYX INC. completed 61,9 km of linecutting, 53,3 km of Magnetic and EM-VLF surveys, a Pulse-EM (DEEPEM) survey over the massive sulphide zone intersected by hole JO 86-1, and three diamond drill holes totalling 865,5 m (2 840 ft.).

The newly cut grid used the collar of hole JO 86-2 as its origin (BL 0+00, Line 0), covered the entire property except a small portion south of the central grid, and was retained for the present program. The program returned many EM-VLF anomalies, several magnetic anomalies, and 4 DEEPEM conductors. The drill

program returned poor mineralization in the central part of the property (holes JO 86-5 and JO 86-6) but hole JO 86-7 revealed economic intersections of 7,2 g. Au/t/0,7 m. and 10,29 g. Au/t/0,7 m. within quartz-carbonate veins and associated carbonate-silica alteration.

GENERAL GEOLOGY OF THE AREA

The property is located in the Joutel mining camp, in the central part of the Abitibi greenstone belt. The rocks in the area are of Archean age except for late northeasterly trending diabase dykes that cut the older rocks (Figures 4 and 5).

Mafic to acid volcanic and pyroclastic rocks intruded by felsic intrusives underlie most of the area. The rocks generally trend southeasterly (N140°) and dip steeply to the northeast. Polarity of the rocks, according to regional geology, is to the northeast. Four main volcanic sequences have been recognized in the mining camp. (A.P. Boudreault, 1981, GM-36984). From top to bottom they are:

- The Harricana Formation, which consists of massive and pillowed basalts and mafic sills.
- The Joutel Group. This group is made up of intermediate lavas, pyroclastites and rhyolites with minor amounts of sediments.
- The Poirier Formation. This sequence consists mainly of fragmental rhyolites with minor amounts of pyroclastites and intermediate volcanics. The base of the Poirier formation is host to the Cu-Zn massive sulphide deposits of the area.
- The Kistabiche Group. At the bottom of the stratigraphic column, this group comprises mostly mafic to intermediate volcanics with some pyroclastites.

Numerous concordant and discordant intrusives are present in the area and on the property itself. All the rocks are cut by northeasterly trending proterozoic diabase dykes.

Schistosity is strongly developed in the rocks of the area and generally obliterates primary features. Numerous northwest striking faults occur in the area, some of which are in close spatial relationship with sulphide deposits (Joutel Copper, Explo-Zinc).

The Harricana fault, which trends NW-SE and is located 3 km north of the area, is a major structural break with which the Agnico-Eagle Mine is associated.

The rocks have been metamorphosed to the green schist facies, demonstrated by the ubiquitous nature of chlorite.

GEOLOGY OF THE PROPERTY

The property is underlain by Archean felsic volcanics intruded by a large granitic batholith (Hinse, 1973 GM-28783) and 3 large mafic intrusive dykes.

The volcanic rocks underlying the property (Map 1) can be divided into three NW-SE trending bands (Boudreault, 1981). The southern band underlies the claims in Poirier township. Here, we find rhyolites, fragmental rhyolites, felsic tuffs and lapilli tuffs with general chloritisation and some sericite. Pyrite content is up to 5%. A large faulted gabbro dyke striking east-west divides the southern band from the central one. The central band goes from the gabbro dyke northward to the granite. It also consists of rhyolites, fragmental rhyolites and felsic tuffs, but with

less lapilli tuffs. The rocks are chloritized but little sericite is observed. Pyrite content ranges from 1 to 5%.

The northern band occupies the northeast corner of the property. It is bordered to the southwest by the granitic batholith and cut by a southeasterly trending gabbro dyke and shear zone. This band consists of felsic tuffs and lapilli tuffs of rhyolitic composition and is strongly schistosed and sericitized.

The volcanic rocks on the property have a general NW-SE trend and dip steeply NE. Schistositities generally coincide with stratigraphic trends and dips.

The granite occupying the northern half of the property, in Joutel township, belongs to the Mistawack Lake Batholith. It dips under the volcanics at 30°. In places, the granite has a border facies consisting of diorite and quartz-diorite (Boudreault, 1981).

Structurally, the volcanic rocks have been steeply folded with the fold axis striking and plunging southeast prior to being intruded by granite and basic intrusions. A number of northwest striking faults are inferred to cross the property (Hinse, 1973).

ECONOMIC GEOLOGY

The property is located in the Joutel mining camp. The rocks underlying it belong to the same volcanic formations that host nearby massive sulphide base-metal deposits (Figure 5) - Rio Algom's Poirier Mine (Zn/Cu/Ag) and Joutel Copper's Mine Joutel (Zn/Cu), both now closed. The diabase dyke in the northwest corner of the property passes through the gold producing Agnico Eagle mine 3 km. to the north.

In 1986, hole JO 86-1 intersected a 10,7 m. (35 foot) section of massive sulphides consisting of 90% pyrite-pyrrhotite and low Zn-Cu (Maps 1 and 2).

In the West Grid, detailed magnetic surveys about a strong EM-VLF anomaly identified a large area of moderate magnetic activity (Maps 1 and 3). Drilling of portions of the VLF and Magnetic anomalies have returned a wide range of gold values up to 11,7 g/t (.34 oz/t) over 1,2 m (3.9 ft). The gold values show a strong correlation with pyrite (locally chalcopyrite and galena) strings and concentrations associated with quartz-carbonate veins, usually in the most intensely altered sections of the granodiorite. Due to the spatial irregularity of the alteration

zones, no structurally controlled gold horizon has yet been discerned.

Alteration zones similar to that found in the West Grid have been found by drilling other EM-VLF anomalies on the property, but they did not coincide with substantial gold anomalies.

RECENT WORK

The following work was completed on the property in the summer of 1987:

- 1) Line cutting: 21,7 km (West Grid)
- 2) Total Field Magnetic Survey: 21,7 km
- 3) Vertical Gradient Magnetic Survey: 21,7 km
- 4) Diamond Drilling: 15 holes totalling 3 404 m. (11 168 ft.)
- 5) Chemical Whole Rock Analysis: 33 samples

The line cutting and geophysical surveys were carried out by C.D.I. Surveys Inc. of Val d'Or, Quebec; diamond drilling was completed by Les Forages du Nord de Val d'Or; supervision and drill core logging was done by personnel from GEOLOGICA Groupe-

Conseil of Val d'Or. All chemical analyses were completed by Chimitec Ltée of Quebec.

RESULTS

1) Line Cutting

A line cutting contract was carried out to produce a series of lines at 25 m intervals and chained at 12,5 m stations using the old grid baseline between lines 14+00W and 21+00W and stations 0+00 and 7+00N. The grid is referred to as the "West Grid" and is found in the northwest portion of the property. A total of 21,7 km were cut and chained in this area.

2) Magnetic Survey

Total field intensity and vertical gradient magnetic surveys were carried out over the West Grid survey lines at 12,5 m intervals. The survey defined an area of moderate magnetic activity just east of the northeasterly trending magnetic signature of the diabase dyke. Much of the diamond drilling was subsequently performed in this area. Detailed results of the magnetic survey

are presented in the Geophysical Report by C.D.I. Surveys Inc. (July, 1987).

3) Diamond Drilling

Following exploratory drilling in early 1987, a follow up drill program was started in May 1987 to further define mineralized sections and test other geophysical (EM-VLF) targets. The following is a brief description of the results (see Book II):

West Grid (Map 3): the area now known as the West Grid was drilled in 2 phases. The first phase, consisting of holes JO 87-1 to JO 87-3 was done to follow up the gold intersections found in hole JO 86-7 while drilling an EM-VLF anomaly.

The holes contain mesocratic, medium grained granodiorite dissected by several spatially irregular carbonate-silica alteration zones of varying intensity. The alteration zones contain numerous quartz-carbonate veins and stringers with minor associated amounts of fine, disseminated pyrite. Rare pyrite veins and stringers are usually found in sections yielding the highest gold values. All holes were drilled at 220° Az with dips of -50° and lengths between 185 and 250 meters (600 to 820 feet).

Samples from these holes yielded 6 assays over 1 g/t Au, the best being 11,7 g/t Au over 1,2 m.

The second phase of West Grid drilling was done upon the completion of a detailed total field and vertical gradient magnetic survey. Holes JO 87-7 to JO 87-10 drilled various portions of a large, complex, magnetic anomaly. These holes contain rocks identical to those found in the first phase of drilling. Hole orientations and lengths varied (see DRILL HOLE PARAMETERS Book II).

Samples from these holes yielded 3 assays over 1 g/t Au, the best being 3,36 g/t Au over 1,0 m.

Holes drilled on the other parts of the property are:

JO 87-4: was drilled to investigate an EM-VLF anomaly. The hole consists primarily of massive diorite, although several carbonate-silica alteration intervals are seen. The most intense alteration occurs in the upper 1/3 of the hole, which also contains varying amounts (1-20%) of disseminated pyrite. An indistinct shear zone marked by fracturing and foliation in the middle 1/3 of the hole may account for the EM-VLF anomaly.

JO 87-5: was drilled to investigate an EM-VLF anomaly. The hole appears to intersect, at an acute angle, an irregular and possibly sheared contact between intrusive (diorite/granodiorite) and extrusive (rhyolite/basalt/andesite) rocks. Carbonatization and silicification is apparent throughout the hole and is in most cases caused by the emplacement of diorite dykes. Sulphide mineralization is rare. A small sub-economic anomalous gold zone was encountered in the upper part of the hole. The EM-VLF anomaly is the result of shearing, alteration, and minor hematite found midway through the hole.

JO 87-6: was drilled to investigate an EM-VLF anomaly. The hole contains granodiorite with several carbonate-silica alteration zones. Sulphide mineralization is sparse and no anomalous gold zones were found. The EM-VLF anomaly is probably produced by a combination of minor shears and strong alteration in the mid to lower parts of the hole.

JO 87-11: was drilled to test an EM-VLF anomaly. The hole contains granodiorite in the middle and diorite at the top and bottom. Several carbonate-silica alteration zones are present. No significant metallic mineralization was found. The EM-VLF

response may be caused by the granodiorite-diorite contact and surrounding alteration zones.

JO 87-12: was drilled to test an EM-VLF anomaly. The hole contains granodiorite with a short carbonate-silica alteration zone. The EM-VLF response was not explained.

JO 87-13: was drilled to test a combined EM-VLF and Magnetic anomaly. The hole contains highly sheared and altered felsic extrusives and mafic intrusives, as well as gabbro. The anomalies are due to a shear zone and magnetic gabbro unit.

JO 87-14: was drilled to test an EM-VLF anomaly. The hole contains rhyolite and a thin band of carbonatized rhyolite. The anomaly was not explained.

JO 87-15: was drilled to test an EM-VLF anomaly. The hole contains rhyolite similar to that in hole JO 87-14, and a band of sheared rhyolite. This shear zone is responsible for the EM anomaly.

5) Lithogeochemical Analyses

A total of 33 major element and neutron activation whole rock analyses were performed on core samples from holes drilled on the West Grid. These analyses are being performed in an attempt to correlate chemically the gold bearing zones. Preliminary results so far received are inconclusive.

Discussion of Results

The summer '87 diamond drill program returned encouraging results from the West Grid portion of the property. First phase drilling of an EM-VLF anomaly yielded several strong gold intersections, thus prompting a detailed magnetic survey. Drilling of magnetic anomalies produced by this survey failed to return sufficient gold values to warrant further work.

Neither the EM-VLF nor the detailed magnetic anomalies, which do not coincide or correlate, have been definitively explained by the drilling, although they are thought to be caused by shearing, evidence of which has been largely masked by the strong local alteration. From the sizes and orientations of the magnetic and EM-VLF anomalies, and the sizes and intensities of alteration

zones, it appears that the alteration originated to the north, probably in the diabase dyke then migrated southward along a zone defined by the magnetic anomaly, with an eastward branch just north of the EM-VLF anomaly. A roughly northwest striking sub-vertically dipping structural trend is seen in some areas. Mineralization seems too highly localized to be of economic interest.

Drill holes on other parts of the property have not returned results sufficient to warrant further exploration of the tested geophysical anomalies.

Evidence gathered from holes JO 87-4 and JO 87-5 suggests a locally sheared and faulted contact between the intrusive batholith and surrounding volcanic rocks (Maps 1 and 2).

Hole JO 87-13 indicates a wide shear zone along the north contact of the northern gabbro dyke (Map 1).

The volcanic rocks in the southern part of the property belong to the same formations hosting the nearby Joutel Copper Mine, Poirier Mine, and Explo Zinc discovery. These rocks have a general NW-SE trend and dip steeply to the northeast. A faulted

gabbro dyke arcing between the Poirier Mine and Explo Zinc discovery cuts across the southern part of the property. Mineralization in the Poirier Mine is apparently unrelated to this dyke. A diabase dyke in the northwestern part of the property cuts through a volcano-sedimentary band 3 km to the north to form the southeast limit of the gold producing Agnico Eagle mine. Ore zones in the Poirier Mine trend northwest and are located immediately to the southwest of the property. Previous lithogeochemical sampling of the volcanic rock east of the property, in the area of the Joutel Copper Mine, have not revealed economic values.

CONCLUSIONS AND RECOMMENDATIONS

Following the results obtained from the recent drill program, it is apparent that no substantial gold deposit has yet been found in any of the areas investigated.

The following recommendations should be followed before any final decision concerning a withdrawal from that property:

I) GEOCHEMISTRY:

A geochemical study of all the alterations should be realized in the southern part of the property including "Indice Marcotte", Jensen cation plots, $\text{Na}_2\text{O}/\text{K}_2\text{O}$ and Fe/Mg ratios. Holes JO 86-1 to JO 86-6 and JO 87-5 should be sampled.

A correlation between Au and all the alterations should be done in all the mineralized holes encountered in the northern part of the property where the batholith hosts the mineralization. Holes JO 86-7 and JO 87-1 to JO 87-3 should be sampled.

II) GEOLOGY:

A detailed geological survey of the southern half of the property (volcanics) should be completed with an emphasis on the structure and the alterations found on the outcrops. All the casings found should be carefully localized for further bore hole geophysical test (DEEP-EM).

III) GEOPHYSICS:

A systematic IP survey on the remaining lines of the southern part of the grid should be completed (X=25 m. n=1,2,3,4). Profile maps, resistivity maps and polarization maps should be completed of the southern half of Range I of Joutel township from L-7W to L-13E of the cut grid.

Following the necessary tests, a gravity survey should be completed to isolate dense sulfide lenses:

L-3W	from station	7S to 4N
L-0+00	from station	9S to 4N
L-3+00E	from station	12S to BL 0+00
L-6+00E	from station	14S to 4S
L-9+00E	from station	11S to 4S

V) A DETAILED GEOSCIENTIFIC COMPILATION at a scale of 1:1000 should be completed on the southern part of the property including geological, structural, lithogeochemical, geophysical (mag, EM, electrical, gravity, etc...) and drill hole correlations and interpretations.

VI) If casings are found, we should keep in mind a DEEP EM (crone) borehole geophysical survey in the central and southern parts of the property.

VII) A reinterpretation of the aerial geophysical surveys (QUESTOR and/or AERODAT) should be completed from the already existing numerical data.

VIII) Drilling of the best targets found should be realized once the interpretations, correlations and geoscientific compilation are completed. The drilling program should nevertheless be oriented towards deeply located targets (>1000'). A provision of a minimum of 5000 feet should be considered.

Respectfully,

Taher Alvi

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RESSOURCES ONYX INC.

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WORK REPORT ON THE JOUDEL-POIRIER PROPERTY
RESSOURCES ONYX INC.

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WORK REPORT ON THE JOUDEL-POIRIER PROPERTY
RESSOURCES ONYX INC.

ANNEX 2: LIST OF ASSESSMENT WORK FILES

- GM 009230 PROSPECTORS AIRWAYS CO. LTD., JOUDEL TOWNSHIP,
QUEBEC, 29 DDH LOGS, BY E.O. CHISHOLM, 1960, GM
9230, 85P, 30 SKETCHES, 1 4 800
32E/08, 0404,2
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POIRIER TOWNSHIPS, QUEBEC, REPORT ON AIRBORNE
GEOPHYSICAL SURVEY, BY GRESHAM EXPLORATION LTD.,
1960, GM 9838, 7P, 1 PLAN, 1/31 680
32E/08, 0301, 0302, 0401, 0402,3
- GM 009883 PROSPECTORS AIRWAYS CO. LTD., POIRIER AND JOUDEL
TOWNSHIPS, QUEBEC, REPORT ON ELECTROMAGNETIC
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32E/08, 0401, 0402, **, 0402,3
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BY G. MATHESON, 1960, GM 10223, 1P, 1 PLAN, 1/4800
32E/08, 0401, 0402, **, 0402,3
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QUEBEC, PROSPECT DE CUIVRE ET ZINC - RAPPORT PAR
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BROWN, 1961
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32E/08, 0402, **, 0402,3

WORK REPORT ON THE JOUTEL-POIRIER PROPERTY
RESSOURCES ONYX INC.

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GEOLOGICAL REPORT, BY E.W. BAZINET, 1962, GM
12693, 1P, 1 MAP, 1/4 800
32E/08, 0402,3
- GM 012953 PROSPECTORS AIRWAYS CO. LTD., POIRIER TOWNSHIP,
QUEBEC, 1 DDH LOG, BY H.A. CARSON, 1963, GM 12953,
2P, 1 SKETCH, 1/4 800
32E/08, 0402,1
- GM 015978 KERR ADDISON MINES, POIRIER TOWNSHIP, QUEBEC,
INFORMATION LETTER AND 1 DDH LOG, BY E.C. JACKS &
H. WEISS, 1965, GM 15978, 11P, 1 SKETCH, 1/4 800
32E/08, 0401,1
- GM 016357 KERR ADDISON MINES LTD., POIRIER AND JOUTEL TWPS,
QUEBEC, 3 DDH LOTS, BY ANONYMOUS AUTHOR, 1965, GM
16357, 12 P, 3 SKETCHES, 1/ 4 800
32E/08, 0402, **, 0402, **, 0402,1
- GM 026889 KERR ADDISON MINES LTD., JOUTEL AND POIRIER TWPS,
QUEBEC, REPORT ON INDUCED POLARIZATION SURVEYS, BY
G. HINSE, 1971, GM 26889, 9P, 1 PLAN, 9 PROFILE
SKETCHES, 1/3 600, 1/4 800
32E/08, 0401, 0402,3
- GM 026985 KERR ADDISON MINES LTD., JOUTEL TOWNSHIP, QUEBEC,
REPORT ON GEOPHYSICAL SURVEYS BY G. HINSE, 1971,
GM 26985, 8 PLANS, 22 PROFILE SKETCHES, 1/2 400,
1/4 800
32E/08, 0402,1
- GM 027155 KERR ADDISON MINES LTD., JOUTEL TWP, QUEBEC, 3 DDH
LOGS, BY G. HINSE, 1971, GM 27155, 6P, 2 SKETCHES,
1/4 800
32E/08, 0401, **, 0402,1

WORK REPORT ON THE JOUTEL-POIRIER PROPERTY
RESSOURCES ONYX INC.

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- GM 028251 KERR ADDISON MINES LTD., JOUTEL TWP, QUEBEC, REPORT ON MAGNETOMETER SURVEY, BY G. HINSE, 1972, GM 28051, 3P, 1 PLAN, 1 SKETCH, 1/2 400 32E/08, 0302,1
- GM 028412 GEOLOGY OF SOUTH WESTERN JOUTEL TOWNSHIP AND NORTHWESTERN POIRIER TOWNSHIP, BY R. KELLY, 1963, GM 28412, 1 MAP, 2/1 200
- GM 028481 KERR ADDISON MINES LTD., POIRIER TOWNSHIP, QUEBEC, REPORT ON ELECTROMAGNETIC SURVEY, BY G. HINSE, 1972, GM 28481, 4P, 1 PLAN, 1 SKETCH, 1/2 400, 1/253 440 32E/08, 0301,1
- GM 028493 KERR ADDISON MINES LTD., POIRIER TWP, QUEBEC, REPORT ON MAGNETIC AND EM SURVEYS, BY G. HINSE, 1973, GM 28493, 5P, 1 MAP, 1 SKETCH, 1/2 400 32E/08, 0302,3
- GM 028746 KERR ADDISON MINES LTD., POIRIER TWP, QUEBEC, REPORT ON GEOPHYSICAL SURVEYS AND 1 DDH LOG, BY G. HINSE, 1973, GM 28746, 6P, 1 MAP, 2 SKETCH MAPS, 12 1 P PROFILE SKETCHES 1/2 400, 1/31680
- GM 028759 KERR ADDISON MINES LTD., POIRIER TOWNSHIP, QUEBEC, ASSESSMENT REPORT AND 1 P RESULTS, BY G. HINSE, 1973, GM 28759, 4P, 1 PLAN, 12 SKETCHES, 1/2 400, 1/31 680 32E/08, 0301,1

WORK REPORT ON THE JOUTEL-POIRIER PROPERTY
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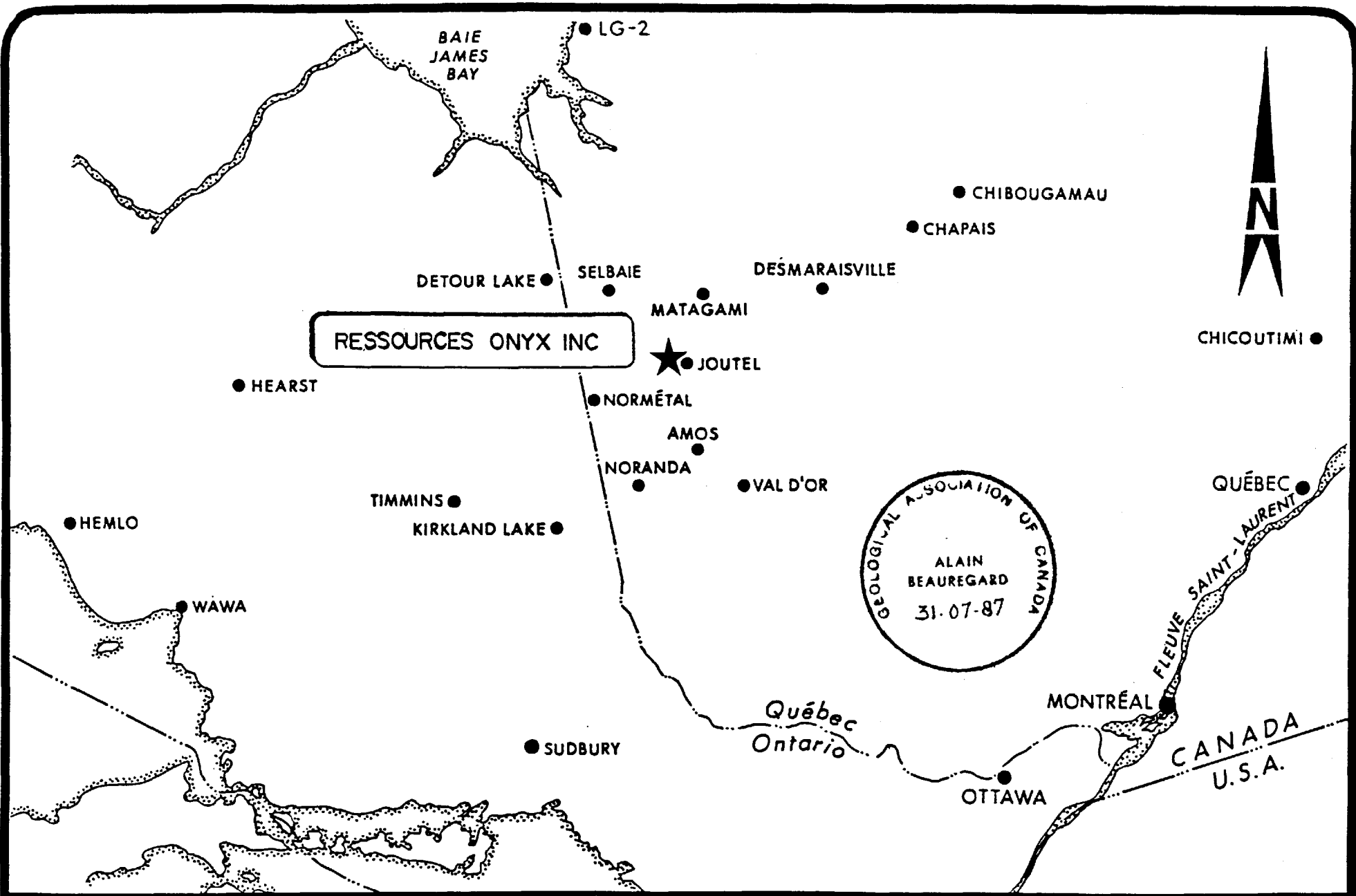
- GM 028760 KERR ADDISON MINES LTD., POIRIER TOWNSHIP, QUEBEC,
1 DDH LOG, BY G. HINSE, 1973, GM 28760, 1P, 1
SECTION SKETCH, 1/1 200
32E/08, 0301,3
- GM 028782 KERR ADDISON MINES LTD., JOUTEL TOWNSHIP, QUEBEC,
4 DDH LOGS, BY G. HINSE, 1973, GM 28782, 9P, 3
SKETCHES, 1/1 200
32E/08, 0402,3
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ASSESSMENT REPORT, BY G. HINSE, 1973, GM 28783,
4P, 1 MAP, 25 SKETCHES, 1/4 800
32E/08, 0401, 0402,3
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PROJET KISTABICHE, PAR A.P. BOUDREAUULT, 1981, GM
36984, 196-, 8 CARTES, 1/400, 1/1 000, 1/5 000
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M.E.R., 1981, GM 37833, 2P

WORK REPORT ON THE JOUTEL-POIRIER PROPERTY
RESSOURCES ONYX INC.

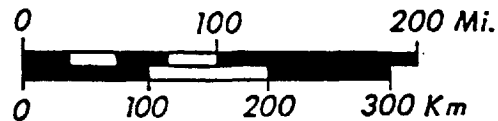
ANNEX 3: CLAIM LIST

<u>CLAIMS</u>	<u>TOWNSHIP</u>	<u>AREA</u>	<u>EXPIRY DATE</u>
161087 1-5	Joutel	80 hectares	April 26
164799 1-2	Joutel	32 hectares	April 24
164796 1-5	Joutel	80 hectares	April 24
164800 1-5	Joutel	80 hectares	April 25
164801 1-5	Joutel	80 hectares	April 23
164797 1-4	Poirier	75 hectares	April 25

The property consists of 26 claims covering an area of 427 hectares (1 066 acres) in the townships of Joutel and Poirier, in northwestern Quebec.

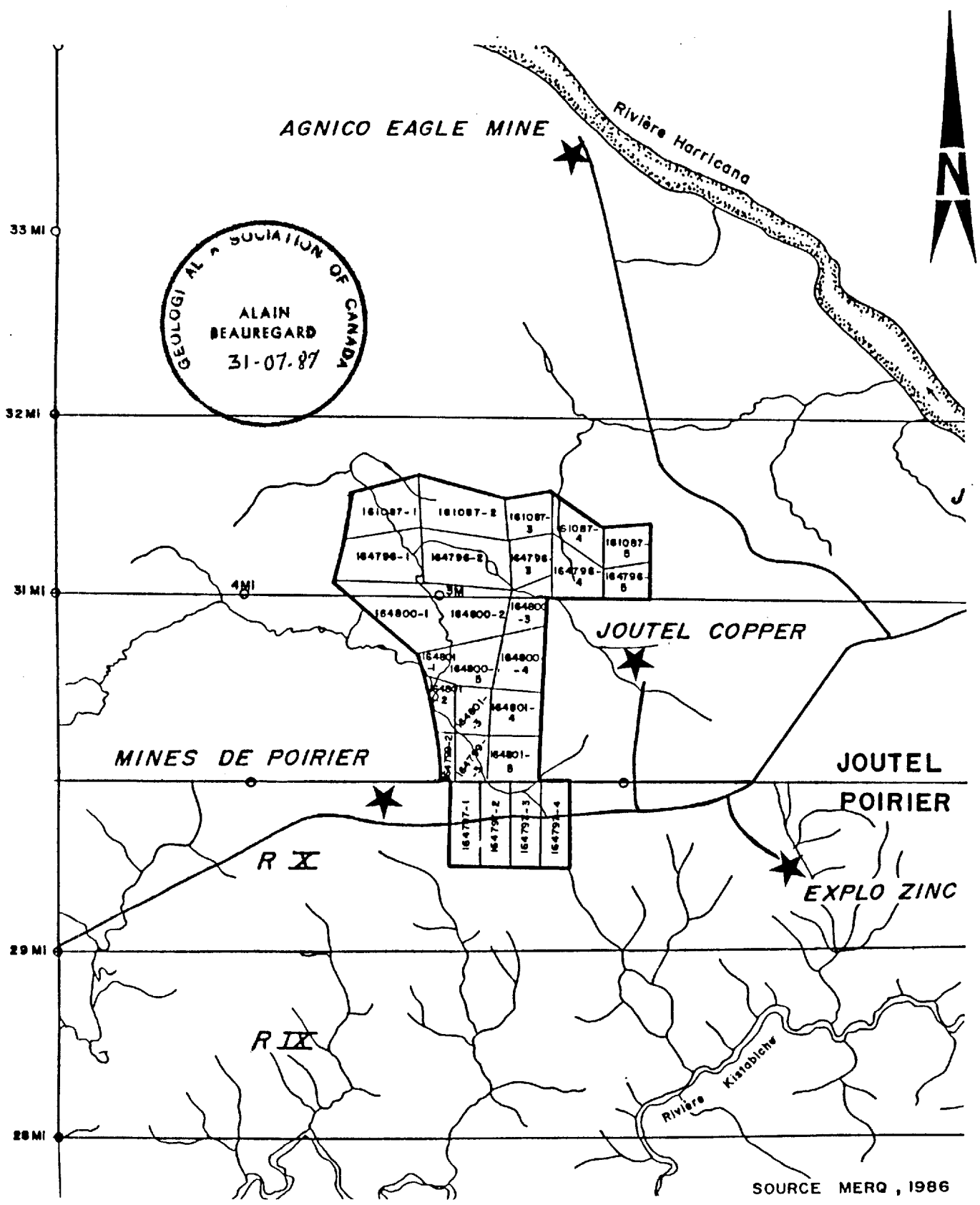


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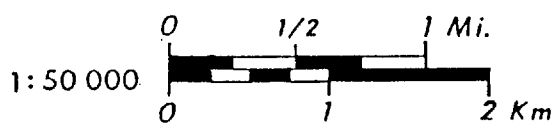
**CARTE DE LOCALISATION
LOCATION MAP**

Figure N° 1



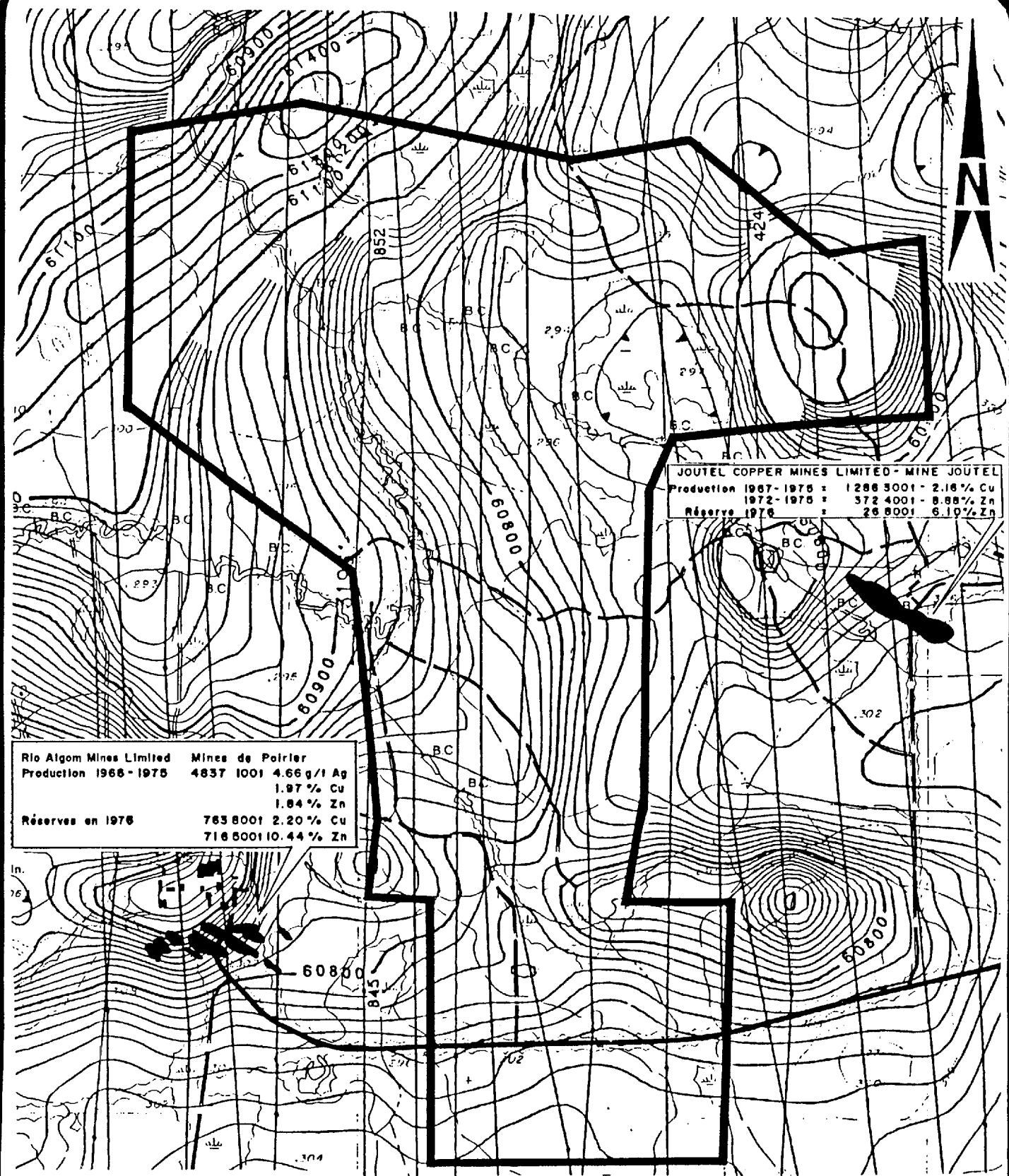
G E O L O G I C A I N C .
 A L A I N
 B E A U R E G A R D
 3 1 - 0 7 - 8 7
 C A N A D A

GEOLOGICA INC.



CARTE DE CLAIMS
CLAIM MAP

Figure N°2

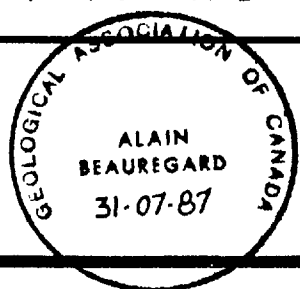
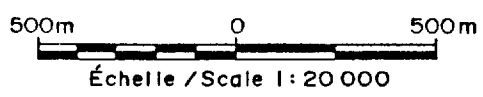


Rio Algom Mines Limited	Mines de Poirier
Production 1966-1975	4637 1001 4.66 g/l Ag
	1.97 % Cu
	1.94 % Zn
Réserves en 1976	763 8001 2.20 % Cu
	716 6001 10.44 % Zn

JOUTEL COPPER MINES LIMITED - MINE JOUTEL	
Production 1967-1976	= 1286 3001 - 2.16 % Cu
1972-1976	= 372 4001 - 8.88 % Zn
Réserves 1976	= 26 8001 6.10 % Zn

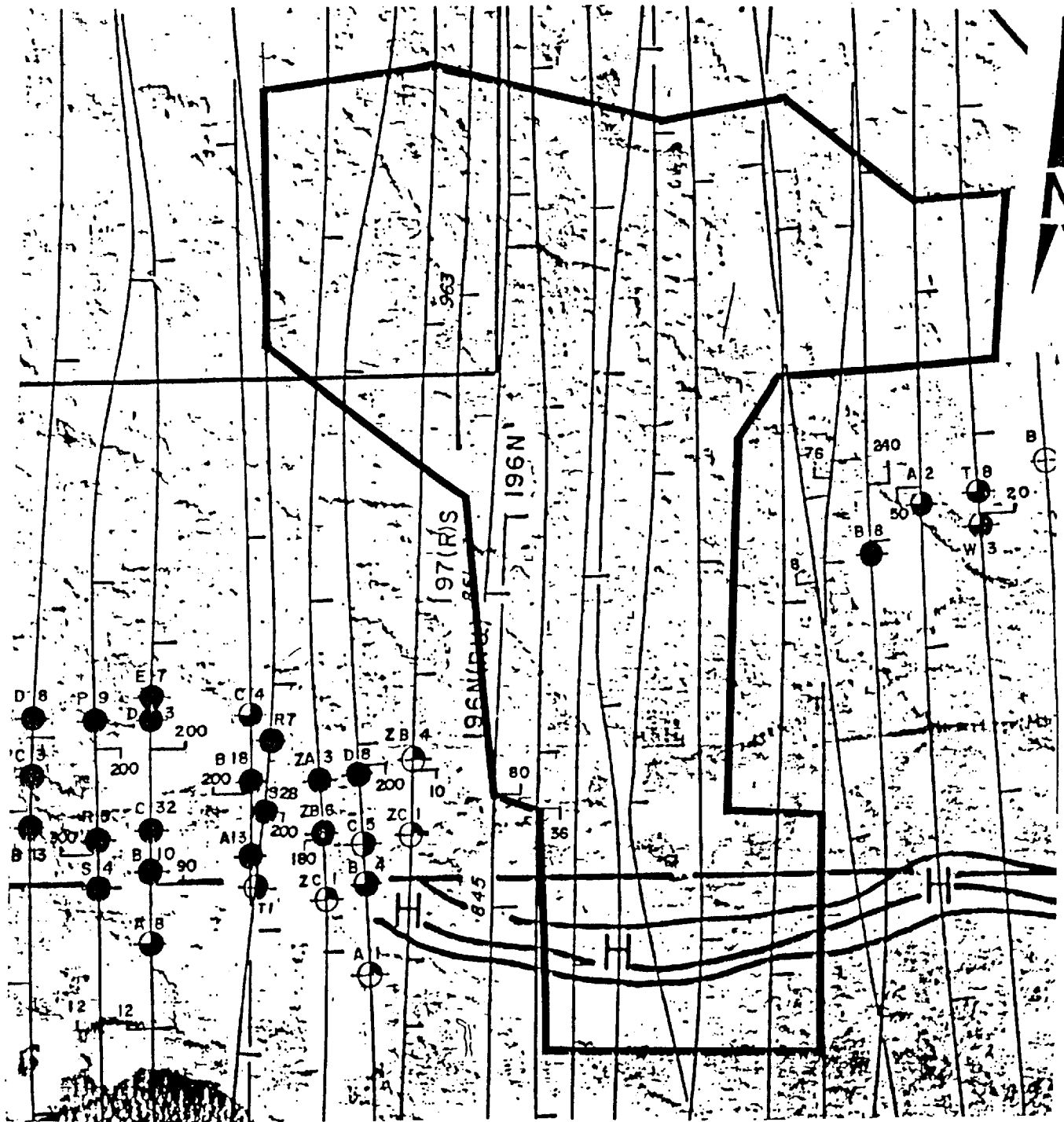
Source: M.E.R.O. DP - 83-14

GEOLOGICA INC.



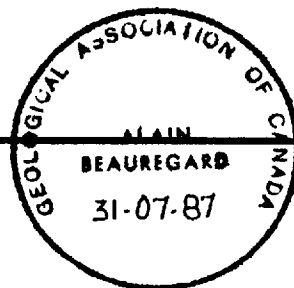
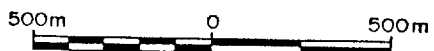
CARTE AÉROMAGNÉTIQUE
AEROMAGNETIC MAP

Figure N° 3a



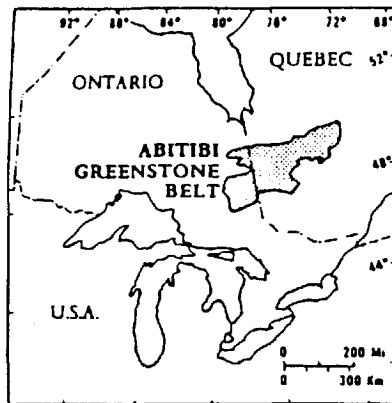
Source : DP- 83-14 M.E.R.Q. (Input survey)

GEOLOGICA INC.



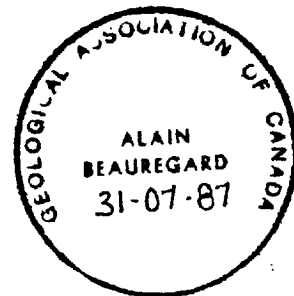
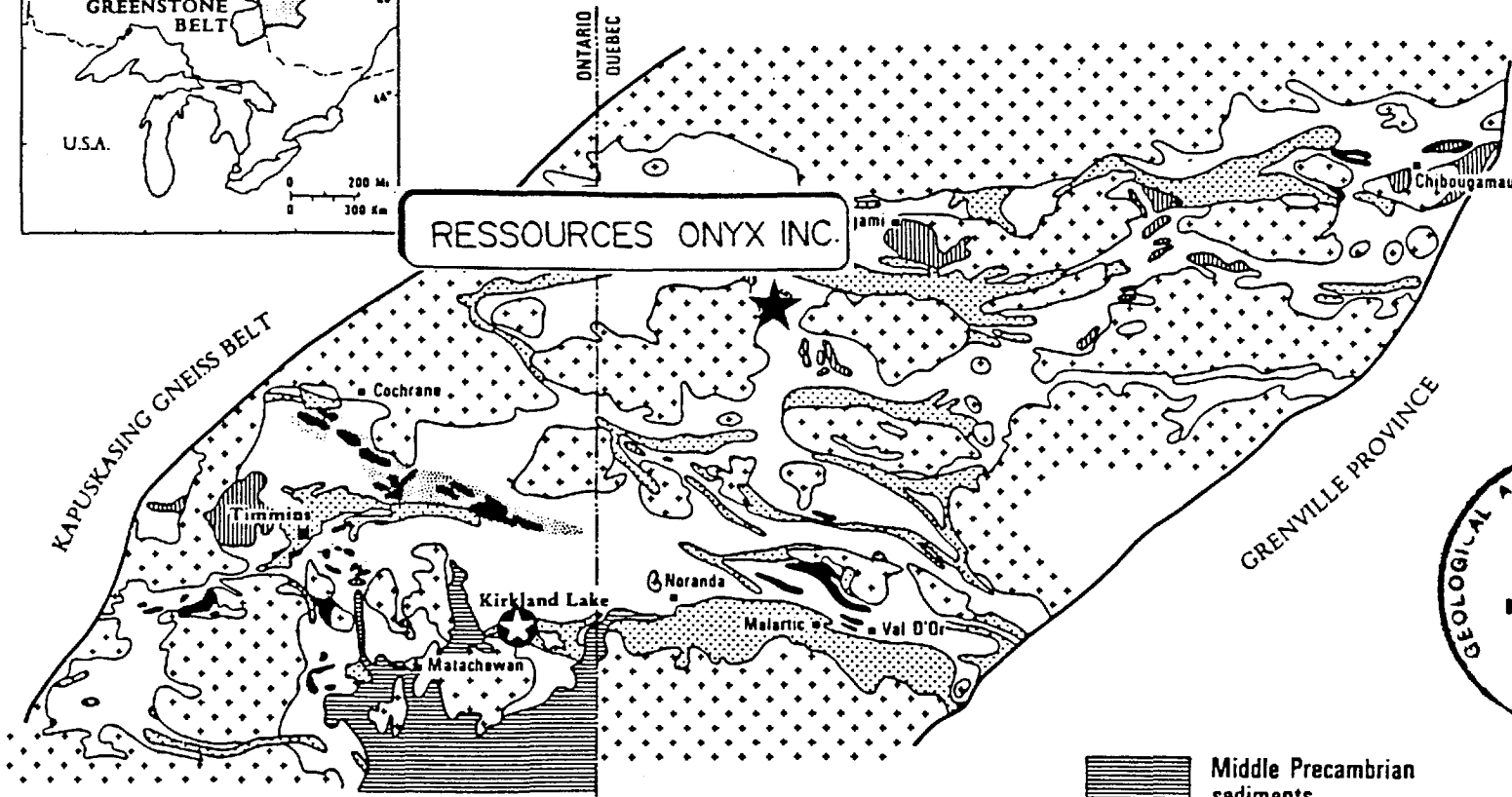
Carte EM-Input Map

Figure N° 3b



Abitibi Greenstone Belt

RESSOURCES ONYX INC.



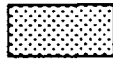
Granitic rocks



Mafic intrusions



Ultramafic rocks



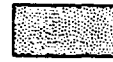
Early Precambrian sediments



Middle Precambrian sediments



Volcanics



Munro Group

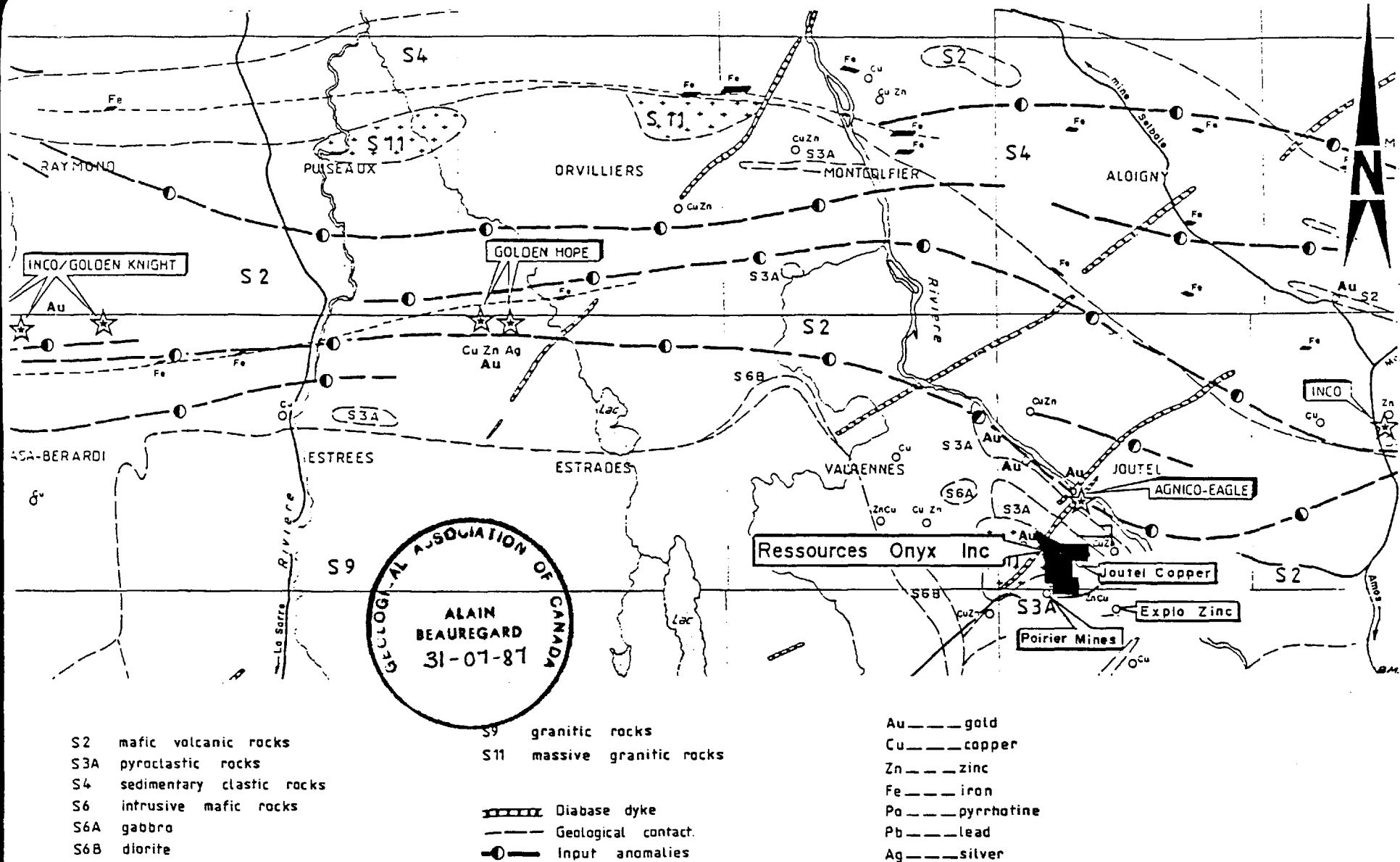
(Goodwin and Ridler, 1970)

GEOLOGICA INC.



CARTE GÉOLOGIQUE
DE LA CEINTURE ABITIBIENNE

Figure N° 4



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MÉTALLOGENIC MAP

Figure N° 5

WORK REPORT ON THE JOUTEL-POIRIER PROPERTY
RESSOURCES ONYX INC.

MAPS IN POCKET

- MAP 1: COMPILATION MAP (1:5000)
MAP 2: COMPILATION MAP OF CENTRAL BLOCK (1:2500)
MAP 3: COMPILATION MAP OF WEST GRID (1:1000)

DIAMOND DRILL SECTIONS



GEOLGICA

GROUPE · CONSEIL

M.E.R.
SECTEUR MINES
PROVINCE QUÉBEC
88 NOV 15 09 17

RESSOURCES ONYX INC.

ADDENDUM TO WORK REPORT ON THE
JOUTEL-POIRIER PROPERTY
(JULY 31, 1987)

Ministère de l'Énergie et des Ressources
Service de la Géoinformation

11 AVR 1989

Date: _____

No G.M.: 48114

JOUTEL AND POIRIER TOWNSHIPS, QUEBEC, CANADA

August 1987

Taher Alvi, Geol., B.Sc.

*Dist. 00749
TM 88 319 038*

**ÉNERGIE ET RESSOURCES
SECTEUR MINES**

01 NOV. 1988

Bureau régional Val d'Or

ADDENDUM TO REPORT ON THE JOUTEL-POIRIER PROPERTY
RESSOURCES ONYX INC.

TABLE OF CONTENTS

Introduction

Methodology

Conclusions

Annexes:

I. Sample Number Equivalents

II. Analysis Results

INTRODUCTION

In addition to extensive gold assays, a series of Major Element and Whole Rock chemical analyses were performed on select samples from drill holes on the West Grid portion of the property. These analyses were performed to determine a chemical signature of the anomalous gold intersections, correlate the alteration zones, and to investigate the possibility of mineralization other than gold. An extremely limited number of samples were taken, as it was assumed that more extensive lithochemical analyses would be performed at a later date.

METHODOLOGY

Samples were taken from gold bearing intersections, principal alteration zones, and unaltered host rock. The gold bearing samples were collected over core lengths of under 1 m in order to precisely capture the rock chemistry in the vicinity of the widely spaced gold bearing sulphides veins. Other samples were taken over slightly longer core lengths.

Major Element analyses were performed by Plasma Emission while Whole Rock analyses were performed by Neutron Activation. All analyses were done by Chimitec Ltée. of Ste-Foy, Quebec.

CONCLUSIONS

The data indicates a strong correlation between high gold values and high Ag - As - Fe - Zn - Co - Cd values. The gold bearing

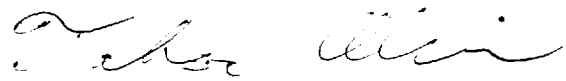
zones also show a depletion in SiO_2 and MgO .

No clear chemical signature is evident for the alteration zones, although MgO depletion can be used as an indicator of the degree of alteration where zones of strongest alteration show the highest depletion.

What has up to now been identified as a Potassic Alteration zone shows K_2O depletion rather than enrichment. It also shows CaO , Fe_2O_3 , and TiO_2 depletion, strong enrichment in SiO_2 , as well as enrichment in Thorium.

The Whole Rock analyses reveal strong enrichment in Zn and Ag in gold bearing samples, suggesting the possibility of a precious-base metal deposit.

Cordially,



Taher Alvi, Geol., B.Sc.

TA/f1

ADDENDUM TO REPORT ON THE JOUTEL-POIRIER PROPERTY
RESSOURCES ONYX INC.

ANNEX I: Au ASSAY - LITHOGEOCHEMICAL ANALYSIS
SAMPLE NUMBER EQUIVALENTS

<u>HOLE</u>	<u>Au ASSAY SAMPLE</u> <u>(FROM DRILL LOG)</u>	<u>EQUIVALENT LITHOGEOCHEMICAL</u> <u>ANALYSIS SAMPLE</u>
JO 87-8B	87792	156 435
	87800	156 436
	87786	156 437
	87833	156 438
	87887	156 439
	87858	156 440
JO 87-2	104380	156 441
	104466	156 442
	104405	156 443
	104423	156 444
JO 87-1	104303	156 445
	104332	156 446
	104350	156 447
JO 86-7	104233	156 448
	104250	156 449
	104223	156 450
	104225	156 451
JO 87-9	156054	167 051
	156064	167 052
	156069	167 053
	156079	167 054
	156105	167 055
	156250	167 056

ADDENDUM TO REPORT ON THE JOUTEL-POIRIER PROPERTY
RESSOURCES ONYX INC.

<u>HOLE</u>	<u>Au ASSAY SAMPLE</u> <u>(FROM DRILL LOG)</u>	<u>EQUIVALENT LITHOGEOCHEMICAL</u> <u>ANALYSIS SAMPLE</u>
JO 87-10	156525	167 057
	156520	167 058
	156530	167 059
JO 87-7	87476	167 060
	87489	167 061
	87773	167 062
	87776	167 063
JO 87-3	87006	167 064
	87032	167 065
	87072	167 066

ADDENDUM TO REPORT ON THE JOUTEL-POIRIER PROPERTY
RESSOURCES ONYX INC.

ANNEX II

LITHOGEOCHEMICAL ANALYSIS RESULTS

RAPPORT: 037-3239 (COMPLET)

INFO. DE RÉFÉRENCE: P.O. 105764

CLIENT: RESSOURCES ONYX INC.
 PROJET: JOUHEL

SOU MIS PAR: T.A.
 DATE DE L'IMPRESSION: 20-JUL-87

COMMANDE	ÉLÉMENT	NOMBRE LIMITE INFÉRIEURE		EXTRACTION	MÉTHOD
		D'ANALYSES	DE DETECTION		
1	SiO2 Silica (SiO2)	17	0.01 PCT	FUSION METABORATE	EMISSION-PLASMA
2	TiO2 Titane (TiO2)	17	0.01 PCT	FUSION METABORATE	EMISSION-PLASMA
3	Al2O3 Alumine (Al2O3)	17	0.01 PCT	FUSION METABORATE	EMISSION-PLASMA
4	Fe2O3* Fer Total (Fe2O3)	17	0.01 PCT	FUSION METABORATE	EMISSION-PLASMA
5	MnO Manganese (MnO)	17	0.01 PCT	FUSION METABORATE	EMISSION-PLASMA
6	MgO Magnesium (MgO)	17	0.01 PCT	FUSION METABORATE	EMISSION-PLASMA
7	CaO Calcium (CaO)	17	0.01 PCT	FUSION METABORATE	EMISSION-PLASMA
8	Na2O Sodium (Na2O)	17	0.01 PCT	FUSION METABORATE	EMISSION-PLASMA
9	K2O Potassium (K2O)	17	0.03 PCT	FUSION METABORATE	EMISSION-PLASMA
10	P2O5 Phosphore (P2O5)	17	0.03 PCT	FUSION METABORATE	EMISSION-PLASMA
11	LOI Perte au Feu	17	0.01 PCT		Gravimétrie
12	Total Elém Majeurs	17	0.01 PCT		

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
D CAROTTE DE FORAGE	17	2 -150	17	Concas, Pulvériser	17

COPIES DU RAPPORT A: 53, RUE ALLARD
 GEOLOGICA INC.

FACTURE A: 53, RUE ALLARD

RAPPORT: 037-3239

PROJET: JOUHEL

PAGE: 1

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3* PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	P2O5 PCT	LOI PCT	Total PCT
D2 156435		76.40	0.12	11.80	1.60	0.02	0.24	1.40	4.57	1.09	0.08	1.60	98.92
D2 156436		73.80	0.28	11.70	1.95	0.05	0.48	2.25	4.40	1.10	0.18	2.30	98.49
D2 156437		71.10	0.47	13.90	3.60	0.06	0.46	1.91	4.47	1.68	0.14	2.20	99.99
D2 156438		69.30	0.41	12.80	4.54	0.10	0.79	3.59	3.67	1.62	0.19	3.30	100.31
D2 156439		69.70	0.48	13.80	3.97	0.06	0.74	2.60	4.68	1.42	0.20	1.50	99.15
D2 156440		68.60	0.50	13.70	3.89	0.07	0.69	2.94	3.70	1.76	0.18	3.20	99.23
D2 156441		63.50	0.40	12.00	10.30	0.08	0.54	2.44	4.04	1.25	0.19	4.10	98.84
D2 156442		69.10	0.38	14.00	4.78	0.08	0.62	2.25	4.21	1.90	0.23	2.20	99.75
D2 156443		66.80	0.46	14.10	5.36	0.07	0.64	2.66	4.80	1.67	0.20	2.40	99.16
D2 156444		67.30	0.49	13.50	4.00	0.07	0.73	3.16	3.84	1.64	0.22	3.20	98.15
D2 156445		69.50	0.43	13.30	3.08	0.07	0.38	3.14	3.80	1.81	0.14	2.70	98.35
D2 156446		68.10	0.43	13.40	5.35	0.04	0.46	1.78	4.68	1.52	0.20	2.50	98.46
D2 156447		68.40	0.49	13.60	3.40	0.08	0.62	2.33	3.78	2.36	0.21	3.00	98.17
D2 156448		69.20	0.44	12.60	5.48	0.05	0.56	2.38	4.29	1.48	0.16	2.50	99.14
D2 156449		68.80	0.45	13.00	3.57	0.08	0.73	3.29	4.32	1.62	0.17	4.20	100.23
D2 156450		72.70	0.31	12.80	3.12	0.04	0.38	1.84	4.92	1.15	0.12	1.70	99.08
D2 156451		68.00	0.59	14.80	4.70	0.04	0.98	1.88	5.43	0.88	0.22	1.90	99.42

RAPPORT: 137-3239 (COMPLET)

INFO. DE RÉFÉRENCE: P.O. 105767

CLIENT: RESSOURCES ONYX INC.

SOU MIS PAR: T.A.

PROJET: JOUTEL

DATE DE L' IMPRESSION: 18-AUG-87

COMMANDE	ÉLÉMENT	NOMBRE D'ANALYSES	LIMITE INFÉRIEURE DE DÉTECTION	EXTRACTION	MÉTHODE
1	Au Or	17	2 PPB		Act. Neutronique
2	Sb Antimoine	17	0.1 PPM		Act. Neutronique
3	As Arsenic	17	0.5 PPM		Act. Neutronique
4	Ba Barium	17	50 PPM		Act. Neutronique
5	Cd Cadmium	17	5 PPM		Act. Neutronique
6	Cs Cesium	17	0.5 PPM		Act. Neutronique
7	Cr Chrome	17	20 PPM		Act. Neutronique
8	Co Cobalt	17	5 PPM		Act. Neutronique
9	Eu Europium	17	1 PPM		Act. Neutronique
10	Hf Hafnium	17	1 PPM		Act. Neutronique
11	Ir Iridium	17	50 PPM		Act. Neutronique
12	Fe Fer	17	0.2 PCT		Act. Neutronique
13	La Lanthane	17	2 PPM		Act. Neutronique
14	Mo Molybdène	17	1 PPM		Act. Neutronique
15	Ni Nickel	17	20 PPM		Act. Neutronique
16	Rb Rubidium	17	5 PPM		Act. Neutronique
17	Sc Scandium	17	0.2 PPM		Act. Neutronique
18	Se Selenium	17	5 PPM		Act. Neutronique
19	Ag Argent	17	2 PPM		Act. Neutronique
20	Ta Tantale	17	0.5 PPM		Act. Neutronique
21	Tb Terbium	17	0.5 PPM		Act. Neutronique
22	Th Thorium	17	0.2 PPM		Act. Neutronique
23	W Tungstène	17	1 PPM		Act. Neutronique
24	U Uranium	17	0.2 PPM		Act. Neutronique
25	Yb Ytterbium	17	2 PPM		Act. Neutronique
26	Zn Zinc	17	100 PPM		Act. Neutronique
27	Ce Cerium	17	5 PPM		Act. Neutronique
28	Na Sodium	17	0.02 PCT		Act. Neutronique
29	Sn Etain	17	100 PPM		Act. Neutronique
30	Te Tellure	17	10 PPM		Act. Neutronique
31	Zr Zirconium	17	200 PPM		Act. Neutronique
32	Br Brome	17	0.5 PPM		Act. Neutronique
33	Lu Lutetium	17	0.2 PPM		Act. Neutronique
34	Sm Samarium	17	0.05 PPM		Act. Neutronique

CHIMITEC LTEE

700 Rue Nérée Tremblay
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(418) 683-1777
TÉLEX: 051-3786 LOCAL 272

CHIMITEC LTEE

RAPPORT D'ANALYSE
GÉOCHIMIQUE

RAPPORT: 137-3239 (COMPLET)

INFO. DE RÉFÉRENCE: P.O. 105767

CLIENT: RESSOURCES ONYX INC.

SOUHIS PAR: T.A.

PROJET: JOUHEL

DATE DE L'IMPRESSION: 18-AUG-87

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
D CAROTTE DE FORAGE	17	2 -150	17	Tel que reçu, aucune	17
				Enveloppement	17
				Mise en Capsules	17

REMARQUES: < Moins que
> Plus que

COPIES DU RAPPORT A: 53, RUE ALLARD
GEOLOGICA INC.

FACTURE A: 53, RUE ALLARD

RAPPORT: 137-3239

PROJET: JOUTEL

PAGE 1A

NUMERO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au PPB	Sb PPM	As PPM	Ba PPM	Cd PPM	Cs PPM	Cr PPM	Co PPM	Eu PPM	Hf PPM	Ir PPM	Fe PCT
D2 156435		<2	0.2	<0.5	220	<5	0.6	210	<5	1	8	<50	0.5
D2 156436		13	0.1	1.7	300	<5	0.7	190	<5	<1	6	<50	0.6
D2 156437		<2	0.2	0.5	500	<5	1.0	190	6	<1	8	<50	2.9
D2 156438		130	0.6	15.0	400	<5	0.9	230	20	<1	7	<50	3.8
D2 156439		<2	0.1	0.7	400	<5	<0.5	190	9	1	8	<50	3.2
D2 156440		<2	0.1	0.5	460	<5	1.4	180	6	<1	7	<50	3.3
D2 156441		>30000	<0.1	24.0	340	39	<0.5	180	29	<1	6	<50	8.2
D2 156442		1270	0.2	21.0	420	<5	1.2	160	<5	<1	7	<50	1.8
D2 156443		2270	<0.1	11.0	400	<5	0.7	160	8	<1	9	<50	4.5
D2 156444		5	0.1	0.6	440	<5	1.0	150	8	<1	8	<50	3.4
D2 156445		7	0.2	0.8	430	<5	0.6	200	<5	<1	8	<50	1.3
D2 156446		1960	0.1	15.0	320	<5	0.7	210	10	<1	8	<50	4.2
D2 156447		22	0.1	0.9	480	<5	1.0	220	7	2	8	<50	3.1
D2 156448		6100	0.1	39.1	460	75	<0.5	180	17	<1	8	<50	4.8
D2 156449		10	0.1	0.5	370	<5	1.2	180	10	2	8	<50	3.1
D2 156450		266	0.1	3.7	450	<5	0.8	180	<5	<1	9	<50	1.4
D2 156451		<2	0.1	0.7	310	<5	0.6	170	12	<1	10	<50	4.0

RAPPORT: 137-3239

PROJET: JOUTEL

PAGE 1B

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	La PPM	Mo PPM	Ni PPM	Rb PPM	Sc PPM	Se PPM	Ag PPM	Ta PPM	Tb PPM	Th PPM	W PPM	U PPM
D2 156435		33	1	<20	23	3.5	<5	<2	1.0	1.2	6.8	<1	1.7
D2 156436		22	1	<20	22	5.5	<5	<2	0.7	1.2	4.7	4	1.0
D2 156437		25	2	<20	29	8.7	<5	<2	0.9	1.4	3.6	<1	0.7
D2 156438		34	6	<20	58	8.5	<5	<2	0.7	0.8	3.0	6	0.7
D2 156439		28	3	20	45	8.6	<5	<2	1.0	1.2	3.8	<1	0.9
D2 156440		20	2	<20	54	8.6	<5	<2	1.0	1.0	3.6	2	0.8
D2 156441		24	4	<20	43	6.8	<11	13	0.6	0.9	2.5	<5	1.7
D2 156442		38	2	<20	56	8.6	<5	<2	0.8	2.1	3.8	2	1.2
D2 156443		22	3	<20	44	7.0	<5	<2	0.9	1.2	2.8	13	0.8
D2 156444		29	2	<20	73	8.6	<5	<2	0.7	1.4	3.3	<1	0.9
D2 156445		27	1	<20	56	8.1	<5	<2	1.2	1.2	3.5	<1	0.9
D2 156446		25	3	<20	32	6.7	<5	<2	1.1	1.0	3.4	4	0.9
D2 156447		22	3	<20	65	8.5	<5	<2	0.6	1.1	4.3	3	1.1
D2 156448		20	5	<20	46	8.9	<5	24	0.8	1.0	3.5	4	1.0
D2 156449		26	2	<20	54	8.0	<5	<2	0.7	1.1	3.6	12	1.0
D2 156450		30	2	<20	31	6.8	<5	<2	0.7	0.9	4.5	6	1.3
D2 156451		27	2	<20	46	11.0	<5	<2	<0.5	1.1	3.2	<1	0.8

RAPPORT: 137-3239

PROJET: JOUTEL

PAGE 1C

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Yb PPM	Zn PPM	Ce PPM	Na PCT	Sn PPM	Te PPM	Zr PPM	Br PPM	Lu PPM	Sm PPM
D2 156435		4	<100	62	3.21	<100	<10	310	<2.0	0.7	6.00
D2 156436		4	120	42	3.45	<100	<10	360	3.5	0.6	4.60
D2 156437		4	<100	57	3.73	<100	<10	460	3.4	0.7	5.80
D2 156438		3	290	62	3.42	<100	<10	<200	3.6	0.6	6.00
D2 156439		4	<100	64	3.97	<100	<10	540	4.6	0.7	5.60
D2 156440		4	170	44	3.07	<100	<10	440	3.4	0.6	4.60
D2 156441		4	7200	43	3.19	<100	<34	<200	<2.0	0.8	4.30
D2 156442		6	110	71	3.25	<100	<10	340	2.5	1.0	6.30
D2 156443		3	100	38	3.81	<100	<10	300	2.4	0.6	4.40
D2 156444		4	<100	54	3.29	<100	<10	<200	2.4	0.7	5.60
D2 156445		4	130	53	3.17	<100	<10	340	3.1	0.7	5.30
D2 156446		4	130	53	3.93	<100	<10	360	2.1	0.7	5.20
D2 156447		4	<100	46	3.33	<100	<10	530	<2.0	0.6	5.00
D2 156448		3	11800	47	3.70	<100	<10	420	2.1	0.5	4.50
D2 156449		4	170	51	3.78	<100	<10	<200	2.5	0.6	5.50
D2 156450		3	290	60	4.28	<100	<10	<200	3.0	0.7	5.40
D2 156451		4	180	53	4.87	<100	<10	<200	2.7	0.7	5.60

SAP RT: 037-3727 (COMPLET)

INFO. DE RÉFÉRENCE: P.O. 105718

CLIENT: RESSOURCES ONYX INC.
 FROM: JOUTEL-ONYX.

SOUIS PAR: TAHER ALVI
 DATE DE L'IMPRESSION: 2-SEP-87

COMMANDE	ÉLÉMENT	NOMBRE D'ANALYSES	LIMITE INFÉRIEURE DE DETECTION	EXTRACTION	METHOD
1	Au	Or	16	2 PPB	Act. Neutronique
2	Sb	Antimoine	16	0.1 PPM	Act. Neutronique
3	As	Arsenic	16	0.5 PPM	Act. Neutronique
4	Ba	Barium	16	50 PPM	Act. Neutronique
5	Cd	Cadmium	16	5 PPM	Act. Neutronique
6	Cs	Césium	16	0.5 PPM	Act. Neutronique
7	Cr	Chrome	16	20 PPM	Act. Neutronique
8	Co	Cobalt	16	5 PPM	Act. Neutronique
9	Eu	Europium	16	1 PPM	Act. Neutronique
10	Hf	Hafnium	16	1 PPM	Act. Neutronique
11	Ir	Iridium	16	50 PPM	Act. Neutronique
12	Fe	Fer	16	0.2 PCT	Act. Neutronique
13	La	Lanthane	16	2 PPM	Act. Neutronique
14	Mo	Molybdène	16	1 PPM	Act. Neutronique
15	Ni	Nickel	16	20 PPM	Act. Neutronique
16	Rb	Rubidium	16	5 PPM	Act. Neutronique
17	Sc	Scandium	16	0.2 PPM	Act. Neutronique
18	Se	Selenium	16	5 PPM	Act. Neutronique
19	Ag	Argent	16	2 PPM	Act. Neutronique
20	Ta	Tantale	16	0.5 PPM	Act. Neutronique
21	Tb	Terbium	16	0.5 PPM	Act. Neutronique
22	Th	Thorium	16	0.2 PPM	Act. Neutronique
23	W	Tungstène	16	1 PPM	Act. Neutronique
24	U	Uranium	16	0.2 PPM	Act. Neutronique
25	Yb	Ytterbium	16	2 PPM	Act. Neutronique
26	Zn	Zinc	16	100 PPM	Act. Neutronique
27	Ce	Cerium	16	5 PPM	Act. Neutronique
28	Na	Sodium	16	0.02 PCT	Act. Neutronique
29	Sn	Étain	16	100 PPM	Act. Neutronique
30	Te	Tellure	16	10 PPM	Act. Neutronique
31	Zr	Zirconium	16	200 PPM	Act. Neutronique
32	Br	Brome	16	0.5 PPM	Act. Neutronique
33	Lu	Lutetium	16	0.2 PPM	Act. Neutronique
34	Sm	Samarium	16	0.05 PPM	Act. Neutronique

R PORT: 037-3727 (COMPLET)

INFO. DE RÉFÉRENCE: P.O. 105718

C-ENT: RESSOURCES ONYX INC.

SOUIS PAR: TAHER ALVI

P JEI: JOUTEL-ONYX

DATE DE L'IMPRESSION: 2-SEP-87

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
D CAROTTE DE FORAGE	16	2 -150	16	Concas, Pulvériser	16
				Enveloppement	16
				Mise en Capsules	16

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 GEOLOGICA INC.

FACTURE A: 53, RUE ALLARD

RAPPORT: 037-3727

PROJET: JOUTEL-ONYX

PAGE 1A

NUMERO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au PPB	Sb PPM	As PPM	Ba PPM	Cd PPM	Cs PPM	Cr PPM	Co PPM	Eu PPM	Hf PPM	Ir PPM	Fe PCT
D2 167051		<2	0.1	0.6	260	<5	0.9	210	<5	<1	7	<50	1.0
D2 167052		37	0.1	0.9	290	<5	<0.5	310	6	2	8	<50	3.0
D2 167053		<2	0.1	0.6	360	<5	0.6	230	9	<1	8	<50	3.0
D2 167054		<2	<0.1	0.6	240	<5	<0.5	340	7	<1	8	<50	3.3
D2 167055		<2	0.2	<0.5	360	<5	0.6	270	<5	2	8	<50	1.0
D2 167056		<2	0.1	<0.5	290	<5	0.5	240	9	<1	8	<50	3.2
D2 167057		<2	<0.1	0.6	340	<5	<0.5	270	7	1	7	<50	3.3
D2 167058		<2	0.2	0.7	280	<5	0.6	240	<5	2	8	<50	1.4
D2 167059		<2	0.2	0.6	280	<5	0.8	260	13	2	7	<50	4.0
D2 167060		15	<0.1	1.4	460	<5	0.9	350	6	<1	8	<50	2.4
D2 167061		<2	<0.1	1.6	450	<5	0.8	410	<5	<1	8	<50	1.3
D2 167062		<2	<0.1	<0.5	300	<5	1.1	210	<5	<1	7	<50	1.5
D2 167063		4	0.1	0.7	200	<5	0.5	280	6	1	7	<50	3.2
D2 167064		4750	0.1	1.6	410	<5	0.8	390	<5	<1	8	<50	1.1
D2 167065		12200	0.1	1.5	280	7	0.6	380	<5	<1	7	<50	2.4
D2 167066		170	<0.1	<0.5	390	<5	1.0	250	<5	<1	7	<50	3.2

REPORT: 037-3727

PROJET: JOUTEL-ONYX

PAGE 1B

NUMÉRO DE ÉCHANTILLON	ÉLÉMENT UNITÉS	La PPM	Mo PPM	Ni PPM	Rb PPM	Sc PPM	Se PPM	Ag PPM	Ta PPM	Tb PPM	Th PPM	W PPM	U PPM
D2 167051		11	2	<20	15	5.7	<5	<2	0.7	0.8	2.9	<1	0.8
Γ 167052		15	2	<20	21	7.6	<5	<2	0.9	1.3	3.7	7	1.0
I 167053		22	2	<20	19	7.2	<5	<2	0.6	1.1	3.1	<1	0.8
D2 167054		21	2	<20	<5	7.8	<5	<2	0.7	1.2	3.5	<1	0.9
E2 167055		19	2	<20	28	8.5	<5	<2	0.7	0.9	2.8	2	0.8
L2 167056		27	4	<20	33	8.4	<5	<2	0.8	0.9	3.5	<1	0.9
D2 167057		28	3	<20	26	8.1	<5	<2	0.8	1.1	3.5	<1	0.9
D 167058		32	2	<20	38	9.2	<5	<2	0.9	1.1	4.3	1	0.9
D 167059		23	2	23	38	12.0	<5	<2	1.0	0.9	3.1	<1	0.7
D2 167060		20	3	<20	67	7.8	<5	<2	1.3	0.8	3.8	4	0.9
D 167061		41	2	<20	38	4.4	<5	<2	1.1	1.9	6.7	<1	1.4
D2 167062		20	3	<20	66	8.4	<5	<2	0.6	1.2	3.3	<1	0.8
E2 167063		18	4	<20	44	7.5	<5	<2	0.7	1.1	3.0	3	0.9
D 167064		37	3	<20	22	6.7	<5	<2	1.1	1.2	5.5	2	1.1
D2 167065		19	4	<20	29	6.1	<5	<2	0.8	1.3	2.7	6	0.7
D 167066		27	3	<20	58	8.5	<5	<2	0.9	1.3	3.7	<1	0.8

RAPPORT: 037-3727

PROJET: JOUTEL-ONYX

PAGE 1C

NUMÉRO DE ÉCHANTILLON	ÉLÉMENT UNITÉS	Yb PPM	Zn PPM	Ce PPM	Na PCI	Sn PPM	Te PPM	Zr PPM	Br PPM	Lu PPM	Sm PPM
D2 167051		2	<100	20	3.72	<100	10	270	3.0	0.4	3.10
D2 167052		4	120	30	3.94	<100	<10	490	2.4	0.6	4.70
D2 167053		4	120	47	3.96	<100	<10	510	2.5	0.6	4.90
D2 167054		5	170	43	4.32	<100	<10	360	4.6	0.8	4.60
D2 167055		3	<100	47	3.78	<100	<10	390	<2.0	0.6	4.90
D2 167056		4	<100	59	3.90	<100	<10	300	<2.0	0.6	5.20
D2 167057		4	<100	53	4.10	<100	<10	<200	2.6	0.7	5.10
D2 167058		4	160	69	3.98	<100	<10	<200	<2.0	0.7	5.90
D2 167059		3	130	48	3.20	<100	<10	290	<2.0	0.5	5.00
D2 167060		3	160	42	3.62	<100	<10	660	2.8	0.6	4.20
D2 167061		6	<100	88	3.66	<100	<10	380	2.7	0.9	7.90
D2 167062		4	160	42	2.90	<100	<10	460	<2.0	0.6	4.80
D2 167063		4	<100	38	3.74	<100	<10	<200	<2.0	0.6	4.50
D2 167064		5	130	76	4.13	<100	<10	330	2.4	0.8	5.90
D2 167065		4	910	42	3.70	<100	<10	360	2.1	0.7	4.90
D2 167066		4	180	55	3.31	<100	<10	380	2.5	0.6	5.30

RAPPORT: 137-3727 (COMPLET)

INFO. DE RÉFÉRENCE: P.O. 105718

CLIENT: RESSOURCES ONYX INC.

SOU MIS PAR: TAHER ALVI

PROJET: JOUTEL-ONYX

DATE DE L'IMPRESSION: 16-SEP-87

COMMANDE	ÉLÉMENT	NOMBRE D'ANALYSES	LIMITE INFÉRIEURE DE DETECTION	EXTRACTION	METHOD
1	SiO2 Silica (SiO2)	16	0.01 PCT	FUSION METABORATE	EMISSION-PLASMA
2	TiO2 Titane (TiO2)	16	0.01 PCT	FUSION METABORATE	EMISSION-PLASMA
3	Al2O3 Alumine (Al2O3)	16	0.01 PCT	FUSION METABORATE	EMISSION-PLASMA
4	Fe2O3* Fer Total (Fe2O3)	16	0.01 PCT	FUSION METABORATE	EMISSION-PLASMA
5	MnO Manganese (MnO)	16	0.01 PCT	FUSION METABORATE	EMISSION-PLASMA
6	MgO Magnesium (MgO)	16	0.01 PCT	FUSION METABORATE	EMISSION-PLASMA
7	CaO Calcium (CaO)	16	0.01 PCT	FUSION METABORATE	EMISSION-PLASMA
8	Na2O Sodium (Na2O)	16	0.01 PCT	FUSION METABORATE	EMISSION-PLASMA
9	K2O Potassium (K2O)	16	0.03 PCT	FUSION METABORATE	EMISSION-PLASMA
10	P2O5 Phosphore (P2O5)	16	0.03 PCT	FUSION METABORATE	EMISSION-PLASMA
11	LOI Perte au Feu	16	0.01 PCT		Gravimétrie
12	Total Elém Majeurs	16	0.01 PCT		

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
D CAROTTE DE FORAGE	16	2 -150	16	Tel que reçu, aucune	16

REMARQUES: < Moins que

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FACTURE À: 53, RUE ALLARD

Feuilles de travail

NUMERO DE L'ECHANTILLON	ÉLÉMENT UNITÉS	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3* PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	P2O5 PCT	LOI PCT	Total PCT
D2 167051		72.00	0.17	12.10	2.99	0.04	0.58	1.91	5.37	0.83	0.10	2.55	98.64
D2 167052		73.40	0.24	13.70	3.02	0.03	0.44	1.51	4.09	0.78	0.15	2.15	99.51
D2 167053		70.90	0.14	14.30	3.42	0.06	0.51	2.44	4.50	0.98	0.25	3.20	100.70
D2 167054		72.10	0.28	14.40	3.39	0.04	0.50	1.27	4.30	0.87	0.16	1.05	98.36
D2 167055		72.80	0.06	15.20	1.93	0.03	0.50	1.91	3.56	1.07	0.22	3.80	101.08
D2 167056		72.50	0.12	14.80	2.95	0.04	0.52	1.61	3.36	0.98	0.09	3.25	100.22
D2 167057		73.00	0.38	12.90	3.94	0.06	0.74	2.27	5.03	1.14	0.05	2.15	101.66
D2 167058		73.00	0.08	14.50	2.55	0.04	0.47	2.05	3.72	1.37	0.11	3.80	101.69
D2 167059		63.70	0.15	15.10	4.61	0.07	1.77	3.40	4.27	1.67	<0.03	4.75	99.49
D2 167060		70.70	0.26	13.40	2.69	0.05	0.49	2.43	4.54	2.03	0.09	2.40	99.08
D2 167061		79.50	0.05	11.80	1.55	0.02	0.13	0.77	4.71	2.33	<0.03	0.85	101.71
D2 167062		67.60	0.13	13.10	3.48	0.08	0.70	3.42	3.78	2.28	0.04	4.90	99.51
D2 167063		68.40	0.10	12.90	4.04	0.07	0.65	2.48	5.05	1.38	0.28	3.75	99.10
D2 167064		73.10	0.13	12.70	2.68	0.04	0.26	1.51	5.06	1.29	<0.03	1.40	98.17
D2 167065		73.40	0.09	11.80	2.95	0.04	0.30	1.44	4.73	1.24	0.10	2.75	98.84
D2 167066		69.80	0.09	12.70	4.12	0.08	0.71	2.67	4.19	1.78	0.22	2.80	99.16

WORK REPORT ON THE JOUTEL-POIRIER PROPERTY
RESSOURCES ONYX INC.

M.E.R.
SERV. TITRES MINERS
BUREAU REGIONAL VAL D'OR
'88 NOV 16 09 17

RESSOURCES ONYX INC.

WORK REPORT ON THE
JOUTEL-POIRIER PROPERTY

BOOK II

- DRILL HOLE PARAMETERS
- DIAMOND DRILL LOGS

#int. 00749
TM 88319038

Ministère de l'Énergie et des Ressources
Service de la Géoinformation
Date: 11 AVR 1989
No G.M.: 48114

ÉNERGIE ET RESSOURCES
SECTEUR MINES

01 NOV. 1988

Bureau régional Val d'Or

RESSOURCES ONYX INC

JOURNAL DE SONDAGE / DRILL HOLE RECORD

SONDAGE No: JO-87-1
HOLE No: JO-87-1

COORDONNÉES DE L'ORIFICE / COLLAR COORDINATES		LATITUDE: 4400N		LONGITUDE: 18-00W		ELEVATION: —		AZIMUTH: 220°		PROPRIÉTÉ / PROPERTY: Joutel	
INCLINAISON/DIP: 50°		TYPE DE FORAGE/TYPE OF DRILLING: DIAMOND		CLAIM NO: 164800-1		SECTION: L 18 + 00W		DATE: May 5/87		G. J. Boisvert, T. Alvi	
LONGUEUR/LENGTH: 185,3 m		DIMENSION DE LA CAROTTE/CORE SIZE: BQ		COMMENCE/STARTED: April 28/87		TERMINÉ/COMPLETED: May 3/87		OBJECTIF/PURPOSE: VLF, Au zone		SYSTEME DE MESURES/SYSTEM OF MEASURES: METRIC (SI)	
TESTS: 48 @ 182.9 m		70 Samples		FORMATION		ECHANTILLON/SAMPLE		ANALYSES/ANALYSIS			
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	AS ppm			
0.0	22.9	CASING - Overburden: 10 cm white grt cobble.	140301	22.7	22.8	0.1	<5				
22.8	29.2	Fresh Granodiorite - Medium grained, mesocratic, dk pinkish grey colour. - Generally massive, isotropic. Composition: <10% grt 15-20% dk grey mafics 70-80% plagioclase (with pink K-feldspar or hematite staining).									
29.2	38.7	Alteration Zone - Shearing (brittle-ductile), SiO ₂ ⁺ , carbonatization, limonitic staining. - Foliation + Structure cleavage: 28° CA to 85° CA. - SiO ₂ ⁺	104302	29.2	30.1	0.9	<5				
		- Shearing, SiO ₂ ⁺ (whole rock analysis # 156445)	104303	31.5	32.9	1.4	<5				
		- Idem	104304	32.9	33.4	0.5	<5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: J0 87 - 1
 HOLE no: J0 87 - 1
 PAGE: 2 DE/OF 8

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb				
		- Carb'zation + brown staining	104305	34,5	35,4	0,9	<5				
		- Idem	104306	35,4	36,4	1,0	5				
		- SiO ₂ + , Carb'zation - gray colour	104307	36,4	37,7	1,3	<5				
		- Idem brown patches	104308	37,7	38,3	0,6	<5				
38,7	49,1	<u>Unaltered Granodiorite</u>									
		- gray, weak zoning/foliation 70-80° CA granular py. in Qtz string	104309	41,8	43,0	1,2	<5				
		- 43.4-43.7 brown 2cm aplite dyke 20° CA									
		- 44.3-44.4 Idem dyke but 35° CA									
		- dark grey, SiO ₂ + along fractures	104310	47,5	47,9	0,4	<5				
49,1	86,6	<u>Alteration Zone</u>									
		Carbonatized + SiO ₂ + reXlized and granular, small veins and fractures common, medium grained occasional limonitic zones, mafic zones, fine grained py (<5%) zones common, occasional poor foliation									
		- SiO ₂ + , Carb'zation limonitic stain	104311	50,4	50,9	0,5	<5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-1
 HOLE no:
 PAGE: 3 DE/OF 8

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb					
		- SiO ₂ + Carbization, < 1 cm Carb. veins 15-30° CA	104312	50,9	52,4	1,5	<5					
		- Idem, SiO ₂ + ↓	104313	52,4	53,8	1,4	<5					
		- SiO ₂ +, fracturing ↑	104314	53,8	54,8	1,0	<5					
		- Carbization ↑, poor foliation 40°CA, pink	104315	54,8	56,0	1,2	<5					
		- SiO ₂ + ↑, Carbization ↓, 7cm limonitic zone	104316	56,0	56,9	0,9	<5					
		- Idem, no limonite	104317	56,9	58,2	1,3	10					
		- Carbization ↑, traces py in 23mm Carb. veins granular, gray	104318	58,2	59,5	1,3	35					
		- Carbization ↓, py ≈ 1% assoc. with Carb. strings + blebs, limonitic zone + Qtz veins and ≈ 3% py.	104319	59,5	60,1	0,6	10					
		- Idem, no limonite, Carb. strings 55°CA	104320	60,1	61,2	1,1	<5					
		- Idem, Carbization ↑	104321	61,2	62,2	1,0	<5					
		- Carbization ↑, limonitic zone, granular + fractured	104322	62,2	63,0	0,8	<5					
		- mafics ↑, 3 cm limonite zone	104323	63,0	64,2	1,2	<5					
		- Idem no limonite	104324	64,2	65,6	1,4	<5					

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87 - 1
 HOLE no: JO 87 - 1
 PAGE 5 DE/OF 8

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb				
86,6	106,1	<u>Unaltered Granodiorite</u>									
		medium grained, mesocratic, subhedral dark grey-pink-black									
		Comp:									
		< 10 % Qtz									
		30 % gray-black mafics									
		60 % Plag (40% Hematite stains or K-spar)									
		Massive with minor fracture + veins with local Carb + SiO ₂ alteration									
		- transition zone to Granodiorite	104336	86,4	86,8	0,4	<5				
		- SiO ₂ ++, reXl'ized, Carb veins	104337	94,4	94,8	0,4	<5				
		- unaltered Granodiorite	104338	96,9	97,0	0,1	<5				
106,1	110,5	<u>Alteration Zone</u>									
		ReXl'ized, Carb'zed + SiO ₂ + medium gr., alteration varies and is locally discontinuous, some py. dark grey and red colour									
		- SiO ₂ ++, gray-black	104339	97,4	98,5	0,9	<5				
		- discontinuous Carb'zation + SiO ₂ +	104340	103,0	103,6	0,6	5				
		- Carb'zation + SiO ₂ + ↑, disseminated py ~ 2%	104341	106,1	107,0	0,9	<5				
		- Idem, poor foliation 80° CA	104342	107,0	108,4	1,4	<5				
		- irregular Qtz vein / fracture zone filled with Qtz + Carb.	104343	108,4	108,9	0,5	<5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87 -1
 HOLE no:
 PAGE: 6 DE/OF 8

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb				
		- Carb'zation ↑, mafics ↑, gray-green	104344	108,9	110,3	1,4	<5				
110,5	130,2	Fresh Granodiorite locally reXl'l'ed + Carb'zed + SiO ₂ + some Carb + Qtz veins									
		- minor local reXl'l'tion	104345	111,9	112,4	0,5	<5				
		112,4 - 115,6 minor Carb'zation along fractures, a few 2-5 mm Carb veins 55° CA									
		- locally reXl'l'ed, Carb veins	104346	113,7	114,0	0,3	<5				
		- Carb'zed + SiO ₂ granular	104347	118,6	119,3	0,7	<5				
		- Carb'zed, local poor foliation 45-60° CA	104348	121,1	121,6	0,5	<5				
		- 1 dm rust spot, no foliation	104349	127,4	127,8	0,4	<5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: 50 87-1
 HOLE no: 50 87-1
 PAGE: 7 DE/OF 8

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb				
120,2	140,7	Alteration Zone									
		Highly carb'zed, SiO ₂ + granular veins 60-70° CA, slight mafic ↑ depth									
		1-3% py in veins									
		- Idem (whole rock analysis # 156447)	104350	132,2	132,7	0,5	70				
		137,6 - 140,7									
		Idem, mafics ↑ ~ 30%, 10% Tale in veins - as an alteration margin									
140,7	185,3	Fresh Granodiorite									
		5mm veins 50-60° CA, local alteration									
		- Idem, 1% py in veins	104351	140,2	140,7	0,5	<5				
		- Idem, SiO ₂ + no py.	104352	146,7	147,2	0,5	<5				
		151 - 156 - discontinuous minor alteration									
		Carb'zation = SiO ₂ +, massive to granular, many Carb. veins + fractures with 5-40mm Carb'zed halos, ~ 5% Tale margins in veins,									
		- Idem re-XIII'd, py in halos	104353	151,2	152,0	0,8	<5				
		- Idem, Carb'zation ↑, py < 1%	104354	155,0	156,0	1,0	<5				
		156-166,7 Fresh Granodiorite	104355	160,2	160,6	0,4	<5				
		- Idem.	104356	166,1	166,7	0,6	<5				

COORDONNÉES DE L'ORIFICE / COLLAR COORDINATES
 LATITUDE: 4 00 N LONGITUDE: 17 + 75 W

JOURNAL DE SONDAGE / DRILL HOLE RECORD

SONDAGE No:
 HOLE No: JO 87-2

PROPRIÉTÉ / PROPERTY JOUHEL - POIRIER

ELEVATION: AZIMUTH: 220°
 INCLINAISON/DIP: 50° TYPE DE FORAGE/TYPER OF DRILLING: DIAMOND
 FORAGES du Nord
 LONGUEUR/LENGTH: 213,10 M DIMENSION DE LA CAROTTE/CORE SIZE: B Q
 OBJECTIF/PURPOSE: VLF anomaly SYSTÈME DE MESURES/SYSTEM OF MEASURES: METRIC (SI)
 CLAIM NO: 164800-1
 SECTION: L 17 + 75 W
 DÉCRIT PAR/LOGGED BY: T. ALVI
 DATE: May 13 / 87
 COMMENCE/STARTED: May 6 / 87
 TERMINÉ/COMPLETED: May 9 / 87

TESTS 48° @ 213,0 m.

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	AS ppb			
0	21,9	CASING Overburden									
21,9	38,5	ALTERATION ZONE / GRANODIORITE pink to gray, medium grained granular SiO ₂ + and Potassic (pink) alteration some Carbonatization in gray areas, Quartz + Carbonate stringers 50-60° CA, occasionally discontinuous - alteration along fractures only gradual contact									
	21,9 - 30,2	Continuous strong alteration - potassic alteration decreases with depth (pink) - Carbonatization increases with depth (gray) - some limonitic zones (several cm's long) 50° CA - fine disseminated py ~ 2-5% - pyrite associated with veins ~ 15%									
		- Idem,	104371	21,9	22,8	0,9	<5				
		- Idem, Potassic - Carbonaceous zonation - 50° CA 5 cm limonite zone	104372	22,8	24,1	1,3	15				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-2
 HOLE no:
 PAGE: 2 DE/OF 14

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Au oz/Tonne	Au g/Tm		
		-Idem, gray	104373	24,1	25,3	1,2	<5				
		-Idem, gray, Potassic alteration ending	104374	25,3	26,5	1,2	<5				
		-Idem, limonitic zone, small Qtz veins	104375	26,5	27,6	1,1	190				
		-Idem	104376	27,6	28,6	1,0	530	0.015			
		-Idem	104377	28,6	29,6	1,0	<5				
		-Idem, fractured, lots of mafics, banded limonitic zones ~ 40° CH	104378	29,6	30,2	0,6	<5				
		30,2 - 38,5 Discontinuous - alteration occurs along fractures and veins, some Granodioritic intervals, dark mafics ~ 25%									
		-Idem	104379	30,6	31,3	0,7	50				
		Granodiorite	104474	31,3	31,9	0,6	<5				
		Altered, 2 cm 85% purple vein ~ 50° CH (whole rock analysis # 156441)	104380	31,9	33,1	1,2	11700	0,341	1,7		
		-Idem, contains fresh Granodiorite	104381	33,1	33,8	0,7	<5				
		-Idem	104382	33,8	34,6	0,8	710				
		-Idem 1 cm Quartz vein	104383	35,5	36,2	0,7	<5				
		-Idem	104384	36,3	36,6	0,3	<5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-2
 HOLE no:
 PAGE: 3 DE/OF 14

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb				
		- Idem, 2 x 1 cm Quartz veins	104385	36,6	37,5	0,9	<5				
		- Idem,	104386	37,6	38,0	0,4	<5				
		- Idem	104387	38,1	38,5	0,4	140				
38,5	81,2	<u>GRANODIORITE</u>									
		medium grained massive, mesocratic brown - gray - black, discontinuously altered									
		Comp:									
		< 10% Quartz									
		30% mafics									
		60% Plag (40% pink-brown Hematite or Potassic alteration)									
		Carbonate - Quartz veins and fractures at 50° CA, strong Carbonate and SiO ₂ alteration along veins; 1-5% pyrite in alteration halos, 2 nd irregular fractures at 90° to main fracture set - rarely mineralized									
		- Idem	104398	40,9	41,8	0,9	45				
		- Idem	104388	41,8	42,4	0,6	5				
		- Idem	104389	42,6	43,3	0,7	<5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-2
 HOLE no: JO 87-2
 PAGE: 4 DE/OF 14

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Au oz/Tonne	CHECK \$/Au/t		Au moyen ppb
		-Idem	104399	48,5	49,3	0,9	10				
		-Idem 3 cm Qtz vein cross cutting 2 cm Potassic zone	104390	49,3	50,0	0,7	10				
		-Idem several Qtz veins	104391	50,0	50,7	0,7	250	.007			
		-Idem	104392	50,7	51,5	0,8	520				
		-Idem 1 cm Qtz vein - 5% pyrite fracture foliation ~ 50° CA	104393	51,8	52,7	0,9	<5				
		-Idem	104394	53,2	54,0	0,8	50				
		-Idem, 1 cm limonite vein 50° CA	104395	54,9	55,9	1,0	40				
		57,3 - 58,1 - 1 cm Aplite dyke 0° CA									
		-Idem, limonite traces	104396	60,7	61,5	0,8	15				
		-Idem	104397	62,5	63,5	1,0	370				
		Several strong alteration halos, three 1 cm Qtz veins	104462	63,9	65,1	1,2	<5				
		5 cm limonitic zone, two 1 cm Qtz veins	104463	65,6	66,5	0,9	<5				
		Several strong alteration halos	104464	66,8	67,7	0,9	<5				
		Idem	104465	67,7	68,4	0,7	<5				
		Carbonatized, 3 cm of 40% pyrite (whole rock analysis # 156442)	104466	68,4	69,0	0,6	1035		1.10		1068
		Carbonatized, 4 large (1-3 cm) Qtz veins	104467	69,0	70,1	1,1	465				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-2
 HOLE no:
 PAGE: 5 DE/OF 14

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Au g/Tonne			Au moy ppb
		- Idem	104 400	70,6	71,4	0,8	120				
		- Idem	104 401	75,2	75,8	0,6	10				
81,2	90,1	ALTERATION ZONE/GRANODIORITE Carbonatized, SiO ₂ , some Potassic alteration, recrystallized, massive to granular, Carbonate + Qtz veins and halos ~ 50° CA, 1-5% disseminated pyrite, secondary fractures at 90° to primary fracture set, some fresh Granodiorite Zones, gradual contact									
		Idem, Granodiorite zones	104 402	81,2	82,0	0,8	5				
		- Idem	104 403	82,0	82,7	0,7	<5				
		- Idem, 2° fractures	104 404	82,7	83,5	0,8	95				
		- Idem, 10 cm limonite zone 1 cm pr. vein (whole rock analysis # 156443)	104 405	83,5	84,5	1,0	2900	2.68			2790
		- Idem, 5 cm fragment of Qtz vein	104 406	84,5	85,6	1,1	5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-2
 HOLE no:
 PAGE 7 DE/OF 14

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb				
		-Idem	104 412	90,4	90,8	0,4	< 5				
		-Idem	104 413	90,8	91,5	0,7	< 5				
		-Idem	104 414	91,8	92,6	0,8	< 5				
		-Idem	104 415	92,8	93,2	0,4	5				
		-Idem	104 416	93,5	94,2	0,7	< 5				
		-Idem	104 417	94,2	95,3	1,1	< 5				
		-Idem	104 418	98,1	98,5	0,4	< 5				
		-Idem	104 419	98,8	99,5	0,7	< 5				
		-Idem	104 420	99,5	100,3	0,8	< 5				
100,3	105,7	ALTERATION + FRACTURE ZONE -similar to previous, no Potassic zones Blue/Black colour, randomly oriented fractures common, alteration intensity is irregular, Carbonatized									
		Idem	104 421	100,3	101,5	1,2	< 5				
		Idem	104 422	101,5	102,8	1,3	< 5				
		Idem (whole rock analysis # 156444)	104 423	102,8	103,8	1,0	< 5				
		Idem	104 424	103,8	104,7	0,9	< 5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-2
 HOLE no: JO 87-2
 PAGE: 8 DE/OF 14

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb				
		Idem	104 425	104,7	105,7	1,0	<5				
105,7	120,3	<u>GRANODIORITE</u>									
		- similar to previous									
		Idem	104 426	112,5	112,9	0,4	<5				
120,3	124,3	<u>ALTERATION ZONE / GRANODIORITE</u>									
		Carbonatized - blue - green - black colour, foliation ~ 40° CA									
		- Idem, 1 cm Carbonate vein ~ 10° CA	104 427	120,3	121,3	1,0	<5				
		- Idem, Carbonate veins ~ 10° CA	104 428	121,3	122,2	0,9	<5				
		- Idem	104 429	122,9	123,7	0,8	<5				
		- Idem	104 430	123,7	124,3	0,6	<5				
124,3	152,3	<u>GRANODIORITE</u>									
		- similar to previous but less fractured Alteration halos around larger veins									
		Idem	104 431	128,5	128,9	0,4	<5				
		Idem	104 432	135,8	136,1	0,3	<5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-2
 HOLE no: JO 87-2
 PAGE: 9 DE/OF 14

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb				
		Idem	104433	143,7	144,0	0,3	<5				
		Idem	104434	145,1	145,5	0,4	<5				
		Idem	104435	151,3	151,7	0,4	<5				
152,3	156,4	ALTERATION ZONE / GRANODIORITE Carbonatized and SiO ₂ + granular gray, 5% disseminated quartz, 5-10% pyrite in carbonate and Qtz veins - 30° CA									
		- Idem contains fresh Granodiorite	104436	152,3	153,4	1,1	<5				
		- Idem	104437	153,4	154,3	0,9	<5				
		- Idem 4 x 1cm Carb - Qtz veins	104438	154,3	155,4	1,1	<5				
		- Idem some Granodiorite	104439	155,4	156,4	1,0	<5				
156,4	159,3	GRANODIORITE - similar to previous ~ approx 25% Carbonate + Qtz veins with alteration halos + 0-5% py.									
		Idem	104440	156,4	157,2	0,8	<5				
		Idem	104441	157,8	158,2	0,4	<5				
		Idem	104442	158,5	159,3	0,8	<5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: J0 87-2
 HOLE no: JO 87-2
 PAGE: 10 DE/OF 14

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb				
159,3	161,8	ALTERATION ZONE / GRANODIORITE Carbonatized and SiO ₂ , granular, gray, recrystallized, Carbonate + Qtz veins 5-25° CA with 1-5% pyrite, traces of disseminated pyrite, poor foliation ~ 30° CA, some green-black alteration at vein margins									
		Idem	104443	159,3	160,5	1,2	<5				
		Idem	104444	160,5	161,8	1,3	<5				
161,8	174,4	GRANODIORITE - similar to previous Some carbonatization - blue gray shade									
		- Idem	104445	165,0	165,6	0,6	<5				
		Idem	104446	172,2	173,5	1,3	<5				
		Idem 1 cm Carb.- Qtz vein ~ 20° CA	104447	173,5	174,4	0,9	<5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-2
 HOLE no:

PAGE: 11 DE/OF 14

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb				
174,4	180,5	ALTERATION ZONE / GRANODIORITE Carbonatized, medium grained, granular, a few carbonate-Quartz veins, traces of pyrite associated with veins, blue gray to gray									
		Carbonatized	104468	174,4	175,8	1,4	< 5				
		Idem	104469	175,8	177,0	1,2	< 5				
		Idem	104470	177,0	178,0	1,0	< 5				
		Idem	104471	178,0	179,4	1,4	< 5				
		Idem	104472	179,4	180,5	1,1	< 5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-2
 HOLE no: JO 87-2
 PAGE: 12 DE/OF 14

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	AS ppm			
180,5	193,9	GRAVO DIORITE - speckled brown - gray - black, fractures and small carbonate + Qtz veins at 50° CA, occasional strong alteration (Carbonatized) halos around veins up to 10% py. in veins but typically unmineralized									
		- Carbonatized 10% disseminated pyrite in 1 cm carbonate - Qtz vein	104473	185,8	186,9	1,1	<5				
		Idem	104448	193,1	193,9	0,8	<5				
193,9	197,1	ALTERED + FRACTURED ZONE Carbonatized + SiO ₂ , recrystallized granular gray, portions of fractured + resealed rock, 1% py. in veins									
		- Idem, 1 cm Carb - Qtz vein ~ 40° CA	104449	193,9	194,8	0,9	<5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-2
 HOLE no: JO 87-2
 PAGE: 13 DE/OF 14

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb				
		Idem	104450	194,8	196,1	1,3	<5				
		Idem	104451	196,1	197,1	1,0	<5				
197,1	202,0	GRANODIORITE - similar to previous, but no blue shade									
		Idem,	104452	197,1	197,8	0,7	<5				
		Idem, 10 cm Carb + Qtz vein/fracture	104453	199,5	200,0	0,5	<5				
		Idem, 5% py. in 5 mm Carb vein ~ 30° CA	104454	200,1	200,6	0,5	<5				
202,0	210,1	ALTERATION ZONE / GRANODIORITE Carbonatized, some SiO ₂ , recrystallized, gray, zones of minor Potassic (pink) alteration									
		- Idem	104455	202,0	203,2	1,2	<5				
		- Idem, 1 cm Qtz vein ~ 20° CA 1-3% py.	104456	203,2	204,5	1,3	35				
		- Idem	104457	204,5	206,0	1,5	<5				
		- Idem	104458	206,0	207,5	1,5	<5				
		- Idem	104459	207,5	209,0	1,5	<5				
		- Idem	104460	209,0	210,1	1,1	<5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-2
 HOLE no: JO 87-2
 PAGE: 14 DE/OF 14

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb				
210,1	213,1	GRANO DIORITE - similar to previous									
		Idem	104461	212,1	212,6	0,5	25				
		END OF HOLE									
		The core is stored at 53 Allard St. Val d'Or, Quebec									
		The hole shows varying degrees of alteration throughout, with the most intense alteration occurring at the top. Alteration at the top of the hole is predominantly Potassic, while the rest of the hole shows Carbonatization and Silicification. Several zones of fresh Granodiorite are present. Strong mineralization coincides with strong alteration.									
		Johan White	BSc	Geology							

SUMMARY

JOURNAL DE SONDAGE / DRILL HOLE RECORD

SONDAGE No: JO 87-3
HOLE No: JO 87-3

PROPRIETE / PROPERTY JOUTEL - POIRIER

COORDONNEES DE L'ORIFICE / COLLAR COORDINATES					
LATITUDE: 4 + 30 N	LONGITUDE: 18 + 25 W				
ELEVATION:	AZIMUTH: 220°				
INCLINAISON/DIP: 50°	TYPE DE FORAGE/TYPE OF DRILLING: DIAMOND		CLAIM NO: 164 800-1		
			FORAGES du NORD		
LONGUEUR/LENGTH: 249,60 M	DIMENSION DE LA CAROTTE/CORE SIZE: B Q		SECTION:		
			DECRIT PAR/LOGGED BY: T. ALVI		
			DATE: May 14 / 87		
OBJECTIF/PURPOSE: EM - VLF anomaly	SYSTEME DE MESURES/SYSTEM OF MEASURES: SI (Metric)		COMMENCE/STARTED: May 10 / 87		
			TERMINE/COMPLETED: May 13 / 87		
TESTS 48° @ 121,9 M. 51½° @ 249,6 M.			Samples - 83		

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	AS ppm			
0	21,9	CASING — Overburden									
21,9	38,2	GRANODIORITE									
38,2	42,8	ALTERED GRANODIORITE									
42,8	73,1	GRANODIORITE									
73,1	78,5	ALTERED GRANODIORITE									
78,5	85,6	GRANODIORITE									
85,6	94,2	ALTERED GRANODIORITE									
94,2	164,6	GRANODIORITE									
164,6	176,0	ALTERED GRANODIORITE									
176,0	192,9	GRANODIORITE									
192,9	201,5	ALTERED GRANODIORITE									
201,5	236,7	GRANODIORITE									
236,7	248,1	ALTERED GRANODIORITE									
248,1	249,6	GRANODIORITE	249,6	END	of.	HOLE					

COORDONNEES DE L'ORIFICE / COLLAR COORDINATES

LATITUDE: 4730 N LONGITUDE: 18+25 W

JOURNAL DE SONDAGE / DRILL HOLE RECORD

SONDAGE No:
HOLE No: JO 87-3

PROPRIETE / PROPERTY Joutel - Poirier

ELEVATION: AZIMUTH: 225°

INCLINAISON/DIP: 50°

TYPE DE FORAGE / TYPE OF DRILLING: DIAMOND

CLAIM NO: 164 800 - 1

FORAGES du NORD

SECTION:

LONGUEUR/LENGTH: 249,6 M

DIMENSION DE LA CAROTTE/CORE SIZE: B Q

DECRIE PAR/LOGGED BY: T. ALVI

OBJECTIF/PURPOSE: Au

SYSTEME DE MESURES/SYSTEM OF MEASURES: Metric (SI)

DATE: May 14 / 87

TESTS 48° @ 121,9 M. 51 1/2° @ 249,6 M.

COMMENCE/STARTED: May 10 / 87

TERMINE/COMPLETED: May 13 / 87

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	As ppm			
0	21,9	CASING Overburden									
21,9	38,2	GRANODIORITE Medium grained, massive, mesocratic pink-gray-black, fractured ~ 50° CA, patches of Carbonatization and Silicification usually associated with fractures, some limonitic alteration Comp: 40% Qtz 30% mafics 30% Plag (40% Hematization and minor K-spar?)									
		- Idem, limonitic staining	87001	21,9	22,4	0,5	<5				
		- Idem, limonite staining	87002	22,4	23,1	0,7	<5				
		- Idem, minor limonitic staining	87003	23,1	23,6	0,5	<5				
		- Idem, Carbonatization	87004	30,3	31,2	0,9	<5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: 50 87-3
 HOLE no: 50 87-3
 PAGE: 3 DE/OF 12

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	As ppm	Ag gtm		Au ppb
		-Idem, Carbonatized	87005	36,0	36,8	0,8	<5				
38,2	42,8	<u>ALTERATION ZONE</u>									
		Silicified with Potassic (pink) and Carbonic alteration, fine to medium grained, zones of poorly developed foliation/banding ~ 45-60° CA, limonitic (brown) zones, irregular Quartz + Carbonate veins and strings, gray to pink colour, traces of disseminated pyrite, 5-15% pyrite in veins and limonite zones									
		-Idem, limonite, whole rock analysis # 167064	87006	38,2	38,7	0,5	1400		1,47		1435
		-Idem,	87007	38,7	39,9	1,2	<5				
		-Idem, limonite	87008	39,9	40,3	0,4	35				
		-Idem, 20 cm brecciated Qtz-limonite zone	87009	40,3	40,8	0,5	230				
		-Idem	87010	40,8	41,9	1,1	<5				
		-Idem	87011	41,9	42,8	0,9	<5				
42,8	73,1	<u>GRANODIORITE</u>									
		- similar to previous, 0-3% disseminated pyrite in strong alteration halo									
		-Idem, 20 cm of limonite staining	87012	43,4	44,7	1,3	<5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-3
 HOLE no: JO 87-3
 PAGE 6 DE/OF 12

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	As ppm	Au g/t		Au moyen ppb
85,6	94,2	<u>ALTERATION ZONE</u>									
		Carbonatized with minor Potassic (Pink) and silice alteration, fine to medium grained, massive to granular, more intensely altered section show a poor foliation ~ 50° CA,									
		0-10% fine disseminated pyrite, gray-pink-blue									
		- Edem	87031	85,6	86,1	0,5	<5				
		20 cm Qtz-limonite zone 10% fine pyrite whole rock analysis # 167065	87032	86,1	86,6	0,5	3430		9,31		6370
		- Carbonatized	87033	86,6	87,6	1,0	10				
		- Edem	87034	87,6	89,1	1,5	10				
		- Edem foliated pink	87035	89,1	90,6	1,5	50				
		Carbonatized pink	87036	90,6	92,1	1,5	5				
		Edem granular blue-gray	87037	92,1	93,6	1,5	<5				
94,2	164,6	<u>GRANODIORITE</u>									
		- similar to previous massive medium grained, small alteration zones about larger veins, patches of limonite staining									
		minor Carbonatization	87038	100,1	100,5	0,4	<5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: 50 87-3
 HOLE no: 50 87-3
 PAGE: 7 DE/OF 12

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	AS ppm			
		Idem	87039	106,6	106,9	0,3	<5				
		Carbonatized	87040	114,6	115,3	0,7	<5				
		Idem, traces of pyrite	87041	115,3	116,2	0,9	<5				
		Carbonatized, traces of pyrite	87042	118,4	119,1	0,7	<5				
		Idem, 0-5% pyrite, fracture foliation ~ 50° CA	87043	119,1	119,9	0,8	10				
		Carbonatized, limonitic stains	87044	125,7	126,4	0,6	<5				
		Idem	87045	137,8	138,2	0,4	<5				
		Carbonatized, 1 cm Carbonate - Qtz vein ~ 30° CA	87046	146,5	147,8	0,3	<5				
		Carbonatized, 2 x 1cm Carb.-Qtz veins ~ 45° CA	87047	150,5	151,0	0,5	<5				
		Carbonatized	87048	164,0	164,6	0,6	<5				
164,6	169,9	ALTERATION ZONE									
		Carbonatized, minor Silicification medium grained, granular, frequently fractured and cut by Carbonate - Qtz veins ~ 50° CA, alteration is most intense around veins, disseminated fine pyrite ~ 1% pyrite in veins 0-5%									
		Idem, 1 cm Qtz vein 75° CA	87049	164,6	165,5	0,9	265				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-3
 HOLE no: JO 87-3
 PAGE 8 DE/OF 12

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	AS ppm			
		1cm Qtz. vein ~ 50° CA, 2cm Carb.-Qtz vein ~ 40° CA	87050	165,5	166,2	0,7	<5				
		Carbonatized	87051	166,2	167,0	0,8	<5				
		Idem, 1cm Carb-Qtz vein ~ 75° CA	87052	167,0	168,0	1,0	30				
		Idem, 1cm Carb-Qtz vein 45° CA	87053	168,0	169,0	1,0	10				
		Carbonatized	87054	169,0	169,9	0,9	5				
169,9	176,0	<u>Discontinuously Altered Granodiorite</u> - alteration is same as above but is confined to alteration halos about veins - 50% Granodiorite									
		Idem	87055	169,9	170,9	1,0	<5				
		Idem	87056	170,9	172,1	1,2	<5				
		Idem	87057	172,6	173,3	0,7	10				
		Idem	87058	173,3	174,3	1,0	<5				
		Idem	87059	174,3	175,2	0,9	<5				
		Idem, 1cm Carbonate-Qtz. vein ~ 45° CA	87060	175,2	176,0	0,8	<5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-3
 HOLE no: JO 87-3
 PAGE 9 DE/OF 12

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	As ppm			
176,0	192,9	GRANO DIORITE									
		- similar to previous									
		Carbonatized	87061	189,1	189,7	0,6	<5				
192,9	201,5	ALTERATION ZONE									
		- similar to previous									
		- alteration intensity varies									
		Idem	87062	192,9	194,0	1,1	<5				
		Idem highly fractured	87063	194,0	195,2	1,2	<5				
		Idem less fractured	87064	195,2	196,4	1,2	<5				
		Idem	87065	196,4	197,5	1,1	5				
		Idem	87066	197,5	198,6	1,1	<5				
		Idem	87067	198,6	199,7	1,1	<5				
		Idem	87068	199,7	200,5	0,8	<5				
		Idem	87069	200,5	201,5	1,0	<5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-3
 HOLE no: JO 87-3
 PAGE: 10 DE/OF 12

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	AS ppm			
201,5	236,7	GRANODIORITE - similar to previous									
		Carbonatized	87070	201,5	202,1	0,6	<5				
		Idem	87071	212,7	213,2	0,5	<5				
		Idem, whole rock analysis # 167066	87072	216,7	217,2	0,5	<5				
		Idem, fractured	87073	234,4	234,8	0,4	<5				
236,7	248,1	Alteration Zone Carbonatized, recrystallized, poor occasional foliation ~ 35° CA, dark gray-green, some silicification, traces of fine disseminated pyrite, occasional unmineralized granodioritic zone									
		Idem	87074	236,7	238,1	1,4	<5				
		Idem	87075	238,1	239,6	1,5	<5				
		Idem	87076	239,6	241,1	1,5	<5				
		Idem	87077	241,1	242,1	1,0	<5				

RESSOURCES ONYX Inc.
JOURNAL DE SONDAGE / DRILL HOLE RECORD

SONDAGE No: JO 87-4
HOLE No: JO 87-4

PROPRIÉTÉ / PROPERTY JOUTFL-POIRIER

COORDONNÉES DE L'ORIFICE / COLLAR COORDINATES

LATITUDE: 1+00 S LONGITUDE: 1+00 W

ELEVATION: AZIMUTH: 40°

INCLINAISON/DIP: 50° TYPE DE FORAGE/TYPE OF DRILLING: DIAMOND

CLAIM NO: 164 801-4

Forages du Nord

SECTION: Line 1+00 W

LONGUEUR/LENGTH: 255,7 M. DIMENSION DE LA CAROTTE/CORE SIZE: B Q

DECRIT PAR/LOGGED BY: T. ALVI

DATE: May 21 / 87

OBJECTIF/PURPOSE: IP - Resistivity anomaly SYSTEME DE MESURES/SYSTEM OF MEASURES: SI (Metric)
EM-VLF anomaly

COMMENCE/STARTED:

TERMINE/COMPLETED: May 19 / 87

TESTS

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	AS ppm			
0	6,4	CASING Overburden									
6,4	255,7	DIORITE medium grained massive mesocratic - blue/gray speckled, occasional Carbonate and Chlorite alteration, tr- 1% disseminated fine pyrite, occasional fractures with oxidized pyrite, gradual contact Comp: Mafics 30% Plagioclase 60% Qtz + K-Spar < 10% Chlorite + Carbonate < 5% Pyrite tr- 1%									
		Idem	87092	9,2	9,6	0,4	20				
		Idem 10% oxidized pyrite	87093	16,1	16,6	0,5	55				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: J0 87-4
 HOLE no: J0 87-4
 PAGE: 3 DE/OF 10

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	AS ppm			
		20,4 - 28,9									
		<u>ALTERED DIORITE</u>									
		Moderately carbonatized with slight chloritization and recrystallization, some parts poorly foliated ~ 50° CA, traces of fine disseminated pyrite, gradational contact									
		Idem	87094	20,4	21,4	1,0	<5				
		Idem	87095	23,5	24,1	0,6	<5				
		Idem	87096	24,8	25,6	0,8	<5				
		Idem	87097	26,0	26,9	0,9	<5				
		Idem	87098	28,1	28,9	0,8	<5				
		28,9 - 41,7 <u>DIORITE</u>									
		- gradational contact									
		Idem, 1cm irregular Qtz. vein ~ 10° CA	87099	29,5	30,1	0,6	<5				
		Idem	87100	38,0	38,5	0,5	<5				
		Carbonatized Diorite	87101	40,8	41,7	0,9	<5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-4
 HOLE no: JO 87-4
 PAGE 4 DE/OF 10

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	AS ppm			
		41,7 - 85,1									
		<u>ALTERED DIORITE</u>									
		Carbonatized and Silicified, massive to granular, intensity varies, gradational contact									
		Idem, fractured, leucocratic	87102	41,7	43,1	1,4	<5				
		Idem	87103	43,1	44,6	1,5	<5				
		Idem	87104	44,6	45,3	0,7	<5				
		Carbonatized + Silicified fractured, 1% fine disseminated pyrite	87105	45,3	46,1	0,9	<5				
		Carbonatized + Silicified, 5cm irregular limonite zone, 5-10% disseminated pyrite	87083	46,1	46,9	0,8	105				
		Carbonatized, poor foliation ~ 50° CK, 5% disseminated pyrite	87106	46,9	47,7	0,8	<5				
		Idem	87107	47,7	48,6	0,9	5				
		Idem, 15% disseminated pyrite 20% fine pyrite in Carbonate + Qtz. strings	87084	48,6	49,5	0,9	<5				
		Idem	87085	49,5	50,5	1,0	<5				
		Idem, granular, gray	87086	50,5	51,3	0,8	<5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-9
 HOLE no:
 PAGE: 5 DE/OF 10

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	AS ppm			
		Idem, 2 cm limonite zone	87087	51,3	52,2	0,9	<5				
		Idem, no limonite	87108	52,2	53,1	0,9	<5				
		Idem, several 1-2 cm limonitic zones, 10% disseminated pyrite	87088	53,1	53,9	0,8	<5				
		Carbonatized, Silicified, recrystallized, minor limonitic zones, 1% fine disseminated pyrite	87120	53,9	54,6	0,7	<5				
		Silicified, fractured, leucocratic, 20 cm Rhyolite (?) xenolith ~ 50° CA	87121	54,6	55,7	1,1	<5				
		Silicified, fractured, leucocratic, occasional minor limonitic zones, hematite spotting (1-15 mm) common, minor carbonatization	87122	55,7	56,9	1,2	<5				
		Idem	87123	56,9	58,0	1,1	<5				
		Idem	87124	58,0	59,0	1,0	<5				
		Idem	87125	59,0	60,0	1,0	<5				
		Idem	87126	60,0	61,0	1,0	<5				
		Idem, 2 cm limonitic zone ~ 50° CA	87127	61,0	61,9	0,9	<5				
		Idem, no limonite	87128	61,9	62,7	0,8	<5				
		Silicified, Carbonatized granular minor limonite/leucocratic	87129	62,7	64,1	1,4	<5				
		Idem fractured 5 cm limonite zone 1-3% pyrite	87089	64,1	65,0	0,9	<5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: J0 87-4
 HOLE no: J0 87-4
 PAGE: 6 DE/OF 10

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	AS ppm			
		Silicified Carbonatized granular, fractured, traces fine disseminated pyrite	87130	65,0	66,1	1,1	<5				
		Idem	87131	66,1	66,9	0,8	<5				
		Silicified Carbonatized fractured, Hematitic staining - pink	87132	66,9	67,7	0,8	<5				
		Idem but less fractured	87133	72,2	73,1	0,9	<5				
		Idem, 3 cm Qtz + Carbonat vein ~ 30° CA	87134	77,6	78,2	0,6	<5				
		Carbonatized, Silicified, poor foliation ~ 50° CA, traces of fine disseminated pyrite	87135	79,3	80,3	1,0	<5				
		Carbonatized, Silicified, granular, 40 cm. Qtz vein ~ 30° CA, 5% disseminated fine pyrite	87090	80,3	81,2	0,9	20				
		Idem but no Qtz vein	87091	81,2	81,8	0,6	<5				
		Carbonatized, granular, traces of pyrite	87136	81,8	82,8	1,0	<5				
		Idem, poor foliation ~ 35° CA	87137	82,8	83,8	1,0	<5				
		Silicified, Carbonatized, fractured, Hematitic spots 5-10 mm	87138	83,8	85,1	1,3	<5				
		85,1 - 149,9 <u>DIORITE</u>									
		minor Carbonatization	87139	86,0	86,9	0,9	<5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
 HOLE no: 5087-4
 PAGE: 8 DE/OF 10

FORMATION			ECHANTILLON/SAMPLE			ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	AS ppm			
	153,0 - 191,9	<u>DIORITE</u>									
		5 cm irregular Quartz - Carbonate vein	87152	154,3	154,8	0,5	<5				
		Carbonatized, 3 cm. irregular Quartz - Carbonate vein	87153	155,1	155,8	0,7	<5				
		Carbonatized, 10 cm irregular Qtz. - Carbonate vein	87154	155,8	156,3	0,5	<5				
		Diorite, 3 cm. Qtz. vein ~ 85° CA	87155	167,0	167,4	0,4	<5				
		10 cm Quartz vein with massive chlorite	87156	174,3	174,8	0,5	<5				
		Diorite, slight Silicification	87157	188,0	188,5	0,5	<5				
	191,9 - 196,7	<u>ALTERED DIORITE</u>									
		Silicified with moderate chloritization (Talc-chlorite), recrystallized - often granular, brittle									
		65% Qtz									
		35% chlorite + Talc									
		- speckled green - white									
		Idem	87158	193,6	194,8	1,2	<5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-4
 HOLE no: JO 87-4
 PAGE: 9 DE/OF 10

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	AS ppm			
	196,7 - 232,3	<u>DIORITE</u>									
		- occasional minor silicification and carbonatization									
		Idem, 5 cm shear ~ 40° CA	87159	199,0	199,3	0,3	<5				
		Diorite, 1 cm Qtz vein ~ 20° CA	87160	205,6	205,9	0,3	<5				
		Chloritized Volcanic (?) fine grained, green, soft, silicified, 1% fine to medium anhedral py. porphyroblast, Carbonatized, core broken at contact	87161	210,6	211,6	1,0	<5				
		Diorite 3 cm Qtz-chlorite vein ~ 50° CA	87162	221,8	222,0	0,2	<5				
	232,3 - 255,7	<u>ALTERED DIORITE</u>									
		Diorite with 15 - 25% Chlorite + Talc - speckled black-green-gray									
		Idem	87163	239,9	240,6	0,7	<5				
		Idem, Sheared, Silicified	87164	241,9	242,6	0,7	<5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
 HOLE no: J O 87-4
 PAGE: 10 DE/OF 10

FORMATION			ÉCHANTILLON/SAMPLE			ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	AS ppm			
		Chloritized Tuff (?) ~ 60° CA	87165	242,6	243,1	0,5	<5				
		Sheared + Carbonatized	87166	243,1	243,8	0,7	<5				
		Sheared traces of pyrite	87167	245,7	246,3	0,6	<5				
		Chloritized Tuff (?) ~ 45° CA	87168	251,9	253,2	1,3	<5				
		Carbonatized + Silicified	87169	254,6	255,7	1,1	<5				
		End of Hole									
		The Core is stored at 53 Rue Allard in Val d'Or, Quebec.									
		The hole consists primarily of fresh Diorite, although several alteration intervals are seen. The largest and strongest alteration zone is in the upper 1/3 of the hole, which also contains varying amounts (1-20%) of disseminated pyrite. Alteration is usually Silicification and Carbonatization, with some chloritization occurring towards the bottom of the hole.									

T. J. ... BSc. Geology

RESSOURCES ONYX Inc.

JOURNAL DE SONDAGE / DRILL HOLE RECORD

SONDAGE No:
HOLE No: JO 87-5

PROPRIETE/PROPERTY JOUTEL - POIRIER

COORDONNÉES DE L'ORIFICE / COLLAR COORDINATES											
LATITUDE: 2+50N LONGITUDE: 1+00W											
ELEVATION: AZIMUTH: 40°											
INCLINAISON/DIP: 50°			TYPE DE FORAGE/TYPE OF DRILLING: DIAMOND				CLAIM NO: 164 800 - 4				
			FORAGES du NORD				SECTION: L 1+00 W				
LONGUEUR/LENGTH: 253,30 m.			DIMENSION DE LA CAROTTE/CORE SIZE: BQ				DECRIE PAR/LOGGED BY: T. ALVI, BSc.				
							DATE: June 5/87				
OBJECTIF/PURPOSE: EM-VLF anomaly			SYSTEME DE MESURES/SYSTEM OF MEASURES: SI				COMMENCE/STARTED: May 20 / 87				
							TERMINE/COMPLETED: May 30 / 87				
TESTS 49 1/2° @ 121,92 m.			52° @ 247,19 m.								
FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	AS ppm			
0	8,5	CASING									
		Overburden									
8,5	14,7	ALTERED + FRACTURED INTRUSIVE (DIORITE) ?									
		Silicified, minor Carbonatization, 15-20%									
		Hematitic spots + stains, brittle fracture, mesocratic, gradational contact									
		Idem	85059	8,5	10,0	1,5	<5				
		Idem	85060	10,0	11,5	1,5	<5				
		Idem	85061	11,5	13,0	1,5	<5				
		Idem	85062	13,0	14,5	1,5	<5				
		Idem, transition to next zone	85063	14,5	15,0	0,5	<5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-5
 HOLE no: JO 87-5
 PAGE: 5 DE/OF 21

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	AS ppm				
22,2	28,4	ANDESITE										
		Fine grained, massive, melanocratic frequent Imm leucoxena (?) spots, sometimes fractured,										
		Idem	85066	22,2	22,8	0,6	<5					
		Idem	85067	22,8	23,4	0,6	70					
		Idem	85068	23,4	24,4	1,0	<5					
		Idem	85069	24,4	25,1	0,7	<5					
		Idem	85070	25,1	25,9	0,8	<5					
		Idem	85071	25,9	26,6	0,7	<5					
		Idem	85072	26,6	27,4	0,8	<5					
		Idem	85073	27,4	28,1	0,7	<5					
		Idem	85074	28,1	28,9	0,8	<5					
		Idem	85075	28,9	29,6	0,7	<5					
		Idem	85076	29,6	30,3	0,7	<5					
		Idem	85077	30,3	31,1	0,8	<5					

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
 HOLE no: JO 87-5
 PAGE: 6 DE/OF 21

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	AS ppm			
		Idem	85078	31,1	31,8	0,7	<5				
		Idem	85079	31,8	32,4	0,6	<5				
		Idem	85080	32,4	33,0	0,6	<5				
		Idem, 1cm Qtz vein ~ 75° CA	85081	33,0	33,5	0,5	<5				
		Idem, 2 cm Qtz vein ~ 75° CA	85082	33,5	34,3	0,8	<5				
		Idem, 2 cm Qtz vein ~ 80° CA	85083	34,3	35,1	0,8	<5				
		Idem, no veins	85084	35,1	35,8	0,7	<5				
		35,8 - 40,6 <u>DIORITE</u> (Dyke)									
		medium grained, magmatic massive.									
		shows chill margins									
		occasional 1-2 cm Qtz-chlorite vein.									
		Idem	85085	35,8	36,2	0,4	<5				
		Idem	85086	36,2	37,4	1,2	<5				
		Idem	85087	37,4	38,3	0,9	<5				
		Idem	85088	38,3	39,0	0,7	<5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
 HOLE no: JO 87-5
 PAGE 7 DE/OF 21

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	As ppm			
		Idem	85089	39,0	39,8	0,8	<5				
		Idem	85090	39,8	40,6	0,8	5				
		40,6 - 48,6 <u>ANDESITE</u> small patches altered to Diorite									
		Idem	85091	40,6	41,8	1,2	<5				
		Idem	85092	41,8	42,8	1,0	<5				
		Idem	85093	42,8	43,5	0,7	<5				
		Idem	85094	43,5	44,4	0,9	<5				
		Idem	85095	44,4	45,1	0,7	<5				
		Idem	85096	45,1	45,7	0,6	<5				
		Idem	85097	45,7	47,1	1,4	<5				
		Idem	85098	47,1	47,7	0,6	<5				
		Idem	85099	47,7	48,6	0,9	<5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: 50 87-5
 HOLE no: 50 87-5
 PAGE: 8 DE/OF 21

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	AS ppm			
	48,6 - 51,5	<u>DIORITE (Dyke)</u> 5 cm gradational contact									
	Idem		85100	48,6	49,7	1,1	<5				
	- Idem	3 cm Qtz vein, irregular contact	85101	49,7	50,8	1,1	<5				
	- Idem	no vein	85102	50,8	51,5	0,7	<5				
	51,5 - 59,0	<u>ALTERED VOLCANIC (Andesite?)</u> fine grained, locally recrystallized to medium grained Diorite, massive, melanocratic, carbonatized, locally fractured gray-black									
	Idem	2 cm Qtz vein 75° CA	85103	51,5	51,9	0,4	<5				
	Idem	1 cm Carbonate vein 70° CA	85104	51,9	52,5	0,6	<5				
	Idem	Altered Volcanic	85105	52,5	53,2	0,7	<5				
	Idem		85106	53,2	54,5	1,3	<5				
	Idem	Two 2 cm Qtz - Carbonate - Chlorite veins ~ 80° CA	85107	54,5	55,2	0,7	<5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-5
 HOLE no: JO 87-5
 PAGE: 11 DE/GF 21

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS			
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %
		Idem, 3 cm. Atz vein - 50°C A	85125	77,2	78,3	1,1	<5			
		Chloritized,	85126	78,3	79,6	1,3	<5			
		77,6 - 83,0 <u>VOLCANIC (Andesite)</u>								
		Fine to medium grained, melanocratic, massive,								
		Fine grained	85127	79,6	80,4	0,8	<5			
		83,0 - 86,1 <u>DIORITE (dyke?)</u> contact gradational								
		Idem, slightly pink - Hematite or K+	85128	83,0	84,1	1,1	<5			
		86,1 - 88,4 <u>VOLCANIC (Andesite)</u> contact gradational								
		Idem	85129	86,1	86,6	0,5	<5			

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-5
 HOLE no:
 PAGE: 12 DE/CF 21

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS			
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %
88,4	106,6	<u>DIORITE</u>								
		Same as previous								
		Idem	85130	88,4	88,8	0,4	<5			
		Slightly silicified, gray, 1 cm Qtz - Carbonate-chlorite vein ~ 25° CA, poor foliation ~ 45° CA	85131	90,4	91,4	1,0	5			
		DIORITE, slightly pink - Hematite or K+	85132	95,7	96,8	1,1	<5			
		<u>99,0 - 102,2 ALTERED DIORITE</u>								
		Carbonatized, slight Silicification and Potassification, medium grained granular, fractured, occasional poor fracture foliation ~ 50° CA, pink to dark gray, gradational contact								
		Idem, pink	85133	99,0	100,0	1,0	<5			
		Idem, 1 cm Qtz vein ~ 40° CA	85134	100,0	100,9	0,9	50			
		Gray	85135	100,9	102,2	1,3	<5			

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
HOLE no: JO 87-5
PAGE: 14 DE/OF 21

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS			
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %
		Gray, Silicified	85142	115,4	116,1	0,7	<5			
		Idem, 10 cm Qtz vein ~ 45° CA	85143	116,1	116,7	0,6	<5			
		Chloritized, 10 cm Chlorite-Qtz-Carbonate vein ~ 45° CA, may be chloritized tuff (?) - green gray	85144	116,7	117,4	0,7	<5			
		Idem, no vein	85145	117,4	118,1	0,7	<5			
		Altered Granodiorite	85146	118,1	119,4	1,3	<5			
		Idem	85147	119,4	120,5	1,1	<5			
		Idem	85148	120,5	121,9	1,4	<5			
		Idem	85149	121,9	123,0	1,1	<5			
		Idem	85150	123,0	124,3	1,3	<5			
		Idem	85151	124,3	125,5	1,2	<5			
		Idem, 2 cm Qtz-Chlorite vein ~ 60° CA	85152	125,5	126,7	1,2	<5			
		Idem, no vein	85153	126,7	127,7	1,0	<5			
		Idem, 5 cm Qtz vein fragment	85154	127,7	129,0	1,3	<5			
		Idem, no vein	85155	129,0	130,1	1,1	<5			
		Idem	85156	130,1	131,0	0,9	<5			

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
 HOLE no: JO 87 - 10
 PAGE: 13 DE/OF 18

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
		213,6 - 221,6 GRANODIORITE										
		similar to previous, but less alteration										
		Idem	156481	213,6	214,9	1,3	<5					
		Idem	156482	220,5	221,6	1,1	<5					
		221,6 - 227,3 ALTERED GRANODIORITE										
		carbonatized, silicified granular occasional groundioritic bands locally foliated parallel to Qtz-carbonate stringers ~ 60° CA traces of pyrite, slightly potassified										
		Idem	156483	221,6	222,8	1,2	<5					
		Idem	156484	222,8	223,9	1,1	<5					
		Idem	156485	223,9	225,1	1,2	<5					
		Idem	156486	225,1	226,3	1,2	<5					
		Idem	156487	226,3	227,3	1,0	<5					

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-10
 HOLE no: JO 87-10
 PAGE: 14 DE/OF 18

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS			
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %
	227,3 - 233,8	VEINED GRANODIORITE								
		slightly carbonatized granodiorite dissected by carbonate stringers and small fractures traces of pyrite associated with stringers,								
		Idem	156488	227,3	228,4	1,1	<5			
		Idem	156489	228,4	229,5	1,1	<5			
		Idem	156490	229,5	230,6	1,1	<5			
		Idem	156491	230,6	231,7	1,1	<5			
		Idem	156492	231,7	232,9	1,2	<5			
		Idem	156493	232,9	233,8	0,9	<5			
	233,8 - 253,5	ALTERED GRANODIORITE								
		same as previous								
			156494	233,8	234,9	1,1	<5			

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: HOLE no: JO 87-10
PAGE 16 DE/OF 18

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS			
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %
		Idem	156510	251,2	252,3	1,1	<5			
		Idem	156511	252,3	253,5	1,2	<5			
		253,5 - 266,7 <u>GRANODIORITE</u>								
		similar to previous but only minor stringers								
		Idem	156512	253,5	254,4	0,9	<5			
		Idem	156513	260,1	261,2	1,1	<5			
			156514	265,7	266,7	1,0	<5			
		266,7 - 272,9 <u>ALTERED GRANODIORITE</u>								
		carbonatized, silicified, granular, locally fractured, granodioritic zones, Qtz - carbonate stringers ~ 75° CA, gray - pink - black								
		Idem	156515	266,7	265,7	1,0	45			

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-10
 HOLE no: JO 87-10
 PAGE: 18 DE/OF 18

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS			
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %
	292,4 - 302,7	ALTERED GRAVDIORITE								
		carbonatized, silicified, some sections sheared and chloritized carbonate veins and stringers, granular, gray-green - pink								
		Idem	156527	292,4	293,5	1,1	<5			
		Idem	156528	293,5	294,5	1,0	<5			
		chloritized, granular + green	156529	294,5	295,5	1,0	<5			
		10 cm chloritized shear ~ 40° CA whole rock analysis # 167059	156530	295,5	296,5	1,0	<5			
		carbonatized, 10 cm shear ~ 40° CA	156531	296,5	297,6	1,1	5			
		chloritized, 10 cm shear ~ 40° CA	156532	297,6	298,7	1,1	<5			
		carbonatized, 10 cm shear ~ 40° CA	156533	298,7	299,8	1,1	<5			
		carbonatized	156534	299,8	301,0	1,2	<5			
		Idem, traces of pyrite	156535	301,0	301,9	0,9	<5			
		Idem	156536	301,9	302,7	0,8	<5			
302,7		END of HOLE								
		The core is stored at 53 Rue Allard Val d'Or, Que.								

T. J. ... BSC Geology

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: 50 87-11
 HOLE no: 50 87-11
 PAGE: 3 DE/OF 9

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS			
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %
		Idem	156552	32,9	34,0	1,1	<5			
		Foliated	156553	34,0	35,1	1,1	<5			
		foliated	156554	35,1	36,2	1,1	<5			
		foliated, dioritic intervals	156555	36,2	37,4	1,2	<5			
		local fracture foliation ~ 70° CIA	156556	37,4	38,6	1,2	5			
		fracture foliation	156557	38,6	39,7	1,1	<5			
		limonitized near bottom	156558	39,7	40,9	1,2	<5			
		limonitized + foliated near top	156559	40,9	42,1	1,2	<5			
		dioritic intervals	156560	42,1	43,2	1,1	<5			
		60 cm basaltic dyke ~ 90° CIA	156561	43,2	44,1	0,9	<5			
		dioritic intervals	156562	44,1	44,6	0,5	<5			
		44,6- 66,9 ALTERED DIORITE								
		carbonatized, silicified, recrystallized, granular, gray								
		Idem	156563	44,6	45,7	1,1	<5			

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: HOLE no: JO 87-11
PAGE: 5 DE/OF 9

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
		Idem	156579	62,8	64,0	1,2	<5					
		Idem	156580	64,0	65,2	1,2	<5					
		Idem	156581	65,2	66,1	0,9	<5					
		Idem	156582	66,1	66,9	0,8	<5					
66,9	124,1	GRANODIORITE										
		speckled gray-pink-black medium grained, mesocratic, locally carbonatized massive,										
		Idem	156583	66,1	67,2	1,1	<5					
		irregular Qtz-carbonate-chlorite veins	156584	71,9	73,2	1,3	<5					
		Idem	156585	73,2	74,6	1,4	<5					
		granodiorite	156586	80,3	81,4	1,1	<5					
		Idem	156587	86,5	87,5	1,0	<5					
		Idem	156588	92,5	93,6	1,1	<5					

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
HOLE no: JO 87-11
PAGE: 6 DE/OF 9

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
		minor silicification	156589	93,6	94,6	1,0	<5					
		Idem, 1 cm carbonate vein ~ 25° CA	156590	94,6	95,8	1,2	<5					
		granodiorite	156591	95,8	96,9	1,1	<5					
		carbonatized, silicified	156592	96,9	98,1	1,2	150					
		Idem, 30 cm chlorite/mafic band with 35% pyrite	156593	98,1	99,3	1,2	35					
		carbonatized, silicified	156594	99,3	100,4	1,1	<5					
		granodiorite	156595	100,4	101,4	1,0	<5					
		Idem	156596	107,7	108,8	1,1	<5					
		1 cm Qtz-carbonate vein ~ 20° CA	156597	112,5	113,6	1,1	<5					
		minor carbonatization, Qtz-carbonate stringers	156598	123,0	124,1	1,1	5					
124,1	152,4	DIORITE										
		melanocratic, chloritized, medium grained, dissected by carbonate stringers, carbonatized locally, massive										
		Idem	156599	127,9	128,9	1,0	<5					
		Idem	156600	128,9	129,9	1,0	5					

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
 HOLE no: JO 87-11
 PAGE: 7 DE/OF 9

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
		129,9-143,7 ALTERED DIORITE										
		varying degrees of carbonatization and silicification, dissected by irregular randomly oriented carbonate - Qtz stringers										
		Idem	156601	129,9	131,0	1,1	<5					
		Idem	156602	131,0	132,1	1,1	5					
		Idem	156603	132,1	133,3	1,2	<5					
		Idem	156604	133,3	134,4	1,1	<5					
		Idem	156605	134,4	135,6	1,2	<5					
		Idem	156606	135,6	137,0	1,4	<5					
		Idem	156607	137,0	138,1	1,1	<5					
		Idem	156608	138,1	139,3	1,2	<5					
		Idem	156609	139,3	140,5	1,2	10					
		Idem	156610	140,5	141,6	1,1	<5					
		Idem	156611	141,6	142,8	1,2	5					
		Idem	156612	142,8	143,7	0,9	5					

RESSOURCES ONYX Inc.

JOURNAL DE SONDAGE / DRILL HOLE RECORD

COORDONNÉES DE L'ORIFICE / COLLAR COORDINATES
 LATITUDE: 9+50 N LONGITUDE: 9+00 W
 ELEVATION: AZIMUTH: 180°
 INCLINAISON/DIP: -50°
 LONGUEUR/LENGTH: 182,7 m
 OBJECTIF/PURPOSE: EM-VLF anomaly

TYPE DE FORAGE/TYPÉ OF DRILLING: DIAMOND
 LES FORAGES du NORO Inc.
 DIMENSION DE LA CAROTTE/CORE SIZE: 80

SONDAGE No:
 HOLE No: JO 87-12
 PROPRIÉTÉ / PROPERTY JOUTEL - POIRIER
 CLAIM NO: 164 796-3
 SECTION: 180°
 DÉCRIT PAR/LOGGED BY: T. ALUI
 DATE: July 17/87
 COMMENCE/STARTED: July 9/87
 TERMINE/COMPLETED: July 11/87

TESTS

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS			
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %
0	25,5	CASING - Overburden								
25,5	43,5	ALTERED GRANODIORITE								
		locally/discontinuously limonitized-carbonatized-silicified, fractured, frequent granodioritic intervals								
		limonitized, carbonatized,	156620	25,5	26,5	1,0	<5			
		Idem	156621	26,5	27,7	1,2	<5			
		Idem	156622	27,7	28,9	1,2	<5			
		Idem	156623	28,9	30,1	1,2	<5			
		granodioritic, limonitized	156624	30,1	31,3	1,2	10			
		Idem	156625	31,3	32,5	1,2	<5			
		silicified	156626	32,5	33,7	1,2	<5			
		silicified, limonitized	156627	33,7	34,8	1,1	<5			

RESSOURCES ONYX Inc.
JOURNAL DE SONDAGE / DRILL HOLE RECORD

COORDONNÉES DE L'ORIFICE / COLLAR COORDINATES

LATITUDE: 9+50 N LONGITUDE: 9+00 W

SONDAGE No:

HOLE No: JO 87-12

ELEVATION: AZIMUTH: 180°

PROPRIÉTÉ / PROPERTY JOUTEL - POIRIER

INCLINAISON/DIP: -50°

TYPE DE FORAGE / TYPE OF DRILLING: DIAMOND

CLAIM NO: 164 796-3

LES FORAGES du NORD Inc

SECTION: 180°

LONGUEUR/LENGTH: 182,7 m

DIMENSION DE LA CAROTTE/CORE SIZE: 80

DECRIE PAR/LOGGED BY: T. ALVI

DATE: July 17/87

OBJECTIF/PURPOSE: EM-VLF anomaly

SYSTÈME DE MESURES / SYSTEM OF MEASURES: S1

COMMENCE/STARTED: July 9/87

TERMINE/COMPLETED: July 11/87

TESTS

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS			
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %
0	25,5	CASING - Overburden								
25,5	43,5	ALTERED GRANODIORITE								
		locally/discontinuously limonitized - carbonatized - silicified, fractured, frequent granodioritic intervals								
		limonitized, carbonatized	156620	25,5	26,5	1,0	<5			
		Idem	156621	26,5	27,7	1,2	<5			
		Idem	156622	27,7	28,9	1,2	<5			
		Idem	156623	28,9	30,1	1,2	<5			
		granodioritic, limonitized	156624	30,1	31,3	1,2	10			
		Idem	156625	31,3	32,5	1,2	<5			
		silicified	156626	32,5	33,7	1,2	<5			
		silicified, limonitized	156627	33,7	34,8	1,1	<5			

JOURNAL DE SONDRAGE/DRILL HOLE RECORD

SONDRAGE no: JO 87-12
 HOLE no: JO 87-12
 PAGE: 3 DE/OF 6

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
		limonitized, silicified, carbonatized	156628	34,8	35,9	1,1	<5					
		Idem, intensely carbonatized	156629	35,9	36,9	1,0	<5					
		Idem	156630	36,9	37,6	0,7	<5					
		less intensely carbonatized	156631	37,6	38,7	1,1	<5					
		Idem	156632	38,7	39,9	1,2	<5					
		limonitized, carbonatized	156633	39,9	41,1	1,2	<5					
		Idem	156634	41,1	42,3	1,2	<5					
		carbonatized, silicified	156635	42,3	43,5	1,2	<5					
43,5	182,7	GRANODIORITE										
		mesocratic, medium grained, gray-black-green-purple massive, locally fractured and foliated, locally carbonatized and silicified, locally chloritized, alteration decreases with depth to become gray-pink-black granodiorite										
		carbonatized, silicified	156636	43,5	44,8	1,3	<5					
		silicified, chloritized	156637	53,1	54,3	1,2	<5					

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-12
 HOLE no: JO 87-12
 PAGE 4 DE/OF 6

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
		Idem	156638	54,3	55,3	1,0	<5					
		silicified	156639	59,7	60,8	1,1	<5					
		silicified, carbonatized, sheared ~ 65° CA	156640	60,8	62,0	1,2	<5					
		Idem	156641	62,0	63,3	1,3	<5					
		Idem	156642	63,3	64,6	1,3	<5					
		silicified, fractured	156643	65,7	67,1	1,4	<5					
		10 cm irregular Qtz- carbonate vein	156644	77,3	78,3	1,0	<5					
		Idem	156645	78,3	79,5	1,2	<5					
		granodiorite	156646	79,5	80,8	1,3	<5					
		carbonatized, silicified, fractured	156647	82,2	83,3	1,1	<5					
		Idem, limonitized	156648	83,3	84,4	1,1	<5					
		Idem, 15 cm broken Qtz vein ~ 45° CA	156649	84,4	85,5	1,1	<5					
		carbonatized silicified	156650	89,4	90,5	1,1	<5					
		granodiorite	156651	98,6	99,7	1,1	<5					
		Idem, 3 cm carbonate vein ~ 20° CA	156652	108,3	109,6	1,3	<5					

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: J0 87-12
 HOLE no: J0 87-12
 PAGE: 5 DE/OF 6

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
		granodiorite, 1cm carbonate vein ~ 20° CA	156653	117,1	118,2	1,1	<5					
		30 cm Qtz. vein ~ 60° CA	156654	124,8	126,1	1,3	<5					
		carbonatized, 20 cm irregular Qtz-carbonate vein	156655	126,1	127,4	1,3	<5					
		granodiorite	156656	135,1	136,2	1,1	<5					
		carbonatized	156657	136,8	137,9	1,1	<5					
		Idem, edge of a Qtz. vein ~ 30 cm long	156658	137,9	139,1	1,2	<5					
		carbonatized	156659	139,1	140,4	1,3	<5					
		Idem	156660	140,4	141,6	1,2	<5					
		carbonatized, silicified	156661	141,6	142,6	1,0	<5					
		Idem	156662	142,6	143,6	1,0	<5					
		Idem, poorly sheared ~ 40° CA	156663	143,6	144,8	1,2	<5					
		carbonatized, fractured/foliated irregular	156664	144,8	146,0	1,2	<5					
		Idem	156665	146,0	147,3	1,3	<5					
		carbonatized, 30 cm irregular broken Qtz. vein	156666	147,3	148,5	1,2	<5					
		minor carbonatization	156667	148,5	149,4	0,9	15					

RESSOURCES ONYX Inc.

JOURNAL DE SONDAGE / DRILL HOLE RECORD

SONDAGE No:

HOLE No: JO 87-13

PROPRIÉTÉ / PROPERTY JOUTEL - ROIRIER

COORDONNÉES DE L'ORIFICE / COLLAR COORDINATES			FORMATION				ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS			
LATITUDE: 16+50 N LONGITUDE: 2+00 W			DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %	
ELEVATION: AZIMUTH: 220°			TYPE DE FORAGE/TYPE OF DRILLING: DIAMOND			CLAIM NO: 161 087-5								
INCLINAISON/DIP: -50°			LES FORAGES du NORD Inc.			SECTION: L2W								
LONGUEUR/LENGTH: 153.6 m			DIMENSION DE LA CAROTTE/CORE SIZE: BQ			DECRIE PAR/LOGGED BY: T. ALVI, BSc				DATE: July 20/87				
OBJECTIF/PURPOSE: VLF/Mag. anomaly			SYSTEME DE MESURES/SYSTEM OF MEASURES: S1			COMMENCE/STARTED: July 13/87				TERMINE/COMPLETED: July 15/87				
TESTS 45° @ 76.2 m			45° @ 152.4 m.											
0			0	9.0	CASING - Overburden									
9.0			9.0	17	ALTERED and SHEARED (FELSIC EXTRUSIVE?)									
					sheared/foliated ~ 50° CA carbonatized + limonitized (ankerite), broken, brown-dark gray,									
					Idem	156701	9.0	10.0	1.0	<5				
					Idem	156702	10.0	11.2	1.2	<5				
					Idem	156703	11.2	12.4	1.2	<5				
					Idem	156704	12.4	13.6	1.2	<5				
					Idem	156705	13.6	14.9	1.3	<5				
					Idem	156706	14.9	16.1	1.2	<5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
HOLE no: JO 87-13
PAGE 3 DE/OF 7

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
		Idem	156707	16,1	17,3	1,2	<5					
		Idem	156708	17,3	18,5	1,2	<5					
		Idem	156709	18,5	19,7	1,2	<5					
19,7	53,5	ALTERED and SHEARED MAFIC EXTRUSIVE (GABBRO?)										
		sheared/foliated ~ 50° CA, brittle to friable carbonatized + limonitized (ankerite) brown - dark gray, locally 1% fine disseminated pyrite associated with carbonate stringers, locally hematized fine grained										
		Idem	156710	19,7	20,9	1,2	<5					
		Idem	156711	20,9	22,1	1,2	<5					
		Idem	156712	22,1	23,3	1,2	<5					
		Idem	156713	23,3	24,5	1,2	<5					
		Idem	156714	24,5	25,7	1,2	<5					
		Idem	156715	25,7	27,1	1,4	<5					
		Idem	156716	27,1	28,3	1,2	<5					

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE No
 No. de JO 87-13
 Page 5 sur 7

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
		Idem	156733	47,7	48,8	1,1	<5					
		Idem	156734	48,8	49,9	1,1	<5					
		Idem	156735	49,9	51,0	1,1	<5					
		Idem	156736	51,0	52,2	1,2	<5					
		Idem	156737	52,2	53,5	1,3	<5					
		Idem	156738	53,5	54,8	1,3	<5					
		Idem	156739	54,8	55,8	1,0	5					
		Idem	156740	55,8	57,1	1,3	<5					
		Idem	156741	57,1	58,5	1,4	<5					
58,5	153,6	GABBRO										
		green-black with irregular white carbonate strings, 5 m fine grained upper contact local patches of epidote, local leucoxene grains, medium grained, massive, dark										
		fine grained	156741	58,5	59,5	1,0						

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
 HOLE no: JO 87-14
 PAGE: 3 DE/OF 5

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
		Idem	156763	53,9	55,1	1,2	<5					
		Idem	156764	55,1	56,4	1,3	<5					
		Idem	156765	56,4	57,6	1,2	<5					
		Idem	156766	57,6	58,7	1,1	<5					
		Idem	156767	58,7	59,7	1,0	<5					
		Idem	156768	59,7	60,7	1,0	<5					
		Idem	156769	60,7	61,9	1,2	<5					
		Idem	156770	61,9	63,0	1,1	<5					
		Idem	156771	63,0	64,2	1,2	<5					
		Idem	156772	64,2	65,5	1,3	<5					
		Idem	156773	65,5	66,4	0,9	<5					
		66,4 - 156,1 RHYOLITE										
		- same as previous, minor chloritization										
		sheared ~ 45° CA	156774	69,2	70,3	1,1	<5					

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
 HOLE no: JO 87-14
 PAGE: 4 DE/OF 5

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
		rhyolite	156775	75,2	76,3	1,1	5					
		1 cm irregular carbonate-Qtz vein - 15° CA	156776	82,0	83,2	1,2	<5					
		rhyolite, traces of pyrite	156777	83,2	84,4	1,2	<5					
		rhyolite, 1 cm irregular Qtz vein	156778	86,5	87,5	1,0	<5					
		several carbonate-Qtz strings	156779	88,4	89,6	1,2	<5					
		10 cm limonitic zone ~ 65° CA	156780	93,9	95,0	1,1	<5					
		rhyolite	156781	95,8	96,9	1,1	<5					
		20 cm Qtz vein ~ 35° CA	156782	96,9	97,9	1,0	<5					
		30 cm Qtz vein ~ 30° CA	156783	97,9	99,0	1,2	<5					
		minor carbonatization	156784	105,5	106,4	0,9	<5					
		carbonatized 10 cm Qtz vein ~ 25° CA	156785	106,4	107,5	1,1	15					
		carbonatized	156786	107,5	108,7	1,2	<5					
		Idem 30 cm Qtz-limonitic zone	156787	108,7	109,9	1,2	<5					
		carbonatized	156788	109,9	111,0	1,1	<5					
		fractured, Qtz strings	156789	111,0	112,2	1,2	<5					
		Idem	156790	112,2	113,3	1,1	<5					

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-5
 HOLE no: JO 87-5
 PAGE: 15 DE/OF 21

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
		Idem	85157	133,0	133,8	0,8	<5					
		2 x 2 cm Shears ~ 20° CA, Chloritized	85158	136,7	137,7	1,0	<5					
139,0	181,7	<u>GRANODIORITE</u>										
		Gray - black, medium grained, massive										
		Idem	85159	137,7	138,2	0,5	<5					
		Idem	85160	141,5	142,3	0,8	<5					
		<u>142,3 - 1470 ALTERED GRANODIORITE</u> - pink, as previous										
		Pinkish	85161	142,3	143,2	0,8	<5					
		Silicified, blocky	85162	146,8	147,3	0,5	<5					

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-5
 HOLE no: JO 87-5
 PAGE: 18 DE/OF 21

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
		Idem.	85180	181,7	182,5	0,8	<5					
		Idem	85181	182,5	183,4	0,9	<5					
		Idem	85182	183,4	184,6	1,2	<5					
		10 cm brown (limonitic ?) zone 60 cm Qtz vein ~ 50° CA	85183	184,6	185,5	0,9	<5					
		2 x 5 cm Qtz veins - irregular contact	85184	187,4	188,0	0,6	<5					
		Carbonatized and recrystallized	85185	194,2	194,6	0,4	<5					
		Idem, 3 cm carbonate vein ~ 35° CA	85186	195,1	195,4	0,3	<5					
		greenish-chloritized	85187	197,0	197,4	0,4	<5					
197,4	253,3	<u>ANDESITE/BASALT</u>										
		dark gray, massive, slightly chloritized, locally fractured, frequent small (< 1 cm) Carbonate + Qtz veins + strings with irregular orientations, minor local carbonatization with hematitic (red) spots, appears locally as melanocratic Basalt Porphyry/Diorite										
		fractured	85188	205,0	205,5	0,5	<5					

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
 HOLE no: JO 87-5
 PAGE: 19 DE/OF 21

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS			
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	AY ppb	Ag	Cu %	Zn %
		Carbonatized, fractured, hematite spots	85189	212,7	213,3	0,6	<5			
		Idem	85190	214,6	215,3	0,7	<5			
		5 cm. Qtz- carbonate fragment	85191	216,9	217,3	0,4	<5			
		Carbonatized, fractured,	85192	220,6	221,3	0,7	<5			
227,4-243,8 ALTERED VOLCANIC (Basalt)										
		Carbonatized hematite spots, fractured, irregularly oriented carbonate stringers, minor potassification (pink)								
		fractured, 2 cm Carbonate vein ~75° CA	85193	227,4	227,9	0,5	<5			
		fractured.	85194	228,9	230,0	1,1	<5			
		fractured, greenish	85195	232,0	232,6	0,6	<5			
		potassic and hematitic alteration along fractures	85196	233,7	234,2	0,5	<5			

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-5
 HOLE no:
 PAGE: 21 DE/OF 21

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
		The core is stored at										
		53 Rue Allard										
		Val d'Or, Qué.										
		The hole appears to intersect at an acute angle, an irregular and possibly sheared contact										
		between intrusive (Diorite/Granodiorite) and extrusive (Rhyolite/Basalt/Andesite) rocks.										
		Carbonatization and silicification is apparent throughout the hole, and is in most cases caused by										
		the emplacement of Diorite dykes.										
		Sulphide mineralization is rare. A small sub-economic anomalous gold zone was encountered in										
		the upper part of the hole.										
		The VLF anomaly is probably the result of shearing alteration and minor hematite										
		found midway through the hole.										

Saker Amin B.Sc. Geology

RESSOURCES ONYX Inc

JOURNAL DE SONDAGE / DRILL HOLE RECORD

SONDAGE No:
HOLE No: JO 87-6

SUMMARY

PROPRIETE / PROPERTY JOUHEL- POIRIER

COORDONNÉES DE L'ORIFICE / COLLAR COORDINATES					
LATITUDE: 1100 N LONGITUDE: 5+00 W					
ELEVATION: AZIMUTH: 40°					
INCLINAISON/DIP: -50°		TYPE DE FORAGE/TYPE OF DRILLING: DIAMOND		CLAIM NO: 164 800-5	
			LES FORAGES DU NORD Inc.		SECTION: L 5+00 W
LONGUEUR/LENGTH: 189,30 m		DIMENSION DE LA CAROTTE/CORE SIZE: B G		DECRIE PAR/LOGGED BY: T. ALVI, BSc.	
			DATE: June 15/87		
OBJECTIF/PURPOSE: EM-VLF anomaly		SYSTÈME DE MESURES/SYSTEM OF MEASURES: SI		COMMENCE/STARTED: June 1/87	
			TERMINÉ/COMPLETED: June 3/87		

TESTS

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au	Ag	Cu %	Zn %		
0	9,0	Casing - Overburden										
9,0	32,6	GRANODIORITE										
32,6	35,2	ALTERED GRANODIORITE										
35,2	40,0	GRANODIORITE										
40,0	45,7	ALTERED GRANODIORITE										
45,7	66,4	GRANODIORITE										
66,4	74,5	ALTERED GRANODIORITE										
74,5	82,3	GRANODIORITE										
82,3	86,3	ALTERED GRANODIORITE										
86,3	97,6	GRANODIORITE										
97,6	100,4	ALTERED GRANODIORITE										
100,4	112,3	GRANODIORITE										
112,3	123,6	ALTERED GRANODIORITE										
123,6	189,3	GRANODIORITE										

END of HOLE

RESSOURCES ONYX Inc.

JOURNAL DE SONDAGE / DRILL HOLE RECORD

SONDAGE No:

HOLE No: JO 87-6

PROPRIÉTÉ / PROPERTY JOUTEL - POIRIER

COORDONNÉES DE L'ORIFICE / COLLAR COORDINATES
 LATITUDE: 1+00 N LONGITUDE: 5+00 W
 ELEVATION: AZIMUTH: 40°
 INCLINAISON/DIP: - 50°
 LONGUEUR/LENGTH: 189,30 m.
 OBJECTIF/PURPOSE: EM-VLF anomaly

TYPE DE FORAGE / TYPE OF DRILLING: DIAMOND
 LES FORAGES Du NORO Inc.
 DIMENSION DE LA CAROTTE / CORE SIZE: BQ
 SYSTEME DE MESURES / SYSTEM OF MEASURES: SI

CLAIM NO: 164800-5
 SECTION: L 5+00 W
 DÉCRIT PAR / LOGGED BY: T. ALVI, BSc.
 DATE: June 15 / 87
 COMMENCE / STARTED: June 1 / 87
 TERMINÉ / COMPLETED:

TESTS

FORMATION			ECHANTILLON / SAMPLE				ANALYSES / ANALYSIS			
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au PPD	Ag	Cu %	Zn %
0	9,0	CASING - Overburden								
9,0		<u>GRANODIORITE (GRANITE)</u> medium grained, mesocratic, massive, a few limonitic (brown) zones								
		Idem	87401	15,2	15,8	0,6	<5			
		Limonitic zones	87402	18,6	19,3	0,7	<5			
		Idem	87403	19,3	20,3	1,0	<5			
		Idem	87405	20,3	21,0	0,7	<5			
		Idem, slightly carbonatized	87406	31,0	32,0	1,0	<5			

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
 HOLE no: JO 87-6
 PAGE: 3 DE/OF 10

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
		<u>32,6 - 35,2 ALTERED GRANODIORITE</u>										
		Carbonatized, limonitized, granular, gray and brown										
		Idem	87406	32,6	33,3	0,7	<5					
		Idem	87407	33,3	34,3	1,0	<5					
		Idem	87409	34,3	35,2	0,9	<5					
		<u>35,2 - 40,0 GRANODIORITE</u>										
		- as previous										
		<u>40,0 - 45,7 ALTERED GRANODIORITE</u>										
		Carbonatized, silicified, limonitized with 30% brown limonitic zones, traces of pyrite and arsenopyrite associated with limonitic zones,										
		Idem	87410	40,2	41,2	1,0	<5					
		Idem	87411	41,2	42,2	1,0	<5					

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-6
 HOLE no: JO 87-6
 PAGE: 4 DE/OF 10

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
		Idem	87412	42,2	43,3	1,1	<5					
		Idem	87413	43,3	44,3	1,0	<5					
		Idem	87414	44,3	45,1	0,8	<5					
		Idem, poorly defined contact ~ 40° CA (2)	87415	45,1	45,7	0,6	<5					
		45,7 - 66,4 <u>GRANODIORITE</u> slightly silicified, darker, less pink than previous										
		Carbonatized along fractures	87416	45,7	46,6	0,9	<5					
		Idem	87417	46,6	48,1	1,5	<5					
		5 cm limonitic zone ~ 75° CA	87418	53,6	54,0	0,4	<5					
		Carbonatized, Silicified, minor limonite	87419	59,7	60,4	0,7	<5					
		Slightly carbonatized	87420	60,4	61,6	1,2	<5					
		Idem	87421	61,6	62,3	0,7	<5					
		Idem	87422	62,3	63,1	0,8	<5					
		Idem, slight limonite	87423	63,1	64,0	0,9	<5					

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: J0 87-6
 HOLE no:
 PAGE: 6 DE/OF 10

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS			
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %
		Idem	87432	75,5	76,4	0,9	<5			
		Idem	87433	77,1	77,5	0,9	<5			
		Idem	87434	78,6	79,4	0,8	<5			
		Idem	87435	80,1	80,5	0,4	<5			
		Idem	87436	81,5	82,3	0,8	<5			
		<u>82,3 - 86,3 ALTERED GRANODIORITE</u>								
		similar to previous Granodiorite but more intensely altered, light to dark gray, carbonatized - silicified								
		Idem	87437	82,3	83,2	0,9	<5			
		Idem	87438	83,2	84,4	1,2	<5			
		Idem	87439	84,4	85,0	1,0	<5			
		Sheared 20° CA	87440	85,0	85,7	0,7	<5			
		Altered Granodiorite	87441	85,7	86,3	0,6	<5			

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
 HOLE no: JO 87-6
 PAGE: 7 DE/OF 10

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
	86,3 - 97,6	<u>GRANODIORITE</u>										
		gray - pink - black,										
		Idem	87442	86,3	87,0	0,7	<5					
		3 cm Qtz. vein, 2 cm Epidote zone	87443	90,0	90,6	0,6	<5					
	97,6 - 100,4	<u>ALTERED GRANODIORITE</u>										
		Carbonatized, granular, fractured, Silicified, traces of pyrite										
		Idem	87444	97,6	98,7	1,1	<5					
		Idem, 2 cm shear ~ 30° CA	87445	98,7	99,8	1,1	<5					
		Idem, 3 cm shear ~ 35° CA	87446	99,8	100,4	0,6	<5					

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-6
 HOLE no:
 PAGE: 8 DE/OF 10

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS			
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au PPb	Ag	Cu %	Zn %
	100,4 - 112,3	<u>GRANODIORITE</u>								
		gray - pink - black								
		fractured, Epidote-chlorite zone	87447	101,6	102,2	0,6	<5			
		fractured, carbonatized, hematized -?	87448	107,4	108,0	0,6	<5			
		fractured	87449	111,6	112,3	0,7	<5			
	112,3 - 123,6	<u>ALTERED GRANODIORITE</u>								
		carbonatized, silicified, granular, gray, traces of fine disseminated pyrite								
		Idem	87450	112,3	113,3	1,0	<5			
		Idem	87451	113,3	114,5	1,2	<5			
		Slight local shearing	87452	114,5	115,6	1,1	<5			
		2 cm shear ~ 20° CA	87453	115,6	116,8	1,2	<5			

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
 HOLE no: J087-6
 PAGE: 9 DE/OF 10

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS			
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	As ppb	Ag	Cu %	Zn %
		Altered	87454	116,8	118,0	1,2	<5			
		Fractured	87455	118,0	119,3	1,3	<5			
		Edem, poorly foliated ~ 40° CA	87456	119,3	120,5	1,2	<5			
		sheared, poorly foliated ~ 40° CA, minor potassification? (pink)	87457	120,5	121,4	0,9	<5			
		Altered	87458	121,4	122,6	1,2	<5			
		Edem	87459	122,6	123,6	1,0	<5			
		123,6 - 189,3 <u>GRANODIORITE</u>								
		gray - pink - black								
		Carbonatized	87460	138,7	139,6	0,9	<5			
		Edem	87461	140,3	140,9	0,6	<5			
		Edem	87462	145,2	145,9	0,7	<5			
		Edem, 1 cm Carbonate vein ~ 30° CA	87463	156,4	157,0	0,6	<5			
		Carbonatized	87464	160,2	161,5	1,3	<5			

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: HOLE no: J0 87-6
PAGE: 10 DE/OF 10

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au PPb	Ag	Cu %	Zn %	
		Idem	87465	162,2	163,2	1,0	<5				
		Idem	87466	175,9	176,8	0,9	<5				
		Idem	87467	177,1	178,0	0,9	<5				
		Idem	87468	178,0	178,6	0,6	<5				
		Idem	87469	178,9	179,9	1,0	<5				
		Idem	87470	185,1	185,9	0,8	<5				
	189,3	End of Hole									
		Core is stored at									
		53 Rue Allard									
		Val d'Or, Qué.									
		The hole contains Granodiorite with several carbonate-silica alteration zones. Sulfide mineralization is sparse and no anomalous gold zones were found.									
		The VLF anomaly is probably produced by a combination of minor shears and strong alteration in the mid to lower parts of the hole.									

Dubois, U... B.Sc. Geology

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-2
 HOLE no: JO 87-2
 PAGE: 3 DE/OF 10

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS			
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %
		carbonatized, limonitized	87481	25,0	25,3	0,3	<5			
		Idem	87482	26,0	26,8	0,8	<5			
		limonitized, fractured	87472	26,8	28,1	1,3	<5			
		carbonatized	87483	28,1	29,0	0,9	<5			
		Idem	87484	29,0	29,9	0,9	<5			
		Carbonatized, potassified	87485	30,6	31,0	0,4	<5			
		5 cm carbonate- plaq. vein - 45° CA	87486	31,3	31,8	0,5	<5			
		potassified, 45° CA contact	87487	35,4	35,8	0,4	<5			
		35,8 - 423 <u>ALTERED GRANODIORITE</u>								
		potassified (pink), carbonatized, locally fractured/sheared, traces of fine disseminated pyrite, occasional mafic stringers,								
		Idem	87488	35,8	36,7	0,9	<5			
		Idem, whole rock analysis # 167061	87489	36,7	37,5	0,8	<5			

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-7
 HOLE no: JO 87-7
 PAGE: 6 DE/OF 10

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
		carbonatized	87756	83,8	85,0	1,2	<5					
		Idem, 3 cm irregular Qtz vein	87757	85,0	86,2	1,2	<5					
		carbonatized	87758	86,2	87,1	0,9	<5					
		limonitized, fractured, 85° cA	87477	87,1	88,3	1,2	<5					
		88,3 - 101,3 GRANODIORITE										
		- slightly darker than previous										
		carbonatized	87759	91,3	91,8	0,5	<5					
		carbonatized and limonitized around fractures	87760	96,3	97,7	1,4	<5					
		Idem	87761	97,7	99,0	1,3	5					
		Idem	87762	99,0	100,1	1,1	<5					
		Idem	87763	100,1	101,3	1,2	<5					

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
 HOLE no: JO 87-7
 PAGE: 7 DE/OF 10

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
		101,3- 110,5 ALTERED GRANODIORITE										
		carbonatized, silicified, locally fractured and limonitized, Qtz-carbonate veins and stringers, traces of fine disseminated pyrite										
		Idem	87764	101,3	102,3	1,0	<5					
		Idem	87765	102,3	103,0	0,7	<5					
		several Qtz-carbonate veins with up to 5% massive Galena, 1-3% pyrite	87478	103,0	103,8	0,8	70					
		carbonatized	87766	103,8	105,0	1,2	<5					
		Idem	87767	105,0	105,9	0,9	5					
		several Qtz-carbonate stringers, 5 cm Qtz-limonite zone ~ 80°C/A 1-3% pyrite	87479	105,9	107,2	1,3	260					
		carbonatized	87768	107,2	108,2	1,0	<5					
		Idem	87769	108,2	109,4	1,2	<5					
		Idem	87770	109,4	110,5	1,1	<5					

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
 HOLE no: JO 87-7
 PAGE: 8 DE/OF 10

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
		110,5- 113,1 <u>GRANODIORITE</u>										
		- similar to previous										
		carbonatized along fractures	87771	111,3	111,9	0,6	<5					
		113,1- 118,4 <u>ALTERED GRANODIORITE</u>										
		carbonatized, silicified, granular, gray, poorly foliated ~ 35° CA traces of disseminated pyrite										
		Idem	87772	113,1	114,4	1,3	<5					
		Idem, whole rock analysis # 167062	87773	114,4	115,6	1,2	<5					
		Idem, carbonate vein fragments	87774	115,6	116,8	1,2	<5					
		40 cm Qtz- Carbonate vein ~ 70° CA, traces of pyrite	87480	116,8	117,8	1,0	<5					
		carbonatized, traces of pyrite	87775	117,8	118,4	0,6	10					

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: _____
HOLE no: JO 87-7
PAGE: 9 DE/OF 10

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS			
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %
		118,4 - 122,8 GRANODIORITE								
		- same as previous								
		small carbonatized sections	87776	118,4	119,9	1,5	<5			
		whole rock analysis # 167063								
		carbonate strings	87777	121,3	122,2	0,9	<5			
122,8		END of HOLE								
		Core is stored at								
		53 Rue Allard								
		Val d'Or Qué.								
		The core contains Granodiorite with several zones of carbonatization and silicification of varying size and intensity. A potassic alteration zone in the upper parts of the hole can be correlated with similar zones in Holes JO 87-2, JO 87-3, and JO 87-8A.								
		Minor amounts of sulphide (mostly pyrite) mineralization are found. A few anomalous gold intersections occur in the hole.								
		The VLF anomaly is not clearly seen, but may be produced by increased fracturing and minor shearing in the lower parts of the hole.								

Taker, Martin B.Sc. Geology

SUPPLEMENTAL
 JOURNAL DE SONDRAGE/DRILL HOLE RECORD

SONDRAGE no: _____
 HOLE no: 50 87-7
 PAGE: 10 DE/OF 10

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS						
			DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %
		<i>Idem</i>	156351	75,3	76,4	1,1	25						
		<i>Idem</i>	156352	76,7	77,7	1,0	25						

COORDONNÉES DE L'ORIFICE / COLLAR COORDINATES

LATITUDE: 4+00 N LONGITUDE: 17+00 W

JOURNAL DE SONDAGE / DRILL HOLE RECORD

SONDAGE No:

HOLE No: JO 87-8

PROPRIÉTÉ / PROPERTY POIRIER - JOUTEL

ELEVATION: AZIMUTH:

INCLINAISON/DIP: -50°

TYPE DE FORAGE/TYPE OF DRILLING: DIAMOND

CLAIM NO: 164800-1

LES FORAGES du NORD

SECTION: 270°

LONGUEUR/LENGTH: 57,0 m.

DIMENSION DE LA CAROTTE/CORE SIZE: 80

DECRIE PAR/LOGGED BY: T. ALV., BSc

DATE: June 25/87

OBJECTIF/PURPOSE: Mag. anomaly

SYSTEME DE MESURES/SYSTEM OF MEASURES: SI

COMMENCE/STARTED: June 11/87

TERMINE/COMPLETED: June 12/87

TESTS None

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %	
0	23,8	CASING - Overburden									
23,8	57,0	GRANODIORITE									
		mesocratic, medium grained, massive, pink-gray-black, 2-3% mafic xenoliths,									
		Idem	156320	28,1	28,9	0,8	<5				
		28,9- 32,2 ALTERED GRANODIORITE									
		limonitized, carbonatized, silicified, granular, brown-gray, limonitic bands at 70° CA, traces - 2% pyrite,									
		Idem	156321	28,9	29,9	1,0	<5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
HOLE no: JO 87-8
PAGE: 2 DE/OF

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS			
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au PPB	Ag	Cu %	Zn %
		Idem	156322	29,9	30,8	0,9	<5			
		Idem	156323	30,8	31,5	0,7	120			
		Idem	156324	31,5	32,2	0,7	<5			
		32,2 - 43,7 GRANODIORITE								
		- same as previous								
		Idem	156325	32,2	33,0	0,8	<5			
		carbonatized	156326	40,2	41,2	1,0	<5			
		Idem	156327	41,7	42,5	0,8	<5			
		Idem	156328	42,8	43,7	0,9	<5			
		43,7 - 47,9 ALTERED GRANODIORITE								
		carbonatized, limonitized, stringers at 50-60° CK, traces of pyrite assoc. with stringers								
		Idem	156329	43,7	44,5	0,8	<5			
		Idem	156330	44,5	45,6	1,1	<5			

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: J0 87-8
 HOLE no: J0 87-8
 PAGE: 3 DE/OF

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS			
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %
		Granodioritic zones	156331	45,6	46,8	1,2	<5			
		carbonatized, 3 cm Qtz vein ~ 80 °CA	156332	46,8	47,9	1,1	<5			
	47,9- 52,2	GRANODIORITE								
		carbonatized zones	156333	47,9	48,9	1,0	<5			
		Idem	156334	48,9	50,0	1,1	<5			
		Idem at 70 °CA	156335	51,0	52,2	1,2	<5			
	52,3- 57,0	ALTERED GRANODIORITE								
		carbonatized, silicified, limonitized, possibly potassified (pinkish in some areas), gray-brown-pink								
		Idem	156336	52,2	53,3	1,1	250			
		Idem	156337	53,3	54,5	1,2	10			
		2-3 % pyrite	156338	54,5	55,5	1,0	<5			
		Idem	156339	55,5	56,3	0,8	<5			
		1 % pyrite	156340	56,3	57,0	0,7	<5			

COORDONNÉES DE L'ORIFICE / COLLAR COORDINATES
 LATITUDE: 4+00 N LONGITUDE: 17+00 W

RESSOURCES ONYX Inc.
 JOURNAL DE SONDAGE / DRILL HOLE RECORD

SONDAGE No:
 HOLE No: JO 87-8 B

PROPRIÉTÉ / PROPERTY POIRIER - JOUTEL

ELEVATION: AZIMUTH: 270°

INCLINAISON/DIP: -50°

TYPE DE FORAGE/TYPE OF DRILLING: DIAMOND
 LES FORAGES du NORD

CLAIM NO: 164 800-1

SECTION: 270°

LONGUEUR/LENGTH: 366,50 m.

DIMENSION DE LA CAROTTE/CORE SIZE: B Q

DECRIE PAR/LOGGED BY: T. ALVI, BSc

DATE: June 22 / 87

OBJECTIF/PURPOSE: Mag. anomaly

SYSTEME DE MESURES/SYSTEM OF MEASURES: S I

COMMENCE/STARTED: June 12 / 87

TERMINE/COMPLETED: June 19 / 87

TESTS 50° @ 45,7 m / 49° @ 91,4 m / 48° @ 137,2 m / 47° @ 182,9 m / 42½° @ 228,6 m / 40° @ 304,8 m

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS			
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %
0	23,7	CASING - Overburden								
23,7	366,5	GRANODIORITE								
		medium grained, mesocratic, pink-gray-black, massive, 5-10% 1-5 cm Andesite/Basalt rounded xenoliths in upper 100 m.,								
		Idem	87780	23,7	24,3	0,6	45			
		29,7-34,2 ALTERED GRANODIORITE								
		limonitized, carbonatized, fractured, silicified, locally foliated ~ 60° FA, granular, gray to brown								
		Idem	87781	29,7	30,9	1,2	<5			

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
 HOLE no: JO 87-88
 PAGE: 5 DE/OF 26

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
		Idem	87782	30,9	32,1	1,2	20					
		Idem	87783	32,1	33,3	1,2	15					
		less limonitized	87784	33,3	34,2	0,9	<5					
		34,2 - 53,0 GRANODIORITE										
		- same as previous										
		carbonatized	87785	42,7	43,2	0,6	<5					
		carbonatized, limonitized, traces of fine disseminated pyrite (whole rock analysis # 156437)	87786	44,4	45,7	1,3	<5					
		Idem	87787	45,7	46,9	1,2	<5					
		Idem	87788	47,5	48,7		<5					
		carbonatized	87789	49,6	50,2	0,6	<5					
		Idem	87790	52,0	52,3	0,3	<5					

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
HOLE no: JO 87-8B
PAGE: 7 DE/OF 26

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
	62,2 - 68,7	ALTERED GRANODIORITE										
		carbonatized, silicified, locally limonitized, local poor foliation ~ 45° CA, traces of disseminated pyrite										
		Idem	87796	62,2	63,3	1,1	65					
		Idem	87797	63,3	64,3	1,0	5					
		foliated	87798	64,3	65,4	1,1	<5					
		carbonatized + silicified	87799	65,4	66,5	1,1	25					
		2 x 1cm irregular Qtz. veins (whole rock analysis # 156436)	87800	66,5	67,6	1,1	500					
		silicified	87801	67,6	68,7	1,1	15					
	68,7 - 80,2	GRANODIORITE										
		- same as previous										
		silicified	87803	68,7	69,7	1,0	25					

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-88
 HOLE no: JO 87-88
 PAGE: 9 DE/OF 26

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS			
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %
		slightly carbonatized along fractures	87810	94,3	95,3	1,0	<5			
		102,1- 110,5 ALTERED GRANODIORITE								
		carbonatized, silicified, locally fractured, granular, Qtz-carbonate stringers, 1-3% fine disseminated pyrite associated with stringers,								
		Idem	87811	102,1	103,2	1,1	<5			
		Idem	87812	103,2	104,4	1,2	<5			
		Idem	87813	104,4	105,4	1,0	<5			
		Idem	87814	105,4	106,6	1,2	<5			
		Idem	87815	106,6	107,9	1,3	10			
		Idem	87816	107,9	109,1	1,2	<5			
		Idem	87817	109,1	110,1	1,0	<5			
		Idem	87818	110,1	110,5	0,4	<5			

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
 HOLE no: JO 87-8B
 PAGE: 10 DE/OF 26

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
	110,5 - 120,8	GRANDIORITY										
		- same as previous										
		slightly carbonatized along fractures	87819	114,6	115,2	0,6	5					
		Idem	87820	115,2	115,7	0,5	<5					
		Idem	87821	116,1	116,7	0,6	<5					
		Idem	87822	120,3	120,8	0,5	<5					
	120,8 - 122,7	ALTERED GRANDIORITY										
		Carbonatization and silicification associated with a 15 cm Qtz-carbonate vein granular, gray, traces - 1% disseminated pyrite										
		Carbonatized and silicified	87823	120,8	121,7	0,9	<5					
		Idem, 15 cm Qtz-carbonate vein ~ 70° CA, fractured	87824	121,7	122,7	1,0	10					
	122,7 - 143,1	GRANDIORITY										
		- same as previous										
		carbonatized along fractures	87825	122,7	123,2	0,5	<5					

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-8 B
 HOLE no: JO 87-8 B
 PAGE: 11 DE/OF 26

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
		Carbonatized alteration halo, 3 cm Qtz. carbonate vein ~ 45° CA, fractured	87826	124,0	124,9	0,9	<5					
		locally carbonatized about fractures	87827	126,5	127,4	0,9	<5					
		Idem	87828	127,4	128,4	1,0	<5					
		Idem	87829	129,2	129,6	0,4	<5					
		Idem	87830	139,6	140,1	0,5	<5					
		Idem	87831	142,3	143,1	0,8	<5					
		143,1 - 145,4 ALTERED GRANODIORITE										
		carbonatized, silicified, granular, Qtz-carbonate veins and stringers typically 45° CA, 1-3% fine disseminated pyrite - usually near veins and stringers										
		Idem	87832	143,1	144,3	1,2	5					
		2 mm pyrite (+ chalcopyrite?) string ~ 45° CA (whole rock analysis # 156438)	87833	144,3	145,4	1,1	85					

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
 HOLE no: JO 87-88
 PAGE: 13 DE/OF 26

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %	
		Idem	87841	158,4	159,4	1,0	<5				
		Idem	87842	159,4	160,4	1,0	10				
		Idem	87843	160,4	161,5	1,1	10				
		Idem	87844	161,5	162,5	1,0	75				
		Idem	87845	162,5	163,4	0,9	5				
		Idem	87846	163,4	164,0	0,6	50				
		Granodiorite	87847	164,0	165,2	1,2	<5				
		altered	87848	165,2	166,4	1,2	<5				
		Idem	87849	166,4	167,6	1,2	<5				
		167,6- 172,4 GRANODIORITE									
		- same as previous									
		Idem	87850	167,6	168,2	0,6	<5				
		carbonatized	87851	171,8	172,4	0,6	<5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
HOLE no: JO 87-8 B
PAGE: 15 CE/CF 26

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS			
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %
		Idem (whole rock analysis # 156440)	87858	193,6	194,7	1,1	<5			
		Idem	87859	194,7	195,7	1,0	<5			
		Idem	87860	196,7	196,4	0,7	<5			
		196,4 - 203,0 GRANODIORITE								
		- same as previous								
		carbonatized	87861	196,4	197,0	0,6	<5			
		Idem	87862	202,5	203,0	0,5	<5			
		203,0 - 209,5 ALTERED GRANODIORITE								
		carbonatized, silicified, granular, traces - 1% fine disseminated pyrite, gray								
		Idem	87863	203,0	204,0	1,0	5			
		Idem	87864	204,0	205,3	1,3	5			
		Idem	87865	205,3	206,6	1,3	<5			

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
 HOLE no: JO 87-8 B
 PAGE: 16 DE/OF 26

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS			
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %
		Idem, 1 cm Qtz vein with 15% pyrite ~ 30° CA, altered	87866	206,6	207,7	1,1	100			
		Idem	87867	207,7	208,7	1,0	<5			
		Idem	87868	208,7	209,5	0,8	<5			
		209,5- 214,7 GRANODIORITE								
		- similar to previous but shows strong carbonatization and silicification in alteration halos ~ 20%								
		Idem	87869	209,5	210,5	1,0	<5			
		Idem	87870	210,5	211,7	1,2	<5			
		Idem	87871	211,7	213,0	1,3	<5			
		Idem	87872	213,0	213,9	0,9	<5			
		Idem	87873	213,9	214,7	0,8	<5			

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
HOLE no: JO 87-88
PAGE: 17 DE/DF 26

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS			
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %
		214,7-223,2 ALTERED GRANODIORITE								
		carbonatized, silicified, granular, gray, traces of fine disseminated pyrite								
		Idem	87874	214,7	216,1	1,4	<5			
		Idem	87875	216,1	217,2	1,1	15			
		Idem	87876	217,2	218,3	1,1	<5			
		Idem	87877	218,3	219,6	1,3	<5			
		Idem	87878	219,6	220,8	1,2	<5			
		Idem	87879	220,8	222,1	1,3	<5			
		fractured, 1 cm shear - 20° CA	87880	222,1	223,2	1,1	<5			
		223,2-289,8 GRANODIORITE								
		- similar to previous, but only minor alteration halos								
		Idem	87881	223,2	223,8	0,6	<5			

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
HOLE no: JO 87-8B
PAGE: 18 DE/GF 26

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS			
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %
		carbonatized	87882	236,2	237,3	1,1	<5			
		carbonatized along fractures	87883	238,0	239,2	1,2	<5			
		carbonatized, 3 cm Qtz vein fragment with 5% pyrite	87884	239,2	240,3	1,1	5			
		carbonatized along fractures	87885	240,3	241,3	1,0	<5			
		Idem	87886	241,3	241,9	0,6	<5			
		granodiorite (whole rock analysis # 156439)	87887	241,9	242,3	0,4	<5			
		carbonatized along fractures	87888	250,0	251,0	1,0	<5			
		Idem	87889	251,0	251,8	0,8	<5			
		Idem	87890	254,7	255,4	0,7	<5			
		Idem	87891	257,5	258,6	1,1	<5			
		Idem	87892	259,5	260,5	1,0	<5			
		Idem	87893	260,5	261,7	1,2	<5			
		Idem	87894	263,8	264,6	0,8	<5			
		Idem	87895	265,2	266,4	1,2	<5			
		Idem	87896	268,9	269,6	0,7	<5			
		Idem	87897	270,1	270,7	0,6	<5			

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
HOLE no: JO 87-8B
PAGE: 20 DE/CF 26

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	AU PPB	Ag GT/m	Cu %	Zn %	Au moyen ppb
		granodiorite highly altered along fractures	87908	289,8	290,7	0,9	<5				
		Idem	87910	290,7	291,9	1,2	<5				
		carbonatized, silicified	87911	291,9	292,8	0,9	<5				
		10 cm broken Qtz. vein	87912	292,8	293,8	1,0	3370	3.34			3355
		carbonatized, silicified	87913	293,8	295,0	1,2	<5				
		Idem	87914	295,0	296,1	1,1	<5				
		Idem	87915	296,1	297,2	1,1	<5				
		Idem	87916	297,2	298,3	1,1	<5				
		Idem	87917	298,3	299,6	1,3	105				
		Idem	87918	299,6	300,8	1,2	15				
		Idem	87919	300,8	301,9	1,1	<5				
		poorly foliated ~ 70° CA	87920	301,9	303,0	1,1	<5				
		Idem	87921	303,0	304,2	1,2	<5				
		Idem	87922	304,2	305,3	1,1	5				
		carbonatized, silicified	87923	305,3	306,1	0,8	<5				
		Idem	87924	306,1	307,2	1,1	<5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
HOLE no: JO 87-88
PAGE: 21 CE/CF 26

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS			
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %
		Idem	87925	307,2	308,3	1,1	<5			
		Idem	87926	308,3	309,5	1,2	<5			
		Idem	87927	309,5	310,7	1,2	<5			
		310,7 - 313,9 GRANODIORITE								
		dark gray - black, mesocratic, slight carbonatization - most intense along fractures								
		Idem	87928	310,7	311,4	0,7	<5			
		Idem	87929	313,4	313,9	0,5	<5			
		313,9 - 325,9 ALTERED GRANODIORITE								
		- same as previous but less intense, traces of pyrite various fracture orientations but dominantly ~ 70° CA								
		Idem	87930	313,9	314,9	1,0	<5			

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-88
 HOLE no: JO 87-88
 PAGE: 23 DE/OF 26

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS			
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %
	330,4-354,7	ALTERED GRANODIORITE								
		- same as previous								
		Idem	87943	330,4	331,6	1,2	<5			
		Idem	87944	331,6	332,8	1,2	<5			
		Idem	87945	332,8	333,8	1,0	<5			
		Idem	87946	333,8	334,9	1,1	<5			
		Idem	87947	334,9	336,1	1,2	<5			
		Idem	87948	336,1	337,0	1,0	<5			
		Idem	87949	337,0	338,1	1,1	<5			
		Limonitized	87950	338,1	339,1	1,0	<5			
		slightly limonitized	87951	339,1	340,1	1,0	<5			
		carbonatized, silicified	87952	340,1	341,1	1,1	<5			
		Idem	87953	341,1	342,4	1,3	5			
		Idem	87954	342,4	343,7	1,3	<5			
		Idem	87955	343,7	344,7	1,0	10			

COORDONNÉES DE L'ORIFICE / COLLAR COORDINATES

LATITUDE: 5+40N LONGITUDE: 18+25W

RESSOURCES ONYX Inc.

JOURNAL DE SONDAGE / DRILL HOLE RECORD

SONDAGE No:

HOLE No: JO 87-9

ELEVATION: AZIMUTH: 270°

PROPRIÉTÉ / PROPERTY ROIRIER - JOUTEL

INCLINAISON/DIP: -50°

TYPE DE FORAGE/TYPE OF DRILLING: DIAMOND

CLAIM NO: 164 796-1

LES FORAGES du NORO Inc

SECTION: 270°

LONGUEUR/LENGTH: 381,40 m

DIMENSION DE LA CAROTTE/CORE SIZE: BA

DECRIE PAR/LOGGED BY: T. ALVI, BSc

DATE: June 30 / 1987

OBJECTIF/PURPOSE: Mag. anomaly

SYSTÈME DE MESURES/SYSTEM OF MEASURES: SI

COMMENCE/STARTED: June 20 / 1987

TERMINÉ/COMPLETED: June 27 / 1987

TESTS 48° @ 45,7m / 47° @ 91,4m / 45° @ 137,2m / 44° @ 182,9m / 47° @ 228,6m / 40° @ 350,5m / 39½° @ 381,4m

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS			
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %
0	25,0	CASING - Overburden								
	25,0 - 31,9	<u>ALTERED INTRUSIVE</u>								
		carbonatized, potassified medium grained, granular, fractured (brittle shear?) and locally poorly foliated ~ 35-40° CA, pink-brown								
		Idem	156051	25,0	26,0	1,0	<5			
		Idem	156052	26,0	27,1	1,1	<5			
		Idem	156053	27,1	28,3	1,2	<5			
		Idem, whole rock analysis # 167051	156054	28,3	29,5	1,2	<5			
		Idem	156055	29,5	30,6	1,1	<5			
		Idem	156056	30,6	31,9	1,3	<5			

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
HOLE no: JO 87-9
PAGE: 3 DE/OF 22

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %	
		31,9- 58,0 SYENITE/POTASSIFIED INTRUSIVE									
		similar to previous alteration zone but much less recrystallization and carbonatization fractures at various orientations but typically 40° and 70° CA zones of carbonatization and crystallization associated with fractures and veins									
		Idem	156057	31,9	33,0	1,1	<5				
		Idem	156058	33,0	34,1	1,1	<5				
		Idem	156059	34,1	35,2	1,1	<5				
		Idem	156060	35,2	36,3	1,1	5				
		Idem	156061	36,3	37,3	1,0	<5				
		Idem	156062	39,4	40,6	1,2	<5				
		Idem	156063	40,6	41,6	1,0	<5				
		traces of pyrite	156064	47,9	49,0	1,1	185				
		whole rock analysis # 167052									
		altered along fractures	156065	49,0	49,9	0,9	60				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: HOLE no: JO 87-9
PAGE: 6 DE/OF 22

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
		granular, gray	156084	97,3	98,6	1,3	<5					
		Idem	156085	98,6	99,6	1,0	<5					
		Idem	156086	99,6	100,7	1,1	<5					
		Granodioritic	156087	100,7	101,8	1,1	<5					
		Granodioritic	156088	101,8	102,9	1,1	<5					
		granular, pink-gray,	156089	102,9	104,0	1,1	10					
		Idem	156090	104,0	105,3	1,3	<5					
		105,3 - 146,4 GRANODIORITE										
		- similar to previous zones of intense carbonatization										
		minor limonite zone	156091	105,3	106,3	1,0	<5					
		Granodiorite	156092	107,9	108,7	0,8	<5					
		carbonatized along fractures	156093	108,7	109,8	1,1	<5					

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: J0 87-9
 HOLE no: J0 87-9
 PAGE: 7 DE/OF 22

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS			
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %
		Idem	156094	109,8	110,9	1,1	<5			
		Idem, broken Qtz fragment with 5% chalcopirrite, irregular 2cm Qtz. vein	156095	110,9	111,9	1,0	20			
		Granodiorite	156096	111,9	112,8	0,9	<5			
		slightly carbonatized, gray	156097	114,2	115,3	1,1	30			
		Idem	156098	115,5	116,6	1,1	<5			
		carbonatized along fractures	156099	128,6	129,7	1,1	<5			
		Idem	156100	129,7	130,8	1,1	<5			
		Idem	156101	136,7	137,8	1,1	<5			
		Idem	156102	137,8	138,8	1,0	<5			
		Idem	156103	145,4	146,4	1,0	<5			
		146,4 - 155,6 ALTERED GRANODIORITE								
		carbonatized, potassified? - (pinkish), silicified, granular, gray-brown with pink tint, fractured and veined - typically 30-40° CA,								
		1-2% pyrite associated with Qtz. veins	156104	146,4	147,6	1,2	5			

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: J0 87-9
 HOLE no: J0 87-9
 PAGE: 8 DE/OF 22

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
		carbonatized, pinkish whole rock analysis # 167055	156105	147,6	148,7	1,1	<5					
		Idem	156106	148,7	149,6	0,9	<5					
		carbonatized along fractures	156107	149,6	150,6	1,0	<5					
		Idem	156108	150,6	151,3	0,7	<5					
		carbonatized, pink-gray	156109	151,3	152,3	1,0	<5					
		Idem, granodioritic near end	156110	152,3	153,4	1,1	<5					
		155,6-169,9 <u>GRANODIORITE</u>										
		- same as previous										
		slightly carbonatized	156111	155,6	156,5	0,9	<5					
		Idem	156112	156,5	157,5	1,0	<5					
		Idem	156113	159,0	160,0	1,0	<5					
		carbonatized, irregular Qtz-carbonate veins traces - 1% pyrite	156114	160,0	161,0	1,0	25					
		Idem	156115	161,0	162,0	1,0	10					
		carbonatized	156116	162,0	163,2	1,2	<5					

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
 HOLE no: 50 87-9
 PAGE: 15 CE/OF 22

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
		Idem	156207	261,7	262,8	1,1	5					
		Idem	156208	262,8	264,3	1,5	<5					
		Idem	156209	264,3	265,4	1,1	<5					
		Idem	156210	265,4	266,5	1,1	<5					
		Idem	156211	266,5	267,6	1,1	<5					
		fractured, pinkish (potassified)	156212	267,6	268,4	0,8	<5					
		fractured	156213	268,4	269,4	1,0	<5					
		fractured, pinkish (potassified)	156214	269,4	270,4	1,0	<5					
		Idem	156215	270,4	271,5	1,1	25					
		Idem	156216	271,5	272,5	1,0	<5					
		Idem	156217	272,5	273,4	0,9	<5					
		Idem	156218	273,4	274,5	1,1	<5					
		Idem	156219	274,5	275,7	1,2	<5					
		fractured	156220	275,7	276,7	1,0	<5					
		carbonatized, silicified, gray - brown - pink	156221	267,7	277,8	1,1	<5					
		Idem	156222	277,8	278,9	1,1	<5					

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
 HOLE no: JO 87-9
 PAGE: 16 DE/OF 22

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %	
		Idem	156223	278,9	279,8	0,9	<5				
		Idem	156224	279,8	281,0	1,2	<5				
		Idem	156225	281,0	282,1	1,1	<5				
		Idem	156226	282,1	283,1	1,0	<5				
		carbonatized, irregular Qtz - carbonate veins, poorly foliated ~ 50° CA, blueish	156227	283,1	284,2	1,1	<5				
		Idem	156228	284,2	285,4	1,2	<5				
		gray - brown - pink	156229	285,4	286,5	1,1	<5				
		Idem	156230	286,5	287,5	1,0	<5				
		Idem	156231	287,5	288,6	1,1	<5				
		Idem	156232	288,6	289,7	1,1	<5				
		Idem	156233	289,7	290,9	1,2	5				
		Idem	156234	290,9	291,7	0,8	<5				
		Idem	156235	291,7	292,5	0,8	<5				
		Idem	156236	292,5	293,6	1,1	70				
		Idem	156237	293,6	294,7	1,1	<5				
		Idem	156238	294,7	295,8	1,1	<5				

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no:
 HOLE no: JO 87-9
 PAGE: 17 DE/OF 22

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS			
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %
		Idem	156239	295,8	296,9	1,1	<5			
		Idem	156240	296,9	298,0	1,1	<5			
		Idem	156241	298,0	298,7	0,7	<5			
		298,7- 381,4 ALTERED GRANODIORITE/ALTERED SYENITE								
		carbonatized, silicified, massive to granular, less altered than previous-granodioritic intervals, gray-pink-black, Qtz-carbonate veins and stringers typically ~ 70°C/A, locally traces of pyrite associated with veining, similar to potassified intrusive above								
		Idem	156242	298,7	299,9	1,2	<5			
		Idem	156243	299,9	300,9	1,0	<5			
		Idem	156244	300,9	301,8	0,9	<5			
		Idem	156245	301,8	303,0	1,2	5			
		Idem	156246	303,0	304,0	1,0	<5			

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-9
 HOLE no: JO 87-9
 PAGE: 18 DE/OF 22

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS				
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	GT-M	Cu %	Zn %	Au moyen ppb
		Idem	156247	304,0	304,9	0,9	<5				
		Idem	156248	304,9	306,0	1,1	<5				
		Idem	156249	306,0	307,0	1,0	<5				
		Idem, whole rock analysis # 167056	156250	307,0	308,0	1,0	<5				
		Idem	156251	308,0	309,1	1,1	15				
		Idem	156252	309,1	310,2	1,1	<5				
		Idem	156253	310,2	311,2	1,0	50				
		Idem	156254	311,2	312,2	1,0	<5				
		Idem	156255	312,2	313,4	1,2	40				
		Idem	156256	313,4	314,4	1,0	100				
		Idem	156257	314,4	315,4	1,0	1600	.84			1220
		Idem	156258	315,4	316,6	1,2	5				
		Idem	156259	316,6	317,7	1,1	<5				
		Idem	156260	317,7	319,1	1,4	60				
		Idem	156261	319,1	320,2	1,1	<5				
		Idem	156262	320,2	321,4	1,2	<5				

COORDONNÉES DE L'ORIFICE / COLLAR COORDINATES
 LATITUDE: 1+05 N LONGITUDE: 17+85 W

RESSOURCES ONYX Inc.
 JOURNAL DE SONDAGE / DRILL HOLE RECORD

SONDAGE No:
 HOLE No: JO 87-10

ELEVATION: AZIMUTH: 15° az
 INCLINAISON/DIP: -50° TYPE DE FORAGE/TYPER OF DRILLING: DIAMOND CLAIM NO: 164 800-1
 LES FORAGES du NORD Inc. SECTION: 15° az
 LONGUEUR/LENGTH: 302,7 m DIMENSION DE LA CAROTTE/CORE SIZE: BQ DECRIT PAR/LOGGED BY: T. ALVI BSc
 DATE: July 13/1987
 OBJECTIF/PURPOSE: Mag. anomaly SYSTÈME DE MESURES/SYSTEM OF MEASURES: S1 COMMENCE/STARTED: June 27/1987
 TERMINÉ/COMPLETED: July 4/1987
 TESTS 45° @ 45,7 m / 47° @ 91,4 m / 46 1/2° @ 137,2 m / 46° @ 182,9 m / 42° @ 228,6 m / 37° @ 302,7 m

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
0	8,8	CASING - Overburden										
8,8	38,6	GRANODIORITE										
		mesocratic to melanocratic, medium grained, locally fractured and sheared, frequent intervals of poor to moderate carbonatization along fractures and veins, Qtz. carbonate veins and stringers at 35-50° CA, dark gray to gray-brown-black,										
		Idem	156360	8,8	9,6	0,8	<5					
		Idem, minor shear ~ 35° CA	156361	9,6	10,5	0,9	<5					
		locally fractured	156362	12,2	13,3	1,1	<5					
		carbonatized	156363	13,3	14,3	1,0	<5					

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: J0 87 -10
 HOLE no: J0 87 -10
 PAGE: 6 DE/OF 18

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
		Idem	156387	52,0	53,0	1,0	<5					
		Idem	156388	55,8	57,0	1,2	<5					
		Idem	156389	60,5	61,5	1,0	<5					
		<u>61,5 - 74,2 ALTERED GRANODIORITE</u>										
		varying degrees of carbonatization and silicification, similar to previous										
		sheared ~ 35° CA	156390	61,5	62,7	1,2	<5					
		granodioritic	156391	62,7	63,7	1,0	<5					
		Idem	156392	63,7	64,8	1,1	<5					
		carbonatized	156393	64,8	66,1	1,3	<5					
		Idem	156394	66,1	67,3	1,2	<5					
		granodioritic	156395	67,3	68,4	1,1	<5					
		Idem	156396	68,4	69,6	1,2	<5					
		altered limonitic stains	156397	69,6	70,7	1,1	<5					

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-10
 HOLE no: JO 87-10
 PAGE: 7 DE/OF 18

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
		Idem	156398	70,7	71,8	1,1	<5					
		altered	156399	71,8	73,1	1,3	<5					
		Idem	156400	73,1	74,2	1,1	<5					
		<u>74,2 - 81,3 GRANODIORITE</u>										
		mesocratic, massive, gray-brown-black, minimal carbonatization,										
		Idem	156401	74,2	75,3	1,1	<5					
		Idem	156402	80,2	81,3	1,1	<5					
		<u>81,3 - 99,4 ALTERED GRANODIORITE</u>										
		- similar to previous but more intensely altered (carbonatized + silicified)										
		Idem	156403	81,3	82,7	1,4	<5					

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: 50 87-10
 HOLE no: 50 87-10
 PAGE: 8 DE/OF 18

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
		Idem	156404	82,7	83,7	1,0	<5					
		Idem	156405	83,7	85,0	1,3	<5					
		Idem	156406	85,0	85,9	0,9	<5					
		Idem	156407	85,9	87,0	1,1	<5					
		Idem	156408	87,0	88,0	1,0	<5					
		Idem	156409	88,0	89,1	1,1	<5					
		Idem	156410	89,1	90,3	1,2	<5					
		Idem	156411	90,3	91,5	1,2	5					
		Idem	156412	91,5	92,6	1,1	<5					
		Idem	156413	92,6	93,6	1,0	<5					
		Idem	156414	93,6	94,7	1,1	<5					
		Idem	156415	94,7	95,8	1,1	<5					
		Idem	156416	95,8	96,6	0,8	<5					
		Idem	156417	96,6	97,8	1,2	<5					
		Idem	156418	97,8	98,8	1,0	<5					
		Idem	156419	98,8	99,4	0,6	<5					

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: J0 87-10
 HOLE no: JO 87-10
 PAGE: 9 DE/OF 18

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au PPb	Ag	Cu %	Zn %		
		99,4-148,2 GRANODIORITE										
		- similar to previous										
		Idem	156420	99,4	100,5	1,1	<5					
		carbonatized	156421	104,5	105,6	1,1	<5					
		Idem	156422	105,6	106,7	1,1	<5					
		Idem	156423	116,5	117,6	1,1	<5					
		Idem	156424	117,6	118,9	1,3	<5					
		Idem	156425	120,1	121,2	1,1	<5					
		Idem	156426	125,6	126,7	1,1	<5					
		Idem	156427	126,7	127,7	1,0	<5					
		Idem	156428	127,7	128,8	1,1	<5					
		Idem	156429	130,2	131,3	1,1	<5					
		Idem	156430	133,4	134,4	1,0	<5					
		Idem	156431	141,1	142,0	0,9	<5					
		several Qtz-carbonate stringers	156432	142,8	143,8	1,0	<5					

RESSOURCES ONYX Inc.
JOURNAL DE SONDAGE / DRILL HOLE RECORD

SONDAGE No: JO 87-15

COORDONNÉES DE L'ORIFICE / COLLAR COORDINATES
LATITUDE: 37 75 S LONGITUDE: 9 00 E

ELEVATION: AZIMUTH: 220°

INCLINAISON/DIP: -50°

TYPE DE FORAGE/TYPE OF DRILLING: DIAMOND

CLAIM NO: 164 797 - 9

LES FORAGES du NORO Inc

SECTION: L 9 E

LONGUEUR/LENGTH: 183.2 m

DIMENSION DE LA CAROTTE/CORE SIZE: BQ

DECRIE PAR/LOGGED BY: T. ALVI, BSc

OBJECTIF/PURPOSE: EM-VLF anomaly

SYSTEME DE MESURES/SYSTEM OF MEASURES: SI

DATE: July 23 / 87

COMMENCE/STARTED: July 18 / 87

TERMINE/COMPLETED: July 21 / 87

TESTS 48° @ 61.0 m 44½° @ 121.9 m 44° @ 182.9 m

FORMATION			ECHANTILLON/SAMPLE				ANALYSES/ANALYSIS			
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au Ppb	Ag	Cu %	Zn %
0	7.9	CASING - Overburden								
7.9	183.2	RHYOLITE								
		fine grained, massive, dark gray with some green, locally sheared and carbonatized, locally chloritized some Qtz-carbonate strings								
		slightly fractured	167001	7.9	9.0	1.1	5			
		rhyolite	167002	17.1	18.2	1.1	<5			
		slightly carbonatized	167003	23.2	24.3	1.1	<5			
		Idem	167004	29.3	30.4	1.1	<5			
		fractured, Qtz strings + veins	167005	35.9	37.1	1.2	<5			
		rhyolite	167006	41.5	42.5	1.0	<5			

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-15
 HOLE no: JO 87-15
 PAGE: 3 DE/OF 6

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
		4 cm. Qtz. vein ~ 35° CA	167007	46,1	47,0	0,9	<5					
		sheared ~ 40° CA	167008	51,2	52,2	1,0	<5					
		Idem	167009	52,2	53,3	1,1	<5					
		slightly carbonatized	167010	53,3	54,3	1,0	<5					
		Idem slight limonitic staining	167011	60,3	61,4	1,1	5					
		Idem	167012	62,8	63,8	1,0	<5					
		carbonatized	167013	63,8	65,0	1,2	<5					
		Idem	167014	70,0	71,1	1,1	<5					
		77,5-85,6 SHEARED and ALTERED ANHYLITE										
		carbonatized with some chloritization, sheared ~ 45° CA, locally fractured, greenish gray, fine grained										
		Idem	167015	77,5	78,7	1,2	<5					
		Idem	167016	78,7	79,8	1,1	<5					
		Idem	167017	79,8	81,1	1,3	5					

JOURNAL DE SONDAGE/DRILL HOLE RECORD

SONDAGE no: JO 87-15
 HOLE no: JO 87-15
 PAGE: 4 DE/OF 6

FORMATION			ÉCHANTILLON/SAMPLE				ANALYSES/ANALYSIS					
DE/FROM	A/TO	DESCRIPTION	NO	DE/FROM	A/TO	LONG. LENGTH	Au ppb	Ag	Cu %	Zn %		
		Idem	167018	81,1	82,3	1,2	5					
		Idem	167019	82,3	83,3	1,0	5					
		Idem	167020	83,3	84,5	1,2	<5					
		Idem	167021	84,5	85,6	1,1	5					
		85,6-1832 RHYOLITE										
		same as previous										
		fractured Qtz. strings	167022	87,7	88,7	1,0	<5					
		Idem	167023	88,7	89,8	1,1	<5					
		sheared ~ 50° CA	167024	94,5	95,6	1,1	<5					
		Idem	167025	95,6	96,6	1,0	60					
		rhyolite	167026	96,6	97,8	1,2	<5					
		minor shearing ~ 50° CA traces of pyrite	167027				<5					
			167028	97,8	98,8	1,0	<5					
		Idem	167029	102,4	103,6	1,2	5					
		sheared ~ 50° CA, carbonatized	167027	104,0	105,0	1,0	<5					

