

# GM 67869

GEOLOGICAL COMPILATION, YASINSKI PROPERTY

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Québec 

# IOS Services Géoscientifiques

**GEOLOGICAL COMPILATION  
YASINSKI PROPERTY  
NTS AREAS 33F06  
3014 & 3114  
JAMES BAY, QUEBEC**

Presented to

**Mr. George Wahl**

and

**Mr. Peter Jones**

**AUGYVA RESOURCES INC.**



Presented by

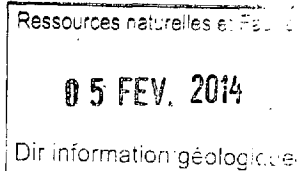
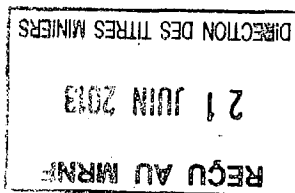
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**GM 67869**

Ville de Saguenay



Date: February 26, 2013

Project: 909

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**Table 4c:** GM 55442

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## SUMMARY

The Yasinski property was part of the portfolio of property held by Augyva Resources at the time of its reorganisation in August 2012. The new Augyva management requested IOS to compile and update all available geoscientific informations relating to their main properties, including Yasinski. The current report relates to the spatially-referenced compilation of these data from all publically available source, and a to provide a recommendation of work for the coming year.

*Yasinski property was inherited from the portfolio of Augyva Resources at the time of its restructuration in August 2012. No structured information was made available to the new management in its regard.*

The Yasinski property is a mineral exploration property composed of 155 mineral titles for an area of 5628 km<sup>2</sup>. It is located south of the town of Radisson, in the James Bay area, northwestern Québec. It is accessible by the all-weather *Trans-Taïga* highway.

The property has been the subject of numerous exploration rounds, either by previous or current owner, that encompassed its various portions. About forty assessment reports (so called *GM* reports) and governmental documents were issued by about fifteen different mineral exploration companies, prospectors and government organisms. Our documentary research enables to compile approximately 400 surface grab samples scattered over the property that were analyzed or assayed for multiple elements (Au, Ag, As, Co, Cu, Cr, Ni, Pb, Pt, Pd, Rh, Zn and various traces). Abundant geophysical surveys, involving different methods, many of them redundant, were carried, either airborne or ground-based. The most recent is a property-wide helicopter-borne VTEM magnetic and electromagnetic survey, commissioned by Augyva. No detailed geochemical survey is available. More than 88 diamond boreholes are reported within the boundary of the property, most of these targeting either gold or chromium-PGE mineralizations. Drill targets were mostly linear aeromagnetic anomalies in the case of chromite or electromagnetic conductors coincident with magnetic anomalies for precious and base metals. Most such electromagnetic features correspond to massive sulphide (pyrrhotite) bands associated with iron formations.

Fifteen or so mineral occurrences are reported within the property, regarding various commodities such as gold, silver, copper, zinc, chromium, nickel and palladium. They are mostly located in the centre of the property, within a 4 km radius from Ultra Lake. Several geological settings were identified within this small area, witnessing the complex geological history of the area.

Chromite mineralizations, associated with some nickel, copper, gold and platinum group elements are reported as associated with the southern extension of the mafic to ultramafic layered intrusive rocks of the Menarik Complex. This complex is made of gabbros, pyroxenites and peridotite-dunnites, and is tracked along the eastern margin of the greenstone belt for 8 km in length, from the northern limit of the property to Lac Ultra in the south, with a maximum width of 1.0 km. The Complex is expected to continue beyond Lac Ultra, to the southern limit of the property. To the north of Yasinski property, Ressources Pro-Or outlined a chromium deposit in the Menarik Complex estimated at 6.2 million metric tonnes at 7.69% Cr<sub>2</sub>O<sub>3</sub>.

*Yasinski property encompass part of the Meranik ultramafic complex, and thus host a serie of podiform chromite deposit, along with some copper, nickel and PGE occurrences.*

Chromite mineralization is podiform, or concordant **massive chromite lenses**, a metre to several metres in size with some pyrite, pyrrhotite, chalcopyrite, pentlandite and magnetite. These pods are hosted in peridotite or in banded serpentinite with talc, tremolite, carbonate and fuschite, typically near the contacts with altered supracrustal country rocks. Scattered over several kilometres of ultramafic sills, the major reported mineralizations are:

- North Block (Lac Delta) from Noranda/Platinum-Augyva (surface) < 0.36% Cu, < 0.29% Ni, < 1000 ppb Pd and < 400 ppb Pt, < 3730 ppm Cr;
- Hole 75N-1 (Lac Delta) 0.16% Ni and 0.56 g/t Pd+Pt over 8.3 m;
- Hole 2650N- 14.6% Cr<sub>2</sub>O<sub>3</sub> over 6.5 m;
- Hole 3700N-1 10.74% Cr<sub>2</sub>O<sub>3</sub> and 0.1% Ni over 6.1 m;
- Hole 4100N-1 26.15% Cr<sub>2</sub>O<sub>3</sub> over 9.1 m and 0.12% Ni over 5.7 m;
- Hole 4930N-1 10.9% Cr<sub>2</sub>O<sub>3</sub> over 12.7 m and 0.17% Ni over 3.1 m
- Cr-12-14 showing 28.28% Cr<sub>2</sub>O<sub>3</sub> over 1.3 m and many more.

The exploration of this type of chromite mineralization was abandoned due to the lack of continuity.

This Complex also contains several epigenetic gold (< 59.6 g/t Au), silver (< 69.0 g/t Ag), copper (< 5.1% Cu) and PGE (< 5.4 g/t Pd+Pt) mineralization, all related to localised shear zones, mainly at the contact between the gabbro and tonalite country rocks. Many of these occurrences are in a similar geological setting, such as the Platinum-8801 showing with 12.4 g/t Au and 1 g/t Ag for example.

In addition to magmatic chromite mineralization, the Menarik Complex hosts epigenetic precious and base metal mineralizations including gold, silver, arsenic, copper, nickel,

palladium and latinum. This type of mineralization typically occurs in sheared mafic to ultramafic rocks, typically altered by silicification, carbonate, talc, biotite, chlorite, amphibole, fuschite and/or tourmaline. These are variously sulphide-bearing, with 1% to 20% pyrrhotite, pentlandite, pyrite, chalcopyrite, arsenopyrite, chromite and magnetite. Precious and base metals intersected in drill holes are reported as small sulphide-rich shear zones, typically repetitive over dozen to hundreds of metres, separated by little deformed and sterile rocks (not analysed). Both mineralised and unmineralised quartz veins, are common. For example, gold assayed from 60 ppb to 3.2 g/t Au within a continuous 43.0 m interval (non-continuous analysed sample), including 0.47 g/t Au over 15.7 m (continuous analysed sample). Gold is associated with copper and arsenic enrichment and locally with nickel (maximum of 1.28% Ni), palladium (maximum of 3.1 g/t Pd) and platinum (maximum of 180 ppb Pt) enrichment. The most prominent dill hole intersections within Yasinski are:

- Surface sample: < 1.0 g/t Au; < 3650 ppm Cu, < 2600 ppm Ni, < 1.0 ppm Ag and < 1.0 g/t Pd;
- Hole 1800N-1 3.4 g/t Au and 3.6% Cu over 0.3 m;
- Hole 2550N-1 0.16 g/t Au, 0.39% Cu and 0.41% Ni over 4.9 m;
- Hole 2600N-2 1.3% Ni, 0.4% Cu and 0.22 g/t Au / 7.3 m containing values between 40 ppb and 672 ppb Au over 182 m (sections analysed were discontinuous);
- Hole 2600N-1 1.2 g/t Au / 7.3 m (also assays varying between 60 to 3200 ppb Au scattered over 43 m of core, but discontinuous sections);
- Hole 2800N-1 1.8 g/t Au / 0.9 m;
- Hole 4915N-1 1.32% Cu, 0.59% Ni and 1.0 g/t Au / 0.5 m.

No significant mineralised zones were found to date in this type of mineralization associated with sheared and altered mafic-ultramafic rocks, these being plagued with continuity, narrow thickness and/or low grades.

The "**Platinum-Augyva**" gold zone was defined by drilling that followed the discovery of a surface showing assaying at 45.0 g/t Au, about 2.0 km north of Lac Ultra (also reported as Yasinski-NE occurrence). Drill-core intersections, less than a metre to a few metres thick with grades of 0.5 to 5.0 g/t gold, but up to 12.4 g/t Au, are reported. The "Platinor-Augyva" gold zone is defined over 150 metres long, by 1.5 to 7.2 m wide and to a depth of 120 m, with grades between 2.77 to 7.67 g/t Au and an unweighted average of 3.1 g/t Au. The best intersection

*The "Platinum-Augyva" gold zone is the main prospect on the property, which has been drill delineated over 150 metres in length.*

reported at 2.86 g/t Au over 7.2 m. The gold mineralization is associated with mafic to intermediate pyroclastic rocks in contact with altered felsic pyroclastic rocks. The mafic to intermediate tuffs are metamorphosed, silicified and altered by amphibole, biotite, carbonate, chlorite, fuschite and garnet and contain large garbenschiffer amphibole. The mineralization and its sheared host are concordant to foliation, N210°-220°/NW and traced over long distances. This remobilisation is made of disseminated sulphide (1-10%) along the shear rocks, containing veinlets of pyrrhotite, pyrite, chalcopyrite, arsenopyrite, and local sphalerite and galena. Neighbouring felsic pyroclastic rocks are fine to coarse grain (lapilli and blocks tuffs), silicified and altered by sericite, biotite, chlorite, carbonate, fuschite and graphite. Felsic pyroclastites are injected by sterile or gold-poor sulphide-bearing quartz veins, unlike veins in the adjacent mafic to intermediate tuffs. The gold-bearing zone remains open to the southwest and at depth. Mineral resources estimate were not attempted, but are obviously limited. No subsequent drilling has been undertaken in this gold-bearing zone.

Several **gold-bearing late quartz veins**, are identified in the centre of the property. They injected various rock types, including mafic to ultramafic intrusions and the tonalite country rocks. These veins locally contain sericite, tourmaline, chlorite, amphibole and sulphides (py, po, cp, sp, gl, asp) and are injected in altered wall rocks. Such gold-bearing late quartz veins are mostly injected along shearing, but also fill tension fractures. These are thin (<0.5 m), isolated and discontinuous, scattered in the sterile host rocks. The few exceptions are noted in Hole 4400N-1 with a vein grading 2.1 g/t Au over 3.7 m, Hole 4400N-1 (2.1 g/t Au over 3.7 m), as well as some surface occurrences including Anomaly-14 (12.08 g/t Au), Platinum-8801 (12.08 and 5.5 g/t Au).

*Abundant minor gold occurrences, mainly quartz vein or shear related, are reported within the property.*

Some of these veins are also copper bearing, such as surface occurrence Lac Gasosabeekatch (6.5% Cu, 26.0 ppm Ag and 1.9 g/t Au and 7.3 g/t Au, 38.4 g/t Ag and 2.6% Cu over 0.2 m). No significant gold-bearing zones have been found to date in such veins, these being very thins or insufficiently documented.

Several **silver occurrences**, with subordinate gold and copper, are reported with grades between 14 to 49.4 g/t Ag, such as Instrument Knoll, Atsynia and Hole 286-7. Some are from massive iron formation, while others are quartz-sulphide veins injected at mafic volcanics and volcano-sedimentary contact. These occurrences are thin (<1.0 m), but can be traced over long distances. They were not adequately explored and poorly documented.

**Polymetallic massive sulphides** were explored for in the central western and southern areas of the property. Detailed mapping shows amphibolitic basalts with garnet and local spinifex texture (komatiite?), interlayered with mafic to intermediate tuff as well as felsic ash, lapilli and blocky-tuffs, some conglomerate, some oxide (magnetite) or silicate-(anthophyllite, grunerite, garnet) facies cherty iron formations. Some massive sulphides, dominated by pyrite and pyrrhotite, with minor graphite, are also intercalated in the sequence. Anomalous gold (0.1 to 2.8 g/t Au), silver (1.2 and 2.6 ppm Ag), copper (0.02-0.48% Cu) and zinc (0.02-0.1 % Zn) were reported. Such sulphide-rich iron formations contains some gold either in associated or not with mineralized quartz veins, such as Atikamakuch-588 (2.84 g/t Au) and Atikamakuch-571 (1.50 g/t Au) occurrences. Very long and coincident electromagnetic and aeromagnetic anomalies are caused by these massive pyrrhotite horizons and were considered as drilling targets for polymetallic massive sulphides in the iron formations. Only two short holes were drilled for such purpose, without significant intersects.

**Disseminated sulphide-bearing felsic rocks** host some low-grade gold remobilisation (500 ppb Au over 1.83 m), within the aforementioned package. Such remobilisation was found in the central western and southern areas of the property. They are thin (0.2 to 2.0 m), but can be traced over hundreds of metres. Most of these are however non gold-bearing. A large, underexplored intermediate to felsic rock complex is located in the southwestern area of the property.

*A stratabound massive pyrrhotite layer is associated with the volcanic, which has traces of base metals. The environment might be suitable for VMS type mineralization.*

The Ministry of Natural Resources of Quebec has recently proposed predictive maps for orogenic gold and porphyry Au-Cu (Mo) remobilisation within the James Bay area. The area encompassed by Yasinski property is almost completely within the potential zones for these two types of mineral deposits. Targets for orogenic gold were even identified within the property at sites still little or unexplored, one of these being close to the western boundary. Such prognostic models shall however be considered with caution.

In conclusion, most of the significant remobilisation (Au, Ag, Cu, Ni, PGE) reported on the property are epigenetic related to major and concordant thrust faults and shearing. Typically, they are located near late and discordant folds and/or faults accompanied by hydrothermal minerals and sulphides (py, po, cp, sp, gl, pd, asp). The host rocks are typically deformed and altered (k+, bo+, sr+, si+, am+, cl+, cb+, fu+, to+, gr+), locally injected of mineralized or non-mineralized quartz veins. Several of these epigenetic remobilisation might be the result of the remobilization of pre-existing syngenetic remobilisation. The late transect structures oriented east-north-east, north-west and north-

north-west as well as concordant structures oriented north-northeast/south-south-west have contributed to gold mineralization. This setting was best described in the Lac Delta area and the "Platinum-Augyva" gold zone.

The complex geological setting and the diverse mineral endowment of the property, render this property difficult to evaluate properly, just based upon historical work. It is therefore recommended that a field mapping and sampling program being conducted to properly evaluate the situation, prior to initiate any indirect exploration methods (geophysics or geochemistry) or to drill test any target.

*Considering the complex geological setting and the abundance of minor mineral occurrences, it is recommended that a field evaluation being carried prior to initiate more substantial exploration program.*

Several areas of the property remain apparently underexplored for precious (Au, Ag, PGE) and base (Cu-Ni) metals, and can be recommended as exploration targets.

1. The central area of the property, in vicinities of Yasinski-NW Fault, where the best concentrations of gold within the property are reported in terms of both grade, thickness and continuity. It is suggested that the geological setting of such gold mineralization should be reassessed, eventually with the use of soil geochemistry;
2. The southern area of the property has been little or completely unexplored. The area is potentially the southern extension of some gold and silver occurrences located farther north. The banded iron formations and the volcano-sedimentary rocks located between felsic volcanic rocks and mafic volcanic rocks are significant metalotects. Numerous electromagnetic conductors coincident with magnetic anomalies and locally on "K" spectrometric anomalies extend for kilometres. They are still unexplained. One possible little explored feature deserving attention is a felsic volcanic centre located in the southwestern area. The two orogenic gold targets identified on the property are located in the same southern area;
3. Several other untested coincident magnetic and electromagnetic linear anomalies are located at the centre and in the northern areas of the property, within geological environment favorable for polymetallic mineralization.

However, considering the complex geological setting of the property, the abundance although non-systematic exploration work, the author is reluctant to recommend initiating hereto detail exploration work prior to validate in the field the results of the current compilation. It is therefore recommended that a prospecting program been conducted on

the property next summer, for a budget of \$250 000. Following such program, a more intensive exploration program could be proposed if warranted.

## INTRODUCTION

IOS Services Géoscientifiques received a mandate from Augyva Mining Resources Inc. to compile geological and statutory work carried out on their Yasinski mining property in James Bay, Quebec. The property is located east of Yasinski Lake and close to the point where the Trans-Taiga Road branches off from the James Bay Road; the Trans-Taiga Road goes to LG-3 and LG-4 reservoirs farther east and the James Bay Road leads to Radisson.

The objectives of this compilation are to:

1. Update geological knowledge;
2. Update remobilisation including precious and base metals, as well as precious stones, if any (diamond, emerald);
3. Identify the mineral potential of the property and the types of mineral deposits associated with the property;
4. Pinpoint unexplored or little explored areas, if any;
5. Identify new exploration targets, if any.

The mandate covers the compilation of previous geological and mining work by acquiring and processing data from geological and mining databases of the Quebec government in the public domain (SIGEOM, EXAMINE, GESTIM) and incorporating the few Augyva's proprietary data.

The mandate includes the compilation of following historical information:

- Local and regional geological surveys;
- Study and evaluation of the mining potential of James Bay;
- Rock samples and their lithogeochemical results;
- Geochemical survey of lake-bottom and stream sediments, and of soils if any;
- Ground and aerial geophysical survey;
- Diamond and reverse circulation drilling, if any;
- Reports of statutory work issued by previous mining claim holders;
- Unpublished reports and work carried out by Augyva Resources.

The mandate also covers a compilation summary of mineralizations present on the vicinity of the Yasinski property, an examination of the entire band of Yasinski greenstones if it becomes relevant. The compiled data and the results of the compilation are presented on a set of digital maps at an appropriate scale for easy viewing of the

information and its interpretation. The final maps are created using GIS system and may later be used by the client.

Based on the compilation, several exploration targets are identified, accompanied by summary recommendations for work to be carried out on the property. However, we do not include a proposal for an exploration program with budget as per agreement with the client.

## LOCATION AND ACCESS

The Yasinski property is located 50 km south-east of Radisson and La Grande Reservoir, and 400 km north of Matagami, Quebec (**figure 1**). It is located in un-surveyed townships 3014 and 3114, NTS sheet 33F06. The Yasinski property is centered on geographical coordinates 53°20'35.39"N latitude and 77°18'59.09"W longitude or on UTM-X coordinates: 345792 and UTM-Y: 5912947 of NAD 83, Zone 18.

*The Yasinski property is easily accessed, being traversed by the Trans-Taiga highway, a few kilometres from its junction with the James Bay paved highway.*

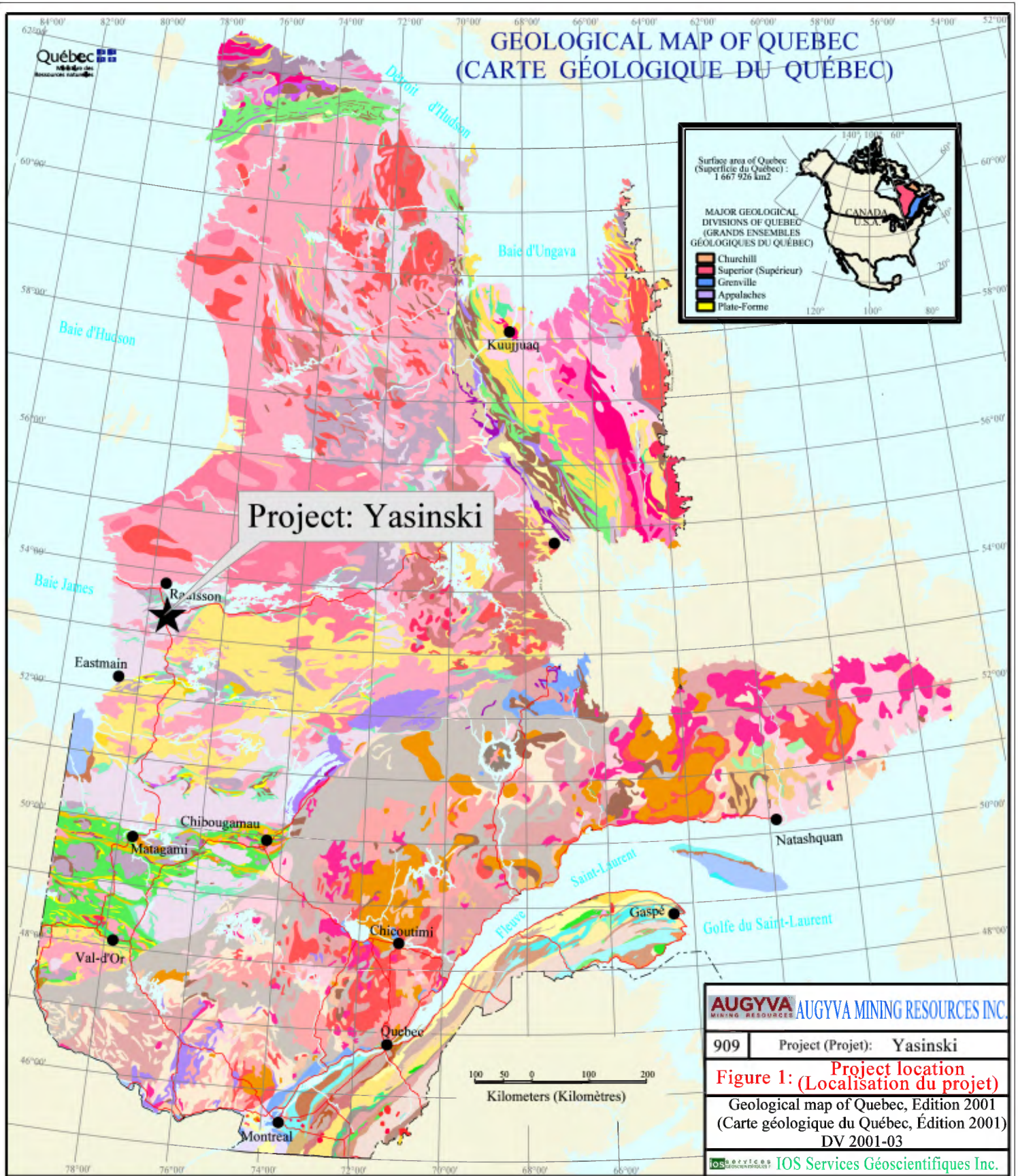
Access is via paved Route 109 from Matagami towards Radisson. At the intersection of Route 109 / Trans-Taiga Road, one needs only to go east for 8.5 km to be at the centre of the property. The Trans-Taiga Road goes approximately across the centre of the property. A high-tension line cuts across most of the northern half of the property in a NNW-SSE direction. There are no other access routes to the property.

## TERMS OF REFERENCE

The geological compilation on the Yasinski property was carried out at the request of Augyva Mining Resources Inc. (Augyva). IOS has no interest or holdings in any of the Augyva mining properties. In addition, IOS was not involved in the process of acquiring mining titles for the Augyva property or in the creation of the project.

The documents consulted for the compilation come from public documents from several sources, including:

- Databases published by *ministère des Ressources naturelles du Québec (MRNQ)*, specifically EXAMINE and SIGEOM for geological and statutory work;
- GESTIM for information about mining titles, and restrictions on mining exploration and exploitation that may be before the courts in the territory of the Municipality of Baie James.



Augyva Mining gave access to a few unpublished documents they had available.

The current report is not written in accordance of and is not compliant to NI-43-101 guidelines, and shall not be use for financial purposes.

### PROPERTY DESCRIPTION

The Yasinski property covers a block of 155 map-designated cells (CDC) located in the centre-south area of NTS sheet 33F06 (**figure 2**). The 155 CDC are generally at least 51.5 hectares each for a total of 5627.77 hectares (**appendix 1**). The property is 5 km wide by 12 km long in a north-north-east/south-south-west direction. Many of the cells show irregular outlines inherited from former staked claims. The cells are numbered:

*The Yasinski property is made of 155 map designated cell, for 56 square-kilometres, registred 100% to Augyva Resources.*

CDC 14487 - 15489; CDC 56812 - 56815; CDC 58015 - 58018;  
CDC 62370 - 62373; CDC 2010787 - 2010793; CDC 2050690 - 2050699,  
CDC 2072835 - 2072839; CDC 2072928 - 2072936; CDC 2072938;  
CDC 2072941; CDC 2072947; CDC 2072950; CDC 2072971; CDC 2072974;  
CDC 2072980 - 2073007; CDC 2073345 - 2073348; CDC 215619;  
CDC 2258568 - 2258569; CDC 2258611 - CDC 2258676

The property titles are 100% owned by Augyva Mining Resources Inc., headquarters in Toronto, as shown in the mining rights registry. The territory covered by the claims is under the jurisdiction of the Municipality of Baie James and have no legal restrictions.

### REGIONAL GEOLOGY

The rocks on the property belong to the La Grande Subprovince within the Archean Superior Province. The La Grande Subprovince contains two volcanic belts: the La Grande (CVLG) and the Middle and Lower Eastmain (CRVMBE). The Yasinski property lies in the western section of the CVLG (**figure 1**). The northern segment of La Grande Subprovince is bordered to the north by the Bienville Subprovince characterised by granitoids and orthogneiss. It is limited to the south by the Opinaca Subprovince characterised by migmatized clastic metasedimentary rocks and amphibolite streaks and includes the large Laguiche Basin (**figures 3 and 4**, Chartrand and Gauthier, 1995, Lamothe, 2009). Metamorphism in the La Grande Subprovince ranges from greenschist

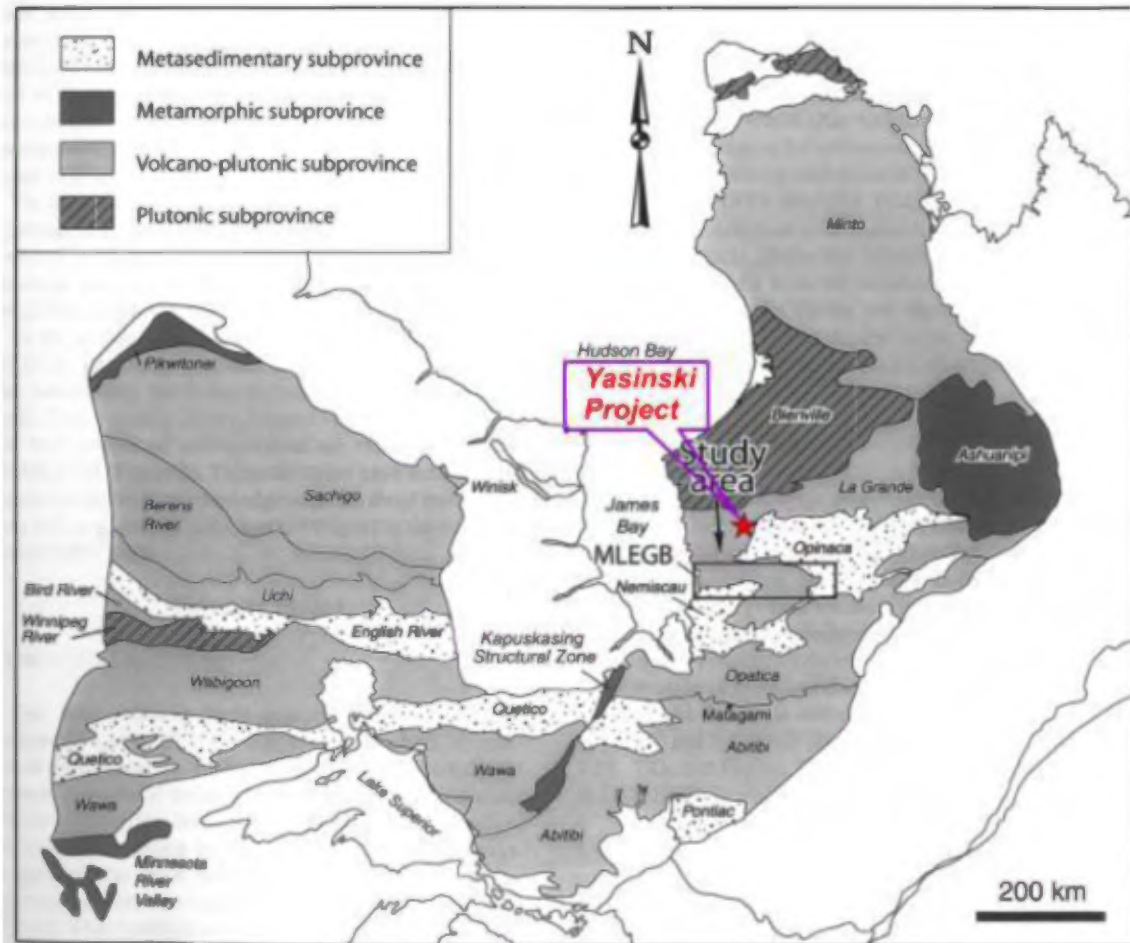
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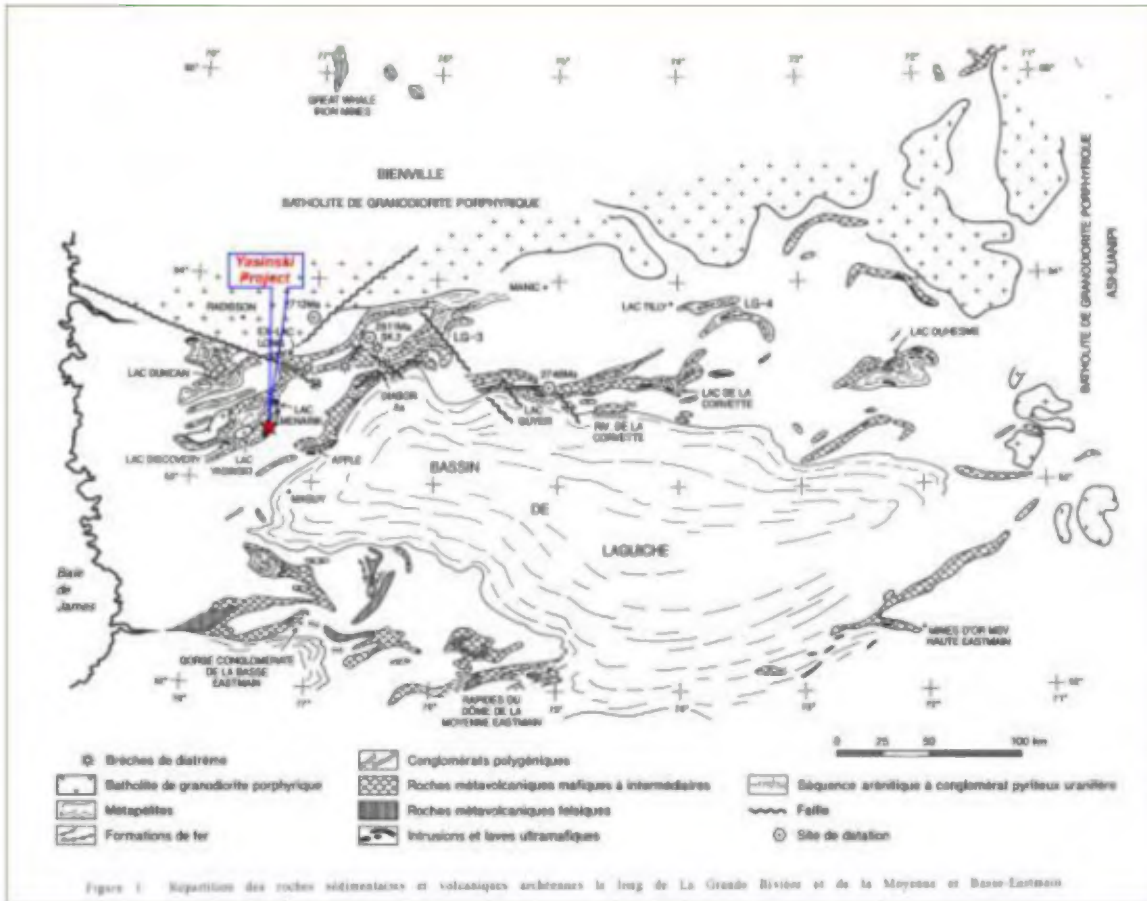
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to upper amphibolite facies, whereas in the Opinaca Subprovince it ranges from upper amphibolite to granulite facies. The rocks of the La Grande Subprovince are similar to those of the Sachigo, Uchi and Wabigo Subprovinces of Northwestern Ontario (**figure 3**, Lamothe, 2009, Goutier et al., 2002). These subprovinces are characterised, like the La Grande Subprovince, by the presence of an Archean basement, Archean arenitic sequences intruded by chromite-bearing ultramafics at their bases and are topped by supracrustal volcano-sedimentary rocks (Bandyayera et al., 2010).



**Figure 3:** Map of geological subdivisions of the Superior Province



**Figure 4:** Distribution of volcano-sedimentary rocks of the La Grande Sub-Province including the Laguiche basin (Opinaca Sub-province). Modified from Chartrand and Gauthier, 1995.

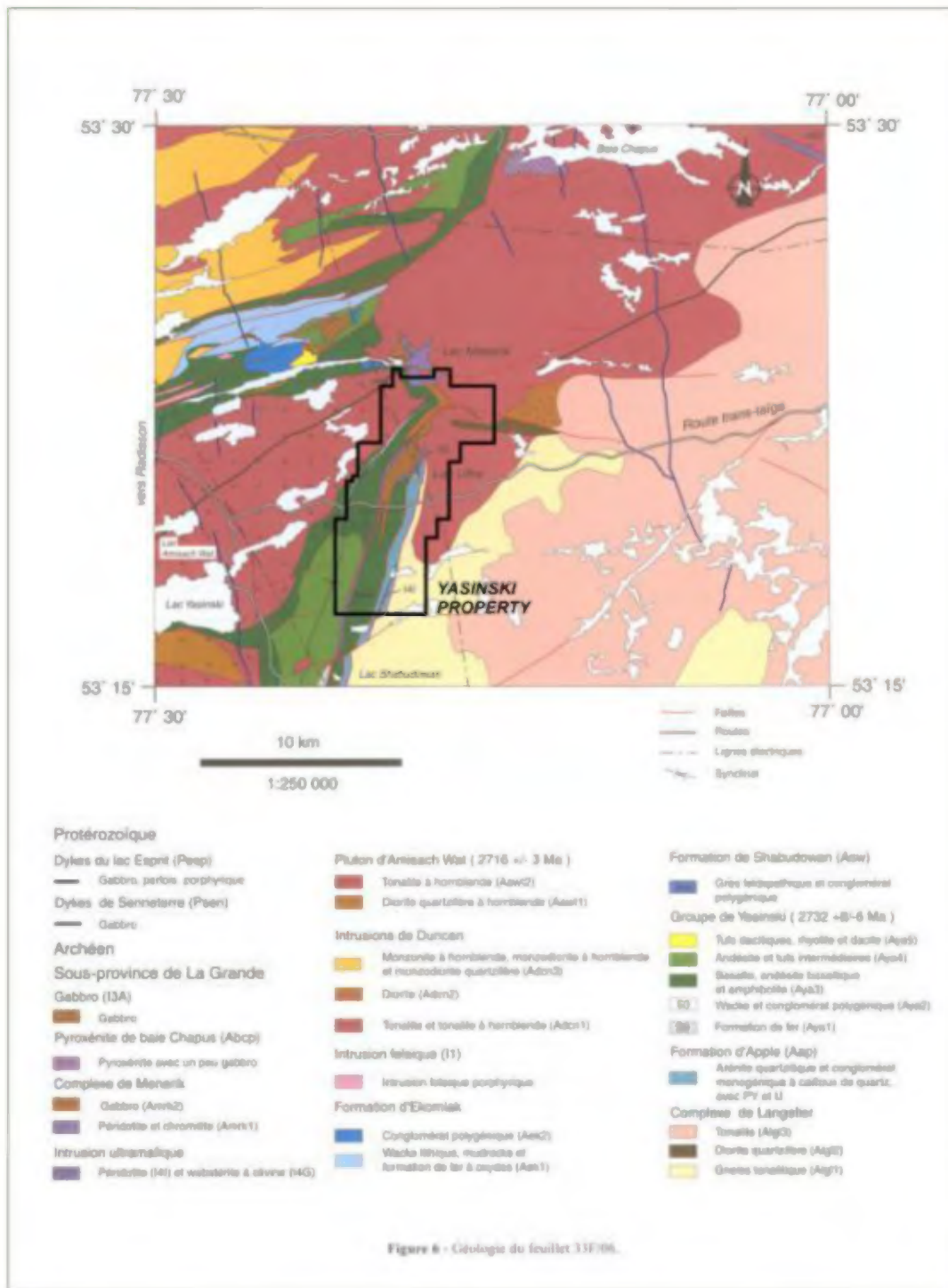
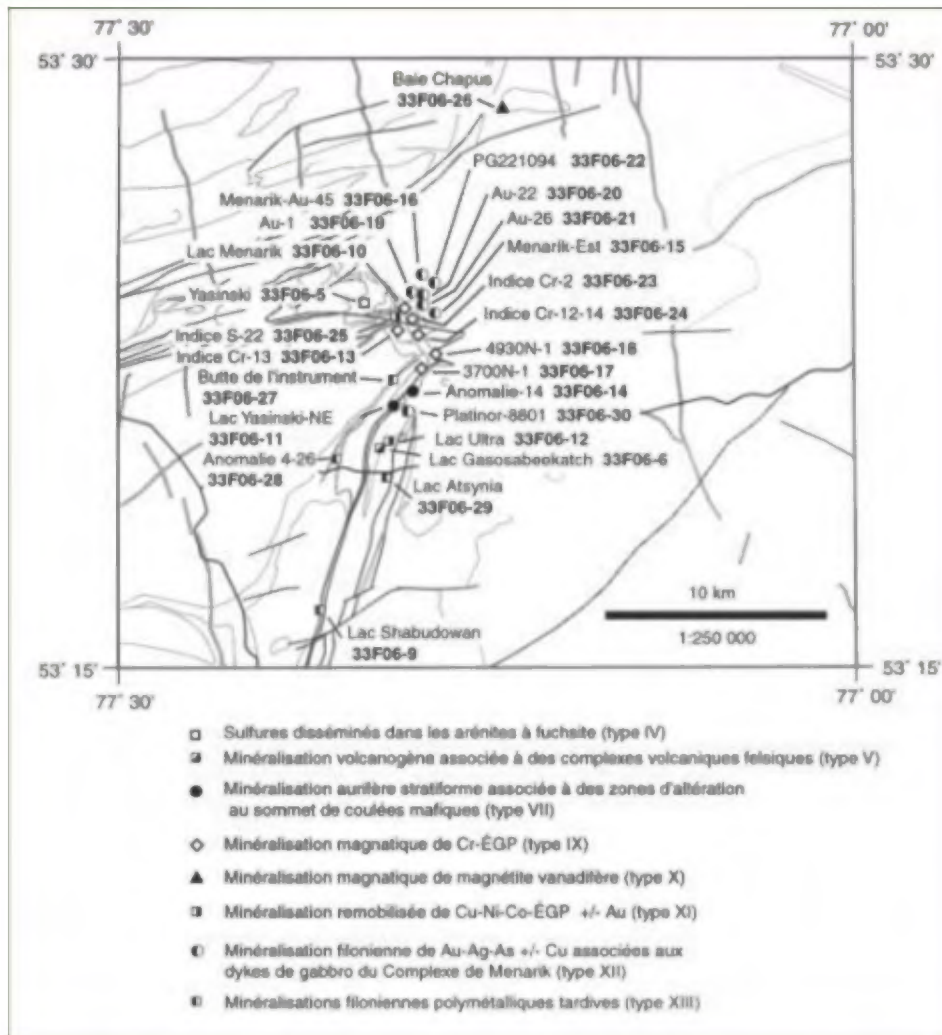


Figure 5: Regional geology, sheet 33F06. Modified from Goutier et al., RG 98-16.



**Figure 6:** Location of the mineral occurrences and ore deposit types of the Yasinski lake area. Modified from Goutier et al. [RG 98-16]

The rocks of the Yasinski property are included in the Lac Yasinski greenstone belt (**figure 5**). This belt is mainly composed of mafic volcanic rocks interlayered here and there with volcanic and pyroclastic rocks of intermediate to felsic composition as well as volcano-sedimentary and metasedimentary rocks. Ultramafic and felsic granitoids inject these rocks. The region includes a few remnants of Proterozoic sediments of the Sakami Formation and Proterozoic gabbro-dyabase dyke swarms.

## LOCAL GEOLOGY

Goutier et al. (1998) carried out the most recent mapping in the Lac Yasinski area. The stratigraphic sequence is subdivided into four events:

1. Emplacement of an old gneissic and plutonic complex (Langelier Complex);
2. Emplacement of a volcano-sedimentary sequence with a quartzite and pyritic quartz pebble conglomerate at its base (Apple Formation) followed by mainly mafic volcanics (Yasinski Formation);
3. Emplacement of tonalite and granite intrusions (outside of the property) and the mafic-ultramafic Menarik Complex;
4. Emplacement of biotite granite and tourmaline pegmatite.

The rocks of the Langelier Complex (Alg11 to Alg13, **map 1**) consist of tonalitic gneiss, quartz diorite, and biotite and hornblende tonalite. These gneiss are reported as among the oldest in the Superior Craton. At the base of the La Grande greenstone sequence is the Apple Formation (Aap) consisting of fuchsite-bearing quartz arenite and polymictic conglomerate with quartz pebbles, pyrite and uraninite in an erosional unconformity on the Langelier Complex. These rocks are overlain by basalts, andesites and a silicate- and oxide-facies iron formation (Aya1 to Aya4) from the *Yasinski Group*. These rocks are interlayered in places with sandstone, polymictic conglomerate, intermediate lapilli tuff and a few felsic volcanic rocks ranging from dacite to rhyolite in compositions. The rocks of the Yasinski Group are covered by sandstones and conglomerates of the Shabudowan (Asw) and Ekomiak Formations (Aek1 and Aek2).

*The Yasinski property encompass part of the Langelier Complex old tonalitic gneiss, Yasinski Group dominated by volcanic and iron stone, Menarik ultramafic complex and Ekomiak group dominated by clastic sediments.*

A second generation of tonalite, monzonite and quartz diorite intrusions were implaced after the first phase of deformation (D1), including the Duncan (Adcn1 to Adnc3) and Amisach (Aawt1 and Aawt2) intrusions that are located outside of the property. All these rocks are injected by gabbro, peridotite and pyroxenite, including the Menarik Complex (Amr1 and Amr2) known for containing chromium, nickel, PGE, gold, silver and copper occurrences.

The last geological events are expressed by ovoid gabbro and lamprophyre intrusions, a pegmatitic pluton and diabase dykes.

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There is very little information or interpretation of the structural events that affected the rocks of the Lac Yasinski area and of the property. Regional mapping carried out by the Quebec government gives very little structural information due to a lack of access to the territory and the scale of the maps produced (Goutier et al., 1998, Sharma, K.N.M, 1977). Mining exploration companies cover the structures affecting the rocks in a little more detail since they may have contributed to precious and base metal deposition (Chainey, 1990 [GM<sup>1</sup> 50180]; Borduas, 1990 [GM 50437]).

Volcanics and gneisses of the Lac Yasinski sector form very deformed faulted and locally folded assemblages that are separated by mylonite zones and local younger tonalite plutons. Three structural assemblages are recognized in the Lac Yasinski area:

1. Intense deformation of the gneissic Langelier Complex associated with mineral and gneissic banding and segregation;
2. Folded, faulted and imbricated volcano-sedimentary rocks having an east-north-east and north-north-east tectonic fabric, and exposing deformed and thick bands separating the little deformed monoclinical panels;
3. The much less deformed late tectonic Duncan and Amisach Watt felsic intrusions represent the third structural assemblage.

Several phases of deformation and folding are recognized, forming dome and basin structures. Thus old rocks are set against young ones, and highly metamorphosed rocks are set against low grade metamorphic ones, which setting is usually recognized as fertile in regard of remobilisation .

In the area covered by the property, the volcano-sedimentary rocks show tectonic fabric oriented southwest and south-southwest that dip steeply west and northwest (*map 1*, Goutier et al., 1998). Several concordant thrust faults and shearing/mylonite dissect the property. The long shear/mylonite zones are mapped mostly in the contact areas of the Apple Formation quartzites and conglomerates with bands of volcano-sedimentary rocks to the west and gneissic rocks to the east. The long thrust faults are mapped at the contact between the Shabudowan Formation sandstones and conglomerates and the volcano-sedimentary rocks to the west and the gabbro-pyroxenite-peridotite sills to the east. Thrust faults are eventually

*The tectonic fabric is dominated by a south-southwest trending foliation with concordant shears and thrust faults.*

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<sup>1</sup> "GM" series of reports refers to the index of assessment reports archived at the MRNQ.

younger than the D1 deformation since they cross-cut the Menarik Complex whose rocks are known to be little deformed and post D1 (Goutier et al., 1998). A number of gold and polymetallic mineralizations are found associated with this thrust fault setting.

Several synclinal folds, kilometres in width, were mapped south of the Trans-Taiga Road (*map 1*). These synclines are overturned to the west and reworked by thrust faults. The centre of the synclines contain the youngest rocks of the Yasinski Group (*Aya4*), including intermediate to felsic volcanics.

Some transect faults oriented east-north-east were mapped in the southern section of the property and beyond. They cut all the rocks as well as the thrust faults. Several other east-north-east, north-west/south-east and north-north-west/south-south-east transect faults are recognised on the property and in the Lac Delta area. These late faults were identified, but not necessarily mapped, according to exploration work carried out by several companies (*map 1*). These probably contributed to concentrating gold mineralization, same as the Yasinski-NW fault (Chainey, 1990; Borduas, 1990 [GM 50437], [GM 50180]).

## LOCAL AND REGIONAL METALLOGENY

Several types of mineralizations have been identified so far in the La Grande Sub-Province, gold mineralization is by far the largest explored (Bandyayera, et al., 2010). Recent exploration focused primarily on Goldcorp's Roberto/Eléonore type of deposits, which was discovered at the La Grande and Opinaca sub-provinces suture zone. This world-class epigenetic deposit has combined proven and indicated reserves from 12.48 Mt to 7.56 g/t Au or 3.03 m oz. of gold (Goldcorp website Nov. 2012).

*The gold endowment of the Lagrande sub-province has been demonstrated by the discovery of the Eleonore mine by Mines d'Or Virginia, and its ongoing development by Goldcorp Canada.*

Gold is associated with polydeformed and altered (mostly potassic) rock sequences with quartz-tourmaline-sulphide veins located near volcano-plutonic rocks. The discovery of this deposit triggered a wide frenzy of exploration throughout the area.

In the area of Lac Yasinski, several mineral occurrences (showings) were compiled and classified into various deposit types (Goutier et al. 1998, Gauthier et al. 1997), as follow:

- Uranium bearing conglomerate **U, +/- Au** (type 1);
- Algoma type oxide-facies iron formation **Fe** (type II);
- Algoma type sulphide-facies iron formation **+/- Cu-Zn-Ni-Pb-Ag-Au** (type III);

- Disseminated sulphides in fuchsite-bearing arenites **Cu-Zn-Pb-Au-Ag-As** (type IV);
- Volcanogenic massive sulphide mineralization associated with felsic rocks **+/- Cu-Zn-Pb-Au-Ag** (type V);
- Stratiform gold mineralization associated with silicate- and oxide-facies iron formations **Au-Ag** (type VI);
- Stratiform gold mineralization associated with alterations located at the top of mafic flows **Au-Ag-As, +/- Cu-Zn-Pb** (type VII);
- Magmatic **Cr-PGE, +/- Ni, Cu, Co** mineralization (type IX);
- Magmatic vanadium-bearing magnetite mineralization (type X);
- Remobilised **Cu-Ni-Co-PGE, +/- Au** mineralization (type XI) ;
- **Au-Ag-As, +/- Cu**-bearing vein mineralization associated with Menarik Complex gabbros (type XII);
- Late polymetallic **Cu-Zn-Pb-Au-Ag-As, +/-Ni**-bearing vein mineralization (type XIII);
- Gold mineralization associated with longitudinal shear zones **Au-Ag, +/- As-Cu** (type XIV);
- Mineralization associated with pegmatites **Li +/-Be-U-Th-Mo** (type XV).

These types of mineralizations and the known occurrences they represent are described in **appendix 2** and located on the map of **figure 6** and on **map 1**. Several of these showings are located on the property. They are described in more detail in the *Compilation of Historical Data* section.

## COMPILATION OF HISTORICAL DATA

Altogether approximately fifty documents were compiled, covering all or part of the Yasinski property (**figure 7**). Approximately two thirds are "GM" documents from assessments work issued by mining exploration companies. The remaining third are geological documents published by the *ministère Ressources naturelles* du Québec (MRNQ), *secteur Mines*, covering all or part of the Yasinski property. The reference list of these documents is accessible via the SIGEOM database of MRNQ. The documents are described and can be consulted on the MNRQ site, EXAMINE. A synopsis was prepared for each of the documents examined, containing a summary of the work carried out, significant result obtained and recommendations made (**appendix 3**). The location of these studies is presented in

About 50 documents are related to the Yasinski property, two third of which being assessment report handed by former exploration companies. All were consulted and compiled if relevant.

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**figure 7.** Identification of any work that went beyond the Yasinski property is given along the frame of **figure 7**.

The components compiled are:

- Geology of the Yasinski property as well as the outcrops visited and mapped (**map 1, appendix 4**);
- Rock sampling sites, along with the geochemical results, are presented on separate maps for gold, silver, arsenic, copper, zinc, lead, nickel and chromium; each element is represented by its appropriate symbol (**maps 2 to 8, appendices 4 and 5**);
- Mineralised occurrences, mineralizations, drill holes with collars, lithologies and intersected mineralizations (**map 1, tables 1 to 3, appendices 5 and 6**);
- Grids and locations of assessment works (**figure 7, map 9**);
- Lake-bottom and stream sediment sampling sites as well as the results of geochemical analyses represented by appropriate symbols (**maps 2 to 8, appendix 7**);
- Geophysical anomalies from ground and aerial electromagnetic, magnetic, radiometric/scintillometer and induced polarisation surveys (**maps 1 to 8**).

### COMPILATION – LOCAL AND REGIONAL GEOLOGY

Geological compilation was facilitated by the importation and preparation of the geological map from SIGEOM database (**map 1, appendix 9**). It is faithful to the basic geological data published by the Quebec government (Sharma, 1977; Chartrand and Gauthier, 1995; Gauthier, 1996; Gauthier et al., 1997; Goutier et al., 1998). The regional geology section of this report presents the local and regional geological features. The SIGEOM geological map of the property was updated using the information obtained from the assessment work. We refer the reader to the assessment documents directly to obtain more detail on the geology of the sections worked, especially on the grids. Some geological maps of grid and location of analysed samples appear in **appendix 4** to facilitate the consultation. Maps in **appendix 4** are accompanied by geochemical analyses when needed.

*Regional was detailed by the provincial government geologist in 1990's, and is available from their SIGEOM geoscientific information system.*

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NAME & YEAR DISCOVERY	COMPANY	MINERALIZATION	TYPE	ASSAYED	DRILLED ? COMMENT
Butte de l'Instrument or Intrument Knoll or Anomaly 4-23 (1959, GM 10200)	Main Exploration Co Ltd	The Ag, +/- Au mineralization is quartz vein within impure graphitic quartzite and iron formation and close to contact with basalt. Characterised by disseminated and thin massive pyrite veins and laminates, also arsenopyrite in quartz-graphite veins.	Ag +/-Au (1)	Grab samples : 49.37 g/t Ag ; 14.4 g/t Ag et 0.69 g/t Au.	Not drilled showing. Two drill holes were drilled by the same company at 300m NE which intercepted graphitic quartzite with sulfide. No assayed sample was reported
Anomaly 4-26 (1959, GM 10200)	Main Exploration Co Ltd	The silver (Ag) mineralization consists of chalcopyrite associated with quartz and graphite within quartzite.	Ag (XIII)	Grab samples : 8.23 g/t Ag.	Not drilled showing. Furthur surface exploration work (detail geology, BeepMat, sampling) carried out by another company (GM 55997) in 1997 which has been taken several samples but without significant assay result.
Lac Atikamakuch-571 (1997, GM 55997)	Explorateurs Innovateurs	The gold (Au) mineralization consist of quartz-pyrrhotite vein within silicate and sulfide facies iron formation	Au (XIII)	Grab sample: 1.5 g/t Au	Not drilled showing. Numerous samples taken around the Lac Atikamakuch-571 showing gave no significant gold result.
Lac Atikamakuch-588 (1997, GM 55997)	Explorateurs Innovateurs	The gold (Au) mineralization is concordant into anthophyllite-garnet-bearing sulphide-magnetite facies iron formation within sequence of tuff, and close to garnet-bearing aphanitic basalt. It characterized by 10 to 85% massive pyrrhotite horizon and veinlets with wall rocks alterations (sr+, si+)	Au (VI)	Grab samples : 2.3 g/t Au ; -Channel sample : 350 ppb Au sur 1.4 m ; and 2,382 ppb Au (5 kg bulk sample) ; Drill hole : 500 ppb Au over 2 m	Drilled showing.
Lac Ultra -1 (1959, GM 10200)	Main Exploration Co Ltd	Differentiated and banded pyroxenite and serpentinized peridotite sills. The Cu and Pd mineralization is characterized by 1 to 2% disseminated chalcopyrite and pyrrhotite with magnetite veinlets.	Cu (Pd) (XI)	0.52% Cu and 1.0 g/t Pd (grab)	Drilled showing. Furthur surface exploration work (detail geology, trenching, rock sampling) carried out by Noranda and Platinum-Augyba Group (See below)
Lac Ultra -2 (1988, Gm 48682) (see Appendix 4a)	Ressources Minières Platinor	Same as Lac Ultra-1. sheared and altered (tc+, cb+, st+) serpentinized pyroxenite and peridotite with 1-3% po, 1% cp	Cu-Ni-Pd-Pt (XI)	Cu( 0.23 to 0.52%), Ni (0.1 to 0.26 %), Pt (110 to 400 ppb) and Pd (170 to 1000 ppb), Cr(0.1 to 0.21% Cr)	Drilled showing (75N-1) which intercepted 0.34% Cu-Ni with 0.66 g/t Pt Pd over 8.45m
Lac Ultra -3 (1990 GM 50180) Anomalies 1, 2, 4, 9 and 11 (see appendix 4b)	Noranda Exploration	A-1b: Discordant qz veins within altered (cl+, bo+) amphibolite with py-cp; A-2: Altered (tm+, ar+, cl+) serpentinite with po,cp cut/brecciated by discordante ENE fault; A-4b: qz-cc vein within muscovite bearing mylonitic amphibolite with py, cp; A-9b: qz-cc, py-po-cp veins within altered (cl+) mylonitized garnet-bearing amphibolite; A-11c: altered (bo+, cl+) mylonitized amphibolite with py, cp, asp	Cu-Zn-Au-Ag (XIII)	A-1b: Au (50 to 229 ppb), Cu (0.23%), Zn (0.32%), Ag (1.2 g/t); A-2: Cu (0.35%), Ni (0.29%), Pt (191 ppb), Pd (973 ppb); A-4b: Au (138 to 1030 ppb), Cu (0.37%); A-9b: Au (36 to 1081 ppb), Cu (< 0.47%); A-11c: Au (631 to 5670 ppb)	All mineralizations are associated with concordant mylonitic zone. There located around Ultra lake area and widespread until 2.0 km to the north. Some are drilled (A-9 et A-11) by Platinum-Augyba group
Lac Gasosabeekatch (1959 Anomaly 4-30, GM 10200/1990 GM 48682, GM 50438 )	Main Exploration Co Ltd / Ressources Minières Platinium	The Cu-Au-Ag mineralization occurs is a brecciated basalt interbedded with intermediate tuffs, iron formations and lenses of conglomerate intruded by gabbro sills. The mineralization is massive and disseminated pyrrhotite, chalcopyrite, magnetite, sphalerite, galena, pyrite, nickel sulphide and native copper with graphite and actinolite.	Cu-Au-Ag (V)	Grab samples: 6.5% Cu, 26 g/t Ag et 1.93 g/t Au ; Drill hole: 2.61% Cu, 38 g/t Ag et 7.33 g/t Au over 0.2 m (hole 1400N-1)	Drilled showing. Mineralized zone oriented NNE-SSW measuring 2.0km from lac Ultra to drill hole 1400N-1 to NNE
Cr-12-14 (1990 GM 48682)	Ressources minières Pro-Or inc.	Disseminated and massive chromite thin bands with lesser amounts of magnetite and pyrrhotite within altered (sr+, tc+, cb+, ac+) peridotite sill of Menarik complex . Peridotite is hosted in sheared metabasalt.	Cr (V)	Grab: 15.9% to 24.4% Cr and drill hole: 19.35% Cr over 1.7m	Drilled showing.
Lac Yasinski-NE (1989, GM 50437, GM 50502, GM 50503) see figure 10	Ressources minières Platinor Inc.	The mineralization Au-Ag-Cu is within altered (am+, bo+, cl+, gr+) tuffaceous rocks of basic to intermediate composition near the contact with altered (bo+, am+, gr+) felsic tuff. The mafic tuff (or silicate facies iron formation ?) contain varying amounts of arsenopyrite and pyrrhotite, with minor amounts of pyrite, sphalerite and chalcopyrite and traces of galena. Quartz veins contain tourmaline, chlorite and amphibole. The mineralization is associated with shear zones and less quartz veins.	Au(Cu,Ag) (VII et/ou V)	Grab samples: 5.67 g/t Au, 45 g/t Au ; 12.4 g/t Au and 1 g/t Ag ; 5.5 g/t Au and 6.5% Cu ; 1.9 g/t Au and 26 g/t Ag -from drill holes: 2.9 g/t Au and 38.9 g/t Ag over 2.35 m ; 7.67 g/t Au over 2.1 m ; 2.86 g/t Au over 7.2m; 5.01 g/t Au over 3.15 m ; 3.06 g/t Au over 2.15 m ; 2.77g/t Au over 1.35 m ; 10.18 g/t Au over 0.2 m ; 2.21 g/t Au over 1.9 m	Drilled showing. "Platinum-Augyva" gold zone: 150m long x 1.5 to 7.2m wide x 120 m deep with average gold graded 3.1 g/t Au open to two directions
3700N-1 (1990, GM 50437)	Ressources minières Platinor inc.	Chromite (Cr) mineralization is concentrated in chromitite levels contained in a peridotite sill hosted in sheared metabasalts. Gold (Au) mineralization is encountered minor in metabasalt. The chromite mineralization occurs in massive bands to disseminated within chromitite dunite (5-50% chromite) associated with magnetite and pyrrhotite. The PGE mineralization come from sulphides in silicate nodules included in the beds of chromite.	Cr (IX)	Drill holes: 10.74% Cr2O3 over 6.1 m ; 3.76% Cr2O3 over 6.7 m ; 3.86% Cr2O3 over 1.4 m ; 1.7 g/t Au over 0.25 m ; 19.75% Cr2O3 over 9.1 m	Drilled showing.
Lac Atsynia correspond à l'indice Lac Talc de Main Explorations. (1959, GM 10200)	Main Exploration Co Ltd	The silver (Ag) mineralization is associated with quartz vein located at the contact between basalt and quartzite. Mineralization consists of pyrite, pyrrhotite and chalcopyrite with associated quartz and graphite.	Ag (XIII)	Grab sample: 21.94 g/t Ag.	Not drilled, but Main Explo drilled at 150m north east from the showing. No assayed sample and result published
Platinor-8801 (1990 GM 48682)	Ressources minières Platinor inc.	The mineralization (Au,+/-Ag) is found in a quartz vein with tourmaline, chlorite, sericite, pyrite, arsenopyrite and silver minerals filled in sheared and foliated and brecciated biotite tonalite contact with a gabbro dyke.	Au(Ag) (XII or XIII)	Grab samples (GM 48682): 12.4 g/t Au et 1 g/t Ag ; 5.5 g/t Au.	No drilled. Surface detail prospecting and sampling carried out in showing area
Anomalie 14 (1989 GM 50180)	Mines et Explorations Noranda Ltée	The gold (Au) mineralization come from quartz veins with arsenopyrite, pyrite, chalcopyrite, sphalerite and galena associated with actinolite, biotite and garnet alterations.	Au (VII or XIII)	Grab sample : 12.08 g/t Au.	Not drilled. Many exploration works (geology, sampling, drilling) carried out at 250m west of the showing
Forage 54427 (1976 GM 57876 et GM 32119) (southern margin of property)	Canadian Nickel Company	The uranium (U) mineralisation is characterized by disseminated and laminated pyrite within quartz-pebble conglomerate and arenite intruded by gabbro and ultramafic dykes	U (I)	Sample from drill holes: 0.08% U3O8 (680 ppm U) and 0.12% ThO2 (1056 ppm Th) over 17.7 m.	Drilled showing
Cr-13 regrouped Cr-09, Cr-10 and S-2 showings (1988 GM 49677, GM 49676, GM 48682)	Ressources minières Platinor	Chromite (Cr) mineralization is disseminated and massive chromite (0.40to 2.5m wide x 20m long) with lesser amounts of magnetite, pyrrhotite, chalcopyrite and pentlandite within serpentinized metaperidotite from Menarik intrusive Complex.	Cr and Cu-Ni (XI et IX)	Grabe samples : 24.92% Cr2O3 ; 27.33% Cr2O3 ; 36.1% Cr2O3 ; 24.99% Cr2O3 ; Grabe samples : 4.8% Cu, 1% Cu, 0.4% Ni Grabe samples : 16.83% Cr and 16.77% Fe.	Not Drilled
4930N-1 also included showing 5100N-1 (1990 GM 50437)	Ressources minières Platinor inc.	The chromite (Cr) mineralization occurs in serpentinized peridotite and dunite hosted in sheared metabasalts. The cupro-nickel mineralization was encountered in a thin horizon of black aphanitic metabasalt with siliceous appearance. PGE mineralization is syngenetic inclusions in chromite grains or associated with sulphides of chalcopyrite, pyrrhotite and pentlandite.	Cu-Ni-Ag (IX et XI)	Samples from drill hole : 10.96% Cr2O3 over 12.7 m; 350 m NW another sample : 22.18 % Cr2O3 over 0.95 m ; 4.06% Cu, 0.35% Ni and 15.5 g/t Ag over 0.3 m	Drilled showing

See Appendix 4 and 5 for location and more detail

Table 1: Mineral Showing Description located in (or close to) Yasinski-Augyva property, James-Bay.

# Report	Drill Hole Number	UTM X Nad 83, Zone 18	UTM Y Nad 83, Zone 19	Lithology intersected*	Mineralizations intersections			
Gold (Au,+/- Ag)				* Mineralized intersection come from red highlighted section	1	2	3	4
GM 55998	1 ( EX-97-10)	343864	5917013	V[TUJ]/F1/V3B,[EN]S9	0.35 g/t Au / 3.1m			
GM 55998	2 ( IN-97-10)	343866	5910925	V3B,[EN]S9,V1[TUJ]	0.5 g/t Au / 1.83m			
GM 50437	2000N-1	346143	5914651	V3B/V2/V1[TD],VN,QZ,CB,SF	3.9 g/t Au / 0.2 m			
GM 50437	2000N-2	346143	5914652	V3B-V2/V1[TUJ],[CS],VN,QZ,SF	4.7 g/t Au / 1.5 m			
GM 50437	2050N-1	346172	5914696	V1,FC/V2[TUJ]/V3B,FC,SF	2.86 g/t Au / 7.2 m			
GM 50437	2050N-2	346173	5914697	V2[TUJ],[CS],PY,PO,AS/V3B - V1[TUJ][CS]	3 g/t Au / 2.2 m			
GN 50517	2050N-3	346334	5914548	V3/V2[TUJ],[CS],Si+,CB+,AM+,BO+,PO,PY,AS V1[TUJ]	2.4 g/t Au / 1.5 m			
GM 50438	2100N-1	346265	5914678	V2/V1,[TUJ]Si+,PY,PO,AS - I4/V3B/I1/S6/M12/S9B	2.9 g/t Au / 2.4 m	38.9 g/t Ag / 2.4 m		
GM 50437	2100N-2	346196	5914732	V1/V2-V3[TUJ],[CS],Si+,PO,AS,PY,CP	2.9 g/t Au / 2.5 m	12.4 g/t Au / 0.4 m	10.5 g/t Au / 0.7 m	0.52%As / 0.4m
GM 50437	2100N-3	346194	5914731	V3B/V3-V1[TD],[CS],CB+,PY,PO,CP	3.6 g/t Au / 4.8 m	7.67 g/t Au / 2.1 m	0.67% As / 2.1m	
GM 50517	2100N-4	346365	5914599	V3B[VN]QZ,CB,PY,CP - V1/V2[TY][CS]Si+,PY,PO,SP,GL	1.0 g/t Au / 5.6 m	1773.1 ppm As/ 5.6m		
GM 50437	2150N-1	346234	5914779	V3B/V2[TUJ],[CS],Si+,PO	0.45 g/t Au / 1.9 m			
GM 51236	2650N-1	346617	5915119	I41,OF,SF	0.39 g/t Au / 0.3 m			
GM 51236	2800N-1	346703	5915236	V3[VN]QZ/V3[TUJ][CS],CP,PY,PO - I41,OF,PO,CP,PY,GL, CB+	1.8 g/t Au / 0.9 m			
GM 51236	4400N-1	347469	5916632	V3B/V2[TUJ]/S6A,PO,PY	2.1 g/t Au / 3.7 m			
<b>Gold (Au), Copper (Cu), Arsenic (As) +/- Silver (Ag), +/- Zinc (Zn) Intersections</b>								
GM 50438	1400N-1	346208	5913883	V3[TUJ]/V3B[VN]QZ,[CS],PO,PY,CP,SP - V1/V2[TD],[TM],PO,CP	2.6 % Cu / 0.2 m	7.3 g/t Au / 0.2 m		
GM 50438	1800N-1	346316	5914291	M12,S1/V3B/V2[TUJ],[VN]QZ,SF - I41/V3[TUJ],CP,PO,SF/S6/S9B,MG,PO	3.4 g/t Au / 0.3 m			
GM 50437	2050N-3	346334	5914548	V3/V2[TUJ],[CS],Si+,CB+,AM+,BO+,PO,PY,AS V1[TUJ]	2.2 g/t Au / 1.9 m	0.33% Zn/0.5m	0.12% Cu / 1.5m	0.9% As/0.45m
GM 50517	2100N-4	346365	5914599	V3B[VN][CS]QZ,CB,PY,CP,PO	1.55 g/t Au / 0.4m	0.21% Cu/0.4m		
GM 50437	3900N-1	347300	5916147	I41/V3B,OF,PO,PY,AS/V3[TUJ] - M12/V3[TUJ]/V3B/I1D	1.7 g/t Au / 0.3 m			
GM 50517	4915N-1	347898	5916965	V3B,SF/I41,SF	1.0 g/t Au / 0.5m			
<b>Gold (Au) with Chrome (Cr), Copper (Cu), Nickel (Ni)</b>								
GM 51236	2550N-1	346522	5915047	V3B/V2[TUJ],Si+,CP,PO	0.16 g/t Au / 4.9 m	0.4 % Cu / 4.9 m	0.4 % Ni / 4.9 m	
GM 51236	2600N-1	346601	5915056	V3B/V3/V2[TUJ],Si+,PY,CP / I3A,CP,AS,PO	1.2 g/t Au / 7.3 m, and 40 - 1200 ppb Au / 87.6m	Cu (253-13200ppm) / 7.3m	Ni (228-12850 ppm) / 7.3m	As (140-19000 ppm) / 7.3m
GM 51236	2600N-2	346573	5915083	I41,TC,CB/V2[TUJ]PO,AS,PY	0.22 g/t Au / 7.3 m	1.3% Ni / 7.3m	0.4% Cu / 7.3m	
GM 50517	4915N-1	347898	5916965	V3B[VN]QZ,CB,PO,CP - I41,TC,MG,OF,PY/V3	1.0 g/t Au / 0.5m	1,3% Cu/0.5m	0.59% Ni / 0.5m	
<b>Silver (Ag) mineralization</b>								
GM 10200	286-7	345954	5913671	MO,BO,CL, GR,PO,CP - M25,BO,CL,GR	52.7 g/t Ag / 1.8 m	0.09 % Cu / 1.8 m		
<b>Lead (Pb)</b>								
GM 50437	1600N-1	345890	5914344	V3B/V2/V1[TUJ][CS],[VN] QZ,CP,PO,GL	0.27% Pb / 0.5m			
<b>Tungsten (W)</b>								
GM 50437	3600N-1	346936	5916044	V2[TUJ],PO,PY,CP,V3B-V1[TUJ] - S9B/S3/S6,GP/S4PO,PY (1% SCHEELITE/5CM) - V3BMG,PO,PY/V2[TUJ]/S1/I1C	0.17% WO3 / 1.5m			
<b>Copper (Cu)</b>								
GM 50437	5100N-1	347744	5917296	V3B,[CS]CB+,CP,PO / I3A- I41,CM/V3B	4.1% Cu / 0.3m			

**Table 2:** Significant gold intersections from drill holes carried out in yasinski property.

# Report	Hole Number	UTM X	UTM Y	Lithology Intersected	Mineral Intersection
GM 50437	2400N-1	346373	5914982	V3B-V2[TU],SF-I4I	0.8 % Cu / 0.1 m
GM 50437	2400N-1	346373	5914982	V3B-V2[TU],SF-I4I	0.45 % Cr / 4.6 m
GM 50437	3300N-1	347003	5915635	V3B/I4I/V1[TU]	0.2 % Cu / 0.7 m
GM 50437	3500N-1	347141	5915760	V3B/I4I,SF	3.7 % Cr2O3 / 6.7 m
GM 50437	3500N-1	347141	5915760	V3B/I4I,SF	0.1 % Ni / 6.7 m
GM 50437	3600N-2	346717	5916219	V3V[TU]/S1/S9/S4/[zf]	0.17 % U / 1.5 m
GM 50437	3700N-1	347177	5916044	I4I,SF/V[TU]/I1D	10.74 % Cr / 6.1 m
GM 50437	3700N-1	347177	5916044	I4I,SF/V[TU]/I1D	13.86 % Cr / 3.2 m
GM 50437	4300N-1	347679	5916358	V3B/I4I/I1D	0.1 % Cu / 0.3 m
GM 50437	4930N-1	347873	5916995	V3B/I4I,CM	10.9 % Cr2O3 / 12.7 m
GM 50437	4930N-1	347873	5916995	V3B/I4I,CM	0.17 % Ni / 3.1 m
GM 50438	75N-1	345600	5912732	V3B/I4I,SF/I3A	0.16 % Cu, 0.43% Cu / 8.3 m
GM 50438	800N-1	345946	5913335	I4I/I4B,SF	0.12 % Cu / 0.5 m
GM 50438	1950N-1	346268	5914497	I4I/S1/V3B	0.12 % Ni / 3.1 m
GM 50438	2700N-1	346738	5915092	I4I,SF-V3[TU],SF	0.3 % Cu and 0.5 % Ni / 3.4 m
GM 50438	2700N-1	346738	5915092	I4I,SF-V3[TU],SF	2 % Cr2O3 / 4.8 m
GM 50438	3000N-1	345600	5912732	V3B/I4I-M8,SF/I3A	0.13 % Ni / 8.3 m
GM 50517	2400N-2	346692	5914740	V3,SF/S1/I3A	0.18 % Cu / 0.3 m
GM 50517	3700N-2	347230	5916005	I4I/V3,SF	3.8 % Cr / 1.8 m
GM 50517	3700N-2	347230	5916005	I4I/V3,SF	0.13 % Cu and 0.15 % Ni / 0.7 m
GM 50517	4100N-1	347434	5916286	I4I,CM,SF/V3B	26.15 % Cr2O3 / 9.1 m
GM 50517	4100N-1	347434	5916286	I4I,CM,SF/V3B	0.15 % Ni / 4.5 m
GM 50517	4100N-1	347434	5916286	I4I,CM,SF/V3B	0.12 % Ni / 5.7 m
GM 50517	4500N-1	347697	5916583	I4I,CM/V[TU]	3 % Cr2O3 / 3 m
GM 50517	4500N-1	347697	5916583	I4I,CM/V[TU]	0.12 % Ni / 10.6 m
GM 50517	4800N-1	347845	5916849	I4I,SF-I3A	0.18 % Ni / 12.8 m
GM 50517	4800N-1	347845	5916849	I4I,SF-I3A	2.26 % Cr2O3 / 0.7 m
GM 50517	4900N-1	347859	5916958	V3B,SF-I4I,SF	6.1 % Cr2O3 / 2.7 m
GM 50517	4900N-1	347859	5916958	V3B,SF-I4I,SF	0.2 % Ni / 5.4 m
GM 50517	4965N-1	347883	5917037	V3B/I4I,SF	3.9 % Cr2O3 / 1.7 m
GM 50517	4965N-1	347883	5917037	V3B/I4I,SF	0.13 % Ni / 4 m
GM 50517	5000N-1	347885	5917090	I4I/V3B/V[TU]	3.4 % Cr2O3 / 0.7 m
GM 50517	5000N-1	347885	5917090	I4I/V3B/V[TU]	0.17 % Ni / 3.5 m
GM 50517	5100N-2	347593	5917412	V3B/V2[TU]/I4I	3.2 % Cr2O3 / 4.1 m
GM 50517	5100N-2	347593	5917412	V3B/V2[TU]/I4I	0.15 % Ni / 8.1 m
GM 50517	5100N-3	347392	5917546	I4I/V3B	3.3 % Cr2O3 / 1.9 m
GM 50517	5100N-3	347392	5917546	I4I/V3B	1 % Ni / 0.2 m
GM 50517	5100N-3	347392	5917546	I4I/V3B	0.11 % Ni / 4.6 m
GM 51236	3600N-3	347168	5915880	I4I,CM,SF/V3[TU]	3 % Cr2O3 / 1 m
GM 51236	3600N-3	347168	5915880	I4I,CM,SF/V3[TU]	0.13 % Ni / 2.6 m
GM 51236	4000N-1	347342	5916232	I4I,CM,SF	12.1 % Cr2O3 / 2.6 m
GM 51236	4000N-2	347387	5916213	I4I/V3B	1.7 % Cr2O3 / 3 m
GM 51236	4050N-1	347375	5916279	I4I,CM/V3B	0.27% Ni, 8.53% Cr2O3, 730 ppb Pd, 200 ppb Pt / 0.15m
GM 51236	4050N-2	347328	5916301	V3B-I4I	1.5 % Cr2O3 / 2 m
GM 51236	4100N-2	347434	5916287	I4I,CM,SF	4.4 % Cr2O3 / 5.5 m
GM 51236	4150N-1	347480	5916334	I3A/V3B/I4I,CM	0.6 % Cu / 0.2 m
GM 51236	4150N-1	347480	5916334	I3A/V3B/I4I,CM	6.7 % Cr2O3 / 2.8 m
GM 51236	4700N-1	347552	5916940	V3B/V[TU]/I2I	788 ppm Cu and 88 ppm Ni / 0.8m
GM 51236	5100N-4	347807	5917241	V3B/I4I/I1	1.2 % Cu, 1.3 % Ni / 0.3 m
GM 51236	5100N-4	347807	5917241	V3B/I4I/I1	1.5 % Cr2O3 / 1.7 m
GM 51236	5100N-5	347698	5917337	V3B/I4I,CM,SF	0.9 % Cu, 0.1 % Ni/ 2.5 m
GM 51236	5100N-5	347698	5917337	V3B/I4I,CM,SF	5.6 % Cr2O3 / 3.2 m
GM 51236	5100N-5	347698	5917337	V3B/I4I,CM,SF	5 % Cr2O3 / 4.9 m
GM 51236	5100N-6	347698	5917338	V3B/I4I,CM,SF	0.8 % Cu / 0.9 m
GM 51236	5100N-6	347698	5917338	V3B/I4I,CM,SF	9.3 % Cr2O3 / 1.6 m
GM 64095	MK-06-46	347270	5917953	I4I	3930 ppm Ni / 2.2 m
GM 64095	MK-06-46	347270	5917953	I4I	2510 ppm Ni / 1.4 m
GM 64095	MK-06-46	347270	5917953	I4I	3.78 % Cr2O3, 1030 ppm Cu / 0.7 m
GM 64095	MK-06-46	347270	5917953	I4I	1.21 % Cr2O3 / 0.7 m
GM 64095	MK-06-46	347270	5917953	I4I	4705 ppm Ni and 1570 ppm Cu / 1.1 m
GM 64095	MK-06-46	347270	5917953	I4I	3930 ppm Cu / 0.1 m
GM 64095	MK-06-46	347270	5917953	I4I	5935 ppm Ni and 1810 ppm Cu / 1 m
GM 64095	MK-06-47	347257	5917794	I4I	3.87 % Cr2O3 / 4.5 m
GM 64095	MK-06-47	347257	5917794	I4I	10.54 % Cr2O3 / 1.3 m
GM 64095	MK-06-47	347257	5917794	I4I	2500 ppm Ni / 3.0 m

**Table 3:** Significant Cr-Ni-Cu, +/-PGE mineralizations from drill holes carried out on Yasinski Property.

COMPILATION – STATUTORY EXPLORATION WORK (GM DOCUMENTS)

**1959 - Main Explo Co.**

Main Explo Company began work in 1958-59. The work included airborne MAG-EM survey, geological reconnaissance survey, mapping of trenches, rock sampling as well as a short drilling campaign using a portable drill (GM 10200). The work took place on the entire Lac Yasinski greenstone belt. Three of the many Ag, +/- Au showings found are within the Yasinski property (*map 1, table 1* and *appendix 3*). The showings are:

- Anomaly 4-23 Instrument Knoll or *Anomalie 4-23 Butte de l'instrument*;
- Anomaly 4-26;
- Lac Atsynia.

Instrument Knoll or Anomaly 4-23 is located in the northwest sector of the property and at the interface between an amphibolitised basalt and an impure graphite-bearing quartzite (or silicified arkose). The rocks are interlayered with an iron formation containing magnetite and +/- sulphides. The showing is on an airborne EM conductor. Line cutting (1 km x 0.25 km grid), an on-line VLF survey, trenching and mapping at 1:200 were carried out on the showing. Several gossans were reported in the area. Mineralization is disseminated (py, po) and thin layers of massive pyrite in quartzite. Quartz, arsenopyrite, and continuous graphite veins were reported. The showing measures less than 20cm in width by several tens of metres in length. Grades of **49.37 g/t Ag** and **14.4 g/t Ag with 0.69 g/t Au** were reported in grab samples. Boreholes were recommended directly on the showing, but placed 300 m farther northeast (*map 1*).

*Exploration efforts started in 1958 by Main Explo Company, who unearthed the first four silver occurrences and established the geological framework.*

*Anomaly 4-26* showing is located 4.5 km southwest of Instrument Knoll showing near mafic rocks and the Amisach tonalitic batholith (*map 1*). The showing is in a quartzite cut by discontinuous quartz veins containing chalcopyrite and graphite mineralization. The mineralization is observed for 12.2 m in length while width is not indicated. Grades of **8.23 g/t Ag and 340 ppb Au** were reported from a grab sample.

Lac Atsynia or Talc Lake showing is located 2.7km to the ESE of *Anomaly 4-26* showing, on the edge of the Yasinski greenstone belt, at the contact between the Apple Formation quartzite and mafic rocks. The reported mineralization consists of quartz-gp-py-po-cp

veins. A talc-bearing, serpentinitised peridotite is present in the basalt. One grab sample reported in excess of **21.94 g/t Ag**.

Four of the twelve boreholes drilled by Main Explo were drilled on the actual Yasinski property (**map 1, table 2, appendix 6**). Two of them, 286-4 (13 m) and 286-8 (18 m), were 300 m to the northeast of the Instrument Knoll occurrence, testing an EM conductor. These two boreholes intersected a garnet-bearing quartzite and an amphibole- quartz- and garnet-bearing silicate iron formation with graphite, pyrite and pyrrhotite. No geochemical results were presented. Hole 286-3 (28 m) is located south of the Trans-Taiga Road at the western contact of the Apple Formation and mafic rocks. The borehole was testing an EM conductor. It intersected over 28 metres of hornblende amphibolite, quartz and chlorite followed by fuchsite-bearing quartzite rich in sulphides (po, +/-py, cp), and a talc-bearing pyroxenite/peridotite. No chemical analysis results were presented. Hole 286-7 (149 m) was drilled in the northern part of the centre of the property in a basalt cut by gabbro-peridotite intrusions. The borehole intersected a biotite-chlorite-garnet-pyrrhotite-chalcopryrite schist over 122 m, followed first by a biotite, chlorite and garnet mylonite, then by a mixture of chlorite schist, gabbro and peridotite at the bottom of the hole. One intersection of sulphide-bearing biotite schist reported **52.7g/t Ag and 0.09% Cu over 1.8 m**. No recommendations were made for future work.

#### **1974-1975 - Canadian Nickel Company (CANICO)**

During the period between 1974 and 1975, CANICO<sup>2</sup> undertook ground and airborne geophysical surveys (radiometry, mag), geological reconnaissance surveys, sampling and drilling covering the southern half of the Yasinski property and farther south beyond it (GM 30047, GM 31353, GM 31354, GM 31355, GM 57876, GM 57877). The official objective of the work was exploration for uranium mineralization associated with quartz sandstones and pyrite-bearing quartz pebble conglomerate of the Apple Formation located at the eastern end of the Lac Yasinski greenstone belt.

*The area has been explored for uranium in conglomerate of Apple Formation in the 1970's by Canico. No significant results were obtained.*

A variety of lithologies were observed and their radioactivity measured. The rock types include a granitic gneiss (20-30 counts per second cps), arkose sediments (25-30 cps), a fuchsite-bearing quartzite (30-40 cps) interlayered with a fuchsite- and pyrite-bearing

<sup>2</sup> CANICO, or Canadian Nickel Company, was an exploration subsidiary of Inco, who worked undercover in the area for years. Most of Canico works never been released to assessment files, and legend says they drilled a fair number of holes and throw the cores in lakes afterward...

quartz pebble conglomerate (60-350 cps) less than 4.0 m thick, as well as mica and clay-rich sediments. According to the report, the high radioactivity readings in the conglomerate appear to be more due to mass effect than to the presence of radioactive minerals. Massive, tuffaceous and pillow mafic volcanics were observed, locally with pyrites and rusty pockets. Magnetic anomalies were accounted for by the presence of magnetite iron formation in the mafic rocks. Sills of gabbro and talc-bearing serpentinised peridotite were interlayered with the basalts. The presence of magnetite in peridotites also causes magnetic anomalies and enables detection.

Two small holes, 49886 and 49883, were drilled to 4 m and 77 m, respectively. The 77 m hole intersected the fuchsite- and pyrite-bearing quartz pebble conglomerate at the contact with a greywacke and a diabase. No geochemical results were published. Hole 54427 was drilled very close to the southern border of the property (map 1). This hole intersected a quartzite containing a few bands of conglomerate cut by ultramafic dykes. Some uranium mineralization was detected in the quartzite, discontinuous, narrow and of low intensity. The best intersection reported **0.08% U<sub>3</sub>O<sub>8</sub> over 0.15 m.**

The conclusion is that the strong and not yet accounted for radiometric anomalies are come from rocks rich in potassium and not in uranium. The not very encouraging results do not give hope of finding substantial U<sub>3</sub>O<sub>8</sub> mineralization.

### **1975 - Groupe Minier SES**

Groupe Minier SES<sup>3</sup> undertook an extensive regional geochemical survey of lake-bottom sediments in the area of Grande Rivière and Lac Sakami including the Yasinski property (GM 50002). Sample density varied from 2.5 to 3.5 km. Very few samples were from the Yasinski property. Samples were analysed for several elements (Ag, As, Co, Cu, Fe, Mn, Mo, Ni, Pb, Y and Zn). Data presented here from these surveys are not conveniently available in the current Sigeom and were extracted from the former Badgeq geochemical database, available from MRNQ in the nineties.

*At the time of the construction of the James Bay hydroelectrical project, the area evaluated by the SDBJ. Uranium exploration was carried by Groupe Minier SES, without significant results within Yasinski.*

<sup>3</sup> SES: Séru-Eldorado-SDBJ, a consortium devoted to evaluate the uranium potential of the James Bay territory prior that the area being flood by dam construction.

Groupe Minier SES undertook extensive regional mapping in the same year at a scale of 1:50 000 covering the Yasinski property (GM 50026). Only regional geological maps were published without text or report.

### **1978 - Société de Développement de la Baie-James (SDBJ)**

SDBJ undertook a regional lake-bottom sediment survey in 1978 covering James Bay and including the Yasinski property (GM 36000). Samples were analysed for several elements (Ag, Co, Cu, Fe, Mn, Mo, Ni, Pb, U and Zn). Results were posted to the SIGEOM database and plotted on compilation maps (*maps 2 to 8, appendix 7*).

### **1988-1989 - Ressources Minières Platinor**

Ressources Minières Platinor undertook work in 1988 and 1989. It included geological exploration along cut lines, rock sampling, aerial magnetic, electromagnetic (DIGHEM) and VLF surveys, as well as Mag and VLF surveys along cut lines (GM 48682, GM 48683 and GM 48684). Fieldwork was carried out on two large claim blocs within the actual Yasinski property, while the airborne geophysical survey covered the entire property and beyond to the south (*map 1*).

*Platinor conducted various exploration works in 1988-89, including airborne frequency-domain electromagnetic survey and ground follow-up.*

EM-DIGHEM airborne surveys showed the presence of two long and wide electromagnetic conductors (8.7 km x 200-400 m) oriented north-north-east/south-south-west parallel to the orientation of the rocks and crossing the western section of the property (GM 48683, *map 1*). Intense magnetic crests are superposed on the EM conductor axes. The conductors are interpreted as the possible manifestation of massive pyrrhotite horizon.

EM and VLF surveys were carried out on the grids in both north and south claim blocs (GM 48682). Several magnetic anomalies were identified in the northern block and attributed to the presence of magnetite iron formation and peridotite sills. Some magnetic anomalies are coincidental with the VLF conductors that are interpreted potentially magnetite and sulphide (pyrrhotite) iron formations and/or peridotite sills. The 1.5 km long VLF conductors present in the southern block are accounted for by the presence of graphite- and sulphide-bearing schist found in a mafic tuff. Several Au, Ag and Ni showings were discovered in the conductors. Several other EM-VLF conductors could not be accounted for.

Mapping and rock sampling on the northern grid (3000 m x 1200 m) led to the discovery of gold, silver, copper, nickel, palladium and +/- platinum (GM 48682, GM 48684, **appendices 4a** and **5**). Mapping the northern grid showed basalt flows interlayered with intermediate to felsic tuffs, locally containing magnetite iron formation, +/- sulphides, quartzite and conglomerate lenses. These rocks are cut by gabbro, pyroxenite and peridotite intrusions. A wide tonalite intrusion occupies the eastern section of the grid.

The Au-Ag-Cu+/- As mineralizations include the **Platinor-8801** gold showing with a high gold content of **12.4 g/t Au** and **1.0 g/t Ag** (sample numbers 8853-8857, **appendices 4a** and **5**). This occurrence is from the internal margin of the tonalite very close to where a basaltic country rock introduced a pyroxenite. It is characterised by a small quartz-tourmaline-pyrite vein (<5 cm) oriented N.340° located in an altered shear zone containing chlorite and sericite and affecting a diorite that cuts the tonalite. Another grab sample not far from the Platinor-8801 showing reported **5.5 g/t Au**. These gold grades were not replicated despite of collecting multiple samples from the environs of these showings.

**Lac Gasosabeekatch** is the name of another showing located 600 m to the south-southwest of the Platinum-8801 showing (# 8834-8840, 8813-8816, **appendices 4a** and **5**). Copper (**6.5% Cu**), silver (**26.0 ppm Ag**) and gold (**1.9 g/t Au**) content are reported from a grab sample. The Cu-Ag-Au is found in a brecciated basalt interlayered with intermediate tuff, iron formation and a conglomerate cut by gabbro and pyroxenite intrusions. Mineralization is disseminated to massive sulphides, including pyrite (<60%), chalcopyrite (<10%) and locally pyrrhotite, sphalerite, galena and native copper along with chlorite, tremolite and graphite. Quartz veins are present locally. Other samples from the area gave fractions of a percentage in copper and less than 2.0 ppm Ag. Mineralization was noted for about 150 m at most.

*Platinor discovered various mineral occurrences, mainly gold and copper. In a variety of geological settings.*

In the Lac Ultra area, at the southern boundary of the northern grid, several copper, silver, nickel and palladium mineralizations were reported (sample numbers: 8842-48, 8858-65, **appendix 5**). The mineralization at the **Lac Ultra** occurrence is either massive or disseminated sulphide veinlets, containing pyrrhotite and chalcopyrite (tr-3%) with magnetite present in a wide banded pyroxenite sill (175 m x 1400 m) locally differentiated into a peridotite. The rocks are sheared and show tremolite, talc, serpentine and carbonate alteration. Anomalous **copper (<3650 ppm Cu)**, **nickel (<2600 ppm Ni)**, **silver (< 1.0 ppm Ag)** and **palladium (< 1.0 g/t Pd)** were reported from grab samples. **Silver (1.0 to 2.3 ppm Ag)**, **arsenic (< 8560 ppm As)** and a little

**copper (< 463 ppm Cu)** mineralizations are reported from two samples (# 8818-19) 900 m west the Platinum 8801 showing. They are characterised by the presence of pyrite (2-3%) in a biotite altered tuff. No recommendations were made for future work on this grid of the North Block.

In the southern block grid (2.0 km x 600 m), Ressources Platinor reported two **gold (119 and 294 ppb Au)** (# 8804, 8829) occurrences separated by 600 m and one sample rich in arsenic (**900 ppm As**) (# 8810) (**appendices 4a and 5**). These are in sheared, altered (sr+, fu+) and pyrite enriched (tr-1%) quartzite. These mineralizations are dispersed over the grid and have no lateral extension or links between them.

A few sporadic gold, copper, silver and nickel-chromium mineralizations were found in the peridotite, including:

- **Gold 108 and 300 ppb Au** (# 62025, 46998) ;
- **Silver (6.2 ppm), gold (294 ppb) and copper (4490 ppm, # 46868)**;
- **Chromium (2560 to 3740 ppm) and nickel (1035 and 1190 ppm)**.

#### **1989 - 1990 - Exploration Noranda**

In 1989, Exploration Noranda undertook airborne geophysical surveys (Mag, EM-DIGHEM-IV, VLF), ground surveys (Beep Mat, VLF), compilation, geological reconnaissance, rock sampling, lithogeochemical analyses and petrographic analyses. The work covered several claim blocks including one on the Yasinski property called Lac Ultra or North Block (GM 49086, GM 49087, GM 50180, GM 50181, GM 50501, **map 1**).

The airborne geophysical survey detected several VLF-EM conductors and magnetic axes within the Yasinski property (**map 1**). The Beep Mat provided more precise data on the conductors identified by airborne methods, which were generally accounted for by sulphide-rich bands (py, po) within mylonitised amphibolite sometimes with boudinaged quartz veins.

*Noranda carried various VMS exploration in north part of Yasinski property, including frequency-domain airborne geophysics, and subsequent prospecting of the conductors.*

Detailed mapping of the North Block or *Lac Ultra* located north of the Trans-Taiga Road revealed the following east to west (**appendix 4b**):

- Tonalite, tonalite gneiss in the east;
- Serpentinite – East, derived from a peridotite dyke;

- Eastern fault zone (EFZ): north-north-east/south-south-west subconcordant quartz-muscovite or quartzite mylonite;
- Sheared amphibolite containing sulphides, + quartz veins, chloritised;
- Wide amphibolite-metabasalt with massive, pillow and brecciated flows;
- Serpentinite - West, same as in the east;
- Western fault zone (WFZ): north-north-east/south-south-west subconcordant quartz, biotite and fuchsite-rich 'quartzite' mylonite bordered by sheared sulphide-bearing amphibolite that is dissected by quartz veins;
- Wide amphibolite - metabasalt.

The magnetic anomaly anomalies associated with EM conductors are associated with the WFZ and further west. They are attributed to narrow bands of iron formations. EM conductors to the west of WFZ are interpreted as related to shear zones. Transect faults oriented east-north-east/west-south-west and north-west/south-east with sinistral movement cut the wide WFZ and EFZ fault zones and rock layers. Several of the mineralizations are attributed to these late and discordant faults.

Several hundred samples appear to have been collected and analysed in the North Block, but only 113 could be located on a map. They were analysed for gold, copper, and locally for chrome, nickel and zinc (*map 1, appendix 4b*). A few samples contain anomalous quantities of **gold (100-303 ppb Au) and copper (1000-17600 ppm Cu)**. Some samples show a correlation between copper and gold. The samples are from quartz veins containing pyrite, pyrrhotite and chalcopyrite found in amphibolite or cataclasite.

Several of the samples that could not be located on a map contained significant amounts of gold, copper, zinc, chromium, nickel, palladium and platinum. The mineralised rocks and showings of the North Block (Lac Delta) are identified by geophysical anomaly numbers. These are:

- **Anomalies 1A to 1C** (location ?), including samples RV-370, RV-379 to RV-383, reported anomalous **gold (75 to 303 ppb Au), copper (0.14 to 0.79% Cu), zinc (0.26 and 0.32% Zn) and silver (1.2 g/t Ag)** contents;
- **Anomaly 2**, including samples RV-290-291, RV-297-299, RV-367-368, reported anomalous amounts of **copper (< 0.35% Cu), nickel (< 0.29% Ni), palladium (< 973 ppb Pd) and platinum (< 191 ppb Pt)** located in east-north-east/oust-south-west fault zones cutting Serpentinite-West that is transformed into talc, antigorite, tremolite schist with po-cp;

- **Anomaly 3**, including sample RV-284 with **54 ppb Au and 0.12% Cu**, located in a talc-bearing serpentinite;
- **Anomalies 4A and 4B**, including samples: RV-248-249, RV-254-255, reported anomalous **gold (75-1030 ppb Au)** and **copper (< 0.76% Cu)** located in a quartz and muscovite mylonite cut by discordant and crushed quartz, +/- calcite veins with pyrite and chalcopyrite affecting an amphibolite;
- **Anomaly 5** including sample RV-217 reported **70 ppb Au** from a muscovite-magnetite-garnet schist interpreted as an iron formation in contact with Serpentinite-East;
- **Anomalies 6A to 6E** including samples RV-410-411, RV-420, RV-423, RV-466, RV-529 reported anomalous **gold (37 to 98 ppm Au)** at times with **copper (0.15% Cu) and silver (1.4 g/t Ag)** found in an amphibolite sheared by the WFZ and mineralised by py, po, cp and asp with quartz-carbonate veins;
- **Anomalies 7A and 7B** including samples: RV-87 and RV-467 reported **42 and 71 ppb Au** from a sheared, altered (si+, cl+) and pyritised amphibolite that was affected by the WFZ and an east-north-east/west-south-west fault;
- **Anomalies 9A to 9C** including samples: RV-165-171, RV-481, RV-483, RV-500-502, RV-504, RV-507-510, RV-514-516 and RV-522, reported anomalous **gold (36-1081 Au)** and **copper (< 0.47% Cu)** from a sheared, recrystallized and altered (bo+, cl+, gr+) amphibolite that is mineralised in py, po, cp, +/- asp;
- **Anomaly 10** including samples RV-142, RV-163, RV-215-216 reported anomalous **gold (48-325 ppb Au)** and **copper (0.29% Cu)** from a context similar to Anomaly 9;
- **Anomalies 11A to 11C** including samples: RV-76, RV-74, RV-26-27 reported anomalies in **gold (34, 48, 631 and 5,670 ppb Au)** from the western fault zone (WFZ) affecting a mylonitised and altered (bo+, cl+, tc+) that is mineralised in py, po, cp and asp;
- **Anomaly 12** including samples RV-108 and RV-113 reported anomalies in **gold (<50 ppb Au)** and **copper (<0.17% Cu)** from the EFW cut by an east-north-east/west-south-west fault in an altered (cl+) amphibolite with chalcopyrite;

- **Anomaly 13** including sample RV-209 reported **199 ppb Au and 0.25% copper** from a sheared (EFZ) and altered (cl+, bo+) amphibolite containing qz-cc-cp veinlets;
- **Anomaly 14** including sample RV-007 reported **12 080 ppb Au (12.08 g/t)** in a geological context similar to Anomaly 13 in EFZ.

Several of the gold, copper and silver mineralizations are associated with electromagnetic conductors that follow the concordant faults and shears oriented north-north-east/south-south-west and are affected by discordant faults oriented east-north-east/west-south-west. Based on petrographic studies, gold mineralization is associated with quartzofeldspathic mylonites with strong potassic alteration (biotite, muscovite, fuchsite). According to the authors, high gold grades occur in the presence of magnetite iron formation in the EFZ and WFZ. A ground geophysical survey (IP, EM-VLF, MAG) is proposed.

#### **1990 - Ressources Minières Platinor & Ressources Minières Augyva<sup>4</sup>**

Following the Noranda gold discoveries, Ressources Minières Platinor and Ressources Minières Augyva joined forces to carry out two drilling campaigns. Both campaigns, one of 1216 m (7 boreholes, Jan.-Feb. 1990) and the other of 2963 metres (20 boreholes, Nov.-Dec. 1990), were deployed on the North Grid (GM 50437, GM 50538).

The first 1990 drilling campaign (GM 50438) was proposed to verify the Cu-Ni-Pd-Pt mineralization of the Ultra occurrence and the Cu-Au-Ag mineralization of the Lac Gasosabeekatch occurrence. Boreholes also targeted N340° discordant faults inferred to be the unaccounted for conductors.

Drilling exploration of the **Lac Ultra** Cu-Ni-Pd-Pt occurrence that is associated with gabbro-pyroxenite-peridotite intrusions did not yield the desired results (**table 3, appendix 6**). At best, one intersection of **0.16% Ni and 0.56 g/t Pd+Pd over 8.3 m** is reported at a contact between a sulphide-bearing peridotite and basalt country rock (hole 75N-1). Intersections of **2.0 % Cr over 4.0 m** and **0.3% Cu and 0.5% Ni over 3.4 m** were reported from a 2.6 km mafic-ultramafic sill to the north of Lac Ultra (hole 2700N-1). The

*Planitor, jointly with Augyva, conducted two drilling program in Yasinski. The first, in 1990, aimed to evaluate various targets, while the second was focused on the 45 g/t gold occurrence named Yasinski-NE.*

<sup>4</sup> Augyva has always been under the guidance of George-Yvan Gagnon. However, it is uncertain who had the operatorship of the project, and with which diligence the work has been carried.

mineralization is located between a peridotite and an altered (tc+, sr+) gabbro-pyroxenite with pyrite, pyrrhotite and chalcopyrite.

A surface sample at the **Lac Gasosabeekatch** Cu-Au-Ag showing contained **6.5% Cu, 26.0 ppm Ag and 1.9 g/t Au**; drilling exploration of the same site yielded **7.3 g/t Au, 38.4 g/t Ag and 2.6% Cu over 0.2 m** (hole 1400N-1). The intersection is from a mafic tuff and a sheared and altered (cl+, am+, gr+, bo+, si+) basalt with pyrite and chalcopyrite mineralization. There are quartz-carbonate-py-cp veins.

Another borehole located 700 m in the northern extension of the Lac Gasosabeekatch showing targeted a N340° structure and yielded **2.9 g/t Au and 38.4 g/t Ag over 2.4 m** (hole 2100N-1). This Au-Ag intersection is from an altered (am+, si+, cl+, bo+, cb+, fu+) intermediate and mafic tuff with disseminated sulphides (py, po, cp, +/-gl, +/-sp). A sulphide-bearing felsic tuff is in contact with the mafic tuff, but contains less gold than the mafic tuff itself (< **160 ppm Au**). Rocks intersected in hole 2100N-1 are characterised by sequences repeated by folds and/or faults consisting of quartzite, chloritic schist, basalt, intermediate tuff, peridotite, gabbro, a porphyry qz-fd and a granodiorite. The site is called the **Lac Yasinski-NE showing** or **2100N-1 showing (map 1)**.

Following the encouraging result from hole 2100N-1, line cutting, ground geophysical survey, trenching, mapping and rock sampling were carried out in the area of the **Lac Yasinski-NE** occurrence (GM 50502, GM 50503). A grab sample from a trench made near the collar of hole 2100N-1 gave **45.0 g/t Au**. In total, 8 holes were drilled in this area of the North Block and around the gold showing (holes 2000N-1, 2, 2050N-1,2, 2100N-2,3, 2150N-1,2). Grades of **2.68 to 7.67 g/t Au between 1.5 and 7.67 m** were reported. The best intersection gave **2.86 g/t Au over 7.2 m** including a section of **7.67 g/t Au over 2.1 m** (hole 2050N-1). Gold mineralization was found in a sheared mafic to intermediate tuff containing large amphibole crystals, in contact with a felsic tuffaceous and probably epiclastic rock. Mafic and ultramafic intrusions are present. Host rocks are altered (si+, bo+) and contain disseminated sulphides (py, po, cp, asp, gl, sp) crosscut by quartz-sulphide veins. There is a correlation between arsenopyrite abundance and gold concentration. Gold is not related to the presence of veins, suggesting a syngenetic rather than epigenetic disseminated-type sulphide gold mineralization.

Other holes bored farther north of the 2100N zone intercepted mostly chromium and nickel mineralizations present in peridotite sills and in contact with a gabbro, a pyroxenite or a basalt. Intermediate to felsic pyroclastic rocks and a felsic dyke were also noted in contact with the mineralised peridotite. The peridotite is altered (talc+, serpentine+, carbonate+) with chromite and sulphides (po, py, cp) and occasionally

contains quartz-tourmaline-sulphide veins. A few significant intersections were reported, including:

- **10.9% Cr<sub>2</sub>O<sub>3</sub> over 12.7 m and 23.0 % Cr<sub>2</sub>O<sub>3</sub> over 0.9 m** (holes 4930N-1 and 5100N-1)

These holes did not give a laterally well-defined zone, suggesting a lenticular rather than a sporadic mineralization.

A few significant intersections in other economic elements were reported from this drilling campaign, including:

- **1.4% Zn / 0.5 m** in a felsic-sulphide tuff (hole 2000N-1);
- **0.17% W / 1.5 m** in a pyrite-bearing conglomerate, with **1% scheelite over 5 cm** in contact with a graphitic shale, a sandstone and an oxide-facies iron formation (hole 3600-2);
- **1.7 g/t Au / 0.3 m** in a mafic tuff in contact with a sulphide-bearing (po, py, asp) and iron oxide-bearing basalt, and a peridotite (hole 3900N-1);
- **4.1% Cu / 0.3 m** in a sheared and carbonated basalt with cp and po in contact with gabbro (hole 5100N-1);

Continued gold, chromium and platinum group element exploration is recommended.

### ***1991 - Ressources Minières Platinor & Ressources Minières Augyva***

Two other drilling campaigns were undertaken by the Ressources Minières Platinor and Ressources Minières Augyva group in Jan-Feb 1991 (14 boreholes for 2192 m, GM 50517) and in Oct-Dec 1991 (21 boreholes for 3211 m, GM 51236).

The Jan-Feb 1991 campaign (GM 50517) was designed to pursue the exploration of gold zone 2100N and the Cr and Ni-Cu mineralizations. Zone 2100N has been extended at depth, but with widths not exceeding 2.0 m (*map 1, table 2, appendix 6*). The best gold intersection was **2.77 g/t Au over 1.35 m** including **10.18 g/t Au over 0.2 m** (hole 2100N-4). There are low percentages of **copper** and **zinc** in thin intersections (<

*In 1991, Yasinski-NE, or "Platinor" gold occurrence has been delineated over 150 metres in length and 120 in depth, with an average grade of 3.1 g/t Au.*

2.0 m) associated with the gold. Mineralization is unmistakably at the interface between an intermediate to mafic tuff and are reworked felsic tuff or a volcanoclastite. **In summary, gold zone 2100N was drilled (9 holes) to several depths and it measures at least 150 m long, 1.5 to 7.2 m wide and 120 m deep with an average of 3.1 g/t**

**Au.** It remains open at depth and to southeast. The holes are too few to allow mineral resource calculations.

The 10 other holes were drilled on geophysical targets northeast of gold zone 2100N and intercepted chromite, nickel and gold mineralizations. The best chromite intersections are:

- **26.15% Cr<sub>2</sub>O<sub>3</sub> over 9.1 m** (hole 4100N-1) with values from 2.1 and 6.1% Cr<sub>2</sub>O<sub>3</sub> in the rest of the 103 m hole;
- **0.15% Ni over 4.5 and 5.7 m** (hole 4100N-1).

Extensions of the chromite mineralization towards the north and south of hole 4100N-1 continue, but over less than 4.0 m in width and at values less than 6.13% Cr<sub>2</sub>O<sub>3</sub>. Other significant intersections reported are:

- **1.32% Cu, 0.59% Ni and 1.0 g/t Au / 0.5 m** present in basalt containing quartz-carbonate-pyrite-pyrrhotite-chalcopryrite veins (hole 4915N-1).

The October and December, 1991 drilling campaign (GM 51236) was intended to continue the exploration of chromite remobilisation 4100N-1 and the Cu-Ni intersected by previous drilling campaigns, as well as to verify geophysical targets. The best intersection of the 7 holes targeting chromium showing 4100N-1 is:

*In 1991, ten more holes were drilled on ultramafic-hosted chromite and nickel occurrences by Platinor and Augyva.*

- **13.80% Cr<sub>2</sub>O<sub>3</sub> over 6.9 m** (hole 4100N-2).

The other holes had lower levels over narrower sections.

Other intersections reported in the northern grid are:

- **2.1 g/t Au over 3.7 m** including a 1.55 m wide quartz-tourmaline-sulphide vein containing 4.53 g/t Au over 1.55 m (hole 4400N-1);
- **0.89% Cu and 0.14% Ni / 2.5 m** (hole 5100N-5);
- **5.0% Cr<sub>2</sub>O<sub>3</sub> / 4.9 m** (hole 5100N-5);
- **0.30% Cu, 0.66% Ni and 0.89 g/t Au over 4.55 m** including **1.32% Cu, 1.29% Ni, 3.1 g/t Pd and 0.18 g/t Pt over 20cm**
- **1.2 g/t Au / 7.25 m** (hole 2600N-1) (*appendix 8b*);
- **1.03% Ni and 0.38% Cu / 2.4 m**;
- **1.3% Ni, 0.4% Cu and 0.22 g/t Au / 7.3 m** (hole 2600N-2).

These intersections are from a chromite peridotite that contains pyrrhotite and arsenopyrite and is in contact with a mafic tuff and a basalt, or with a silicified intermediate tuff containing disseminated sulphides (po, py, cp, asp).

These significant results led the authors to recommend further work.

### **1992 - Ressources Minières Platinor & Ressources Minières Augyva**

The Ressources Minières Platinor and Ressources Minières Augyva group began a ground geophysical survey in the northern block using Mag (24.3 m), VLF-EM (24.3 m) and EM-MELIS (25.4 km, GM 51268). Several VLF conductors and magnetic axes were interpreted on the North Grid, including several MELIS conductors detected at great depths (100 m to 400 m). It was suggested that a few EM-MELIS conductors should be drilled and EM surveys should be carried out in the boreholes of the previous campaigns. This campaign never took place.

### **1996- 1997 - Vauquelin Mines**

Vauquelin Mines began a large ground magnetometer survey (94.5 km) in 1996 that covered much of the southern Yasinski property (*map 1, figure 7*, GM 55250). More than 22 magnetic crest anomalies (M-1 to M-22) oriented NNE-SSA and 4 magnetic zones were identified.

*Vauquelin Mines carried some geophysics, including IP, and prospecting of chargeability anomalies, without success or follow-up.*

In 1997, Vauquelin Mines undertook a induced polarisation (IP) geophysical survey on a grid of 14.7 km of lines located in the centre of the property near the Trans-Taiga Road (*map 1*, GM 55249). More than 27 anomalies were identified, including 15 high priority one characterised by high chargeability and low resistivity interpreted as potential massive sulphide lenses. Several of the IP anomalies were so close to the surface that ground follow-up was proposed prior to drilling. Vauquelin Mines did not continue the work. Mr. Guy Galarneau, an independent prospector prospected these targets in 2002 using Beep Mat (see below, GM 60553). Several of the IP anomalies remain unaccounted for to this day.

### **1996 Syndicat du Beep Mat 1996**

A Beep Mat survey followed by rock sampling was undertaken in 1996 by the Syndicat du Beep Mat 1996 in the southwestern area of the Yasinski property (*map 1*, GM 56878). Nine grab samples contained low to medium abundance of **gold (< 309 ppb Au)**, **silver (<1.5 ppm Ag)** and **copper (< 1867 ppm Cu, appendix 5)**. The best

samples are from a magnetic gabbro with 15% pyrrhotite (309 ppb Au) and from a graphite- and sulphide-bearing paragneiss (20%po, 1-2%py, tr.-2% cp) cut by a quartz vein (80 ppb Au, 1867 ppm Cu and 16 ppb Au). No recommendation was made for future work.

### **1997- 1998 EX-IN Explorateurs - Innovateurs de Québec**

Between 1997 and 1998, EX-IN Explorateurs - Innovateurs de Québec undertook a ground geophysical survey (Beep Mat, HLEM), geological reconnaissance, trenching and dynamiting as well as rock and *bulk* sampling (GM 55442, GM 55997, GM 55998, **map 1**). Initially, work was concentrated on several properties in James Bay (GM 55442), including the Lac Yasinski section, without much precision, since there is no location map. Beep Mat prospecting was mentioned later in the year on a small claim block located in the centre-west of the Yasinski property beside the Trans-Taiga Road.

*Ex-In conducted field evaluation of airborne electromagnetic anomalies from previous surveys. Only minor results were obtained.*

The Beep Mat geophysical surveys were carried out at the same time as the rock sampling. Nine samples from the hundreds collected in James Bay come from the Yasinski property (GM 55442, **appendix 4c**). Some anomalous gold and copper were reported, including:

- 309 ppb Au (grab) from a gabbro with 15% pyrrhotite;
- 80 ppb Au (grab) from a graphite- and sulphide-bearing paragneiss (20% po, 1% py, tr. Cp) crosscut by a quartz vein;
- 1867 ppm Cu (grab) from a graphite- and sulphide-bearing rock (15% po, 2% py, tr. cp)
- 

The samples are dispersed in the centre of the property and have nothing to link them.

A little later in the year, Beep Mat prospection, HLEM (MAXMIN) survey on a 700 m x 600 m grid and geological mapping was carried out in this part of the property intersected by the Trans-Taiga Road (GM 55997, **map 1**). Mapping helped identify amphibole and garnet-bearing basalts interlayered with mafic to intermediate tuffs as well as felsic ash, lapilli and block tuffs, a conglomerate, oxide- (magnetite), and silicate- (anthophyllite, grunerite, garnet), and sulphide-facies (py-po) iron formations locally with graphite cherty iron formation. The rocks are cut by a diabase dyke.

Of the 65 samples collected, dozens contain anomalous gold (**22 to 286 ppb Au**), a few have anomalous silver (**1.2 and 2.6 ppm Ag**), a dozen or so have anomalous copper (**200-514 ppm Cu**) and a few samples have anomalous zinc (**209 to 978 ppm Zn**, *appendices 4d* and *5*). In addition to these samples, a few others stood out:

- **2.84 g/t Au Lac Atikamahuch-588 showing** from a mafic tuff after an oxide- and silicate-facies iron formation with magnetite, amphibole / anthophyllite, garnet and sulphides (10% po) accompanied by alterations (sr+, si+) measuring 1-2 m wide by 30-50 m long in contact with a basalt;
- **1.50 g/t Au** from a smoky, rusty quartz vein with sulphides (5% po) and alterations (cc+) present in an iron formation rich in amphibole measuring 1.0 m x 200 m;
- **4 845 ppm Cu** from a graphite and sulphide bearing tuff (20% po-py, 2% cp) in contact with a basalt.

These gold enrichments are not associated with enrichment in other elements. However, there are associations between Cu-Zn, +/- Ag in several cases. The map shows weakly mineralised rocks (Au and/or Cu-Zn-+/- Ag) across an area 3.5 km long and 100 m wide.

Further work was carried out by EX-IN Explorateur-Innovateur in 1997 in another small block located in the centre-west of the actual property (**GM 55998**, *appendix 4e*). Mapping, dynamiting, stripping, line cutting, bulk and grab sampling, HLEM (Max-Min) and MAG surveying as well as a small campaign of short drill holes (61 m) were carried out. Several mineralizations were found, many of which were Max-Min and Beep-Mat conductors superimposed on magnetic anomalies. These are:

- Quartz-carbonate-sulphide (py, po, cp) veins found in wide carbonated zones that were concordant with layering;
- Sulphide, oxide and silicate iron formations with graphite;
- Disseminated sulphides in a felsic tuff.

Several small bulk samples of sulphide-facies iron formation were collected from the Lac Atikamakuch-588 showing. The material analysed (5 kg) came from a massive sulphide concentrate, weighing 420 kg, produced by manual concentration and separation of conductive or magnetic materials, or a combination of both types. Analyses of these 5 kg concentrates all gave anomalous gold values (**36 and 693 ppb Au**) including one at **2382 ppb Au**.

Two shallow holes (hole 1-EX-97-10, hole 2-IN-97-10) were drilled in the area of the **Lac Atikamahuch-588 showing** targeting EM conductors attributed to massive pyrrhotite. The results were:

- Hole 1 (44.8 m): 350 ppb Au / 3.1 m from a felsic tuff with 3.0 m thick beds and 20% disseminated pyrrhotite. Further down, the tuff is in contact with a basalt interlayered with a magnetite iron formation. Then, several, up to 18.0 m thick, quartz-bearing massive pyrrhotite bands were intercepted in a mafic to ultramafic vesiculated tuff in contact with a basalt enclave. The massive sulphides are sterile;
- Hole 2 (13.72 m): 500 ppb Au / 1.83 m from a 2.0 m thick felsic tuff with 20% disseminated pyrrhotite in contact with a magnetite iron formation, both of these are interlayered in an olivine basalt with spinifex texture (komatiite ?) and milky quartz veins.

Further work was recommended in this area on the geophysical anomalies and the as yet unaccounted for Beep-Mat results. This recommendation was not followed.

### **1997 - Gaspésie Société d'Exploration Minière**

*Gaspésie Société Exploration Minière* began ground magnetic and HLEM surveys in 1997 that covered the southern Yasinski property and beyond to the south (GM 56157, **figure 7, map 1**). Long and wide HLEM conductors superposed on strongly magnetic zones were reported, with many of them on the property. HLEM and magnetic anomalies, apparently with shallow dips, are attributed to volcano-sedimentary rocks and graphitic shales containing massive pyrrhotite.

Further work was recommended to explore the unaccounted for HLEM-Mag anomalies. This recommendation was not followed.

### **2002 - Guy Galarneau**

Compilation, hammer and Beep-Mat prospecting, and rock sampling was undertaken on behalf of Guy Galarneau, prospector, in the southern half of the Yasinski property and farther to the south, following the eastern edge the Lac Yasinski greenstones (GM 60553, **figure 7**). Several samples were collected from outcrops containing Beep Mat conductivity and magnetic anomalies and were analysed for gold and 35 other elements. According to this author, some of the sampled sites were worked before. Five of the samples are from the property north of the Trans-Taiga Road. The only significant

assay result is **1582 ppm Zn** (SR02-RC04, **appendix 4f**) from a basalt with 10% pyrrhotite.

Further exploration work was recommended south of the road.

### **2007 - Ressources Minières Augyva**

Ressources Minières Augyva<sup>5</sup> undertook a compilation of the exploration results and a geophysical survey over the actual Yasinski property. They covered the property with airborne magnetometric and Versatile Time Domain Electromagnetic (VTEM) surveys, representing 893.8 km survey lines (GM 63483, **figure 7**). **Map 9** presents the result of the compilation of the geological and mining surveys and their interpretation. A number of conductors oriented north-north-east/south-south-west were identified that are always present in late channels, suggesting the presence of good and deep electromagnetic conductors. The superposition of magnetic anomalies onto VTEM is common. VTEM-MAG fits suggest the presence of zones rich in magnetic sulphides such as pyrrhotite. We note that the radiometric survey (U, K) anomalies are superimposed in the southern section of the property. The huge, subcircular magnetic anomaly located to the north of the property is derived from the intrusive mafic-ultramafic Menarik Complex. Inversions carried out on the magnetic data suggest that these magnetic rocks are shallow (<100 m).

*An extensive VTEM time-domain airborne electromagnetic survey has been conducted on behalf of Augyva in 2007, which is currently the best geophysical dataset available on Yasinski. No ground follow-up has been disclosed.*

### **2012 - Ressources Minières Augyva**

A geophysical compilation and interpretation map at a scale of 1:20 000 was produced on behalf of Ressources Minières Augyva by Joël Simard, which map is not publically available. Geophysical anomalies such as radiometric (U, K), magnetometric and electromagnetic as well as the known showings and some discordant faults and shears were compiled. These compiled anomalies were verified in the field and are reported in the compilation map of this report.

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<sup>5</sup> Then under the management of George-Yvan Gagnon, suggesting that near to all the work has been conducted by his own crews. Field work has never been reported as assessment, and it is unlikely that it is recoverable.

## GEOCHEMICAL COMPILATION OF SEDIMENTS (LAKE, TILL, SOIL, STREAM)

The SDBJ (“Société de développement de la Baie-James”) and the government of Quebec carried out a systematic lake-bottom survey (GM 36000) covering the entire James Bay area. Stream sediment surveys were also conducted along with regional mapping and covered the northern section of the property. The compilation of the lake-bottom and stream sediment analyses is provided on the set of maps for gold, silver, copper, zinc, arsenic, nickel chromium (*maps 2 to 8*). These samples were analysed for more chemical elements; they are presented in *appendix 7*.

The analytical results for the selected elements presented on folded maps show no areas of significant anomalies in lake-bottom and stream sediments of the Yasinski property. At best, a few areas of the northern section of the property are noted anomalous in nickel and chromium in lake-bottom and stream sediments, which is normal considering the presence of the intrusive mafic-ultramafic Menarik Complex. There are also some low to medium zinc enrichments in the northern and southwestern areas of the property. The southern area of the property and north of the Lac Atikamakuch property - 571 shows some sediments containing zinc and silver anomalies. Several silver showings are in this area. Zinc is among the most mobile elements and weak to medium zinc anomalies are commonly found in a similar environment. To be significant, a zinc anomaly must be very high and be accompanied by an anomaly in other elements. No significant geochemical anomaly is noted.

*Geochemical surveys carried by the provincial government are of little use in Yasinski, the sampling density not being sufficient. No outstanding anomalies are discernable.*

The reader shall be aware that interpretation of secondary environment geochemistry, such as lake bottom sediment, is a very complex task, which has not been attempted in the course of the current mandate.

## COMPILATION OF GEOPHYSICAL FEATURES

The Yasinski property has been covered by an impressive array of geophysical survey. Salient geophysical features were compiled from assessment reports, including aeromagnetic surveys (EM, HLEM, VTEM, Beep Mat), magnetic surveys, radiometric surveys (K, U), and induced polarisation and resistivity surveys. These features were compiled and are presented on **map 1**.

*A plethora of geophysics surveys were conducted on Yasinski, the detailed interpretation of which is out of the current scope. For the current purpose, only the recent VTEM survey shall be of interest.*

The most recent and significant survey is the aeromagnetic and VTEM survey results flown on behalf of Augyva in 2007, which covers the entire property. Results are reported on folded **maps 1 to 8** as magnetic linear anomalies and coloured contours. VTEM conductors are represented by a red dotted line and numbered for subsequent reference. An older airborne frequency domain (5 channels) electromagnetic survey also encompass the entire property, displayed on the compilation with the conventional Input icons.

Older geophysical surveys covered incompletely the actual Yasinski property and are less relevant than the VTEM. Results and cut grids are represented on the compilation maps when relevant.

A few observations from the survey compilation:

- Several long and laterally persistent EM-Input conductors occur mainly in mafic rocks in and adjacent to felsic and volcano-sedimentary rock bands;
- The superposition of VTEM conductors on EM-Input conductors confirms the location and the high intensity of the EM conductors;
- Input and VTEM conductors are commonly coincident with magnetic anomalies and interpreted in reports as being pyrrhotite-rich zones resulting from sulphide iron formations and / or massive volcanogenic sulphides. However, graphite-bearing magnetite iron formation are reported on the property and may induce the such geophysical conditions.
- Several gold, silver and copper occurrences are associated with an Input or VTEM conductor superimposed on a magnetic anomaly (Atikamakuch-571, Atikamahuch-588, Anomaly 4-26, Instrument Knoll showings);

- Several superposed Input and VTEM conductors and magnetic anomalies are unaccounted for and remain valuable exploration targets to this day;
- Some of the Input and VTEM conductors are due to the presence of graphite in the phyllite or quartz-phyllite schist, in silicate- and sulphide-facies iron formations or in tuffaceous felsic rocks. Graphitic zones are commonly associated with sulphides, which may act as metal traps.

### MINERALIZATIONS

The Yasinski property was explored mainly for gold, but also for chromite and nickel, +/- PGE associated with ultramafic sills, as well as for precious and base metal-bearing massive sulphides, and finally for uranium (*map 1, tables 1 to 3, appendices 2, 5 and 6*).

#### ***Analysed mineralised surface rocks***

Approximately 400 rock samples analysed for various elements (Au, Ag, As, Co, Cu, Cr, Ni, Pb, Pt, Pd, Zn) were compiled. These data were mainly extracted from assessment reports although some are from MRNQ database (*appendix 5*). Analytical results for gold, silver, arsenic, copper, zinc, nickel and chrome from all surface rock samples are presented on folded *maps 2 to 8*. Results are represented by a variety of symbols depending material type, while their size is according to grades, in order to provide a quick overview of areas of interest. Lake-bottom and stream sediment analyses are also presented.

*More than 400 surface samples analyses were compiled from assessment work, as well as 88 diamond drill holes.*

#### ***Diamond drill holes***

Over 88 diamond boreholes were drilled on the Yasinski property. All were compiled by the MRNQ<sup>6</sup> and are available in the SIGEOM database. Collar locations, identification and mineralised intersections are represented on *map 1*. The complete list and information summary of the boreholes are listed in *appendix 6*. Boreholes that intersected significant mineralization are summarized in *table 2* for gold, silver, copper, zinc, lead and tungsten, and in *table 3* for chromium, nickel, copper and platinum group elements. These boreholes targeted either geophysical features and / or surface mineralization. Several boreholes targeted structures and discordant lineaments oriented

<sup>6</sup> Compiled by IOS under contract by the MRNQ in mid 1990's.

N070°, N340° and N300° or cutting concordant faults oriented north-north-east/south-south-west.

The main drilling campaigns carried out on the property were for gold in the Yasinski-NE area. A second important program was for chromium, nickel, copper and PGE in the mafic-ultramafic intrusions between Lac Ultra and the northern limit of the property.

### ***Mineralised occurrences listed and identified by mineral deposit type***

All precious and base metal occurrences found at surface and by drilling on the Yasinski property were listed by the MRNQ, for a total 14 occurrences. These are of various types, classified as follow:

- **Type I** uranium mineralization (**U**) in pyrite-bearing quartz pebble conglomerates (hole 54427) (Eliotte Lake type);
- **Type III Ag (Au)** mineralization in a sulphide-facies iron formation (Instrument Knoll);
- **Type V Cu-Au-Ag** mineralization in volcanogenic massive sulphides associated with felsic rocks (Lac Gasosabeekatch-Lac Ultra) (Noranda VMS type);
- **Type VI** stratiform **Au-Ag** mineralization associated with silicate- and oxide-facies iron formations (Lac Atikamakuch-588 showing) (Musselwhite type);
- **Type VII** stratiform **Au-Ag-Cu (Zn, Pb)** mineralization associated with alterations located at the top of mafic flows ( Lac Yasinski-NE and Anomaly 14 showings);
- **Type IX** magmatic **Cr-PGE (Ni, Cu, Co)** mineralization associated with the mafic-ultramafic rocks of the Menarik Complex (3700-1, Cr-12-14, Cr-13 and 4930N-1 showings, Menarik Complex) (Alpine chromite type);
- **Type XI** remobilised type IX **Cu-Ni-Co-PGE, +/- Au** mineralization (Cr-13 and 4930N-1 showings, Menarik Complex);
- **Type XII** gold (**Au**) mineralization associated with a Menarik Complex gabbro (Platinor-8801 showing);
- **Type XIII** late polymetallic **Cu-Zn-Pb-Au-Ag-As, +/-Ni** vein mineralization (Anomaly 4-26, Lac Atikamakuch 571, Lac Gasosabeekatch-Lac Ultra, Lac Atsynia-Lac Talc showings).

These occurrences will be further discussed in next section.

## OTHER MINOR REMOBILISATION TYPES

Compilation reveals that numerous *gold mineralizations* are associated with other metals such as As, Ag, Cu, Zn, Pb, Ni or PGE. Each of these represents different metallogenic contexts, but although affiliation with an exact deposit types was not indicated:

1. Disseminated syngenetic to epigenetic (shear) sulphides (py, po, cp, asp, +/-sp, +/-gl) located in mafic to intermediate tuffs near felsic tuffs (Yasinski-NE showing, Gasosabeekatch showing);
2. Disseminated sulphides (py, po, cp, sp, gl) in schists with quartz, carbonate, sericite, biotite, chlorite and fuchsite alteration, which possibly relates to felsic intrusions (tonalite, granodiorite and qz-fd porphyry) ex. holes 2050N-1 (**appendix 8a**), 2050N -3, 2100N-4 from the same environment as type 1;
3. Disseminated sulphides (py, po, cp, nickel sulphides, asp, sp, gl) in a variety of sheared and altered rock such as amphibolite, basalt, mafic tuff and metasediment, which are interlayered or in contact with equally sheared, altered and gold mineralised mafic-ultramafic intrusive rocks (Lac Delta showing, holes 1800N-1, 2600N-2, 4915N etc.);
4. Disseminated to massive polymetallic sulphide horizons (po, py, cp, +/-sp, +/- gl) in silicate-, oxide- and sulphide-facies iron formations (Lac Atikamakuch-571, Atikamakuch-588 and Instrument Knoll showings). It is to be mention that numerous authors considers iron formation as exhalative and distal equivalent of massive sulphides;
5. Gold and/or silver occurring in disseminated sulphides (py, cp, asp) in quartzites (or silicified rock ?) associated with sericite, fuchsite and sulphides of the Apple Formation in contact with mafic-ultramafic intrusives (Lac Atsumia showing);
6. Sulphide blebs (py, po, cp, sp, gl) in small quartz veins with carbonate, amphibole, chlorite and tourmaline, cutting basalts, tuffs and volcano-sedimentary rocks (Platinor-8801, Anomaly-14, Lac Gasosabeekatch showings, hole 4400N-1)
7. *Some silver mineralizations* (Ag, +/- Au) are reported as restricted to small late veins (Instrument Knoll, Sondage 286-7 and Lac Atsynia /Lac Talc showings)

8. Some copper polymetallic (+/- Ag, +/- Au, +/- Ni, +/- PGE) remobilisations are reported in small late veins injected in sheared and altered rocks (Lac Ultra area, Atikamakuch-588 showing).

## THE YASINSKI-NW FAULT AREA

The greatest concentrations of gold and/or silver mineralization are found near Yasinski-NW fault. Located in the centre-north of the property, these include:

- ✚ Yasinski-NE or Platinor
- ✚ Gasosabeekatch-hole 1400N-1
- ✚ Anomaly-14
- ✚ Platinor-8801
- ✚ Instrument Knoll

Several other minor gold enrichments are reported in the area (**maps 2 to 8**). Work carried out by Noranda in 1989-1990 on their Nord Block (Lac Delta) and subsequently the *Platinum-Augyva* partnership between 1989 and 1992 included abundant drilling (**map 1, tables 1 to 3, appendices 3, 5 and 6**), which however is not systematic enough to calculate a resource.

*Nurmeous gold occurrences are associated with the Yasinski-NW fault. These are epigenetic, typically in sheared and altered volcanic or ultramafics.*

Many of the gold mineralizations appear to be located at the sheared interface between amphibolitised basalts of the Yasinski Formation (*Aya3*) and the younger feldspathic sandstone and conglomerate of the Shabudowan Formation (*Asw*) (**map 1**). This unconformity represents the limit between two distinct volcanic cycle, considered as a significant metallogenic in the whole area. Mafic to felsic pyroclastic rocks are capped by silicate-, graphite- and oxide-facies iron formations, which represent the material accumulated during the volcanic hiatus, and now underline the contact of the two geological formations. This contact zone as well as the rocks hosting the gold mineralization are intruded by thick gabbro-pyroxenite sills that are locally differentiated into a peridotite and a chromite-rich dunite. Gold is also found at the sheared contact between the mafic-ultramafic intrusives and its country rocks. Felsic dykes and local quartz-feldspar porphyries are reported in vicinities of the gold remobilisation .

Gold is mostly located in sheared and locally folded geological contact zones, dominantly along north-north-east/south-south-west concordant thrust faults. Mineralization is typically hosted by mafic schists as well as altered (si+, am+, bo+, cb+,

tc+, cl+, gr+, fu+, gp+) and mineralised (py, po, cp, sp, gl, asp) mylonites. The schists are locally invaded by quartz veining, boudinaged and locally mineralised.

Gold mineralizations, in Yasinski-NE occurrence, could be attributed in part to late structures cutting and reorienting rocks as well as concordant thrust faults. Among these discontinuities and faults, we recognise those that are oriented east-north-east/west-south-west cutting and reorienting the layers in their direction (Chainey, 1990, GM50180) as well as later north-west/south-east to north-north-west/south-south-east (340°) oriented faults such as the Yasinski-NW fault (Borduas, 1990, GM 50437). Not all these faults are reported properly on maps. The abundance of gold mineralization decreases away from these structures. These faults are discernible by the a north-west/south-east oriented lineation on topographic maps, by a large sinistral discontinuity in the aeromagnetic field as well as by discontinuity of the geological units (**map 1**). Both the Yasinski-NW and the N340° faults were drilled by Noranda and the *Platinum/Augyva* partnership.

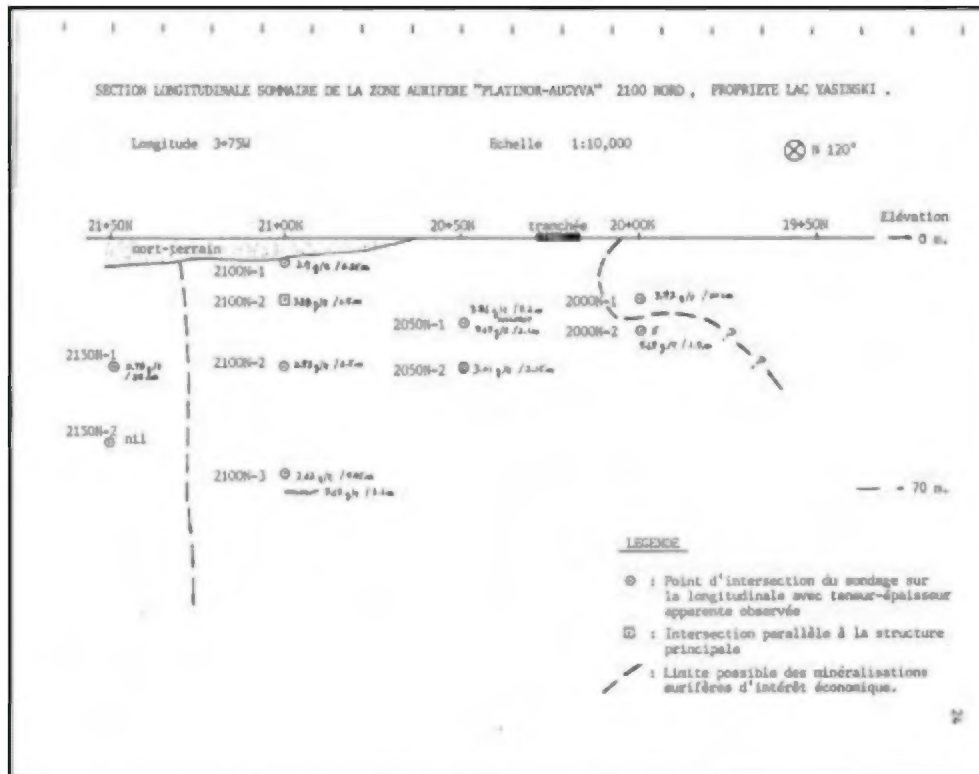
Some of the gold mineralization in vicinity of Yasinski-NE occurrence is associated with mafic to intermediate pyroclastic rocks, in contact with altered felsic pyroclastic rocks. The mafic to intermediate tuffs are metamorphosed and altered (si+, am+, bo+, cb+, cl+, fu+, gr+) and characterized large hornblende crystals. Mineralized zones are concordant and traced for a long distance along the shear zone oriented N210-220/NW. They are characterised by disseminated sulphides (1-10%) and pyrrhotite, pyrite, chalcopyrite, arsenopyrite, sphalerite and galena veinlets. The adjacent felsic rocks are fine to coarse pyroclastics (lapilli and blocks), altered (si+, sr+, bo+, cl+, cb+, fu+, gp+) and containing sulphide mineralization with quartz+/- sulphide veins. The felsic rocks and the quartz veins are typically sterile or weakly gold-bearing, unlike the adjacent mafic to intermediate tuffs. Medium to high gold grades (1.0 to 45.0 g/t Au) were reported from grab samples in this type of disseminated mineralization. In addition to gold, there is local high grades of silver, copper and zinc (**tables 1 and 2, maps 2 to 8, appendix 5**).

### YASINSKI NE (OR PLATINOR-AUGYVA) OCCURRENCE

Several boreholes were drilled in the vicinity of the surface sample that assayed 45.0 g/t Au at the Yasinski-NE occurrence by *Platinum-Augyva*. A few metre-wide zones were intersected with gold grades of 0.5 to 5.0 g/t, seldom higher (5.0 to 12.4 g/t Au). This gold-bearing zone, named **Yasinski-NE** or **Platinor-Augyva** in reports, is delineated at least for 150 m long by 1.5 to 7.2 m wide and 120 m deep with grades varying from 2.77 to 7.67 g/t Au for an

*Yasinski-NE or Platinor occurrence is the best occurrence on the property. Drill intersection up to 2.86 g/t Au over 7.2 metres were obtained.*

average grade of 3.1 g/t Au (**figure 8**, GM 50437). The best intersection was **2.86 g/t Au** over **7.2 m**. The gold-bearing zone remains open to the southwest, but probably not at depth, a sterile hole being drilled to a depth of 152 m (hole 2050N-4). Drill hole pattern does not allow resource calculations. No other drilling campaign was ever carried out on this occurrence. Gold at this occurrence is located in an altered tonalite crosscut by a gabbro dyke and quartz veins.



**Figure 8:** Longitudinal section of "Platinum-Augyva 2100 NORD gold zone" included Yasinski-NE showing. Modified from Bordua, 1990 (GM 50437).

### LAC GASOSABEEKATCH AND ANOMALY-14

Some of the gold mineralization in the area of the Yasinski-NW fault is associated with mafic and ultramafic intrusions, such as Lac Gasosabeekatch and Anomaly-14 showings (**maps 1** and **2**). The Au-Ag-As (+/-Cu, +/-Ni, +/-Pd, +/- Pt) mineralizations consist of disseminated sulphides and massive sulphide veinlets in the shear zone that affects the mafic-ultramafic rocks and the country rocks (mafic to intermediate tuff, metabasalt, metasediments and tonalite). Quartz veins, locally mineralised, are present in this geological environment.

Gold mineralization associated with mafic-ultramafic rocks is in the sheared, altered (si+, cb+, tc+, bo+, cl+, am+, fu+, to+) and sulphide-bearing (1-20% po, cp and asp, chromite, magnetite, Ni-sulphides, pyrite) rocks. Gold is actually in distinct and small, decimetre to metre wide, gold-bearing shear zones that are richly mineralised in sulphide and are at times repetitive over several metres; up to hundreds of metres in a single hole separated by rocks that are probably sterile. Hole 2600N-1 is an example. Gold grades of this hole varied from **60 to 3200 ppb Au within a discontinuously sampled interval of 43.0 m, including 466 ppb Au over 15.7 m**. Only sheared and mineralised rocks were subject of geochemical analysis, seemingly barren rocks were not analysed. Gold is associated with copper, arsenic and locally nickel (< 1.28% Ni), palladium (< 3100 ppb Pd) and platinum (< 180 ppb Pt) enrichment. Hole 2600N-1 is repeated to some degree by holes drilled underneath (hole 2600N-2), 50 m to the south (hole 2550N-1) and 100 m to the north (hole 2700N-1).

*Shear zone affecting the ultramafic rocks of Menarik Complex are locally enriched in gold, and numerous drill holes yielded mineralized intersects.*

The best gold mineralization found in sheared mafic-ultramafic environments is, from south (Lac Ultra) to north (grid level 4915N):

- Surface mineralization, North Block area (Lac Delta of Noranda and Platinum-Augyva: < 1.0 g/t Au, < 3650 ppm Cu, < 2600 ppm Ni, < 1.0 ppm Ag and < 1.0 g/t Pd;
- Hole 1800N-1 3.4 g/t Au and 3.6% Cu over 0.3 m;
- Hole 2550N-1 0.16 g/t Au, 0.39% Cu and 0.41% Ni over 4.9 m;
- Hole 2600N-2 1.3% Ni, 0.4% Cu and 0.22 g/t Au / 7.3 m as well as discontinuous samples grading 40 ppb to 672 ppb Au collected here and there over 182 m of core;
- Hole 2600N-1 1.2 g/t Au / 7.3 m as well as discontinuous samples grading from 60 to 3200 ppb Au collected here and there along 43 m of core;
- Hole 2800N-1 1.8 g/t Au / 0.9 m;
- Hole 4915N-1 1.32% Cu, 0.59% Ni and 1.0 g/t Au / 0.5 m.

The Pro-Or chromite deposit, adjacent to the north of Yasinsky property, contains similar gold (up to 59.6 g/t Au) along with silver (up to 69.0 g/t Ag), copper (up to 5.1% Cu), PGE (up to 5.4 g/t Pd+Pt) and cobalt (**figure 9**). Most of this gold mineralization is found in a wide gabbro intrusive on the eastern side of the Complex. The gabbro intrudes a wide tonalite, the mineralization being located at the sheared contact between these two intrusives rock. The geological setting of the mineralization is not well documented.

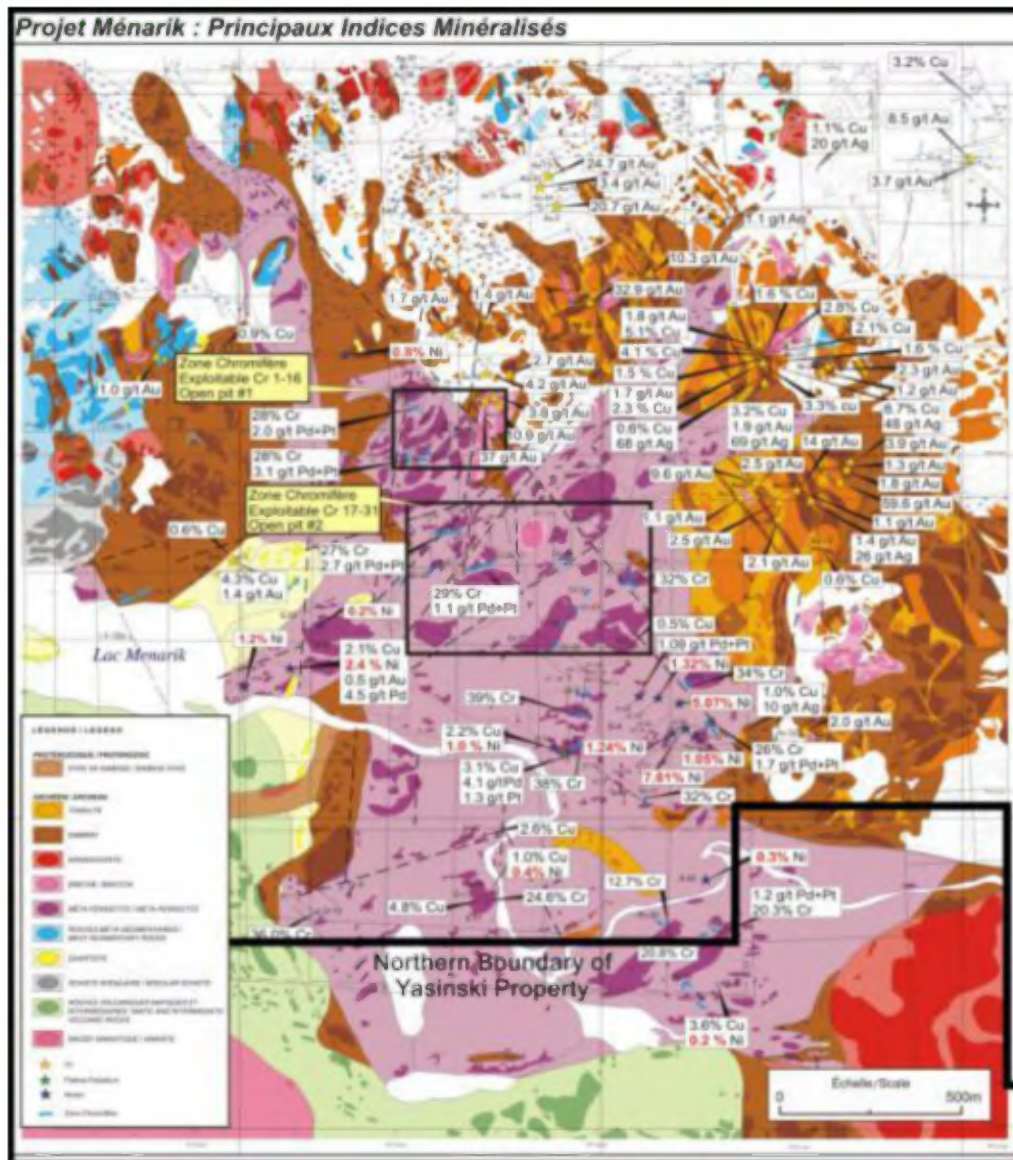


Figure 9: Main Au, Ag, Cu, Ni, Pt-Pd and Cr showings from the Ménarik mafique-ultramafique intrusive rocks Complex of Pro-Or. Modified from Ménarik Project picture of Ressources Minières Pro-Or from Pro-Or Website.

### QUARTZ VEINS

Several gold showings listed in the area of the Yasinski-NW fault come from late, **gold-bearing quartz veins** cutting all rock types, including mafic to ultramafic intrusions and tonalite. These quartz veins occur with sericite, tourmaline, chlorite, amphibole and sulphides (py, po, cp, sp, gl, asp) with altered wall rocks. These late, mineralised quartz

veins are most often associated with shearing, but also with tension fractures cutting sterile rocks. However, these veins are thin (<0.5 m), isolated and discontinuous in sterile rocks with one exception (hole 4400N-1). A few of the showings are of this type:

- **Anomaly-14 showing 12.08 g/t Au** from a quartz-pyrite-arsenopyrite vein cutting a foliated amphibolite affected by east-north-east/west-south-west shearing;
- **Platinum-8801 showing (12.08 and 5.5 g/t Au)** from a small quartz vein oriented N340° cutting a tonalite and a gabbro;
- **Lac Gasosabeekatch showing 6.5% Cu, 26.0 ppm Ag and 1.9 g/t Au** from a grab sample and **7.3 g/t Au, 38.4 g/t Ag and 2.6% Cu over 0.2 m** from a hole, occurring in quartz-carbonate-po-cp veins cutting a mafic tuff, and a sheared and altered basalt (hole 1400N-1);
- **Hole 4400N-1 showing 2.1 g/t Au over 3.7 m** from a 1.55 m thick quartz-tourmaline-sulphide vein complex cutting an altered mafic tuff (vein intersected at the bottom of the hole).

One part of the Yasinski-NW fault was mapped and prospected in detail by Noranda and Platinum-Augyva. Many outcrops were mapped in the area (*map 1*). Several of these outcrops show gold, copper and silver mineralization (*maps 2, 3, 4*). Nevertheless, many areas remain unexplored.

## LAC ULTRA AREA

In 1989 and 1990, Noranda reported several surface gold, silver copper, zinc, nickel and palladium mineralizations in the North Block of the Lac Ultra area and for 1.5 km further northeast (sample numbers: 8842-48, 8858-65, *appendix 4b*, *maps 2 to 8*). The northern limit of the mineralization is the Yasinski-NW fault. The mineralization is either in massive sulphide veinlets or in disseminated pyrrhotite and chalcopyrite with magnetite in a banded pyroxenite sill, locally differentiated to peridotite. The rocks are sheared and altered to tremolite, talc, serpentine, fuchsite and carbonate, with local mineralised quartz veins. A correlation between copper and gold is common. Noranda reported mineralization using the number of the geophysical anomaly, evaluated at surface only: (*appendix 4b*):

*Various mineralized occurrences were reported by Noranda in Ultra Lake area, either epigenetic gold or sulphide-hosted base metals. The targets were subsequently drilled by Planitor-Augyva.*

- **Anomalies 1A to 1C** (location ?), samples RV-370, RV-379 to RV-383 reported anomalous **gold (75 to 303 ppb Au)**, **copper (0.14 to 0.79% Cu)**, **zinc (0.26 and 0.32% Zn)** and **silver (1.2 g/t Ag)**;
- **Anomaly 2**, samples RV-290-291, RV-297-299, RV-367-368 reported anomalous **copper (< 0.35% Cu)**, **nickel (< 0.29% Ni)**, **palladium (< 973 ppb Pd)** and **platinum (< 191 ppb Pt)** located in the ENE-WSW fault zones cutting Serpentinite-West (Chainey, 1990, GM 50180) transformed into talc schist, antigorite, tremolite with po-cp;
- **Anomaly 3**, sample RV-284 reported 54 ppb Au and 0.12% Cu, found in a talc-bearing serpentinite;
- **Anomalies 4A and 4B**, samples: RV-248-249, RV-254-255 reported anomalous **gold (75-1030 ppb Au)** and **copper (< 0.76% Cu)** found in a quartz and muscovite mylonite cut by discordant, crushed quartz, +/- calcite veins with pyrite and chalcopyrite cutting an amphibolite;
- **Anomaly 5** sample RV-217 reported 70 ppb Au from a muscovite-magnetite-garnet schist interpreted as an iron formation in contact with Serpentinite-East;
- **Anomalies 6A to 6E** samples RV-410-411, RV-420, RV-423, RV-466, RV-529 reported anomalous gold (37 to 98 ppm Au) occasionally copper (0.15% Cu) and silver (1.4 g/t Ag) in a amphibolite sheared by the Western Fault Zone, mineralised by py, po, cp and asp, and cut by quartz-carbonate veins;
- **Anomalies 7A and 7B** samples: RV-87 and RV-467 reported 42 and 71 ppb Au from a sheared, altered (si+, cl+) and pyritised amphibolite affected by the Western Fault Zone and an east-north-east/west-south-west fault ;
- **Anomalies 9A to 9C** samples: RV-165-171, RV-481, RV-483, RV-500-502, RV-504, RV-507-510, RV-514-516 and RV-522, reported anomalous gold (**36-1081 Au**) and copper (**< 0.47% Cu**) from a sheared, recrystallized, altered (bo+, cl+, gr+) amphibolite, containing py, po, cp, +/- asp mineralization;
- **Anomaly 10** samples RV-142, RV-163, RV-215-216 reported anomalous gold (48-325 ppb Au), copper (0.29% Cu) from a geological setting similar to anomaly 9;

- **Anomalies 11A to 11C** samples: RV-76, RV-74, RV-26-27 reported anomalous gold (34, 48, 631 and 5,670 ppb Au) from the Western Fault Zone (WFZ) from a mylonitised, recrystallized and altered (bo+, cl+, tc+) amphibolite, containing py, po, cp and asp mineralization;
- **Anomaly 12** samples RV-108 and RV-113 reported anomalous gold (<50 ppb Au) and copper (<0.17% Cu) from the Eastern Shear Zone cut by an east-north-east/west-south-west fault in an altered (cl+) amphibolite containing chalcopyrite;
- **Anomaly 13** sample RV-209 reported 199 ppb Au and 0.25% copper from a sheared (EFZ) and altered (cl+, bo+) amphibolite, containing qz-cc-cp veinlets;
- **Anomaly 14** sample RV-007 reported **12080 ppb Au (12.08 g/t)** from a geological setting similar to Anomaly 13 in the EFZ with the difference that the mineralised quartz veins contain arsenopyrite, sphalerite and galena in addition to chalcopyrite.

Most of the reported mineralizations are associated with concordant, highly altered and mineralised faults and mylonites. Several transect faults, oriented east-north-east, north-west and north-north-west 340° were identified in vicinities of the occurrences, which apparently played a role in the concentration of pre-existing precious and base metals. Very little information is disclosed about the extent and size of the mineralization and showings in the Noranda reports. The company did not drill. Drilling was carried out subsequently by Platinum-Augyva partnership between 1990 and 1991 in the Lac Delta area and further to the north.

### LAC ATIKAMAHUCH

Work carried out in the southwest area of the property by EX-IN (Explorateurs-Innovateurs) between 1996 and 1998 discovered several gold remobilisation s associated with anomalous copper, silver and zinc (GM 56878, GM 55442, GM 55997, GM 55998). Detailed mapping unearthed garnet-bearing amphibolitised basalts with local relict spinifex texture (komatiite?) interbedded with mafic to felsic tuffs (ash, lapilli and block tuff), a conglomerate, an oxide-facies (magnetite) cherty iron formation, silicates (anthophyllite, grunerite, garnet) and sulphides (py-po) iron formation, locally with graphite. The rocks in this area are faulted and highly folded on a meter to kilometre scale as seen on the geological map, and the magnetic and electromagnetic anomaly axes (**map 1**). Diabase dykes cut them. Mineralization is tabular, locally folded and then thicken in the fold hinges.

Very long and continuous electromagnetic conductors, coincident with magnetic anomalies, were the main exploration targets by Ex-In, mainly in regard of massive sulphides. Evaluated with the use of a Beep-Mat, mineralized rocks are both conductive and magnetic due to the presence of pyrrhotite, but also to the presence of graphite and magnetite in the iron formations.

Anomalous gold (**100 to 2840 ppb Au**), silver (**1.2 and 2.6 ppm Ag**), copper (**200-4845 ppm Cu**) and zinc (**209 to 978 ppm Zn**) values were reported from this work (*maps 1 to 8, table 1, appendix 5*). Gold and polymetallic mineralizations were found in a variety of geological settings. One or several types can be found on the same site. They are:

- Mafic to intermediate tuffs associated with sulphide-, oxide- or silicate- facies iron formations with magnetite, amphibole (anthophyllite), garnet and sulphides (10-85% po) with 1-18 m wide by 30-50 m and + long alterations (sr+, si+) interlayered with a basalt (< **2.84 g/t Au, Atikamakuch-588 showing**);
- Smoky and rusty quartz vein with sulphides (5% po) and alteration (cc+) in an amphibolite iron formation measuring 1.0 m x 200 m (**1.50 g/t Au, Atikamakuch-571 showing**);
- Graphite- and sulphide-bearing tuff (20% po-py, 2% cp) in contact with a basalt (**4 845 ppm Cu**);
- Quartz-carbonate-sulphide veins (py, po, cp) in carbonated zones much larger than and conformable with layering (possibility of carbonate-facies iron formation);
- Disseminated sulphides (3-20% po) in a felsic tuff (500 ppb Au over 1.83 m, hole 1-EX-97-10).

Mineralization ranges from less than a metre to several metres in thickness and for several to hundreds of metres in length. Only two shallow holes (1-EX-97-10: 44.8 m, hole 2-IN-97-10: 13.7 m) were drilled on the Lac Atikamahuch-588 occurrence (GM 55998). These holes reported 350 ppb Au over 3.1 m and 500 ppb Au over 1.83 m, respectively. Gold mineralization is hosted by a thinly layered felsic tuff with 15-20% disseminated pyrrhotite in contact with a mafic tuff and a magnetite iron formation, interlayered in a garnet-bearing olivine basalt. Milky quartz veins are reported, but most of them are sterile. Several massive sulphide bands of pyrrhotite, up to 18.0 m thick, were intersected in the drill hole in a vesiculated intermediate to felsic tuff (hole 1-Ex-97-10). They proved to be sterile.

Several of the EM conductors superimposed on magnetic anomalies remain unaccounted for in this area, particularly south of the Trans-Taiga Road to the southern boundary of the property.

## INSTRUMENT KNOLL

The **Instrument Knoll** silver occurrence was discovered in 1959 by Main Explo (GM 10200). It is located at the northwest end of the Yasinski greenstone belt in a band of sandstone and conglomerates in contact with a basalt (*map 1, table 1*). Grades such as **49.37 g/t Ag** and **14.4 g/t Ag with 0.69 g/t Au** are reported in grab samples. The mineralization is derived from a quartz vein cutting a graphite-bearing quartzite in contact with an iron formation and a basalt. There are disseminated sulphides, massive pyrite and arsenopyrite laminae. Dimensions are not known. No outcrops are listed in the area, a sign that very little prospecting was carried out subsequently (*map 1*). The showing was not drilled. However, Main Explo drilled two holes (holes 286-4 and 286-8) 300 m northeast of this showing in a different geological setting, but without much success (*appendix 6*). No analytical results were found from these holes. This area remains unexplored.

## HOLE 286-7

Hole 286-7 was drilling down to 122 m by Main Explo in 1959 (GM 10200). It intersected 52.7 g/t Ag and 0.09% Cu over 1.8 m. The occurrence is hosted in a biotite, chlorite and garnet sulphide (po, cp) schist in contact with a biotite, chlorite and garnet quartzite crosscut by a gabbro-peridotite complex. According to authors, the quartzite could be a silicified biotite schist. There is no other information available about this silver showing. The geological setting is similar to the gold mineralization associated with mafic-ultramafic intrusive rocks and their sheared and mineralised country rocks discussed above.

*Various silver occurrences were reported by Main Exploration in 1959, upon which no subsequent exploration ever been conducted.*

## LAC ATSYNIA (LAC TALC)

The Lac Atsynia showing is a mere grab sample grading 21.94 g/t Ag discovered in 1959 by Main Exploration (GM 10200). It is located in the southeast area of the property in the eastern margin of the Yasinski greenstone belt and at the contact between a basalt and the Apple Formation sandstones and quartz pebble conglomerates (*map 1*). The showing originates in quartz and sulphide-mineralised (py, po, cp) veins of unknown dimensions. Veins are located at the contact between a quartzite and an amphibolite intruded by serpentinised, talc-bearing peridotite sill. Geophysical work (IP) undertaken by Mines Vauquelin (GM 55249) north of the showing indicated the presence of several resistivity and conductivity anomalies, most being unaccounted for to date. Very few

outcrops are noted in the centre-east area of the property and south of the Trans-Taiga Road.

## PODIFORM CHOMITES

*Substantial podiform chromite* occurrences associated with some *nickel and copper mineralizations* (Cr-Cu-Ni+/- PGE, +/-Co, +/- Au) are reported in the southern extension of the mafic-ultramafic Menarik Complex within Yasinski property. Cr-Ni mineralization occurs intermittently over about 5.0 km along the rocks of the Menarik Complex. On the property, chromite mineralization pods are metre-scale intersections (0.5 to 6.0 m), rarely more (< 12.7 m), with grades ranging from 3 to 10% Cr<sub>2</sub>O<sub>3</sub>, rarely more (<24% Cr<sub>2</sub>O<sub>3</sub>), with fractions of a percent in copper and nickel and a few hundreds ppb of palladium and platinum. They represent podiform chromite deposit, similar to the ones associated with alpine ophiolites.

Chromium mineralizations are derived from the layered mafic to ultramafic intrusive of the Menarik Complex (**map 1**), the same which host the Menarik River Valley chromite deposit of Ressources Minières Pro-Or. This deposit, with a measured and indicated resource of at 6.2 million metric tonnes at 7.69% Cr<sub>2</sub>O<sub>3</sub>, has been worked extensively by PRO-OR (PRO-OR website), who identified two potentially exploitable sites. Extensive metallurgical work lead to the development of a proprietary fluorination process, which is currently commercially used by Pro-Or for the recycling of spent catalyst. Drill intersection can contain up to 14.8% Cr<sub>2</sub>O<sub>3</sub> over 28.2 m, or 7.1 m rich section grading 35.1% Cr<sub>2</sub>O<sub>3</sub> with an excellent chromite/iron ratio of 1.93. Chromite mineralization is tabular or forming meter to tens of metre sized lenses (**figure 9**). Pro-Or project is not currently active. This deposit has been dwarfed by comparison with the *Ring-of-Fire* deposit, recently found in northern Ontario

*Subsequent of the Menaric River Valley discovery by Pro-Or, exploration efforts for podiform chromite were made in Yasinski. The discontinuous nature of the mineralization discouraged the efforts.*

The Menarik Complex includes gabbro, pyroxenite, peridotite and dunnite and is traced along the margin of the greenstone belt over a distance of 8.0 km, with a maximum width of 1.0 km (**map 1**). The mafic-ultramafic sills occur mostly in the eastern half of the property, injected as multiple sub-concordant intrusions into the country rocks. They mostly intrude the contact zone between amphibolite and metabasalt of the Yasinski Group and the feldspathic sandstone of the Shabudowan Formation to the west. They also intruded the quartz sandstones of the Apple Formation as small unmapped intrusions. Enclaves of the country rocks of all sizes are common. Menarik Complex

rocks are magnetic and are outstanding on the aeromagnetic maps. Their magnetic signature suggest the mafic-ultramafic intrusions continue southward past Lac Ultra to the southern limit of the property, or even beyond.

Several exploration and drilling campaigns were undertaken by Noranda and Platinor-Augyva partnership, targetting mafic and ultramafic rocks for chromite, nickel, PGE and gold mineralization. They covered the northern limit of the property as far south as Lac Ultra. Results from surface samples and drilling are presented in **maps 1 to 8**, **tables 1 to 3** and **appendices 5** and **6**.

Chromite-bearing mineralization includes some pyrite, pyrrhotite, chalcopyrite, pentlandite and magnetite. These sulphides are found in the peridotite or in a banded, and altered (tc+, tr+, cb+, fu+) serpentinite, as well as in contacts with the sheared silicified metabasalt or mafic tuff of the host rocks. Significant mineralizations are:

- North Block mineralizations (Lac Delta) Noranda/Platinum-Augyva (surface) < 0.36% Cu, < 0.29% Ni, < 1000 ppb Pd and < 400 ppb Pt, <3730 ppm Cr (**appendix 5**);
- Hole 75N-1 (Lac Delta) 0.16% Ni and 0.56 g/t Pd+Pt over 8.3 m;
- Hole 2650N- 14.6% Cr<sub>2</sub>O<sub>3</sub> over 6.5 m;
- Hole 3700N-1 10.74% Cr<sub>2</sub>O<sub>3</sub> and 0.1% Ni over 6.1 m and 13.86% Cr<sub>2</sub>O<sub>3</sub> over 3.2 m;
- Hole 4100N-1 26.15% Cr<sub>2</sub>O<sub>3</sub> over 9.1 m and 0.12% Ni over 5.7 m;
- Hole 4800N-1 0.18 Ni over 12.8 m;
- Hole 4930N-1 10.9% Cr<sub>2</sub>O<sub>3</sub> over 12.7 m and 0.17% Ni over 3.1 m;
- Hole 5100N-4 1.3% Ni and 1.2% Cu over 0.3 m;
- Cr-12-14 occurrence 28.28% Cr<sub>2</sub>O<sub>3</sub> over 1.3 m and many others.

Cr-Ni content and thickness of these mineralizations vary greatly along the complex. Chromite and nickel-bearing mineralizations typically occurs sporadically and repetitively in the same drill hole, without continuity. Intersections listed in the database are limited to the most significant only, the many other minor lenses are not here reported.

According to drilling results, the area with the best potential for Cr-Ni +/- PGE mineralization is located between lines 2650N and 4930N of the Platinum/Augyva grid (**maps 2, 7** and **8**). Over a distance of 2280 m, the Cr-Ni +/- PGE intersections are significantly more substantial in thickness and grade than the holes located farther south and farther north. This area correspond to the eastern limit of the Menarik Complex *Gabbro A mrk2* band (**map 1**). A continuity issue mars podiform chromites. In several instances, holes drilled adjacent to holes with significant chromium

mineralization were disappointing. For example, hole 4930N-1 reported 10.9% Cr<sub>2</sub>O<sub>3</sub> over 12.7 m is not repeated in hole 4915N-1 15 m to the south or in hole 4965N-1 35 m to the north. Platinum/Augyva partnership halted exploration for Cr<sub>2</sub>O<sub>3</sub> mineralization because this issue.

None of the company who was involved in chromium exploration within Yasinski property tackled the metallurgy of the deposit and the issue of the refractory nature of the chromite, such as Pro-Or did on their deposit. According to the author experience, the chromite must fulfill certain chromium-iron ratio to be acceptable for ferrochromium production. Also, platinum group minerals are typically enched in the chromite, such as in South-African Merensky reef. They are therefore difficult to recover, and furthermore are not necessarily extracted properly by the regular fusion recipe used for commercial fire-assay. Reported grades may not be dependable.

### CONGLOMERATIC URANIUM

*Uranium* was explored for in a pyrite-bearing basal conglomerate and quartzite of the Apple Formation in the extreme southern area of the property and beyond, without much success. This minor occurrence is the only of this type found in the course of the major uranium exploration campaign carried in the 1970' in relation with the Sakami Group.

### VOLCANOGENIC MASSIVE SULFIDES

There are a few small massive sulfide lenses *containing small amounts of precious and base metals* on the Yasinski property, which were intersected by drilling. They are located in the centre-south of the property and are associated with sulphide and graphite iron formations. They contains significant gold in places (< 2.0 g/t Au), but are low in silver, copper and zinc (Atikamakuch-588 and Atikamakuch-571 showings).

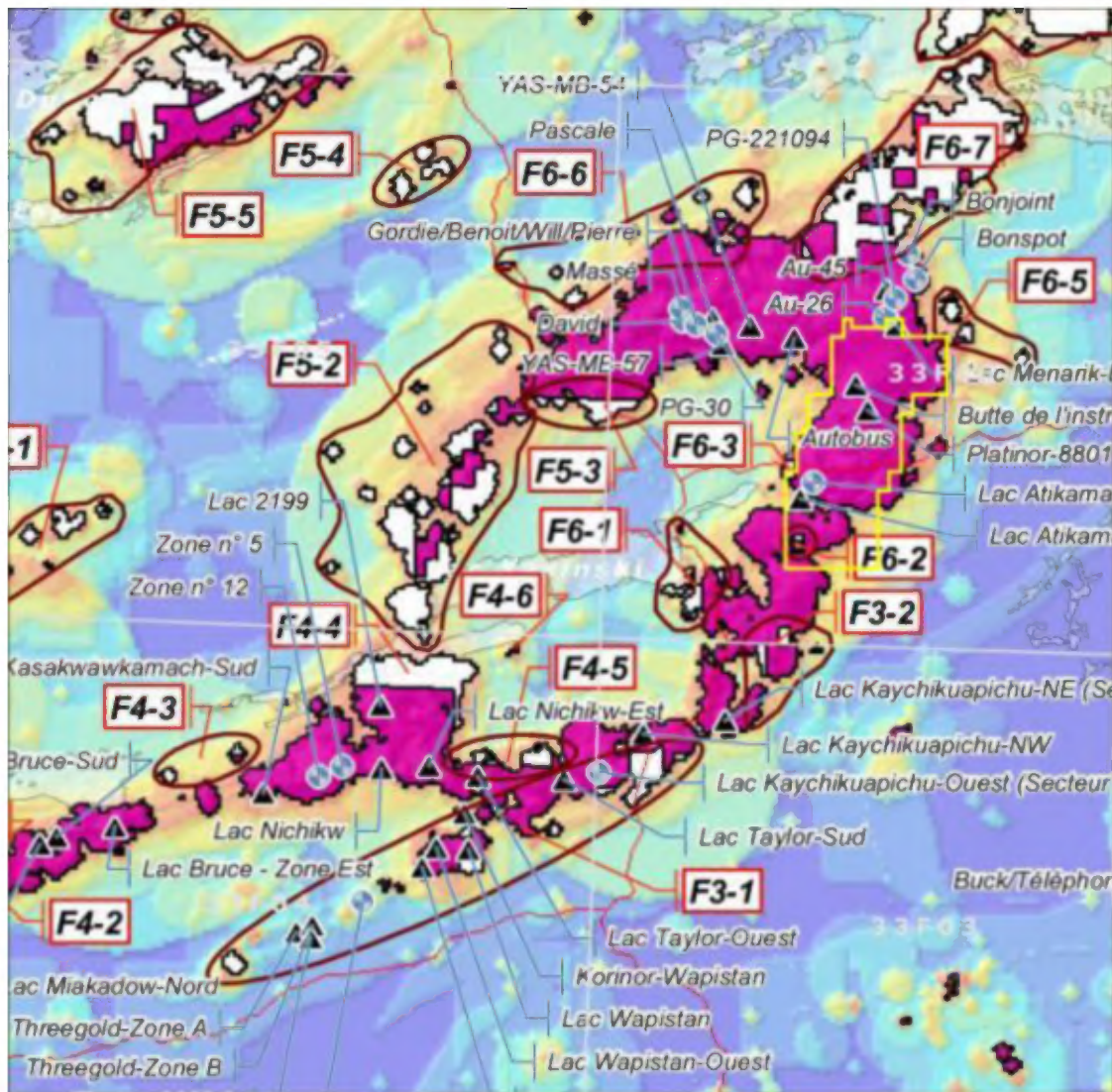
## TARGETS RECOMMENDED BY GOVERNMENT PUBLICATIONS

### POTENTIAL FOR OROGENIC-TYPE GOLD DEPOSITS

The MRNQ has recently published (Lamothe, 2008) an evaluation the potential for **orogenic Au** mineralization in James Bay (EP-2008-01). The assessment was carried out using several criteria listed in **appendix 3** under the reference for document EP-2008-01. This author classified all known James Bay mineral occurrences according

deposit type, including orogenic. Over 114 targets for orogenic gold deposits were suggested. On the Yasinski property, only the **Lac Atikamakuch-588** occurrence was classified as orogenic gold, considered as **gold-bearing iron formation**.

Almost all of the Yasinski property was included within the potential range of orogenic gold deposits, with the exception of the southeastern corner of the property (**figure 10**).



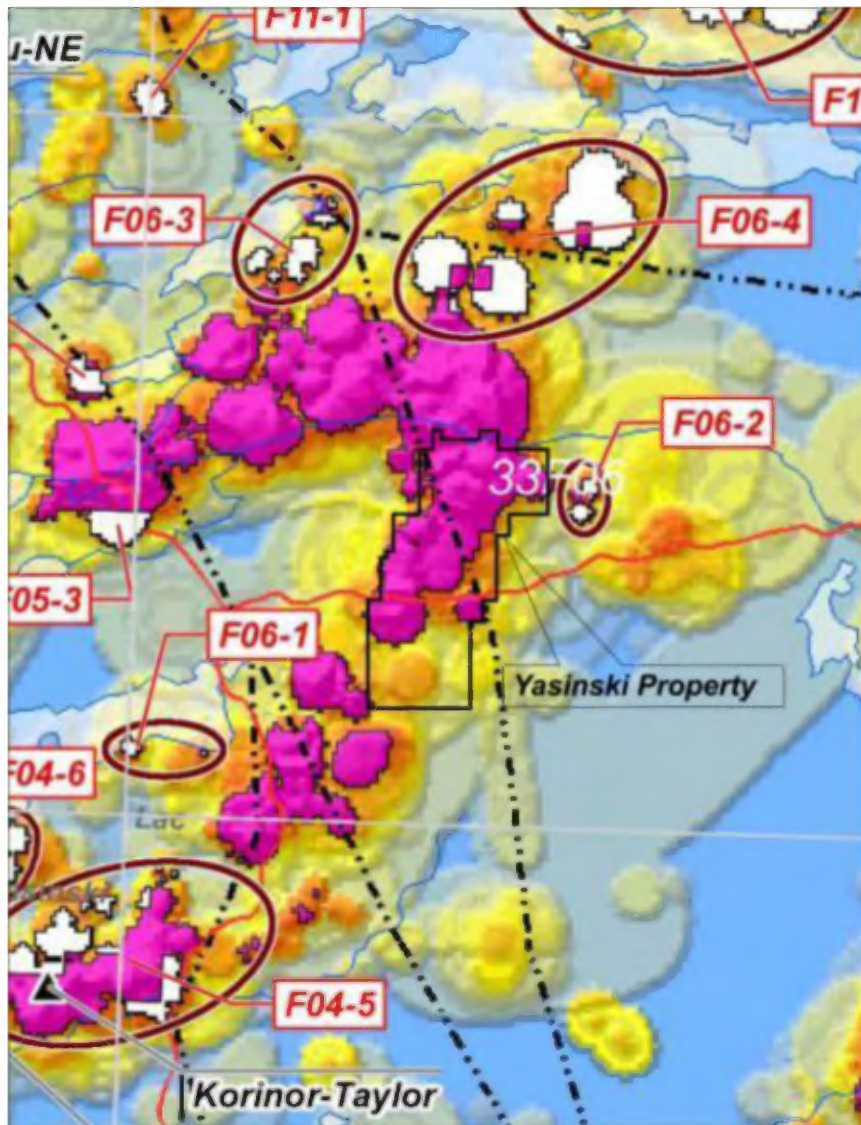
**Figure 10:** Potential areas (violet color) and targets (F3-3, F6-2) identified for Orogenic-type gold deposits in the Lac Yasinski area included the Yasinski property area (yellow contours). Modified from Lamothe, 2008 (EP 2008-01).

The area with potential for orogenic gold also covers the entire complex of intermediate to felsic rocks of the Yasinski Group west of the property (*Aya4*, **map 1**). One of the suggested target, F6-2, is located in the extreme southwest of the property. It covers in part the intermediate to felsic rocks to the west (*Aya4*) and the mafic rocks, iron formation and metasediments to the east (*Aya 3*). This area remains unexplored. One other identified target, F6-3, is located outside the western boundary of the property, following the Trans-Taiga Road. This target covers the western limit of the greenstone belt. These two targets are included in the targets identified in this compilation report.

The protocol to select favorable area for orogenic gold potentiality has not been review by the author, and these recommendations are presented as they were in **appendix 3b**, without criticism or further evaluation.

### POTENTIAL FOR PORPHYRY-TYPE GOLD DEPOSITS

The MRNQ has recently published another paper (Lamothe, 2009) on the mineral potential of James Bay, evaluating the potential for **Cu-Au, +/-Mo porphyry type** mineralization (EP 2009-01). The proposed targets were defined based on criteria and a number of parameters listed in **appendix 3** under the reference for document EP 2009-01. All known James Bay mineral occurrence were examined and classified based on deposit type, including porphyry Cu-Au. Over 198 targets or areas favourable for porphyry-type Au-Cu-Mo were suggested. The area north of the Trans-Taiga Road on the Yasinski property is indicated as highly favourable to host such type of mineralization (**figure 11**), without specifying accurate targets.

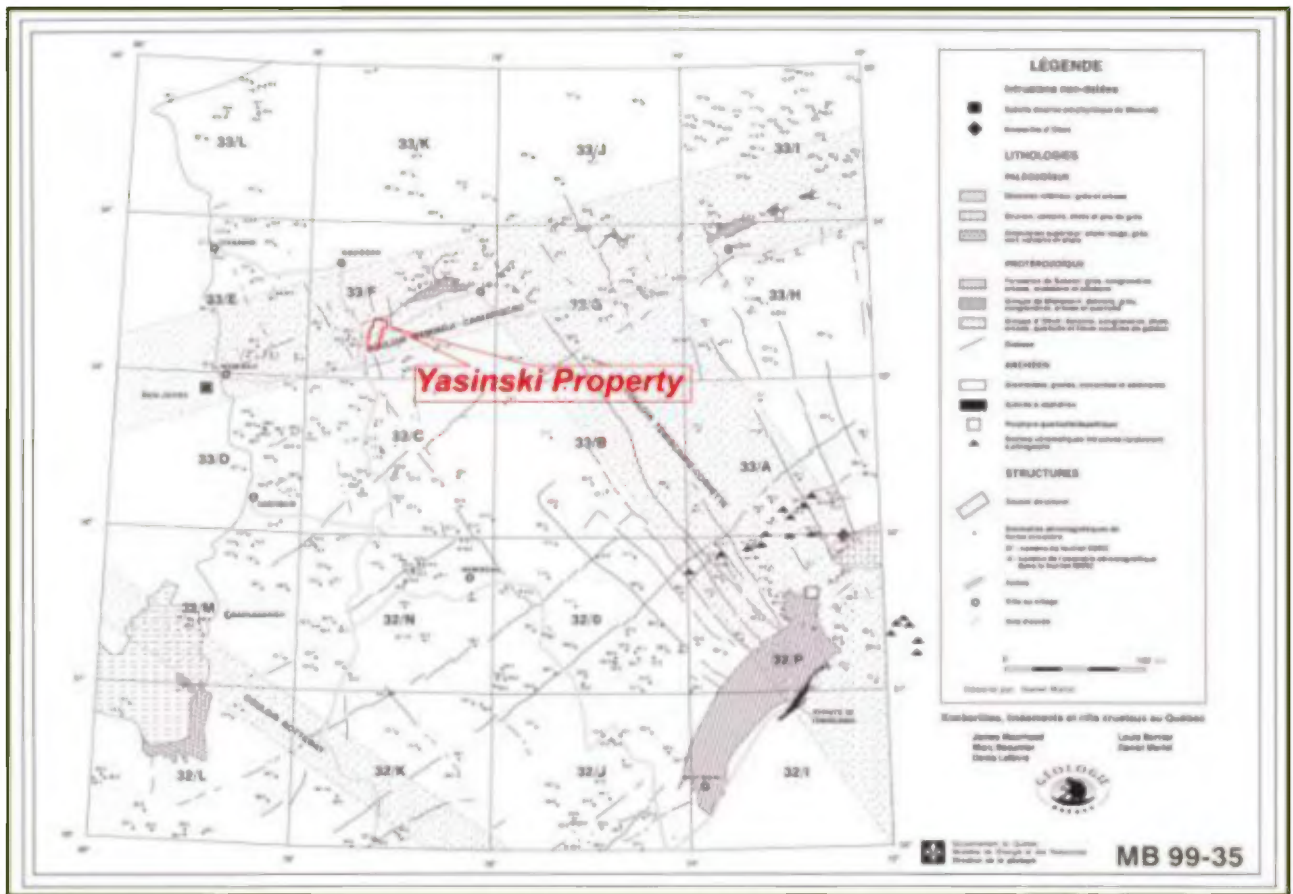


**Figure 11:** Potential areas (in violet) and targets (F04-5, F06-2) identified for porphyry-type gold deposits (Au-Cu, +/- Mo) in the Lac Yasinsky area included Yasinsky property (in black contour). Modified from Lamothe 2009 (EP-2009-01).

The protocol to select favorable area for Cu-Au-Mo porphyry remobilisation potentiality has not been review by the author, and these recommendations are presented as they were in **appendix 3b**, without criticism or further evaluation.

POTENTIAL FOR DIAMOND-BEARING KIMBERLITES

The MRNQ published a study in 1999 characterising the tectonic corridors enclosing diamond-bearing kimberlites in the Archean to document the corridors and to determine the potential of the newly discovered diamond bearing corridors (MB 99-35). The Yasinski property is almost completely in the Wemindji-Caniapiscau structural corridor oriented east-north-east/west-south-west (**figure 12**). Even though this corridor is present on the property, there are no circular magnetic anomalies that could define a target. The author does not consider these as reliable exploration targets.



**Figure 12:** Kimberlites, lineaments and crustal rifts in Québec, including the Lac Yasinski area (red contour). Modified from Moorhead et al., 1999 [MB 99-35]

Ultramafic pyroclastite or conglomerate were reported in adjacent properties, such as Pro-Or and Dianor Exploration. Such conglomerates are apparently similar to the ones on Dianor’s Leadbetter property, in the Wawa area, Ontario, which are reported as

diamondiferous. An unusual proportion of fancies<sup>7</sup> were reported in the James Bay property, very similar to the ones from Wawa. The author personally evaluated these conglomerates, and has not been capable to replicate these results, which are considered as doubtful at the best.

No effort shall be dedicated to diamond exploration within Yasinski property.

## TARGETS RECOMMENDED FROM THE CURRENT COMPILATION

***Various exploration targets are suggested from the present compilation, many of them being area considered as underexplored. However, considering the complexity of the geological setting combined, the abundance of geophysical work and the presence of numerous although small poorly documented mineral occurrences, the author recommends that a systematic ground mapping and prospecting program being implemented prior to initiate more costly exploration work.***

Several exploration targets were identified by the author on Yasinski property. The targets were selected by paucity of exploration work compared to the presence of anomalies of favorable settings. Used criteria were:

1. Favourable geology for a variety of deposit types within a poorly explored area (priority 1);
2. Unaccounted electromagnetic anomalies coincident with magnetic anomaly. This conjunction recognised as favourable for indicating the presence of massive pyrrhotite (priority 1);
3. Underexplored lateral extension of a stratigraphic and/or tectonic horizon, known as being mineral bearing (priority 1);
4. Unaccounted electromagnetic anomalies devoid of magnetic signature, located in a favourable geological setting (priority 2);
5. Recommended areas for orogenic Au and porphyry Au-Cu+/-Mo (priority 3).

Geochemical data compiled from rocks (litho-geochemistry, excluding exploration assays), soils, lake-bottom and stream sediments, were not much considered in selecting exploration targets, due their paucity and lack of outstanding anomaly, as seen on **maps 2 to 8**.

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<sup>77</sup> Colored diamonds

Targets identified on the property are described in **table 4** and located on **map 9**. Some recommendations of work are tentatively offered, based upon our understanding of the historical work. However, it is strongly recommended that a field program consisting of revisiting the known occurrence, systematic mapping and prospecting be initiated prior to conduct any direct exploration work. The level of complexity and the disparity of the currently available work make it difficult to assess the property without visiting these. The proposed exploration work, such as eventual geophysics or drilling, will have to be reviewed in the light of the field examination. It is recommended that such field program be planned for 2 months, for a 2 geologists (including the author) and 2 assistants team, for an approximate budget of \$250 000 all inclusive.

Target #	References	Characteristics	Priority	Recommendations
1 Centre-North	Occurrences along NW-SE fault: Instrument Knoll (IK) -Lac Yasinski-NE- Anomaly 14 - Gasosabeekatch - Platinum-8801 and gold drill holes: 1400N, 1800N, 2550N, 2600N 3600N and 2800N	<ul style="list-style-type: none"> <li>NW-SE fault at N340° with gold mineralization;</li> <li>Major breaks affecting rocks, faults concordant, mineralization concordant, including the tonalite to the east;</li> <li>The greatest concentration and most diverse Au (Ag, Cu, Ni, PGE, As) showings found on the property;</li> <li>Structure poorly explored, mostly to the northeast and southwest in the tonalite;</li> <li>Area of IK showing little explored, no outcrops, EM conductor + mag anomalies are masked under overburden (OB);</li> <li>Potential area for porphyry -type Au-Cu+/-Mo and orogenic Au mineralizations</li> </ul>	1	<ul style="list-style-type: none"> <li>2.5 km x 2.5 km grid centred on NW-SE valley geology + soil and till geochemistry, + geophysics (mag, HLEM, IP, VLF, BeepMat) + prospecting + sampling;</li> <li>Mapping and describing mineralization;</li> <li>Drilling of targets;</li> <li>Enlarge the property to the NW and SE if warranted</li> </ul>
2 South	EM anomaly axis #: 1, 2, 3, 4, 5, 6, 7, 8, 10, 13, MA-10 axis and radiometric U axis (see map 1)	<ul style="list-style-type: none"> <li>Superimposed EM-INPUT, VTEM, Mag and U anomalies;</li> <li>No drilling, little or no outcrop, few (or too localised)analysed samples;</li> <li>Extension possible to the south of Atikamakuch (Au), Atsynia (Ag) and Anomaly 4-26 showings (Ag);</li> <li>Unexplored andesite complex + felsic rocks to the west (hidden felsic centre?) in contact with metasediments, iron formations and basalt;</li> <li>Folded and faulted rocks</li> <li>Orogenic Au targets F6-2 and F6-3, and potential area for porphyry -type Au-Cu+/-Mo and orogenic Au mineralizations</li> </ul>	1	<ul style="list-style-type: none"> <li>VLF EM-16, BeepMat and scintillometer prospecting of identified geophysical axes;</li> <li>Rock and till/soil sampling and analysis in areas with few outcrops if mineralization and/or good mineral potential is found;</li> <li>Enlarge the property west of the Trans-Taiga Road to cover target F06-03</li> </ul>

Target #	References	Characteristics	Priority	Recommendations
3 Centre and North	EM anomaly axis #: 15, 18, 19, 21, 23, 24, 27 and 28	<ul style="list-style-type: none"> <li>• Superposed EM-INPUT, VTEM and Mag anomalies;</li> <li>• No drilling or too far apart, no outcrops, no analysed samples;</li> <li>• Favourable geology for various types of deposits, including volcanogenic polymetallic massive sulphides;</li> <li>• Folded and faulted rocks</li> </ul>	2	<ul style="list-style-type: none"> <li>• VLF EM-16, BeepMat and scintillometer prospecting of identified geophysical axes;</li> <li>• Rock and till/soil sampling and analysis in areas with few outcrops if mineralization and/or good mineral potential is found</li> </ul>

**Table 4:** Proposed targets.

## CONCLUSIONS

***The LaGrande Archean volcanoplutonic belt has numerous similarities with other small although productive archean greenstone belts, such as in South-Africa or Australia. The geological complexities, with numerous volcanic-erosion cycles, the presence of unconformities and sharp metamorphic gradients are considered as prospective metallotects, warranting further exploration efforts.***

Based on the compilation of numerous geological survey and mining exploration work carried out on the Augyva's Yasinski property of since 1959, it is concluded that the mineral potential of this mining property justify to resume exploration work. The coexistence of a complex volcanoplutonic system including multiple volcanic-sedimentary cycles, the presence of multiple mineralized system and favorable geological settings, including various type of gold metallotect, combined with the various type of geophysical anomalies many of them unaccounted for, is obviously indicative of the potential mineral endowment within the property. This complex association of metallogenic context in small Archean greenstone belt can be compared to other prolific mining district, such as those in South-African or Pilabara cratons. Comparison with Abitibi area would however be hazardous, this area being composed by substantially larger geological entities, with lesser complexity. Also, it shall be bear in mind that, up to now, only local occurrences and a few mineral prospects were defined in the northern segment of the LaGrande sub-Province, and that no economic deposit has been discovered yet. So, the possibility that only prospect could be existing in the Yasinski belt regardless of exploration investment shall kept in mind, such as in the Temagami belt in Ontario.

The complexity of the geological setting and the value of the known mineral occurrences are difficult to properly address only from historical work compilation. It is therefore recommended that, prior to initiate complex and expensive exploration efforts, that the property being re-evaluated in the field by a properly trained geologist.

From the compilation work, three areas were identified as more promising and thus targets for future exploration campaigns. This mineral potential is especially true for gold mineralization and, to some extent, for silver, copper, nickel and platinum group minerals. Epigenetic gold is considered as the most promising avenue.

Most of the significant mineralization (Au, Ag, Cu, Ni, PGE) are epigenetic and related to major concordant shearing located near late discordant folds and/or faults accompanied

by hydrothermal activity and sulphides (py, po, cp, sp, gl, pd, asp). This significant mineralization is associated with one or more of the following rock types:

1. Iron formations (silicates, oxides and sulphides);
2. Intermediate to felsic volcanic rocks (ash, lapilli and blocky tuffs, dykes, QFP);
3. Mafic rocks rich in large amphiboles and garnets (mafic tuff/mafic alterations);
4. Mafic-ultramafic intrusions (gabbro, pyroxenite, peridotite, dunnite).

The host rocks to the mineralization are deformed and usually highly altered (k+, bo+, sr+, si+, am+, cl+, cb+, fu+, to+, gr+), accompanied by mineralized quartz veins. Remobilization of pre-existing syngenetic remobilisation is likely in most instances.

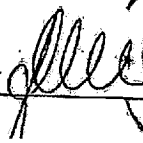

Our conclusions are mostly drawn from exploration work carried out in the centre-north part of the property by Noranda and groupe Platinum-Augyva partnership. Their reports mention that late structures oriented east-north-east, north-west and north-north-west, transect to stratigraphy and layering as well as to main structures oriented north-north-east/south-south-west could have contributed to gold mineralization, and other mineral enrichments, such as in the Lac Delta area and the Yasinski-NE occurrence. Secondary and epigenetic gold (< 59.6 g/t Au), silver (< 69.0 g/t Ag), copper (< 51% Cu), nickel (< 7.81% Ni) and PGE (up to 5.4 g/t Pd+Pt) enrichments are reported from the shear zones that intersect the mafic-ultramafic Menarik Complex within the neighboring Pro-Or property to the north. These occurrences support our conclusion in regard of Ysaniski mineral endowment, both properties sharing the same geological package.

Recent, 2009, revision of the mineral potential of James Bay by MRNQ geologists, encompassing the Yasinski property, focused on porphyry gold (Au-Cu +/- Mo) and orogenic gold (Au) deposits, suggested the favorable setting within the Yasinski property. One of these selected area covers the southwestern part of the property, containing a wide, little explored, intermediate to felsic volcanic rock complex (felsic centre possible) in contact with mafic rocks, iron formations (silicate-, sulphide-, oxide- and carbonate-facies) and metasedimentary rocks. These rocks show coincident electromagnetic and magnetic anomalies, potentially the signature of massive sulphides.

The prospectivity for base metals, such as copper and zinc, in a volcanogenic massive sulphide context and/or sulphide-bearing iron formation, has not been properly evaluated up to now. Although historical results are not encouraging, copper and zinc are commonly remobilized in secondary structures, and then associated with precious metals.



Chromium and nickel associated with ultramafic intrusions were also subjects of surface and drilling explorations with mixed results. The lack of thickness and continuity of the few chromium-rich drill intersections accounts for the disinterestment. Remind that Ressources Minières Pro-Or has mothball the development on its chromium deposit in the Menarik Complex (6.2 Mt to 7.69% Cr<sub>2</sub>O<sub>3</sub>), and that the current remobilisation were dwarf compared with the *Ring-Of-Fire* discovery in Ontario.

Respectfully submitted,

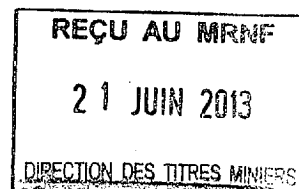
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**APPENDIX 1**  
CLAIMS LIST

NTS Sheet	Type of Title	Title No	Status	Date of Registration	Expiry Date	Number of Annual Terms	Number of Renewals	Area (ha)	Instruments or other	Excess Work	Required Work	Required Fees	Titleholder(s) (Name, Number and Percentage)	Renewal File Being	Work File Being	Mining Rights Transfer	Conversion or Substitution of Claims	Amalgamation of Claims
NTS 33F06	CDC	15487	Active	2004-03-05 00:00	2014-03-04 23:59	0	4	51,49	No	0	1800	126	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	No	No	Yes	No	No
NTS 33F06	CDC	15488	Active	2004-03-05 00:00	2014-03-04 23:59	0	4	51,49	No	0	1800	126	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	No	No	Yes	No	No
NTS 33F06	CDC	15489	Active	2004-03-05 00:00	2014-03-04 23:59	0	4	51,5	No	0	1800	126	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	No	No	Yes	No	No
NTS 33F06	CDC	56812	Active	2005-02-16 00:00	2015-02-15 23:59	0	4	51,48	No	0	1800	126	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	No	No	No	No	No
NTS 33F06	CDC	56813	Active	2005-02-16 00:00	2015-02-15 23:59	0	4	51,49	No	0	1800	126	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	No	No	No	No	No
NTS 33F06	CDC	56814	Active	2005-02-16 00:00	2015-02-15 23:59	0	4	51,49	No	0	1800	126	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	No	No	No	No	No
NTS 33F06	CDC	56815	Active	2005-02-16 00:00	2015-02-15 23:59	0	4	51,5	No	0	1800	126	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	No	No	No	No	No
NTS 33F06	CDC	58015	Active	2005-02-21 00:00	2015-02-20 23:59	0	4	51,49	No	0	1800	126	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	No	No	No	No	No
NTS 33F06	CDC	58016	Active	2005-02-21 00:00	2015-02-20 23:59	0	4	51,49	No	0	1800	126	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	No	No	No	No	No
NTS 33F06	CDC	58017	Active	2005-02-21 00:00	2015-02-20 23:59	0	4	51,49	No	0	1800	126	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	No	No	No	No	No
NTS 33F06	CDC	58018	Active	2005-02-21 00:00	2015-02-20 23:59	0	4	51,5	No	0	1800	126	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	No	No	No	No	No
NTS 33F06	CDC	62370	Active	2005-04-08 00:00	2013-04-07 23:59	0	3	51,51	No	0	1350	252	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	62371	Active	2005-04-08 00:00	2013-04-07 23:59	0	3	51,51	No	0	1350	252	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	62372	Active	2005-04-08 00:00	2013-04-07 23:59	0	3	51,51	No	0	1350	252	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	62373	Active	2005-04-08 00:00	2013-04-07 23:59	0	3	51,51	No	0	1350	252	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2010787	Active	2006-05-19 00:00	2014-05-18 23:59	0	3	51,52	No	0	1350	126	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	No	No	No	No	No
NTS 33F06	CDC	2010788	Active	2006-05-19 00:00	2014-05-18 23:59	0	3	51,52	No	0	1350	126	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	No	No	No	No	No
NTS 33F06	CDC	2010789	Active	2006-05-19 00:00	2014-05-18 23:59	0	3	51,52	No	0	1350	126	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	No	No	No	No	No
NTS 33F06	CDC	2010790	Active	2006-05-19 00:00	2014-05-18 23:59	0	3	51,52	No	0	1350	126	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	No	No	No	No	No
NTS 33F06	CDC	2010791	Active	2006-05-19 00:00	2014-05-18 23:59	0	3	51,5	No	0	1350	126	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	No	No	No	No	No
NTS 33F06	CDC	2010792	Active	2006-05-19 00:00	2014-05-18 23:59	0	3	51,5	No	0	1350	126	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	No	No	No	No	No
NTS 33F06	CDC	2010793	Active	2006-05-19 00:00	2014-05-18 23:59	0	3	51,5	No	0	1350	126	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	No	No	No	No	No
NTS 33F06	CDC	2050690	Active	2007-01-24 00:00	2015-01-23 23:59	0	3	51,53	No	0	1350	126	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	No	No	No	No	No
NTS 33F06	CDC	2050691	Active	2007-01-24 00:00	2015-01-23 23:59	0	3	51,53	No	0	1350	126	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	No	No	No	No	No
NTS 33F06	CDC	2050692	Active	2007-01-24 00:00	2015-01-23 23:59	0	3	51,53	No	0	1350	126	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	No	No	No	No	No
NTS 33F06	CDC	2050693	Active	2007-01-24 00:00	2015-01-23 23:59	0	3	51,53	No	0	1350	126	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	No	No	No	No	No
NTS 33F06	CDC	2050694	Active	2007-01-24 00:00	2015-01-23 23:59	0	3	51,53	No	0	1350	126	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	No	No	No	No	No
NTS 33F06	CDC	2050695	Active	2007-01-24 00:00	2015-01-23 23:59	0	3	51,53	No	0	1350	126	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	No	No	No	No	No
NTS 33F06	CDC	2050696	Active	2007-01-24 00:00	2015-01-23 23:59	0	3	51,52	No	0	1350	126	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	No	No	No	No	No
NTS 33F06	CDC	2050697	Active	2007-01-24 00:00	2015-01-23 23:59	0	3	51,52	No	0	1350	126	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	No	No	No	No	No
NTS 33F06	CDC	2050698	Active	2007-01-24 00:00	2015-01-23 23:59	0	3	51,51	No	0	1350	126	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	No	No	No	No	No

NTS Sheet	Type of Title	Title No	Status	Date of Registration	Expiry Date	Number of Annual Terms	Number of Renewals	Area (ha)	Instruments or other	Excess Work	Required Work	Required Fees	Titleholder(s) (Name, Number and Percentage)	Renewal File Being	Work File Being	Mining Rights Transfer	Conversion or Substitution of Claims	Amalgamation of Claims
NTS 33F06	CDC	2050699	Active	2007-01-24 00:00	2015-01-23 23:59	0	2	51,51	No	0	1350	126	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	No	No	No	No	No
NTS 33F06	CDC	2072835	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	0,01	No	0	320	55,5	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072836	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	0,72	No	0	320	55,5	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072837	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	7,43	No	0	320	55,5	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072838	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	0,56	No	0	320	55,5	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072839	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	5,74	No	0	320	55,5	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072928	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	51,53	No	501,26	900	252	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072929	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	51,53	No	501,26	900	252	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072930	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	51,52	No	51,05	900	252	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072931	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	51,51	No	50,84	900	252	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072932	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	51,51	No	500,84	900	252	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072933	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	51,5	No	500,63	900	252	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072934	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	51,5	No	500,63	900	252	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072935	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	51,49	No	395,62	900	252	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072936	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	51,49	No	0	900	252	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072938	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	51,48	No	72,08	900	252	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072941	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	51,47	No	0	900	252	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072944	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	51,46	No	0	900	252	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072947	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	51,45	No	0	900	252	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072950	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	51,44	No	357,48	900	252	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072971	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	51,43	No	21,87	900	252	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072974	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	51,42	No	0	900	252	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072978	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	39,38	No	104,59	800	200	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072979	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	6,37	No	0	320	55,5	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072980	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	6,55	No	0	320	55,5	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072981	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	6,93	No	0	320	55,5	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072982	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	37,63	No	273,25	800	200	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072983	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	45,9	No	382,58	900	224	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072984	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	40,33	No	330,16	800	200	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072985	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	27,78	No	65,61	800	200	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072986	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	16,98	No	149,94	320	55,5	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No

NTS Sheet	Type of Title	Title No	Status	Date of Registration	Expiry Date	Number of Annual Terms	Number of Renewals	Area (Ha)	Instruments or other	Excess Work	Required Work	Required Fees	Titleholder(s) (Name, Number and Percentage)	Renewal File Being	Work File Being	Mining Rights Transfer	Conversion or Substitution of Claims	Amalgamation of Claims
NTS 33F06	CDC	2072987	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	37,05	No	261,02	800	200	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072988	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	17,78	No	24,1	320	55,5	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072989	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	51,27	No	495,78	900	252	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072990	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	9,5	No	0	320	55,5	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072991	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	10,67	No	0	320	55,5	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072992	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	26,15	No	0	800	200	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072993	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	0,29	No	0	320	55,5	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072994	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	46,08	No	57,59	900	224	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072995	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	37,38	No	0	800	200	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072996	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	2,96	No	0	320	55,5	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072997	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	33,42	No	0	800	200	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072998	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	37,56	No	0	800	200	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2072999	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	28,21	No	74,67	800	200	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2073000	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	51,15	No	493,25	900	252	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2073001	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	49,67	No	0	900	224	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2073003	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	20,45	No	223,09	320	55,5	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2073004	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	31,46	No	143,18	800	200	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2073005	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	5,04	No	0	320	55,5	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2073006	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	35,35	No	225,19	800	200	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2073007	Active	2007-04-02 00:00	2013-04-01 23:59	0	2	17,83	No	0	320	55,5	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2073345	Active	2007-04-03 00:00	2013-04-02 23:59	0	2	8,75	No	0	320	55,5	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2073346	Active	2007-04-03 00:00	2013-04-02 23:59	0	2	2,41	No	0	320	55,5	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2073347	Active	2007-04-03 00:00	2013-04-02 23:59	0	2	3,52	No	0	320	55,5	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2073348	Active	2007-04-03 00:00	2013-04-02 23:59	0	2	2,94	No	0	320	55,5	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2156109	Active	2008-05-29 00:00	2014-05-28 23:59	0	2	51,52	No	0	900	126	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	No	No	No	No	No
NTS 33F06	CDC	2258568	Active	2010-12-17 00:00	2014-07-12 23:59	0	1	5,58	No	0	160	27,75	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	No	No	No	No	No
NTS 33F06	CDC	2258569	Active	2010-12-17 00:00	2014-07-12 23:59	0	1	11,16	No	0	160	27,75	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	No	No	No	No	No
NTS 33F06	CDC	2258611	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	51,43	No	13535	2085,37	82,19	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258612	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	51,44	No	13537	2085,77	82,19	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258613	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	51,44	No	13537	2085,77	82,19	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258614	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	51,44	No	13537	2085,77	82,19	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No

NTS Sheet	Type of Title	Title No	Status	Date of Registration	Expiry Date	Number of Annual Terms	Number of Renewals	Area (ha)	Instruments or other	Excess Work	Required Work	Required Fees	Titleholder(s) (Name, Number and Percentage)	Renewal File Being	Work File Being	Mining Rights Transfer	Conversion or Substitution of Claims	Amalgamation of Claims
NTS 33F06	CDC	2258615	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	51,44	No	13537	2085,77	82,19	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258616	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	51,45	No	13540	2086,18	82,21	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258617	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	51,45	No	13540	2086,18	82,21	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258618	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	51,45	No	13540	2086,18	82,21	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258619	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	51,46	No	13542	2086,58	82,22	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258620	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	51,46	No	13542	2086,58	82,22	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258621	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	51,46	No	13542	2086,58	82,22	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258622	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	51,47	No	13545	2086,99	82,24	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258623	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	51,47	No	13545	2086,99	82,24	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258624	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	51,42	No	13532	2084,96	82,16	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258625	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	51,42	No	13532	2084,96	82,16	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258626	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	51,42	No	13532	2084,96	82,16	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258627	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	51,42	No	13532	2084,96	82,16	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258628	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	51,42	No	13532	2084,96	82,16	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258629	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	32,72	No	8610,8	1326,72	52,28	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258630	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	47,41	No	12477	1922,37	75,75	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258631	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	51,47	No	13545	2086,99	82,24	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258632	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	51,43	No	13535	2085,37	82,17	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258633	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	3,27	No	860,55	132,6	5,23	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258634	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	7,1	No	1868,5	287,89	11,35	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258635	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	3,49	No	918,45	141,52	5,58	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258636	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	24,86	No	6542,3	1008,02	39,72	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258637	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	6,8	No	1789,5	275,73	10,87	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258638	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	25,05	No	6592,3	1015,72	40,03	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258639	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	12,68	No	807,92	124,49	4,91	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258640	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	33,59	No	8839,7	1362	53,67	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258641	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	16,08	No	4231,7	652,01	25,69	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258642	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	1,77	No	465,8	71,77	2,82	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258643	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	46,39	No	12208	1881,01	74,11	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258644	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	19,97	No	5255,4	809,74	31,9	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258645	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	30,98	No	8152,8	1256,17	49,49	Ressources Minières Augvya inc. (Augvya Mining Resources) (2155) 100 % (responsible)	Yes	No	No	No	No

NTS Sheet	Type of Title	Title No	Status	Date of Registration	Expiry Date	Number of Annual Terms	Number of Renewals	Area (ha)	Instruments or other	Excess Work	Required Work	Required Fees	Titleholder(s) (Name, Number and Percentage)	Renewal File Being	Work File Being	Mining Rights Transfer	Conversion or Substitution of Claims	Amalgamation of Claims
NTS 33F06	CDC	2258646	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	0,29	No	76,31	11,75	0,46	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258647	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	23,23	No	6113,3	941,92	37,11	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258648	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	13,03	No	3429	528,33	20,81	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258649	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	48,49	No	12761	1966,15	77,47	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258650	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	25,31	No	6660,7	1026,25	40,43	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258651	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	0,01	No	2,63	0,4	0,01	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258652	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	51,4	No	13527	2084,14	82,12	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258653	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	0,2	No	52,63	8,1	0,31	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258654	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	33,69	No	8966	1366,04	53,82	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258655	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	13,85	No	3644,8	561,58	22,12	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258656	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	44,56	No	11727	1805,8	71,19	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258657	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	44,93	No	11824	1821,8	71,78	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258658	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	33,9	No	8921,3	1374,56	54,16	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258659	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	5,89	No	1550	238,82	9,41	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258660	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	14,42	No	3794,8	584,69	23,03	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258661	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	40,8	No	10737	1654,34	65,18	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258662	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	41,68	No	10969	1690,02	66,59	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258663	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	34,5	No	9079,2	1398,89	55,11	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258664	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	23,7	No	6237	960,97	37,86	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258665	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	5,38	No	1415,8	218,14	8,59	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258666	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	14,08	No	3705,4	570,91	22,49	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258667	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	42,7	No	11237	1731,38	68,22	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258668	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	13,88	No	3652,7	562,8	22,17	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258669	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	49,03	No	12903	1988,04	78,33	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258670	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	47,91	No	12608	1942,63	76,54	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258671	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	48,48	No	12758	1965,74	77,45	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258672	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	40,3	No	10606	1634,06	64,38	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258673	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	50,86	No	13385	2062,25	81,25	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258674	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	45,68	No	12021	1852,21	72,98	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258675	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	50,72	No	13348	2056,57	81,03	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No
NTS 33F06	CDC	2258676	Active	2010-12-17 00:00	2013-05-21 23:59	0	0	44	No	11579	1784,09	70,29	Ressources Minières Augvya inc. (Augvya Mining Resources) (21551) 100 % (responsible)	Yes	No	No	No	No

## **APPENDIX 2**

### **COMPLETE INFORMATION ON THE SHOWINGS (SIGEOM)**

NAME SHOWING & YEAR DISCOVERED	WORKED ?	UTM X (NAD 83)	UTM Y (NAD 83)	COMPANY	ORE TYPE	SIZING OF MINERALIZATION	MINERALIZATION
Butte de l'Instrument or Instrument Knoll Anomaly 4-23 (1959)	Not worked or Showing	346024	5915721	Main Exploration Ltd	TYPE III: Sulfide iron formation +/- Cu-Zn-Ni-Pb-Ag-Au or TYPE XIII: Tardi tectonic Polymétalliques quartz veins Cu-Zn-Pb-Ag-Au (+/-Ni)	Regular veins sizing 0.25m in width by several dozen meters long	1) disseminated sulfides; 2) thin massive pyrite veins and laminates; 3) arsenopyrite in quartz-graphite veins
Anomaly 4-26 (1959)	Not worked Showing	343285	5912170	Main Exploration Ltd	TYPE XIII: Tardi tectonic Polymétalliques quartz veins Cu-Zn-Pb-Ag-Au (+/-Ni)	Mineralization is within irregular vein observed over 12.2m long which dimension is unknow	Mineralization of unknown distribution, which consists of chalcopryrite associated with quartz and graphite.
Lac Atikamakuch-S71 (1997)	Not worked Showing	343224	5910027	Explorateurs Innovateurs	TYPE XIII: Tardi tectonic Polymétalliques quartz veins Cu-Zn-Pb-Ag-Au (+/-Ni)	Concordant vein oriented NS within EM conductive horizon measured by about 1 m wide by 200 m long oriented [180/99]	Discontinuous quartz vein with about 5% disseminated pyrrhotite
Lac Atikamakuch-S88 (1997)	Worked showing	343891	5910845	Explorateurs Innovateurs	TYPE VI: Stratiform Au-Ag disseminated sulfides minéralisation within silicate and oxydes facies iron formation + remobilisation of sulfides into shear zone and fold hinge	The mineralization is in conductor horizon oriented approximately NS and by 1-3 m wide and 30-100 m in length oriented [180/99]	About 10% massive pyrrhotite veinlets stockwork in host rocks
Lac Gasosabeekatch/Lac Ultra (1959)	Worked showing	345332	5912624	Main Exploration Ltd	TYPE V: +/- Cu-Zn-Pb-Au-Ag Volcanogenic massive sulfides associated with felsique volcanic rocks or and TYPE XIII: Tardi tectonic Polymétalliques quartz veins Cu-Zn-Pb-Ag-Au (+/-Ni)	Measure 2.0 km long concordant to the bedding rocks oriented [180/85]	The massive and disseminated mineralization consists of pyrrhotite, chalcopryrite, magnetite, sphalerite, galena, pyrite and nickel sulphide. Flakes of native copper are also observed. The mineralization is associated with actinolite, apatite and graphite. In the NE sector the ultramafic host rock contains 1 to 2% chalcopryrite and pyrrhotite and a little magnetite veinlets or disseminated. These minerals are associated with the serpentine, talc, tremolite and carbonate.
Cr-12-14 (1990)	Worked showing	347233	5917751	Ressources minières Pro-Or inc.	TYPE IX: Magmatic Cr-PGE Minéralization within mafic ultramafic rocks	The dimension is unknow	Disseminated and massive chromite with lesser amounts of magnetite and pyrrhotite associated with serpentine, talc, carbonate and tremolite.
Lac Yasinski-NE (1989)	Prospect with tonnage evaluation	346265	5914680	Ressources minières Platinoir inc.	TYPE VII: Au-Ag-As, +/-Cu-Zn-Pb stratiform gold minéralisation associated with altered mafic flow top	The gold zone has been traced over a strike length of 250 m, a horizontal width of 125 m near the surface to a depth of 110 m. It seems to follow the general direction of lithologies is N210-220, with a dip steeply to the northwest (80-85°). Some mineralized quartz veins are oriented N340-350	Gold is associated with varying amounts of disseminated arsenopyrite and pyrrhotite, with minor amounts of pyrite, sphalerite and chalcopryrite and traces of galena. Quartz veins contain tourmaline, chlorite and amphibole. In these minerals are associated actinolite, biotite and garnet. The mineralization is associated with shear zones and quartz veins.

NAME SHOWING & YEAR DISCOVERED	WORKED ?	UTM X (NAD 83)	UTM Y (NAD 83)	HOST ROCKS	ALTERATION	ASSAYED
Butte de l'Instrument or Instrument Knoll Anomaly 4-23 (1959)	Not worked Showing	346024	5915721	The mineralization is associated with quartz vein which is somewhat distorted within impure graphitic quartzite and iron formation close to contact with basalt.		Grab samples (GM 10200) : 49,37 g/t Ag ; 14,4 g/t Ag et 0,69 g/t Au.
Anomaly 4-26 (1959)	Not worked Showing	343285	5912170	The mineralization is associated with quartz vein within quartzite.		Grab samples (GM 10200) : 8,23 g/t Ag.
Lac Atikamakuch-571 (1997)	Not worked Showing	343224	5910027	Concordant quartz vein within silicate and sulfide facies iron formation.	Calcitisation (cc+)	Grab samples (GM 55997) : 521571 : 1,5 g/t Au
Lac Atikamakuch-588 (1997)	Worked showing	343891	5910845	The mineralization is concordant into anthophyllite-garnet-bearing sulphide-magnetite iron formation within sequence of tuff, and close to garnet -bearing aphanitic basalt.	sericitisation (sr+) and silicification (sl+)	Grab samples (GM 55997) : 521588 : 2,3 g/t Au ; -Channel sample in trench (GM 55998) : 627536 : 350 ppb Au sur 1,4 m ; 627530 : 2382 ppb Au (5 kg de fragments) ; Drill hole (GM 55998) : IN-97-10 : 500 ppb Au sur environ 2 m.
Lac Gasosabeeatch/Lac Ultra (1959)	Worked showing	345332	5912624	The host rock of mineralisation is a breccias-flow type basalt interbedded with intermediate tuffs, iron formations and lenses of conglomerate intruded by gabbro sills. Approximately 400 m NE, there is a differentiated and banded pyroxenite and serpentinized peridotite sills.	Rusty, serpentinized (sr+), talcitized (tc+), carbonatized (cb+), tremolitized (tm+)	Grab samples (GM 48682) : 6,5% Cu, 26 g/t Ag et 1,93 g/t Au ; 8845 (Lac Ultra, 400 m au NE, ancienne fiche #12) : 0,52% Cu ; 8861 (Lac Ultra) : 1 g/t Pd ; -Drill hole (GM 50438) : 1400N-1 : 2,61% Cu, 38 g/t Ag et 7,33 g/t Au sur 0,2 m.
Cr-12-14 (1990)	Worked showing	347233	5917751	Chromite mineralization is within chromitite levels of serpentinized peridotite of Menarik complex . Peridotite is hosted in sheared metabasalts.	Rusty, serpentinized (sr+), talcitized (tc+), carbonatized (cb+), tremolitized (tm+)	Grab samples from surface and in drill holes (GM 48682) : 15,9% Cr ; 24,4% Cr ; Cr-12 : 19,35% Cr (28,28% Cr2O3) sur 1,7 m.
Lac Yasinski-NE (1989)	Prospect with tonnage evaluation	346265	5914680	Gold mineralization is within tuffaceous rocks of basic to intermediate composition, amphibolitized and foliated, near the contact with felsic also tuffaceous nature. The "mafic tuff" are rich rocks biotite, chlorite and amphibole, which probably represent mafic volcanics, tuffs, breccias and flows, altered and metamorphosed from greenschist to lower amphibolite facies . The "felsic tuffs" are biotite schists and amphibole.	Silicified (sil+), biotitization (bo+)	Grab samples (GM 50180) : 5,67 g/t Au ; -from drill holes (GM 50437 et 50517) : 2100N-1 : 2,9 g/t Au et 38,9 g/t Ag sur 2,35 m ; 2050N-2 : 7,67 g/t Au sur 2,1 m ; 2050N-1 : 5,01 g/t Au sur 3,15 m ; 3,06 g/t Au sur 2,15 m ; 2100N-4 : 2,77 g/t Au sur 1,35 m ; 10,18 g/t Au sur 0,2 m ; 2050N-3 : 2,21 g/t Au sur 1,9 m ; -Grab samples (GM 48682) : 8801 : 12,4 g/t Au et 1 g/t Ag ; 8853 : 5,5 g/t Au et 6,5% Cu ; 8814 : 1,9 g/t Au et 26 g/t Ag.

NAME SHOWING & YEAR DISCOVERED	WORKED ?	UTM X (NAD 83)	UTM Y (NAD 83)	COMPANY	ORE TYPE	SIZING OF MINERALIZATION	MINERALIZATION
3700N-1 (1990)	Worked showing	347377	5916207	Ressources minières Platinor Inc.	TYPE IX: Magmatic Cr-PGE Minéralisation within mafic ultramafic rocks	Overall size of the prospect of chromium is not known. However, the mineralization of economic interest was intersected between 147.8 and 168.8 m depth in hole No. 3700n-1.	The mineralization occurs in three forms (Houle, 1998): 1) chromitite and olivine (> 50% chromite) in massive beds of 30 cm to 1 m thick; 2) chromite dunite (5-50% chromite) in homogeneous beds 5 to 30 cm thick; 3) rhythmic chromitic dunite (<5% chromite) with massive chromitic beds and / or chromite in dunite beds less than 3 cm thick. The PGE mineralization is syngenetic inclusions in chromite grains or associated with sulphides in silicate nodules included in the beds of chromite. The mineralization consists mainly of chromite which are associated with magnetite and pyrrhotite.
Lac Atskyia or Talc Lake showing (1959)	Not worked Showing	345768	5911029	Main Exploration Ltd	TYPE XIII: Tardi tectonic Polymétalliques quartz veins Cu-Zn-Pb-Ag-Au (+/-Ni)	Dimension is unknown	Mineralization of unknown distribution, consists of pyrite, pyrrhotite and chalcopyrite with associated quartz and graphite.
Platinor-8801 (1990)	Not worked Showing	346609	5914439	Ressources minières Platinor Inc.	TYPE XII: Au-Ag-As, +/-Cu mineralization associated with gabbro of Menarik Complex	The vein reaching 1.0 to 2.0 m in width by 5.0 m long oriented N-S (180/89)	The gold mineralization is found in a quartz vein with tourmaline, chlorite, sericite, pyrite, arsenopyrite and silver minerals
Anomalie 14 (1989)	Not worked Showing	346932	5915188	Mines et Explorations Noranda Ltée	TYPE VII: Au-Ag-As, +/-Cu-Zn-Pb stratiform gold minéralisation associated with altered mafic flow top	Dimension is unknown	Quartz veins are mineralized with arsenopyrite, pyrite, chalcopyrite, sphalerite and galena associated with actinolite, biotite and garnet
Hole 54427 (1976) located southern margin of the property	Not worked Showing	343801	5906002	Canadian Nickel Company	Pyriteous uranium deposit within quartz pebble conglomerate	?	The uranium mineralisation is concordant and characterized by disseminated and laminated pyrite within conglomerate
Cr-13 regrouped Cr-13, Cr-09, Cr-10 and 5-2 showings (1988) located at north margin of property	Worked showing	346301	5917996	Ressources minières Platinor	TYPE IX: Magmatic Cr-PGE Mineralisation within mafic ultramafic rocks and TYPE XI: Remobilized Cu-Ni-Co EGP, +/-Au	The chromium mineralized zone consists of massive bedded bancs measuring 0.4m to 3.0 m in width by 20.0 m in length oriented (230/70)	Chromite mineralization is disseminated and massive chromite with lesser amounts of magnetite. Cupro-nickel mineralization occurs as veinlets and consists of pyrrhotite, chalcopyrite and pentlandite associated with serpentine, talc, carbonate and tremolite.
4930N-1 included showing 5100N-1 (1990 GM 50437)	Worked showing	347874	5916997	Ressources minières Platinor Inc.	TYPE IX: Magmatic Cr-PGE Mineralisation within mafic ultramafic rocks and TYPE XI: Remobilized Cu-Ni-Co EGP, +/-Au	The mineralization occurs in beds attitude varies with moderate dips (40-60 degrees). It was intersected between 78.30 and 101.25 m depth (30.7m thickness) in hole No. 4930N-1	The mineralization occurs in three forms (Houle, 1998): 1) chromite and olivine (> 50% chromite) in massive beds of 30 cm to 1 m thick; 2) chromite dunite (5-50% chromite) in homogeneous beds 5 to 30 cm thick; 3) rhythmic alternation al dunite chromitifère (<5% chromite) with chromitite and / or chromite in dunite beds less than 3 cm. PGE mineralization is syngenetic inclusions in chromite grains or associated with sulphides in silicate nodules included in the beds of chromite. Sulphides present in the case of this index are chalcopyrite, pyrrhotite and pentlandite.

NAME SHOWING & YEAR DISCOVERED	WORKED ?	UTM X (NAD 83)	UTM Y (NAD 83)	HOST ROCKS	ALTERATION	ASSAYED
3700N-1 (1990)	Worked showing	347377	5916207	Chromite mineralization is concentrated in chromitite levels contained in a peridotite sill. The sill is hosted in sheared metabasalts. Gold mineralization is encountered in minor metabasalt	Rusty, serpentinized (sr+), talcitized (tc+), carbonatized (cb+), tremolitized (tm+)	Grab sample from drill holes (GM 50437) : 3700N-1 : 10,74% Cr2O3 (?), 35% Cr) sur 6,1 m ; 3500N-1 : 3,76% Cr2O3 sur 6,7 m ; 3900N-1 : 3,86% Cr2O3 sur 1,4 m ; 1,7 g/t Au sur 0,25 m ; 4100N-1 : 13,51% Cr (19,75% Cr2O3) sur 9,1 m dont 17,9% Cr sur 5,3 m;
Lac Alysia or Talc Lake showing (1959)	Not worked showing	345768	5911029	The mineralization is associated with quartz vein located at the contact between basalt and quartzite. A sill serpentinized peridotite and talc is injected into basalt.	Rusty, serpentinized (sr+), talcitized (tc+)	-Grab sample (GM 10200) : 21,94 g/t Ag.
Platinor-8801 (1990)	Not worked showing	346609	5914439	The veins are filled in sheared and foliated biotite tonalite Breccias contact with a gabbro dyke of Menarik intrusive complex.	Thin altered (sr+, cl+) wide zone (<5cm).	Grab samples (GM 48682) : 12,4 g/t Au et 1 g/t Ag ; 5,5 g/t Au.
Anomalie 14 (1989)	Not worked showing	346932	5915188	The host rock is at the top of foliated and amphibolitized mafic flow	Serilitized (sr+)	Grab samples (GM 50180) : RV-7 : 12,08 g/t Au.
Hole 54427 (1976) located southern margin of the property	Not worked showing	343801	5905002	The drilling intersected a quartz-pebble and pyritic conglomerate and arenite intruded by gabbro and ultramafic dykes.	Serilitized (sr+)	Sample from drill holes: (GM 57876 et 32119) : 0,08% U3O8 (580 ppm U) at 0,12% ThO2 (1056 ppm Th) sur 0,15 m à 17,7 m.
Cr-13 regrouped Cr-13, Cr-09, Cr-10 and S-2 showings (1988) located at north margin of property	Worked showing	346301	5917996	Chromite mineralization is associated with levels of serpentinized chromitite metaperidotite owned Menarik Complex.	Rusty, serpentinized (sr+), talcitized (tc+), carbonatized (cb+), tremolitized (tm+)	Grabbe samples (GM 49677) : Cr-9 : 17,05% Cr (24,92% Cr2O3) ; -Grabbe samples (GM 48682) : Cr-10 : 18,7% Cr (27,33% Cr2O3) ; 24,7% Cr (36,1% Cr2O3) ; Cr-13 : 17,1% Cr (24,99% Cr2O3) ; -Grabbe samples (GM 49678) : S-2 : 4,8% Cu; 1% Co; 0,4% Ni ; -Grabbe samples (GM 56369) : #708027: 16,83% Cr and 16,77% Fe.
4930N-1 included showing 5100N-1 (1990 GM 50437)	Worked showing	347874	5916997	In the hole 4930N-1, the chromite mineralization is in serpentinized peridotite. Peridotite is hosted in sheared metabasalts. In the survey 5100N-1, the Cr mineralization is in superior contact of peridotite sill measured 95 cm thick. In the same survey, cupro-nickel mineralization was encountered in a thin horizon of black aphanitic metabasalt with siliceous appearance.	Serpentinized (sr+) and talceous (tc-) peridotite and includes areas rich in carbonate (cb+), tremolite (tm+) and chlorite (cl+). The mineralized metabasalt is siliceous (si+)	Sample from drill hole (GM 50437) : 4930N-1 : 7,5% Cr (10,96% Cr2O3) sur 12,7 m ; 5100N-1 (350 m au NVV) : 15,18% Cr (22,18 % Cr2O3) sur 0,95 m ; 4,06% Co, 0,35% Ni et 15,5 g/t Ag sur 0,3 m

## APPENDIX 3

### INFORMATION SUMMARY COMPILED FROM STATUTORY REPORTS (GM) AND GEOLOGICAL WORK

**Table 3a:** Chronology of Statutory Mineral Exploration Undertaken of the  
Yasinsky Property

**Table 3b:** Resume of documents consulted

## CHRONOLOGY OF STATUTORY MINERAL EXPLORATION UNDERTAKEN ON THE YASINSKI PROPERTY

### **1959 - Main Explo Co.**

Main Explo Company began work in 1958-59. The work included airborne MAG-EM survey, geological reconnaissance survey, mapping of trenches, rock sampling as well as a short drilling campaign using a portable drill (GM 10200). The work took place on the entire Lac Yasinski greenstone belt. Three of the many Ag, +/- Au showings found are within the Yasinski property (map 1, table 1, Appendix 3). The showings are:

- Anomaly 4-23 Instrument Knoll or *Anomalie 4-23 Butte de l'instrument*;
- Anomaly 4-26;
- Lac Atsynia

Instrument Knoll or Anomaly 4-23 is located in the northwest sector of the property and at the interface between an amphibolised basalt and an impure graphite-bearing quartzite (or silicified arkose). The rocks are interlayered with an iron formation containing magnetite and +/- sulphides. The showing is on an airborne EM conductor. Line cutting (1km x 0.25km grid), an on-line VLF survey, trenching and mapping at 1:200 were carried out on the showing. Several gossans were reported in the area. Mineralisation is disseminated (py, po) and thin layers of massive pyrite in quartzite. Quartz, arsenopyrite, and continuous graphite veins were reported. The showing measures less than 20cm in width by several tens of metres in length. Grades of **49.37 g/t Ag** and **14.4 g/t Ag** with **0.69 g/t Au** were reported in grab samples. Boreholes were recommended directly on the showing, but placed 300m farther northeast (map 1).

*Anomaly 4-26* showing is located 4.5 km southwest of Instrument Knoll showing near mafic rocks and the Amisach tonalitic batholith (map 1). The showing is in a quartzite cut by discontinuous quartz veins containing chalcopyrite and graphite mineralisation. The mineralisation is observed for 12.2m in length while width is not indicated. Grades of **8.23 g/t Ag** and **340 ppb Au** were reported from a grab sample.

Lac Atsynia or Talc Lake showing is located 2.7km to the ESE of *Anomaly 4-26* showing, on the edge of the Yasinski greenstone belt, at the contact between the Apple Formation quartzite and mafic rocks. The reported mineralisation consists of quartz-gp-py-po-cp veins. A talc-bearing, serpentinised peridotite is present in the basalt. One grab sample reported in excess of **21.94 g/t Ag**.

Four of the twelve boreholes drilled by Main Explo were drilled on the actual Yasinski property (map 1, table 2, Appendix 6). Two of them, 286-4 (13m) and 286-8 (18m), were 300m to the northeast of the Instrument Knoll occurrence, testing an EM conductor. These two boreholes intersected a garnet-bearing quartzite and an amphibole- quartz- and garnet-bearing silicate iron formation with graphite, pyrite and pyrrohoite. No geochemical results were presented. Hole 286-3 (28m) is located south of the Trans-Taiga Road at the western contact of the Apple Formation and mafic rocks. The borehole was testing an EM conductor. It intersected over 28 metres of hornblende amphibolite, quartz and chlorite followed by fuchsite-bearing quartzite rich in sulphides (po, +/-py, cp), and a talc-bearing pyroxenite/peridotite. No chemical analysis results were presented. Hole 286-7 (149m) was drilled in the northern part of the centre of the property in a basalt cut by gabbro-peridotite intrusions. The borehole intersected a biotite-chlorite-garnet-pyrrohoite-chalcopyrite schist over 122m, followed first by a biotite, chlorite and garnet mylonite, then by a mixture of chlorite schist, gabbro and peridotite at the bottom of the hole. One intersection of sulphide-bearing biotite schist reported **52.7 g/t Ag** and **0.09% Cu** over **1.8m**. No recommendations were made for future work.

## CHRONOLOGY OF STATUTORY MINERAL EXPLORATION UNDERTAKEN ON THE YASINSKI PROPERTY

### **1974-1975 - Canadian Nickel Company (CANICO)**

During the period between 1974 and 1975, CANICO<sup>1</sup> undertook ground and airborne geophysical surveys (radiometry, mag), geological reconnaissance surveys, sampling and drilling covering the southern half of the Yasinski property and farther south beyond it (GM 30047, GM 31353, GM 31354, GM 31355, GM 57876, GM 57877). The official objective of the work was exploration for uranium mineralisation associated with quartz sandstones and pyrite-bearing quartz pebble conglomerate of the Apple Formation located at the eastern end of the Lac Yasinski greenstone belt.

A variety of lithologies were observed and their radioactivity measured. The rock types include a granitic gneiss (20-30 counts per second CPS), arkose sediments (25-30 cps), a fuchsite-bearing quartzite (30-40 cps) interlayered with a fuchsite- and pyrite-bearing quartz pebble conglomerate (60-350 cps) less than 4.0m thick, as well as mica and clay-rich sediments. According to the report, the high radioactivity readings in the conglomerate appear to be more due to mass effect than to the presence of radioactive minerals. Massive, tuffaceous and pillow mafic volcanics were observed, locally with pyrites and rusty pockets. Magnetic anomalies were accounted for by the presence of magnetite iron formation in the mafic rocks. Sills of gabbro and talc-bearing serpentinised peridotite were interlayered with the basalts. The presence of magnetite in peridotites also causes magnetic anomalies and enables detection.

Two small holes, 49886 and 49883, were drilled to 4.0m and 77m, respectively. The 77m hole intersected the fuchsite- and pyrite-bearing quartz pebble conglomerate at the contact with a greywacke and a diabase. No geochemical results were published. Hole 54427 was drilled very close to the southern border of the property (map 1). This hole intersected a quartzite containing a few bands of conglomerate cut by ultramafic dykes. Some uranium mineralisation was detected in the quartzite, discontinuous, narrow and of low intensity. The best intersection reported **0.08% U<sub>3</sub>O<sub>8</sub> over 0.15m.**

The conclusion is that the strong and not yet accounted for radiometric anomalies are come from rocks rich in potassium and not in uranium. The not very encouraging results do not give hope of finding substantial U<sub>3</sub>O<sub>8</sub> mineralisation.

### **1975 - Groupe Minier SES**

Groupe Minier SES<sup>2</sup> undertook an extensive regional geochemical survey of lake-bottom sediments in the area of Grande Rivière and Lac Sakami including the Yasinski property (GM 50002). Sample density varied from 2.5 to 3.5km. Very few samples were from the Yasinski property. Samples were analysed for several elements (Ag, As, Co, Cu, Fe, Mn, Mo, Ni, Pb, Y and Zn). Data presented here from these survey are not conveniently available in the current Stigeom and were extracted from the former Badgedq geochemical database, available from MRNQ in the nineties.

Groupe Minier SES undertook extensive regional mapping in the same year at a scale of 1:50 000 covering the Yasinski property (GM 50026). Only regional geological maps were published without text or report.

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<sup>1</sup> CANICO, or Canadian Nickel Company, was an exploration subsidiary of Inco, who worked undercover in the area for years. Most of Canico works never been released to assessment files, and legend says they drilled a fair number of holes and throw the cores in lakes afterward...

<sup>2</sup> SES: Séru-Eldorado-SDBJ, a consortium devoted to evaluate the uranium potential of the James Bay territory prior that the area being flood by dam construction.

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### **1978 - Société de Développement de la Baie-James (SDBJ)**

SDBJ undertook a regional lake-bottom sediment survey in 1978 covering James Bay and including the Yasinski property (GM 36000). Samples were analysed for several elements (Ag, Co, Cu, Fe, Mn, Mo, Ni, Pb, U and Zn). Results were posted to the SIGEOM database and plotted on compilation maps (maps 2 to 8, Appendix 7).

### **1988-1989 - Ressources Minières Platinor**

Ressources Minières Platinor undertook work in 1988 and 1989. It included geological exploration along cut lines, rock sampling, aerial magnetic, electromagnetic (DIGHEM) and VLF surveys, as well as Mag and VLF surveys along cut lines (GM 48682, GM 48683 and GM 48684). Fieldwork was carried out on two large claim blocs within the actual Yasinski property, while the airborne geophysical survey covered the entire property and beyond to the south (map 1).

EM-DIGHEM airborne surveys showed the presence of two long and wide electromagnetic conductors (8.7km x 200-400m) oriented NNE-SSW parallel to the orientation of the rocks and crossing the western section of the property (GM 48683, map 1). Intense magnetic crests are superposed on the EM conductor axes. The conductors are interpreted as the possible manifestation of massive pyrrhotite horizon.

EM and VLF surveys were carried out on the grids in both north and south claim blocs (GM 48682). Several magnetic anomalies were identified in the northern block and attributed to the presence of magnetite iron formation and peridotite sills. Some magnetic anomalies are coincidental with the VLF conductors that are interpreted potentially magnetite and sulphide (pyrrhotite) iron formations and/or peridotite sills. The 1.5 km long VLF conductors present in the southern block are accounted for by the presence of graphite- and sulphide-bearing schist found in a mafic tuff. Several Au, Ag and Ni showings were discovered in the conductors. Several other EM-VLF conductors could not be accounted for.

Mapping and rock sampling on the northern grid (3000m x 1200m) led to the discovery of gold, silver, copper, nickel, palladium and +/- platinum (GM 48682, GM 48684, Appendices 4a and 5). Mapping the northern grid showed basalt flows interlayered with intermediate to felsic tuffs, locally containing magnetite iron formation, +/- sulphides, quartzite and conglomerate lenses. These rocks are cut by gabbro, pyroxenite and peridotite intrusions. A wide tonalite intrusion occupies the eastern section of the grid.

The Au-Ag-Cu+/- As mineralizations include the **Platinor-8801** gold showing with a high gold content of **12.4 g/t Au** and **1.0 g/t Ag** (sample numbers 8853-8857, Appendices 4a and 5). This occurrence is from the internal margin of the tonalite very close to basaltic country rock introduced by pyroxenite. It is characterised by a small quartz-tourmaline-pyrite vein (<5cm) oriented N340° located in an altered shear zone containing chlorite and sericite and affecting a diorite that cuts the tonalite. Another grab sample not far from the Platinor-8801 showing reported **5.5 g/t Au**. These gold grades were not replicated despite of collecting multiple samples from the environs of these showings.

**Lac Gasosabeekatch** is the name of another showing located 600m to the south-southwest of the Platinum-8801 showing (# 8834-8840, 8813-8816, Appendices 4a and 5). Copper (**6.5% Cu**), silver (**26.0 ppm Ag**) and gold (**1.9 g/t Au**) content are reported from a grab sample. The Cu-Ag-Au is found in a brecciated basalt interlayered with intermediate tuff, iron formation and a conglomerate cut by gabbro and pyroxenite intrusions. Mineralisation is disseminated to massive sulphides, including pyrite (<60%), chalcopyrite (<10%) and locally pyrrhotite, sphalerite, galena and native copper along with chlorite, tremolite and graphite. Quartz veins are present locally. Other samples from the area gave fractions of a percentage in copper and less than 2.0 ppm Ag. Mineralisation was noted for about 150m at most.

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In the Lac Ultra area, at the southern boundary of the northern grid, several copper, silver, nickel and palladium mineralisations were reported (sample numbers: 8842-48, 8858-65, Appendix 5). The mineralisation at the **Lac Ultra** occurrence is either massive or disseminated sulphide veinlets, containing pyrrhotite and chalcopyrite (tr-3%) with magnetite present in a wide banded pyroxenite sill (175m x 1400m) locally differentiated into a peridotite. The rocks are sheared and show tremolite, talc, serpentine and carbonate alteration. Anomalous **copper (<3650 ppm Cu), nickel (<2600 ppm Ni), silver (< 1.0 ppm Ag) and palladium (< 1.0 g/t Pd)** were reported from grab samples. **Silver (1.0 to 2.3 ppm Ag), arsenic (< 8560 ppm As) and a little copper (< 463 ppm Cu)** mineralisations are reported from two samples (# 8818-19). They are characterised by the presence of pyrite (2-3%) in a biotite altered tuff. No recommendations were made for future work on this grid of the North Block.

In the southern block grid (2.0 km x 600m), Ressources Platino reported two **gold (119 and 294 ppb Au)** (# 8804, 8829) occurrences separated by 600m and one sample rich in arsenic (**900 ppm As**) (# 8810) (Appendices 4a and 5). These are in sheared, altered (sr+, fu+) and pyrite enriched (tr-1%) quartzite. These mineralisations are dispersed over the grid and have no lateral extension or links between them.

A few sporadic gold, copper, silver and nickel-chromium mineralisations were found in the peridotite, including:

- **Gold 108 and 300 ppb Au** (# 62025, 46998) ;
- **Silver (6.2 ppm), gold (294 ppb) and copper (4490 ppm, # 46868)** ;
- **Chromium (2560 to 3740 ppm) and nickel (1035 and 1190 ppm)** .

### **1989 - 1990 - Exploration Noranda**

In 1989, Exploration Noranda undertook airborne geophysical surveys (Mag, EM-DIGHEM-IV, VLF), ground surveys (Beep Mat, VLF), compilation, geological reconnaissance, rock sampling, litho-geochemical analyses and petrographic analyses. The work covered several claim blocks including one on the Yasinski property called Lac Ultra or North Block (GM 49086, GM 49087, GM 50180, GM 50181, GM 50501, map 1).

The airborne geophysical survey detected several VLF-EM conductors and magnetic axes within the Yasinski property (map 1). The Beep Mat provided more precise data on the conductors identified by airborne methods, which were generally accounted for by sulphide-rich bands (py, po) within mylonitised amphibolite sometimes with boudinaged quartz veins.

Detailed mapping of the North Block or *Lac Ultra* located north of the Trans-Taiga Road revealed the following east to west (Appendix 4b):

- Tonalite, tonalite gneiss in the east;
- Serpentinite – East, derived from a peridotite dyke;
- Eastern fault zone (EFZ): NNE-SSW subconcordant quartz-muscovite or quartzite mylonite;
- Sheared amphibolite containing sulphides, + quartz veins, chloritised;
- Wide amphibolite-metabasalt with massive, pillow and brecciated flows;
- Serpentinite - West, same as in the east;
- Western fault zone (WFZ): NNE-SSW subconcordant quartz, biotite and fuchsite-rich 'quartzite' mylonite bordered by sheared sulphide-bearing amphibolite that is dissected by quartz veins;
- Wide amphibolite - metabasalt.

The magnetic anomaly anomalies associated with EM conductors are associated with the WFZ and further west. They are attributed to narrow bands of iron formations. EM conductors to the west of WFZ are

## CHRONOLOGY OF STATUTORY MINERAL EXPLORATION UNDERTAKEN ON THE YASINSKI PROPERTY

interpreted as related to shear zones. Transect faults oriented ENE-WSW and NW-SE with sinistral movement cut the wide WFZ and EFZ fault zones and rock layers. Several of the mineralisations are attributed to these late and discordant faults.

Several hundred samples appear to have been collected and analysed in the North Block, but only 113 could be located on a map. They were analysed for gold, copper, and locally for chrome, nickel and zinc (map 1, Appendix 4b). A few samples contain anomalous quantities of **gold (100-303 ppb Au) and copper (1000-17600 ppm Cu)** from quartz veins containing pyrite, pyrrhotite and chalcopyrite found in amphibolite or cataclasite. Some samples show a correlation between copper and gold.

Several of the samples that could not be located on a map contained significant amounts of gold, copper, zinc, chromium, nickel, palladium and platinum. The mineralised rocks and showings of the North Block (Lac Ultra) are identified by geophysical anomaly numbers. These are:

- **Anomalies 1A to 1C** (location ?), including samples RV-370, RV-379 to RV-383, reported anomalous **gold (75 to 303 ppb Au), copper (0.14 to 0.79% Cu), zinc (0.26 and 0.32% Zn) and silver (1.2 g/t Ag)** contents;
- **Anomaly 2**, including samples RV-290-291, RV-297-299, RV-367-368, reported anomalous amounts of **copper (< 0.35% Cu), nickel (< 0.29% Ni), palladium (< 973 ppb Pd) and platinum (< 191 ppb Pt)** located in ENE-WSW fault zones cutting Serpentinite-West that is transformed into talc, antigorite, tremolite schist with po-cp;
- **Anomaly 3**, including sample RV-284 with **54 ppb Au and 0.12% Cu**, located in a talc-bearing serpentinite;
- **Anomalies 4A and 4B**, including samples: RV-248-249, RV-254-255, reported anomalous **gold (75-1030 ppb Au) and copper (< 0.76% Cu)** located in a quartz and muscovite mylonite cut by discordant and crushed quartz, +/- calcite veins with pyrite and chalcopyrite affecting an amphibolite;
- **Anomaly 5** including sample RV-217 reported **70 ppb Au** from a muscovite-magnetite-garnet schist interpreted as an iron formation in contact with Serpentinite-East;
- **Anomalies 6A to 6E** including samples RV-410-411, RV-420, RV-423, RV-466, RV-529 reported anomalous **gold (37 to 98 ppm Au)** at times with **copper (0.15% Cu) and silver (1.4 g/t Ag)** found in an amphibolite sheared by the WFZ and mineralised by py, po, cp and asp with quartz-carbonate veins;
- **Anomalies 7A and 7B** including samples: RV-87 and RV-467 reported **42 and 71 ppb Au** from a sheared, altered (si+, cl+) and pyritised amphibolite that was affected by the WFZ and an ENE-WSW fault;
- **Anomalies 9A to 9C** including samples: RV-165-171, RV-481, RV-483, RV-500-502, RV-504, RV-507-510, RV-514-516 and RV-522, reported anomalous **gold (36-1081 Au) and copper (< 0.47% Cu)** from a sheared, recrystallized and altered (bo+, cl+, gr+) amphibolite that is mineralised in py, po, cp, +/- asp;
- **Anomaly 10** including samples RV-142, RV-163, RV-215-216 reported anomalous **gold (48-325 ppb Au) and copper (0.29% Cu)** from a context similar to Anomaly 9;

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- **Anomalies 11A to 11C** including samples: RV-76, RV-74, RV-26-27 reported anomalies in **gold (34, 48, 631 and 5 670 ppb Au)** from the western fault zone (WFZ) affecting a mylonitised and altered (bo+, cl+, tc+) that is mineralised in py, po, cp and asp;
- **Anomaly 12** including samples RV-108 and RV-113 reported anomalies in **gold (<50 ppb Au)** and **copper (<0.17% Cu)** from the EFW cut by an ENE-WSW fault in an altered (cl+) amphibolite with chalcopyrite;
- **Anomaly 13** including sample RV-209 reported **199 ppb Au and 0.25% copper** from a sheared (EFZ) and altered (cl+, bo+) amphibolite containing qz-cc-cp veinlets;
- **Anomaly 14** including sample RV-007 reported **12 080 ppb Au (12.08 g/t)** in a geological context similar to Anomaly 13 in EFZ.

Several of the gold, copper and silver mineralisations are associated with electromagnetic conductors that follow the concordant faults and shears oriented NNE-SSW and are affected by discordant faults oriented ENE-WSW. Based on petrographic studies, gold mineralisation is associated with quartzofeldspathic mylonites with strong potassic alteration (biotite, muscovite, fuchsite). According to the authors, high gold grades occur in the presence of magnetite iron formation in the EFZ and WFZ. A ground geophysical survey (IP, EM-VLF, MAG) is proposed.

### **1990 - Ressources Minières Platinor & Ressources Minières Augyva<sup>3</sup>**

Following the Noranda gold discoveries, Ressources Minières Platinor and Ressources Minières Augyva joined forces to carry out two drilling campaigns. Both campaigns, one of 1216 metres (7 boreholes, Jan.-Feb. 1990) and the other of 2963 metres (20 boreholes, Nov.-Dec. 1990), were deployed on the North Grid (GM 50437, GM 50538).

The first 1990 drilling campaign (GM 50438) was proposed to verify the Cu-Ni-Pd-Pt mineralisation of the Ultra occurrence and the Cu-Au-Ag mineralisation of the Lac Gasosabeekatch occurrence. Boreholes also targeted N340° discordant faults inferred to be the unaccounted for conductors.

Drilling exploration of the **Lac Ultra** Cu-Ni-Pd-Pt occurrence that is associated with gabbro-pyroxenite-peridotite intrusions did not yield the desired results (table 3, Appendix 6). At best, one intersection of **0.16% Ni and 0.56 g/t Pd+Pd over 8.3m** is reported at a contact between a sulphide-bearing peridotite and basalt country rock (hole 75N-1). Intersections of **2.0 % Cr over 4.0m** and **0.3% Cu and 0.5% Ni over 3.4m** were reported from a 2.6km mafic-ultramafic sill to the north of Lac Ultra (hole 2700N-1). The mineralisation is located between a peridotite and an altered (tc+, sr+) gabbro-pyroxenite with pyrite, pyrrhotite and chalcopyrite.

A surface sample at the **Lac Gasosabeekatch** Cu-Au-Ag showing contained **6.5% Cu, 26.0 ppm Ag and 1.9 g/t Au**; drilling exploration of the same site yielded **7.3 g/t Au, 38,4 g/t Ag and 2.6% Cu over 0.2m** (hole 1400N-1). The intersection is from a mafic tuff and a sheared and altered (cl+, am+, gr+, bo+, si+) basalt with pyrite and chalcopyrite mineralisation. There are quartz-carbonate-py-cp veins.

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<sup>3</sup> Augyva has always been under the guidance of George-Yvan Gagnon. However, it is uncertain who had the operatorship of the project, and with which diligence the work has been carried.

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Another borehole located 700m in the northern extension of the Lac Gasosabeekatch showing targeted a N340° structure and yielded **2.9 g/t Au and 38.4 g/t Ag over 2.4m** (hole 2100N-1). This Au-Ag intersection is from an altered (am+, si+, cl+, bo+, cb+, fu+) intermediate and mafic tuff with disseminated sulphides (py, po, cp, +/-gl, +/-sp). A sulphide-bearing felsic tuff is in contact with the mafic tuff, but contains less gold than the mafic tuff itself (**< 160 ppm Au**). Rocks intersected in hole 2100N-1 are characterised by sequences repeated by folds and/or faults consisting of quartzite, chloritic schist, basalt, intermediate tuff, peridotite, gabbro, a porphyry qz-fd and a granodiorite. The site is called the **Lac Yasinski-NE showing** or **2100N-1 showing** (map 1).

Following the encouraging result from hole 2100N-1, line cutting, ground geophysical survey, trenching, mapping and rock sampling were carried out in the area of the **Lac Yasinski-NE** showing (GM 50502, GM 50503). A grab sample from a trench made near the collar of hole 2100N-1 gave **45.0 g/t Au**. In total, 8 holes were drilled in this area of the North Block and around the gold showing (holes 2000N-1,2, 2050N-1,2, 2100N-2,3, 2150N-1,2). Grades of **2.68 to 7.67 g/t Au** between **1.5 and 7.67m** were reported. The best intersection gave **2.86 g/t Au over 7.2m** including a section of **7.67 g/t Au over 2.1m** (hole 2050N-1). Gold mineralisation was found in a sheared mafic to intermediate tuff containing large amphibole crystals, in contact with a felsic tuffaceous and probably epiclastic rock. Mafic and ultramafic intrusions are present. Host rocks are altered (si+, bo+) and contain disseminated sulphides (py, po, cp, asp, gl, sp) crosscut by quartz-sulphide veins. There is a correlation between arsenopyrite abundance and gold concentration. Gold is not related to the presence of veins, suggesting a syngenetic rather than epigenetic disseminated-type sulphide gold mineralisation.

Other holes bored farther north of the 2100N zone intercepted mostly chromium and nickel mineralisations present in peridotite sills and in contact with a gabbro, a pyroxenite or a basalt. Intermediate to felsic pyroclastic rocks and a felsic dyke were also noted in contact with the mineralised peridotite. The peridotite is altered (tal+, serpentine+, carbonate+) with chromite and sulphides (po, py, cp) and occasionally contains quartz-tourmaline-sulphide veins. A few significant intersections were reported, including:

- **10.9% Cr<sub>2</sub>O<sub>3</sub> over 12.7m and 23.0 % Cr<sub>2</sub>O<sub>3</sub> over 0.9m** (holes 4930N-1 and 5100N-1)

These holes did not give a laterally well-defined zone, suggesting a lenticular rather than a sporadic mineralisation.

A few significant intersections in other economic elements were reported from this drilling campaign, including:

- **1.4% Zn / 0.5m** in a felsic-sulphide tuff (hole 2000N-1);
- **0.17% W / 1.5m** in a pyrite-bearing conglomerate, with **1% scheelite over 5cm** in contact with a graphitic shale, a sandstone and an oxide-facies iron formation (hole 3600-2);
- **1.7 g/t Au / 0.3m** in a mafic tuff in contact with a sulphide-bearing (po, py, asp) and iron oxide-bearing basalt, and a peridotite (hole 3900N-1);
- **4.1% Cu / 0.3m** in a sheared and carbonated basalt with cp and po in contact with gabbro (hole 5100N-1);

Continued gold, chromium and platinum group element exploration is recommended.

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## **1991 - Ressources Minières Platinor & Ressources Minières Augyva**

Two other drilling campaigns were undertaken by the Ressources Minières Platinor and Ressources Minières Augyva group in Jan-Feb 1991 (14 boreholes for 2192m, GM 50517) and in Oct-Dec 1991 (21 boreholes for 3211m, GM 51236).

The Jan-Feb 1991 campaign (GM 50517) was designed to pursue the exploration of gold zone 2100N and the Cr and Ni-Cu mineralisations. Zone 2100N has been extended at depth, but with widths not exceeding 2.0m (map 1, table 2, Appendix 6). The best gold intersection was **2.77 g/t Au over 1.35m** including **10.18 g/t Au over 0.2m** (hole 2100N-4). There are low percentages of **copper** and **zinc** in thin intersections (< 2.0m) associated with the gold. Mineralisation is unmistakably at the interface between an intermediate to mafic tuff and are reworked felsic tuff or a volcanoclastite. **In summary, gold zone 2100N was drilled (9 holes) to several depths and it measures at least 150m long, 1.5 to 7.2m wide and 120 m deep with an average of 3.1 g/t Au.** It remains open at depth and to southeast. The holes are too few to allow mineral resource calculations.

The 10 other holes were drilled on geophysical targets northeast of gold zone 2100N and intercepted chromite, nickel and gold mineralisations. The best chromite intersections are:

- **26.15% Cr<sub>2</sub>O<sub>3</sub> over 9.1m** (hole 4100N-1) with values from 2.1 and 6.1% Cr<sub>2</sub>O<sub>3</sub> in the rest of the 103m hole;
- **0.15% Ni over 4.5 and 5.7m** (hole 4100N-1).

Extensions of the chromite mineralisation towards the north and south of hole 4100N-1 continue, but over less than 4.0m in width and at values less than 6.13% Cr<sub>2</sub>O<sub>3</sub>. Other significant intersections reported are:

- **1.32% Cu, 0.59% Ni and 1.0 g/t Au / 0.5m** present in basalt containing quartz-carbonate-pyrite-pyrrhotite-chalcopyrite veins (hole 4915N-1).

The October and December, 1991 drilling campaign (GM 51236) was intended to continue the exploration of chromite mineralization 4100N-1 and the Cu-Ni intersected by previous drilling campaigns, as well as to verify geophysical targets. The best intersection of the 7 holes targeting chromium showing 4100N-1 is:

- **13.80% Cr<sub>2</sub>O<sub>3</sub> over 6.9m** (hole 4100N-2).

The other holes had lower levels over narrower sections.

Other intersections reported in the northern grid are:

- **2.1 g/t Au over 3.7m** including a 1.55m wide quartz-tourmaline-sulphide vein containing 4.53 g/t Au over 1.55m (hole 4400N-1);
- **0.89% Cu and 0.14% Ni / 2.5m** (hole 5100N-5);
- **5.0% Cr<sub>2</sub>O<sub>3</sub> / 4.9m** (hole 5100N-5);
- **0.30% Cu, 0.66% Ni and 0.89 g/t Au over 4.55m** including **1.32% Cu, 1.29% Ni, 3.1 g/t Pd and 0.18 g/t Pt over 20cm**;
- **1.2 g/t Au / 7.25m** (hole 2600N-1);
- **1.03% Ni and 0.38% Cu / 2.4m**;
- **1.3% Ni, 0.4% Cu and 0.22 g/t Au / 7.3m** (hole 2600N-2).

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These intersections are from a chromite peridotite that contains pyrrhotite and arsenopyrite and is in contact with a mafic tuff and a basalt, or with a silicified intermediate tuff containing disseminated sulphides (po, py, cp, asp).

These significant results led the authors to recommend further work.

### ***1992 - Ressources Minières Platinor & Ressources Minières Augyva***

The Ressources Minières Platinor and Ressources Minières Augyva group began a ground geophysical survey in the northern block using Mag (24.3 km), VLF-EM (24.3 km) and EM-MELIS (25.4km, GM 51268). Several VLF conductors and magnetic axes were interpreted on the North Grid, including several MELIS conductors detected at great depths (100m to 400m). It was suggested that a few EM-MELIS conductors should be drilled and EM surveys should be carried out in the boreholes of the previous campaigns. This campaign never took place.

### ***1996- 1997 - Vauquelin Mines***

Vauquelin Mines began a large ground magnetometer survey (94.5 km) in 1996 that covered much of the southern Yasinski property (map 1, figure 7, GM 55250). More than 22 magnetic crest anomalies (M-1 to M-22) oriented NNE-SSA and 4 magnetic zones were identified.

In 1997, Vauquelin Mines undertook a induced polarisation (IP) geophysical survey on a grid of 14.7 km of lines located in the centre of the property near the Trans-Taiga Road (map 1, GM 55249). More than 27 anomalies were identified, including 15 high priority one characterised by high chargeability and low resistivity interpreted as potential massive sulphide lenses. Several of the IP anomalies were so close to the surface that ground follow-up was proposed prior to drilling. Vauquelin Mines did not continue the work. Mr. Guy Galarneau, an independent prospector prospected these targets in 2002 using Beep Mat (see below, GM 60553). Several of the IP anomalies remain unaccounted for to this day.

### ***1996 Syndicat du Beep Mat 1996***

A Beep Mat survey followed by rock sampling was undertaken in 1996 by the Syndicat du Beep Mat 1996 in the southwestern area of the Yasinski property (map 1, GM 56878). Nine grab samples contained low to medium abundance of **gold (< 309 ppb Au), silver (<1.5 ppm Ag) and copper (< 1867 ppm Cu, Appendix 5)**. The best samples are from a magnetic gabbro with 15% pyrrhotite (309 ppb Au) and from a graphite- and sulphide-bearing paragneiss (20%po, 1-2%py, tr.-2% cp) cut by a quartz vein (80 ppb Au, 1867 ppm Cu and 16 ppb Au). No recommendation was made for future work.

### ***1997- 1998 EX-IN Explorateurs - Innovateurs de Québec***

Between 1997 and 1998, EX-IN Explorateurs - Innovateurs de Québec undertook a ground geophysical survey (Beep Mat, HLEM), geological reconnaissance, trenching and dynamiting as well as rock and bulk sampling (GM 55442, GM 55997, GM 55998, map 1). Initially, work was concentrated on several properties in James Bay (GM 55442), including the Lac Yasinski section, without much precision, since there is no location map. Beep Mat prospecting was mentioned later in the year on a small claim block located in the centre-west of the Yasinski property beside the Trans-Taiga Road.

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The Beep Mat geophysical surveys were carried out at the same time as the rock sampling. Nine samples from the hundreds collected in James Bay come from the Yasinski property (GM 55442, Appendix 5c). Some anomalous gold and copper were reported, including:

- 309 ppb Au (grab) from a gabbro with 15% pyrrhotite;
- 80 ppb Au (grab) from a graphite- and sulphide-bearing paragneiss (20% po, 1% py, tr. Cp) crosscut by a quartz vein;
- 1867 ppm Cu (grab) from a graphite- and sulphide-bearing rock (15% po, 2% py, tr. cp)

The samples are dispersed in the centre of the property and have nothing to link them.

A little later in the year, Beep Mat prospection, HLEM (MAXMIN) survey on a 700m x 600m grid and geological mapping was carried out in this part of the property intersected by the Trans-Taiga Road (GM 55997, map 1). Mapping helped identify amphibole and garnet-bearing basalts interlayered with mafic to intermediate tuffs as well as felsic ash, lapilli and block tuffs, a conglomerate, oxide- (magnetite), and silicate- (anthophyllite, grunerite, garnet), and sulphide-facies (py-po) iron formations locally with graphite cherty iron formation. The rocks are cut by a diabase dyke.

Of the 65 samples collected, dozens contain anomalous gold (**22 to 286 ppb Au**), a few have anomalous silver (**1.2 and 2.6 ppm Ag**), a dozen or so have anomalous copper (**200-514 ppm Cu**) and a few samples have anomalous zinc (**209 to 978 ppm Zn, Appendices 4d and 5**). In addition to these samples, a few others stood out:

- **2.84 g/t Au Lac Atikamahuch-588 showing** from a mafic tuff within oxide- and silicate-facies iron formation with magnetite, amphibole / anthophyllite, garnet and sulphides (10% po) accompanied by alterations (sr+, si+) measuring 1-2m wide by 30-50m long in contact with a basalt;
- **1.50 g/t Au** from a smoky, rusty quartz vein with sulphides (5% po) and alterations (cc+) present in an iron formation rich in amphibole measuring 1.0m x 200m;
- **4 845 ppm Cu** from a graphite and sulphide bearing tuff (20% po-py, 2% cp) in contact with a basalt.

These gold enrichments are not associated with enrichment in other elements. However, there are associations between Cu-Zn, +/- Ag in several cases. The map shows weakly mineralised rocks (Au and/or Cu-Zn +/- Ag) across an area 3.5 km long and 100m wide.

Further work was carried out by EX-IN Explorateur-Innovateur in 1997 in another small block located in the centre-west of the actual property (**GM 55998, Appendix 4e**). Mapping, dynamiting, stripping, line cutting, bulk and grab sampling, HLEM (Max-Min) and MAG surveying as well as a small campaign of short drill holes (61m) were carried out. Several mineralisations were found, many of which were Max-Min and Beep-Mat conductors superimposed on magnetic anomalies. These are:

- Quartz-carbonate-sulphide (py, po, cp) veins found in wide carbonated zones that were concordant with layering;
- Sulphide, oxide and silicate iron formations with graphite;
- Disseminated sulphides in a felsic tuff.

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Several small bulk samples of sulphide-facies iron formation were collected from the Lac Atikamakuch-588 showing. The material analysed (5kg) came from a massive sulphide concentrate, weighing 420kg, produced by manual concentration and separation of conductive or magnetic materials, or a combination of both types. Analyses of these 5 kg concentrates all gave anomalous gold values (**36 and 693 ppb Au**) including one at **2 382 ppb Au**.

Two shallow holes (hole 1-EX-97-10, hole 2-IN-97-10) were drilled in the area of the **Lac Atikamahuch-588 showing** targeting EM conductors attributed to massive pyrrhotite. The results were:

- Hole 1 (44.8m): 350 ppb Au / 3.1m from a felsic tuff with 3.0m thick beds and 20% disseminated pyrrhotite. Further down, the tuff is in contact with a basalt interlayered with a magnetite iron formation. Then, several, up to 18.0m thick, quartz-bearing massive pyrrhotite bands were intercepted in a mafic to ultramafic vesiculated tuff in contact with a basalt enclave. The massive sulphides are sterile;
- Hole 2 (13.72m): 500 ppb Au / 1.83m from a 2.0m thick felsic tuff with 20% disseminated pyrrhotite in contact with a magnetite iron formation, both of these are interlayered in an olivine basalt with spinifex texture (komatiite ?) and milky quartz veins.

Further work was recommended in this area on the geophysical anomalies and the as yet unaccounted for Beep-Mat results. This recommendation was not followed.

### **1997 - Gaspésie Société d'Exploration Minière**

*Gaspésie Société Exploration Minière* began ground magnetic and HLEM surveys in 1997 that covered the southern Yasinski property and beyond to the south (GM 56157, figure 7, map 1). Long and wide HLEM conductors superposed on strongly magnetic zones were reported, with many of them on the property. HLEM and magnetic anomalies, apparently with shallow dips, are attributed to volcano-sedimentary rocks and graphitic shales containing massive pyrrhotite.

Further work was recommended to explore the unaccounted for HLEM-Mag anomalies. This recommendation was not followed.

### **2002 - Guy Galarneau**

Compilation, hammer and Beep-Mat prospecting, and rock sampling was undertaken on behalf of Guy Galarneau, prospector, in the southern half of the Yasinski property and farther to the south, following the eastern edge the Lac Yasinski greenstones (GM 60553, figure 7). Several samples were collected from outcrops containing Beep Mat conductivity and magnetic anomalies and were analysed for gold and 35 other elements. According to this author, some of the sampled sites were worked before. Five of the samples are from the property north of the Trans-Taiga Road. The only significant assay result is **1582 ppm Zn** (SR02-RC04, Appendix 4f) from a basalt with 10% pyrrhotite.

Further exploration work was recommended south of the road.

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### **2007 - Ressources Minières Augyva**

Ressources Minières Augyva<sup>4</sup> undertook a compilation of the exploration results and a geophysical survey over the actual Yasinski property. They covered the property with airborne magnetometric and Versatile Time Domain Electromagnetic (VTEM) surveys, representing 893.8 km survey lines (GM 63483, figure 7). Figures 8 and 9 present the result of the compilation of the geological and mining surveys and their interpretation. A number of conductors oriented NNE-SSW were identified that are always present in late channels, suggesting the presence of good and deep electromagnetic conductors. The superposition of magnetic anomalies onto VTEM is common. VTEM-MAG fits suggest the presence of zones rich in magnetic sulphides such as pyrrhotite. We note that the radiometric survey (U, K) anomalies are superimposed in the southern section of the property. The huge, subcircular magnetic anomaly located to the north of the property is derived from the intrusive mafic-ultramafic Menarik Complex. Inversions carried out on the magnetic data suggest that these magnetic rocks are shallow (<100m).

### **2012 - Ressources Minières Augyva**

A geophysical compilation and interpretation map at a scale of 1:20 000 was produced on behalf of Ressources Minières Augyva, which map is not publically available. Geophysical anomalies such as radiometric (U, K), magnetometric and electromagnetic as well as the known showings and some discordant faults and shears were compiled. These compiled anomalies were verified in the field and are reported in the compilation map of this report.

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<sup>4</sup> Then under the management of George-Yvan Gagnon, suggesting that near to all the work has been conducted by his own crews. Field work has never been reported as assessment, and it is unlikely that it is recoverable.

Company Owner	Date	Report Number	Name of Report	Company did work	Part of covered property	Rock Sampling and assaying	Gridding Total (length)	Geology Mapping	GEOPHYSIC SURVEY										
									Geophisic Mag (ground)	Geophisic Mag (air)	Geophisic Time domain VTDEM (air)	Geophisic EM (air)	Geophisic HLEM Horizontal Loups (ground)	VLF/TBF (ground)	Beep Mat	Induce Polarized (ground)	Gravimetric (aerial)	Radiometric	
Main Explo Co	1959	GM 10200	Geological Report and 13 DDH Logs on Yasinski Lake Area, Project 286	Main Explo Co	Center and more far west	X		X											
Canadian Nickel Company	1974	GM 30047	Geophysical (mag.) Survey	Canadian Nickel Company	South part and more south				X										
Groupe Minier SES	1975	GM 50026	Levé géologique d'une partie de la propriété du Groupe minier SES, campagne 75	Groupe minier SES	Covered entire property and much more far	X		X											
Groupe Minier SES	1975	Gm 50022	Geochemical report on a lake sediment survey of la Grande River Salami Lake area	Groupe Miniers SES	Covered entire property and much more far to the east														
Canadian Nickel Company	1975	GM 31355	Magnetometer Survey Report, Yasinski Lake Area, Township 3014	Canadian Nickel Company	South part and more south				X										
Canadian Nickel Company	1975	GM 31354	Radiometric Survey Report, Yasinski Lake Property	Canadian Nickel Company	South part and more south														X
Canadian Nickel Company	1975	GM 31353	Geological Survey Report, Yasinski Lake Property	Canadian Nickel Company	South part and more south			X											
MRNQ	1977	RG-184	Région de la Grande Rivière	MRNQ	Entire and more	X		X											
SDBI	1978	GM 36000	Levé de sédiments de lacs, Baie-James	SDBI	Entire and more														
Ressources minières Planinor	1988	GM 48684	Rapport de levés géophysiques magnéto-mé-triques et EM-TBF, propriété Yasinski	Ressources minières Planinor	Two blocks in center and south parts					X (39.4 km)					X (39.4 km)				

Company Owner	Date	Report Number	Geochemistry			Petrography	Drilling (total in metre)	Geoscience study	Compilation	Photo interpretation	Significant and Relevant Results	Recommendations
			Sediments Lake	Sediment Stream	Litho geochemistry							
Main Explo Co	1959	GM 10200					X (208m)				This company explored entire Yasinski volcanic belt included must part of the Yasinski property. Three silver-gold mineral occurrences were discovered: "Anomalie 4-23 Butte de l'Instrument", "Anomalie 4-26" and "Lac Atsytina". The "Anomalie 4-23 Butte de l'Instrument" or "Instrunekt Knoll" come from quartz-graphite-pyrite-arsenopyrite-graphite veins (20cm) with massive pyrite within graphitic impur quartzite near iron formation and metabasalt units. Grab samples assayed <b>49.37 g/t Ag and 14.4 g/t Ag with 0.69 g/t Au</b> . The "Anomalie 4-26" occurrence come from quartz-graphite-chalcopyrite vein within quartzite graded <b>6,23 g/t Ag et 340 ppb Au</b> . The "Lac atsytina" occurrence come from quartz-graphite-sulfide vein within quartzite contact with basalt and peridotite sill. Grab sample assayed <b>21.94 g/t Ag</b> . Four (4) short drill holes were drilled in central part of the Yasinski property. Only one hole (hole 286-7, 140m) contains assay values of <b>52.7% Ag and 0.09% Cu over 1.8m</b> drilled in east part of the property south of Platinum-8801 showing. The mineralization occurs within garnet-biotite-chlorite schist with pyrrhotite and chalcopyrite in contact with chlorite schist contact with gabbro and peridotite in down hole.	7
Canadian Nickel Company	1974	GM 30047					X				Same magnetometric survey as GM 31355 but exposed more detail information. The report included also location of two (2) boreholes identified 48883 and 48895 with log journal without assay results, comments and recommendation about the drilling program	No recommendation proposed
Groupe Minier SES	1975	GM 50026									Geological map shows detail "crenulate" or drag folded geological units and contacts cuts by discordant ENE-WSW trending shear and fault zones. Those structures were responsible of the strong deformed lithologies mapped.	No recommendation proposed
Groupe Minier SES	1975	Gm 50002	X								Lake sediments were analyzed for Ag, As, Co, Cu, Fe, Mn, Mo, Ni, Pb, Y and Zn. Residual assay analysis were reported on compilation map.	????
Canadian Nickel Company	1975	GM 31355									See GM 57876 is same magnetometer survey and maps	
Canadian Nickel Company	1975	GM 31354									See GM 57876 is same radiometric survey and maps	
Canadian Nickel Company	1975	GM 31353									See GM 57876 and GM 57877. Detail geological survey was carried for search uranium in quartz pebble conglomerate. Detail description of lithologies mapped was well described such as granite gneiss, arkosic sediments, quartzite, Qz-pebble conglomerate, argillaceous sediments, andesite to basaltic volcanics: massive, tuffaceous and pelleted types, gabbro and peridotite sills. Concluded the narrow nature of the conglomerate bands and the unimpressive radioactivity dose not leave much for the occurrence of significant U308 mineralization.	Recommended two (2) drill hole located at in the center part of the map to investigate a large overburden covered area and another one drill hole in contact between quartzite and granite gneiss partly covered by overburden.
MRNQ	1977	RG-184			X			X			A part of geological map are now under the water of La Grande reservoir.	
SDRJ	1978	GM 36000	X								Report contain 1:250 000 sheets with location sample and ranged assayed raw results with symbols for Ag, Co, Cu, Fe, Mn, Mo, Ni, Pb, U and Zn.	
Resources minieres Pluinior	1988	GM 48684									Several magnetometer anomaly axis were identified which majority of them are attributed of magnetite iron formation and another attributed of peridotite intrusive. Some magnetometer axis are coincidence with EM-TBF anomaly axis and are attributed as pyrrhotite massive sulfides from sulfide iron formation and / or peridotite sill. Majority of EM-TBF conductors is weak conductor and are interpreted as from weak mineralized shear zones in geological contact zone oriented NNE-SSW. On grid 3114 township grid, several weak to strong EM-VLF conductors axis were identified. The strongest one conductor measure 1.5 km long and is interpreted as from granitic and sulfidic schist located within sheared mafic tuff. Several Au, Ag and Ni occurrences were found in the EM conductors.	Recommended EMH MAXMIN survey to determine thickness/conductivity parameter and thickness of conductors intercepted in EM-TBF survey. Also IP survey recommended

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									Geophisic Mag (ground)	Geophisic Mag (air)	Geophisic Time domain VTDEM (air)	Geophisic EM (air)	Geophisic HLEM Horizontal Loups (ground)	VLF/TBF (ground)	Beep Mat	Induce Polarized (ground)	Gravimetric (aerial)	Radiometric	
Ressources minières Platiner	1988	Gm 48682	Lithological sampling, Yasinski Lake property	Ressources minières Platiner	Two blocks in center and south parts	X		X											
Ressources minières Platiner	1988																		
Ressources minières Platiner	1989	GM 50501	Rapport de travaux de terrain, propriété Radisson	Noranda Explorations &	Entire and small part of outer margin south	X		X							X				
Ressources minières Platiner	1989																		
Exploration Noranda	1989	GM 50180	Rapport des travaux effectués sur la propriété Radisson pour l'année 1989	Exploration Noranda	Large area majority outside and far to the south-west	X		X											
Exploration Noranda	1989																		
Exploration Noranda	1989																		

Company Owner	Date	Report Number	Geochemistry			Petrography	Drilling (total in metre)	Geoscience study	Compilation	Photo interpretation	Significant and Relevant Results	Recommendations
			Sediment s. Lake	Sediment Stream	Litho geochemistry							
Ressources minières Platinar	1988	Gm 48682									Approximately 250 grab assayed samples were taken on the Yasinski property into 2 blocks. Majority of them are no description (185 sp). Three (3) grab samples contain high grade of gold (4760, 4880 and > 10000 ppb Au) accompanied with anomalous values of arsenic (> 10 000 µg), silver (0.1 to 10.8 ppm Ag), copper (118 to 1454 ppm Cu), lead (58 to 818 ppm Pb), antimony (45 to 20 ppm Sb), Nickel (103 to 350 Ni) and molybdenite (7-8 ppm Mo). One sample contain gold (284 ppb Au) and copper (4490 ppm Cu) values and another one contain only gold value at 300 ppb Au. Few samples gave anomalous values of chrome from 100 to 3740 ppm Cr, cobalt from 71 to 200 ppm Co and nickel from 942 to 1740 ppm Ni with low anomalous grade of palladium (10 to 26 ppm Pd) and none in platinum.	No recommendation proposed
Ressources minières Platinar	1988										Another samples were analysed for Au, Ag, Cu, Zn and As. The assay results shows high grade of gold (12,401 ppb Au or 0.35 oz/t Au) with poor values in Cu (174 ppm), As (2.0 ppm) and Ag (1.0 µm) come from NNW-SSE trending quartz-tourmaline-chlorite-sulfide (?) veins (sample 8801). Another high-graded gold sample contain 5,493 ppb Au and 0.2 oz/t Au without any anomalous other elements from chloritized amphibolite with quartz veins. Medium grade of gold was reported (1,928 ppm Au) accompanied with copper (65,000 ppm Cu) and silver (26.0 ppm Ag) from chloritized tuff with 60% pyrite and 10% chalcocopyrite. Low grade of gold (466 ppb Au) was reported accompanied with high arsenic value (25,342 ppm As) with copper (507 ppm Cu) from sheared silicified tuff with 20% pyrrhotite and 20% arsenopyrite. Several samples contain low gold value ranging from 25 to 119 ppb Au from sheared, altered (ser, sil, sil, fux) and sulfurized (py, po, vj- cp, vj- natf copper, vj- usp) amphibolite, quartzite, or tuff with or without quartz veins. Some samples from Cu-Ni occurrences found in sheared gabbro-peridotite sills were assayed for nickel (1000 to 2600 ppm Ni), copper (2300 to 3650 ppm Cu), palladium (500 to 1000 ppb Pd), platinum (110 to 200 ppb Pt) and gold (24 to 44 ppb Au).	No recommendation proposed
Ressources minières Platinar	1989	GM 50501						X			Geology of property consisting of pillowed metabasite contact with sheared, mylonitized, and altered (bo+) polyphase granitic intrusives (granite, granodiorite, pegmatite, gneiss granitique), iron formation and peridotite were seen but there is small to appear on the regional map. There strong magnetic signature. Compilation do not reveal significant mineralization. BeepMat survey permit to explained previous EM airborne anomalies by sulfides (po, py)-rich within mylonitized amphibolite with boudined quartz veins.	Further exploration works were recommended. It is suggested geological, litho geochemical, and BeepMat surveys covered contact zone with granitic batholite and amphibolite country rocks
Ressources minières Platinar	1989										About 102 grab samples were taken on Yasinski property which all assayed for Au and Cu, some for Zn, Cr and Ni. Several samples contain gold anomalous values range between 25 to 100 ppb Au (7 samples) and between 100 to 303 ppb Au (3 samples). The best gold values (> 100 ppb Au) majority come from amphibolite cuts by quartz-chlorite-carbonate-sulfide (py, cp) veins. Gold veins are always accompanied with high-copper values ranging from 1580 to 17600 ppm Cu.	
Exploration Noranda	1969	GM 50180						X			Exploration works and detail geology were carried out in claim block call Ultra Lake. Detail geology permit to identified several bands of serpenitized and mineralized peridotite separated by several (full-)mylonitized zones characterized by strong alterations (silica, muscovite, biotite, fuchsite) misinterpreted as "quartzite". Chloritized amphibolite contain disseminated sulfides cuts by meter-sized quartz veins. These numerous deformation could have been less effort to prospecting.	For lac Ultra area authors suggest further exploration work and prospecting
Exploration Noranda	1969										The deformation zones were locally associated with EM conductors. High magnetometer anomalies attributed to the presence of magnetite from thin iron oxide formation bands. Those deformation colours mapped are concordant and characterized by anathomized shear zone oriented NNE-SSW. There cuts by senestral secant fault zones oriented ENE-WSW which reoriented main foliation to this direction by hectometre-sized tectonic blocks. Late fracture package oriented NW-SE cuts the ENE-WSW secant fault zones	
Exploration Noranda	1989										On lac Ultra area several gold occurrences were found which are majorly located in intersection of concordant NNE-SSW trending fault zones and discordant (secant) ENE-WSW trending fault zones affected gabbro, amphibolite, and peridotite sills which transformed to talc-actinolite-chlorite schist. Gold occurs in sheared, mylonitized, altered (te+, dr, bo+, ac+, gr+, sil, sil, fu+) and sulfurized (py, po, cp, vj- sp) amphibolite, gabbro and peridotite as well as muscovite-quartz schist (felsic rocks?) cuts by boudined and brecciated quartz-carbonate-chlorite-sulfides (py, po, cp) veins and pods. Gold results from assayed grab samples graded from 50 to 100 ppb Au with few samples ranging between 100 to 600 ppb Au and four (4) samples gave more than 1000 ppb Au such as 1081, 1030, 5670 and 12,080 ppb Au. Gold mineralizations are associated locally with copper (0.15 to 0.75% Cu), silver (1.2 to 1.4 ppm Ag), zinc (0.26 to 0.32% Zn), nickel (0.12 to 0.29% Ni), platinum (191 ppb Pt) and palladium (973 ppb Pd).	

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									Geophisic Mag (ground)	Geophisic Mag (air)	Geophisic Time domain VTDEM (air)	Geophisic EM (air)	Geophisic HLEM Horizontal Loups (ground)	VLF/TBF (ground)	Beep Mat	Induce Polarized (ground)	Gravimetric (aerial)	Radiometric	
Exploration Noranda	1989	GM 49087	DIGHEM IV Survey, Project Radisson - 1241.	DIGHEM Survey & Processing I	Several SNRC sheets included 33F						X		X		X (air)				
Exploration Noranda	1989	GM 45086	Rapport de travaux de terrain, propriété Radisson	Exploration Noranda	All 33F06 sheet	X		X								X			
Ressources minières Platinor	1989	GM 48683	LEVES GEOPHYSIQUES, PROPRIETE DU LAC YASINSKI	DIGHEM Survey & Processing & SAGAX	Two blocks in center and south parts						X (240 km)		X (DIGHEM)		X (air) 240 km				
Ressources minières Platinor	1990	GM 50503	Levé de polarisation provoquée, propriété Yasinski	SAGAX Géophysique	North part												X (?)		
Ressources minières Augyva	1990	GM 50502	Levés MAG et EM-TBF, propriété du lac Yasinski	SAGAX Géophysique	Northern part						X (29.4km)				X (29.4km)				
Ressources minières Platinor & Ressources minières Augyva	1990	GM 50436	Rapport de sondages, propriété Lac Yasinski Jan-Fev 1990	Ressources minières Platinor & Ressources minières Augyva	Northern half part	X (Au, Ag, As, Cr, Cu, Ni, Pb, Pd, Pt, Zn)													
Ressources minières Platinor & Ressources minières Augyva	1990																		
Ressources minières Platinor & Ressources minières Augyva	1990																		
Ressources minières Platinor & Ressources minières Augyva	1990	GM 50437	Rapport de sondage, propriété Yasinski, oct-nov. 1990	Ressources minières Platinor & Ressources minières Augyva	Northern half part	X (Au, Ag, As, Co, Cr, Cu, Fe, Ni, Pb, Pd, Pt, Rh, W, Zn)													
Ressources minières Platinor & Ressources minières Augyva	1990																		

Company Owner	Date	Report Number	Geochemistry			Petrography	Drilling (total in metre)	Geoscience study	Compilation	Photo interpretation	Significant and Relevant Results	Recommendations
			Sediments Lake	Sediment Stream	Litho geochemistry							
Exploration Noranda	1989	GM 49087									Significant mag, EM and VLF anomalies were reported in compilation maps.	No pertinent recommendations
Exploration Noranda	1989	GM 49086						X			Same as GM 50180-50181	Exploring contact zone between amphibolite-gabbro-peridotite intrusives and granitic gneiss country rocks
Ressources minières Platiner	1989	GM 48663									Two (2) long EM DIGHEM conductors were identified which are 200-400m in width by 8.5 km long oriented NNE-SSW parallel to rock bedding and is interpreted as possibly a massive sulfide horizon. Mag survey permit interpreted a large and long magnetic couloir oriented NNE-SSW. There interpreted as come from ultramafic rocks in regards of regional geology map with possibility of pyrrhotite massive sulfides bodies.	MAG & Em ground survey are recommended.
Ressources minières Platiner	1990	GM 50503									About eight (8) IP anomalies were identified with different resistivity. Four (4) polarized axes associated with EM DIGHEM conductors and magnetic axis were identified. There corresponding to iron formation with possibly sulfides occurrences. Another four (4) polarized axes are associated with semi-conductive axes.	Recommended drill holes to intersected IP anomalies
Ressources minières Augvya	1990	GM 50502									Several IP anomalies are superposed to EM conductors. The survey permit to characterized targets which are located in geological contact and fault zones. About ten (10) EM-IPF anomalies axes were identified, four (4) are high priority (YAC, YB, YC, YF), two (2) are second priority (YAL, YD), three (3) are third priority (YE, YG, YI) and one is fourth priority (YH). High priority targets should be drilling, also second and third priority such as YB (YB), YE, YF and YA. Suggest also additional IP and mag surveys.	
Ressources minières Platiner & Ressources minières Augvya	1990	GM 5043B					X (7 DDH = 3990m)				The seven (7) holes were drilled to test: 1) Cu-Ni-Pt-Pd mineralization discovered in lake Ultra in 1988; 2) Electromagnetic conductor associated with Cu mineralization showing extension; 3) make a stratigraphic reconnaissance section across a 340 degree fault zone which authors suspected potential mineralization; 4) Checks magnetic anomaly associated with EM conductor axis associated with gold showing extension. The best mineralized intersection are: 2.9 g/t Au and 38.4 g/t Ag over 2.4m (hole 2100N-1) within amphibolized (coarse amphibole) chloritized, silicified and locally biotitized mafic to intermediate tuff with disseminated pyrite, pyrrhotite, sphalerite, galena and arsenopyrite. Mafic tuff bands are intercalated with pyritized and altered (sp, sil) felsic tuff. The felsic tuff graded lowest gold (< 160 ppb Au) than mafic bands.	
Ressources minières Platiner & Ressources minières Augvya	1990										Thin gold intersection were found in hole 1400N-1 (7.9 g/t Au and 2.8 % Cu / 0.2m) and hole 1800N-1 (4.4 g/t Au and 3.6% Cu / 0.3m). The gold intersection from hole 1400N-1 is located within sheared and altered (am-, gr-, cl-, bo-, si-) basalt and mafic tuff with qz-cb vein with pyrrhotite (18%) and chalcocopyrite (10%). The gold intersection of hole 1800N-1 is within sheared and altered (cl-, am-, bo-, si-) basalt cuts by qz-cb-cp, cp 30 cm of width vein. All holes intersected mafic to intermediate tuff intercalated with impur quartzite (silicified zone 2), peridotite, basalt and mafic tuff. Gold mineralization is associated with mafic tuff or basalt units with deformation, strong alterations accompanied locally with quartz veins and copper mineral.	
Ressources minières Platiner & Ressources minières Augvya	1990										Another holes intersected low grade of copper and nickel (best 0.3% Cu and 0.5 % Cu-Ni over 3.4m), medium grade of chrome (best 2% Cr2O3 / 4.8m) and low grade of Pt+Pd (0.45 g/t / 8.3m). Platinoid occurrences are within sheared and altered (am-, cl-) gabbro - pyroxenite body with sp, cp, in contact with altered (ics, sr-) peridotite.	
Ressources minières Platiner & Ressources minières Augvya	1990	GM 50437					X (20 DDH = 2965m)				The Oct. - Nov. 1990 drilling is carrying to verify 1) the extension of new Au-Ag mineralization intersection from hole 2100N-1, and 2) I.P. and magnetometer anomalies located in possible extension of 2100N-1 gold intersection. The drilling campaign explored for gold but also for chrome, platinum and nickel mineralizations. Six (6) from eight (8) holes (2000N to 2150N) drilled to explore new 2100N-1 gold occurrence intersected gold mineralizations. The best gold intersection is 2.86 g/t Au over 7.2m including 5.01 g/t Au over 3.15m (hole 2050N-1). The gold mineralization intersected is within sheared, altered and sulfidized mafic to intermediate tuff intercalated with low-graded gold and altered felsic tuff.	Further exploration works were recommended to continues drilling
Ressources minières Platiner & Ressources minières Augvya	1990										Cone samples were assayed for Au, Ag, Cu, Zn an As. Few significant intersections were found: 1.4% Zn over 0.5m (hole 2000N-2); 0.27% Pb over 0.5m (hole 1600N-1); 0.8% Cu over 0.2m and 0.45% Cr over 4.6m (hole 2400N-1); 3.7% Cr2O3 and 0.15% Ni over 6.7m (hole 3500N-1); 13.86% Cr over 3.2m and 10.74% Cr2O3 over 6.1m (hole 2700N-1); 0.17% U over 1.5m (hole 3600N-1); 10.9% Cr2O3 over 12.7m and 0.17% Ni over 3.1m (hole 4930N-1); 4.1% Cu over 0.3m and 23% Cr2O3 over 0.9m (hole 5100N-1). Some high arsenic sections were found. The gold zone "Augvya-Platinium" was characterized which measuring 150m long by 120m deep and by 1.5m to 7.2m in width. The Au zone is open to the south-west and to down dip	

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									Geophisic Mag (ground)	Geophisic Mag (air)	Geophisic Time domain VTDEM (air)	Geophisic EM (air)	Geophisic HLEM Horizontal Loups (ground)	VLF/TBF (ground)	Beep Mat	Induce Polarized (ground)	Gravimetric (aerial)	Radiometric	
Exploration Noranda	1990	GM 50181	Rapport des travaux effectués sur la propriété Radisson pour l'année 1990	Exploration Noranda	large area majority outside and far to the south-west	X		X											
Exploration Noranda	1990																		
Ressources MSV	1990	GM 49771	Traitement et analyses de données Landsat TM et Géophysique, région de la Bale-James	ROCHE Ltée & Michel Rhéault - Consultant	Covered all 33F sheet and more					X								X	
Ressources Minières Augyva & Ressources minières Platiner	1991	GM 51236	Rapport de sondage, Propriété Yasinski, Oct-Déc 1991	Ressources Minières Augyva & Ressources minières Platiner	Center	X													
Ressources Minières Augyva & Ressources minières Platiner	1991																		
Ressources Minières Augyva & Ressources minières Platiner	1991	GM 50517	Rapport de sondage, Propriété Yasinski, Jan-Feb 1991																
Ressources Minières Augyva & Ressources minières Platiner	1991																		

Company Owner	Date	Report Number	Geochemistry			Petrography	Drilling (total in metre)	Geoscience study	Compilation	Photo interpretation	Significant and Relevant Results	Recommendations
			Sediment s. Lake	Sediment Stream	Litho geochemistry							
Exploration Noranda	1990	GM 50181			II	X			X		Sheared, mylonitized and altered amphibolitic rocks were targeted in the geological reconnaissance project. Altered amphibolite shows by actinolite, biotite, muscovite, fuchsite, garnet, chlorite and quartz. Amphibolite is sheaf-like basalt origin. The iron formation is poor altered but fractured. The peridotite fills are now deformed but there strong altered to serpentine with chrysolite filling in tension fractures. Several EM conductors were examined by BeepMat survey. The conductor are explained by sheared/mylonitized, silicified and sulfidized zones, locally accompanied with graphite. Numerous grab samples assayed for Au, Cu, Zn	Further exploration work is recommended such as: 1) prospectation all property and along EM conductor axis; 2) induce polarized and magnetometer survey
Exploration Noranda	1990										Petrographic study permit to conclude that: 1) gold mineralization occur within sheared and mylonitized K-micas-rich quartzfeldspathic rock with muscovite, biotite, and +/- fuchsite from amphibolite; 2) gold mineralizations are mainly located in intersection of concordant fault zone and secant deformation zone; 3) gold occurrences are also present in tension gash located outside and margin of compression deformation zones; 4) quartz veins are metre to decametre-sized; 5) gold anomalous values occurs also in silicified peridotite	
Ressources MSV	1990	GM 49771								X	No pertinent information	No pertinent recommendations
Ressources Minières Augvya & Ressources minières Platinoir	1991	GM 51236					21 ddh (3211m)				Seven (7) ddh (4000N-1 to 4200N-1) of total of twenty one (21) ddh were targeted in "4100 Nord" chromite occurrence characterized by multi meter sized massive chromite lens within strong altered (tc-, cb-) peridotite sill filled between mafic volcanic and volcanoclastic rocks. The best results of the 7 ddh come from ddh 4100-2 which gave 13.80% Cr2O3 over 6.9m. Three (3) drilling holes were drilled in "5100N" Ni-Cu and Cr occurrences package area discovered in previous drilling campaign. The Cu-Ni mineralization occurs within metabasalt, while the chromite occurs within altered peridotite body. The best intersection intersected in these 3 ddh is 0.89% Cu and 0.14% Ni over 2.5m, and 5.37% Cr and 4.39% Cr over 3.15m and 4.95m respectively. Those ddh confirms chromitic body measuring minimum 200m long close to the surface until 175 deep minimum.	Further exploration work were recommended
Ressources Minières Augvya & Ressources minières Platinoir	1991										Five (5) ddh (2550N-1 to 2800N-1) were targeted on " 2700N-1" Cu-Ni, Cr occurrences. The Ni-Cu, Cr occurrences are same geological setting than Ni-Cu, Cr "4100N-1" occurrence described above. The Cu-Ni mineralization consisting of the mixed of pyrrhotite, pyrite, pentlandite, chalcopyrite and arsenopyrite. The best intersections found are 0.50 to 0.82% Ni, 0.10 to 0.39% Cu and one gold value of 0.89 g/t Au over intersections from 4.2 to 7.3 m. There confirm a Ni-Cu sulfides body measuring 150m long close to surface by 160m minimum deep. Chromite lens where also intersected in holes "2550N-2800N" which graded from 4.2 to 12.79% Cr2O3 over 1.5 to 6.55m in width. There confirm that "2700N" chromite body measuring 150m long minimum by 70m deep minimum. The gold (Au) assay results confirms also a high level of gold background of 25 ppb Au are more. A significant gold values such as 2.5 g/t Au over 3.7m with 4.5 g/t Au over 1.55m were intersected at the end of hole 4400N-1 from quartz-tourmaline-sulfides veins.	
Ressources Minières Augvya & Ressources minières Platinoir	1991	GM 50517					14 ddh (2192m)				Objectif of drilling are : 1) Deeping extension of gold occurrence from ddh 2100N-1; 2) Check EM-TBF, MAG and IP anomalies located in northern part of the grid; 3) Deeping extension of chromite and nickel-copper intersections discovered in previous drilling campaign. Three (3) drill holes (2050N to 2100N) from total of fourteen of drilling campaign were drilled in gold discovery in hole 2100N-1. The gold occurs within sheared, altered (bo+, si+) and mineralized intermediate to mafic amphibole-rich tuffaceous rocks contact with felsic tuff or epiclastic metasediments. Intermediate to mafic tuff contains disseminated pyrrhotite with locally scattered pyrite, chalcopyrite, sphalerite and arsenopyrite. Its look like stratiform sulfides occurrences. Two (2) of the three (3) holes were intersected significant gold intersections, hole 2100N-4 intersected 2.77 g/t Au over 1.35m and another hole with same grade and width and one high grade intersection (10.18 g/t Au over 0.2m).	Recommended to continues exploration works and drilling to investigated lateral and deeping extension of chrome, Cu-Ni and gold occurrences.
Ressources Minières Augvya & Ressources minières Platinoir	1991										Ten (10) drill holes (3700N to 5100N) were targeted to check: 1) north-east extension of gold discovery from previous drill hole 2100N; 2) IP and/or mag anomalies caused by the presence of peridotite body; 3) deeping and lateral extensions of previous chromite-rich intersections found in previous drilling campaign. Four (4) chromite-rich lens within altered peridotite body intersected and observed over 2.0 km long couloir. The best chrome intersection found in 10 drill holes is from only one hole (ddh 4100N-1) which gave 19.75% Cr2O3 over 9.1m and the rest of holes were ranging from 2.26% to 6.13% Cr2O3 over 0.7 to 4.1 meters. The best gold, and copper mineralizations intersected is from hole 4915N which assayed 1.32% Cu, 0.54% Ni and 0.66 g/t Au over 0.45m within quartz-carbonate vein. Palladium occurrence was found in hole 4900N-1 with 1.4 g/t Pd and 0.2% Ni over 0.25m.	

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									Geophysics Mag (ground)	Geophysics Mag (air)	Geophysical Time domain VTDEM (air)	Geophysical EM (air)	Geophysical HLEM Horizontal Loups (ground)	VLF/TBF (ground)	Beep Mat	Induce Polarized (ground)	Gravimetric (aerial)	Radiometric
M.E.R.	1991	FG-033C-CL	Carte de localisation des gîtes minéraux 033C / Mineral Occurrences Map, 033C Sheet	MER														
Ressources Minières Augyva & Ressources Minières Platinar	1992	GM 51268	Levé MAG, EM-TBF et MELIS. Propriété lac Yasinski - grille nord	SAGAX Géophysique	Northern half part					X (24.25 km)				X (25.4 km)	X (24.25 km)			
MRNQ	1995	PRO 95-06	Cadre géologique et potentiel minéral des roches archéennes du bassin de la Grande Rivière, Baie-James	MRNQ	Entire and more													
Mines Vauquellins Ltée	1996	GM 55250	Rapport d'un levé magnétométrique	SAGAX Géophysique	Southern half part					X (94.5)km								
MRN	1996	MB 96-13	Géologie de la région du lac Salami, SNRC 33F	MRN	Entire and more			X										
Gaspésie, Société d'exploration Minière Inc., Propriété Vauquelin s.v.	1997	GM 56157	Rapport sommaire sur des travaux géophysiques au sol: Levés magnétiques et E.M.H. Max/Min II	Gérard Lambert Géosciences						X				X				
EX-IN Explorateurs-Innovateurs de Québec inc.	1997	GM 55997	Projet La Grande, Levé au Beep Mat	EX-IN Explorateurs-Innovateurs de Québec inc.	Center West	X		X		X				X				
EX-IN Explorateurs-Innovateurs de Québec inc.	1997																	
EX-IN Explorateurs-Innovateurs de Québec inc.	1997	GM 55442	Syndicat du Beep Mat 1996. Rapport final des travaux été et automne 1996	Geosig Inc.	Southern half, and more far south and south-west	X										X		
Mines Vauquellins Ltée	1997	GM 55249	Levé de polarisation provoquée	GÉOLA	Center east												X (14.7)km	

Company Owner	Date	Report Number	Geochemistry			Petrography	Drilling (total in metre)	Geoscience study	Compilation	Photo interpretation	Significant and Relevant Results	Recommendations
			Sediments Lake	Sediments Stream	Litho geochemistry							
M.E.R.	1991	FG-033C-CL									Compilation and location of mineral occurrences in 33C sheet	
Ressources Minières Augvya & Ressources minières Platinox	1992	GM 51268									Several EM-TBF anomaly axis and magnetic anomalies were identified on southern part of the north grid. MELUS EM survey carried out on the north grid permits to identified six (6) EM conductors which are pursued with great depth (> 500m).	Suggests updated compilation and borehole EM survey after drilling.
MRNQ	1995	PRO 95-06					X	X			The report identified several mineralization types same as exposed in RC 96-16. All mineralization types were reviewed accompanied with recommendation for further exploration work. They are: 1) The Cu-Zn-Pb +/- Au-Ag stratabound deposit (#4 type) located in fuchsite-bearing quartzite located close to peridotite lens. Base metal mineralized veins, locally with gold mineralizations, occurs within deformation corridor. Authors suspected not one but two types of gold mineralization, one stratigraphic setting while another is structural setting; 2) Layered ultramafic, leucite intrusive of Lac Menard contains gold and platinum in chromite lens and within Cu-Ni mineralizations. Gold mineralization also found within fuchsite bearing quartz pebble conglomerate. There suggests look for placer gold and / or platinum deposit within conglomerate; 3) Gold occurrence should be found in silicate - oxide iron formation bands particular when BIF overlapped discordant zone;	Magnetic anomalies associated with arsenic anomalies from rocks, soil, stream or bottom lake sediments are recommended to further exploration work.
Mines Vauquelin Ltée	1996	GM 55250									Found twenty (22) magnetic axes and two (2) magnetic domains. All magnetic lineament are oriented NNE-SSW. Four (4) magnetic zones interests were reported	Recommended west extension of grid, and HLEM ground survey carrying on property, ..
MRN	1996	M8 96-13									The report contain only annotated geological map with stratigraphic column and mineral occurrences at scale 1:750000	
Gaspésie, Société d'exploration Minière Inc., Propriété Vauquelin J.v.	1997	GM 56157									Several NNE-SSO trending strong HLEM (Max/Min) ground conductors were identified on grid which mainly are associated with same trend magnetic anomalies. There measuring meter to dozen meters thick by over 4.0 km long. The HLEM conductors come from metallic and graphitic shale and volcano-sedimentary rocks occurrences with possible pyrrhotite massive sulfides content. Max/Min profiles suggest a low dipping HLEM conductors.	Suggests follow up HLEM-Mag anomalies
EX-IN Explorateurs-Innovateurs de Québec inc.	1997	GM 55997									About 55 grab samples were recolled on conductive rocks from outcrops, blasts and trenches after Beep Mat surveying. Some gold anomaly values were reported from iron formation cut by quartz mineralized veins. The best mineralized grab sample come from magnetite and garnet-anthophyllite-bearing silicate iron formation (sizing 1-2m x 30-50m) with 10% pyrrhotite which gave respectively 1.0 and 3.0 g/t Au. A grab sample from smoky quartz veins with pyrrhotite gave 1.5 g/t Au from 200m x 1m sizing iron formation. Another gold anomaly values (365 and 201 ppb Au) from grab sample were found in contact zone between felsic pyroclastic rocks and iron formation. Copper anomalous values (4945 ppm Cu) is reported from decimeter - sizing lens of graphitic sulf with 20% pyrrhotite-pyrite and 2% chalcopyrite in contact with basalt.	Recommended follow-up on several BeepMat conductors were found which are not trenching and sampling.
EX-IN Explorateurs-Innovateurs de Québec inc.	1997										Large (500m x 300m) and strong "X" shape MAXMIN anomaly was found which corresponding to a folded magnetite and sulfides iron formation. Strong mag anomaly follows and superposed the "X" shape HLEM anomaly.	
EX-IN Explorateurs-Innovateurs de Québec inc.	1997	GM 55442									About nine grab samples were located in Augvya property. One of them assayed 309 ppb Au from magnetic gabbro intrusive with 15% pyrrhotite. Another grab sample assayed 80 ppb Au from graphitic paragneiss with sulfides (20% po, 1% py, Tr cp) cuts by quartz vein. One sample from graphitic rocks with 15% pyrrhotite, 2% pyrite and trace chalcopyrite assayed 1867 ppm Cu.	No recommendation proposed
Mines Vauquelin Ltée	1997	GM 55249									About twenty seven (27) IP anomalies were identified which fifteen (15) are high priority while seven (7) are medium and five (5) are low priority. All are oriented NNE-SSW. High-priority IP anomalies are characterized by high chargeability and low resistivity.	Many IP anomalies are on the surface or very near the surface. Is recommended follow-up the IP anomalies by prospecting. Suggest EM ground survey to discriminate the IP anomalies

Company Owner	Date	Report Number	Name of Report	Company did work	Part of covered property	Rock Sampling and assaying	Gridding Total (length)	Geology Mapping	GEOPHYSIC SURVEY										
									Geophysical Mag (ground)	Geophysical Mag (air)	Geophysical Time domain VTDEM (air)	Geophysical EM (air)	Geophysical HLEM Horizontal Loups (ground)	VLF/TBF (ground)	Beep Mat	Induce Polarized (ground)	Gravimetric (aerial)	Radiometric	
MRN	1997	MB 97-30	Cadre géologique, style et répartition des minéralisations métalliques du bassin de la Grande Rivière, Territoire de la Bale-James	MRN	Entire and more														
MRN	1997																		
EX-IN Explorateurs-Innovateurs de Québec Inc.	1998	GM 55998	Projet LA Grande, Permis 1291, Tranchées, MaxMin et forages	EX-IN Explorateurs-Innovateurs de Québec Inc.	Center West	X		X								X			
EX-IN Explorateurs-Innovateurs de Québec Inc.	1998																		
M.R.N.Q	1998	RG98-16	Géologie de la région du lac Kowskateh-kaknow (336316)	M.R.N.Q	Entire and more			X											
M.R.N.Q	1998																		
Mines d'Or Virginia	1999	GM 58326	Rapport final sur la détection des chapeaux de fer à l'aide d'images Landsat TM	Groupe Conseil Cygnus	Entire and covered large area far north and east														
Syndicat du Beep Mat 1996	1999	GM 56878	Levé au Beep Mat, Secteur Bale James	EX-IN Explorateurs-Innovateurs de Québec Inc.	South West quarter	X									X				

Company Owner	Date	Report Number	Geochemistry			Petrography	Drilling (total in metre)	Geoscience study	Compilation	Photo interpretation	Significant and Relevant Results	Recommendations
			Sediment s. Lake	Sediment Stream	Litho geochemistry							
MRN	1997	MB 97-30						X	X		This report contain review of mineralization occurrences in James-Bay area. There selected and regrouped to ore deposit types which regrouped to Archean and Proterozoic type deposits. Archean includes: 1) magmatic type deposit which included 1a) chromitite and copper, nickel and platinum mineralizations; 1b) molybdenite, uranium, lithium and beryl occurrences in pegmatite; 2) hydrothermal types included 2a) auriferous shear zone; 2b) auriferous iron formation; 2c) sheared zone and Zn-Pb-Cu-Ni-Ag-Au substitution/replacement; 3) Hexalalif and chemistry sedimentary rocks such as 3a) Iron formation, 3b) Zinc and copper iron formation, 3c) Stratiforme Cu-Ag associated with sandstone, arkose and felsic volcanics; 4) uraniferous conglomerate	
MRN	1997										Paleoproterozoic type ore deposit Included: 1) Barytine veins and stockwork; 2) Pechblende, brannite, millerite et seleniure veins and veinlets stockwork; 3) uranium and copper disseminated in sandstone; 4) stratoid uranium and copper minerals in redox siltstone. Several ore deposit types occurrences were recognized in Augvya-Yasinski property and close to it which majorly were reported in RG 98-16.	
EX-IN Explorateurs-Innovateurs de Québec Inc.	1998	GM 55998					X (61M)				West part of property covered by EX-IN company content north-south trending mafic to felsic pyroclastic rocks intercalated in peléosed basaltic rocks. Some lapilli and blocky felsic pyroclastic rocks, agglomerate, and conglomerate were mapped. Silicate (granite, antophyllite, garnet), oxide (magnetite) and sulfide (po, py) cherty iron formation were also identified. Graphite horizons were reported within iron formation. Quartz-carbonate +/- sulfides veins were common which there concordant to pyroclastic wall rocks. These veins are within dozen meters sizing thick iron carbonatized alteration zones. Some veins were observed over 500m long alteration colour.	
EX-IN Explorateurs-Innovateurs de Québec Inc.	1998										Several samples were taken on beepMat and MAXMIN conductors associated with magnetic anomalies which there interpreted as from graphitic oxide-sulfides-rich iron formation contact with felsic or mafic rocks. Assayed samples come from blasted rocks and trenches, some are bulk samples from 2 to 10kg weighted samples. Selected samples such as high sulfides content sample gave 208 ppb Au while poor sulfide content sample gave 2382 ppb Au, and both type gave 693 ppb Au. Other trench gave from channel samples a anomalic gold values of 146 and 350 ppb Au over 3.0 and 1.4m respectively. Two major shallow MAXMIN conductors founded in property were drilled (2 dth 155 and 45'). There intersected weak gold occurrences of 350 ppb Au over 10' (3.1m) and 500 ppb Au over 6' (1.83m) within magnetic felsic tuff with 15-20% po and quartz veins. the felsic tuff is within contact zone between mafic rock and iron formation. The second conductor intersected in hole content sulfides (po,py, +/- cp) but no gold assay reported.	Detail prospecting and more investigation are proposed on new gold showing and surrounded area.
M.R.N.Q.	1998	R698-16			X				X		In 1994 The Ministère des Ressources Naturelles beginning regional mapping (scale 1:50000) included geological mapping, datation of rocks, grab sampling and lithological assayed to evaluated mineral content, and mineralization. A new Formations were identified and described. About fifteen (15) mineral deposit types were identified from compilation of mineral occurrences within SRNC 33F16. Mainly of those are located in half part of the SMRC sheet. Six (6) of those are recognized in Augvya-Yasinski property such as deposit types: 5, 7, 9, 11, 12 and 13.	Four (4) deposit types are contains sufficient mineral potential to warrant further work: they are deposit types: 3, 9, 11 and 12.
M.R.N.Q.	1998										The fifteen deposit types are: 1) Uraniferous quartz pebble conglomerate may be related to Witwatersrang of South Africa; 2) Oxide (Fe) iron formation, Algoma types 3) Sulfides iron formation, Algoma types 4) Disseminated sulfides (Cu-Zn-Pb-Au-Ag-As) within fachiite-bearing quartzite; 5) Volcanic massive sulfides mineralization associated with felsic rocks complex; 6) Auriferous stratiforme sulfides deposit associated with silicate/oxide iron formation; 7) Stratiform gold mineralization associated with altered zone located at the top of mafic volcanic flow; 8) Epigenetic Cu-Ag (+/-)Se mineralization; 9) Magmatic Cr-PGE (+/-)Ni (+/-)Cu mineralization; 10) Magmatic vaniferous magnetite deposit; 11) Renobilized Cu-Ni-Co-PGE (+/-) Au mineralization; 12) Au-Ag-As +/- Au veins associated with gabbro dykes of Menaric complex; 13) Tardi-tectonic polymetallic (Cu-Zn-Pb-Ag-Au +/-) Ni mineralization vein; 14) Gold mineralization associated with concordant shear zones; 15) Mineralization (U, Be, U, Th, Mo) associated with pegmatite.	
Mines d'Or Virginia	1999	GM 58326								X	The spectral study covered a large part of Jame Bay area is to finding gossan zone. No target was identified in Yasinski property.	
Syndicat du beep Mat 1996	1999	GM 56878									Nine grab samples were taken on Yasinsky property. Some anomalous gold values were reported. One sample graded 305 ppb Au from magnetic gabbro with 15% disseminated pyrrothite. The second sample graded 80 ppb Au from graphitic paragneiss with disseminated sulfides (20% po, 1% py, Tr, cp) cut by quartz veins. A value of 1867 ppm Cu from graphitic paragneiss with disseminated sulfides (15% po, 1% cp, 2% py) cut by quartz veins is also reported.	No recommended to claim the examined areas

Company Owner	Date	Report Number	Name of Report	Company did work	Part of covered property	Rock Sampling and assaying	Gridding Total (length)	Geology Mapping	GEOPHYSIC SURVEY										
									Geophisic Mag (ground)	Geophisic Mag (air)	Geophisic Time domain VTDEM (air)	Geophisic EM (air)	Geophisic HLEM Horizontal Louns (ground)	VLF/TBF (ground)	Beep Mat	Induce Polarized (ground)	Gravimetric (aerial)	Radiometric	
MERQ	1999	MB-99-35	Kimberlite, lineaments et rifts crustaux au Québec	MERQ	Entire and more														
MRN	1999	MB 99-37	Caractéristique de centres volcaniques et de minéralisations de types sulfures massifs volcanogènes des séquences volcaniques du lac Sakami et de la	MRN	Entire and more	X		X											
Canico & SDBJ	2000	GM 57876 GM 32119	Yasinski Lake Area, Winter Drill Program, Jan-Feb 1976	Canico & SDBJ	South part and more south	X		X											
Canico (Canadian Nickel Co.) & SDBJ	2000	GM 57877	Yasinski Lake Project, Canico-James Bay Joint Venture, Report for period of June - September, 1975	Canico & SDBJ	Small part of southern margin of block of claims		X	X	X										X (Ground)
Canico (Canadian Nickel Co.) & SDBJ	2000																		
MRNQ	2000	MR 2000-13	Geochimie des roches volcaniques et des formations de fer du Groupe de Yasinski, Sous-Province de la Gande	MRNQ	Entire and more														
Ressources Dianor inc.	2001	Gm 60813	Photo-Interprétation et cartographie des dépôts meubles de surface	Géos Sciences inc.	North west corner part														
Ressources Dianor inc.	2002	GM 59632	Rapport de travaux sur les propriétés Iron Jack, Lac Hélène et Castor, Bale James	Geologica Groupe Conseil	Entire and covered large area far east	X		X											
Guy Galameau	2003	GM 60553	Projet Radisson. Rapport de prospection 2002	Jacques Marchand Ing. Géo.	Half part and south outside block of claims	X (5 sp)			X									X	

Company Owner	Date	Report Number	Geochemistry			Petrography	Drilling (total in metre)	Geoscience study	Compilation	Photo interpretation	Significant and Relevant Results	Recommendations
			Sediment s. Lake	Sediment Stream	Litho geochemistry							
MRQ	1999	MR-99-35						X	X		This diamond potential study identified several "structural" couloirs located in Bale-James area which contain a potential for kimberlite and finally diamond occurrence. The structural kimberlite potential structures are characterized by: 1) lens and low lineaments; 2) presence of alkali intrusives such as carbonatic, ultramafic lamprophyres, nepheline syenite and aenoid; 3) Graben-type sedimentary basin. Four (4) structural couloirs were identified in Superior province which one of them, call "Couloir Wemindji - Caniapiscan" covered entirely the Augvya property. The small (100-300m diameter) circular magnetic anomaly is an excellent target for kimberlite but any this type of mag anomaly is suspected in Yasinski property	
MRN	1999	MB 99-37			X				X		No volcanogenic massive sulfides deposit occurrences wasn't found in the Lac Duncan, lac Sakami and rivière Eastmain area. Some sectors contain favorable geological setting for to explore a potential of VMS deposit. Semi-massive sulfides (py,po, +/-cp, +/-sp) occurrences were observed in black shale intercalated within sandstone bands surrounded by basaltic lavas flow in Lac Duncan area. This geological context is comparable to Bershi massive sulfides type deposit.	
Canico & SDBI	2000	GM 57876 GM 32119					X (372.8m)				Radiometric survey and geological mapping (not published) as allowed to identify targets. Two boreholes were drilling to evaluated overburden covered area for the occurrences of U308 mineralization in beds of quartz pebble conglomerate, and to undercut a zone of surface U308 mineralization. Borehole 54427, located out and close to southern margin of Yasinski property, collared in quartzite for 155.5m intercalated with rare quartz pebble conglomerate beds at which time ultra mafic was intersected. Uranium mineralization was weak, scattered and confined to narrow sections. The best assays was 0.08% U308 over 0.5 feet.	No further work be recommended
Canico (Canadian Nickel Co.) & SDBI	2000	GM 57877									Reconnaissance of uranium occurrences by detail geology, ground magnetometer and radiometric surveys on grid which half part is included in Augvya claims. One diamond drill hole was performed to test which results indicated only minor uranium values. Magnetic survey indicated possible ultramafic body east of the quartz pebble conglomerate horizon. Geological mapping found arkose, quartzite, and quartz pebble conglomerate bound, to the west by a monotonous sequence of volcanic rocks and to the east by granitic gneiss. Mafic volcanics and iron formation are interbedded with the clastic sediments. The radioactive conglomerate occur as 1 to 20' wide lenses and bands, and achieve a maximum exposed thickness of 300' with interbedded in quartzite.	The weak uranium mineralization warrants no further investigation. Diamond drilling is recommended in where heavy overburden conditions prevail.
Canico (Canadian Nickel Co.) & SDBI	2000										Magnetometer survey used is a Share MN-1 fluxgate which measures the vertical component of the earth's magnetic field. This survey outlined on basic and ultramafic rocks types containing disseminated magnetic and/or pyrrhotite, and also locate sulfides concentrations. Radiometer anomalies reveal of quartz pebble conglomerate bands within quartzite and less of granite gneiss which source is probably potassium radiation. A higher radiometric anomalies (U or K ?) was interpreted within Augvya property which measuring approximately 120cpm by 250cpm (open to the north). Background is 10 cps on outcrop area, therefore, 30 cps or three time of background was used to define anomalous zones. Some values up to 100 cps.	NO diamond drilling was recommended
MRNQ	2000	MB 2000-13			X			X	X		Yasinski Groupe included toleitic basalt, calc-alkali intermediate to felsic volcanic rocks, and iron formation. There stratigraphically located upper of quartzite and conglomerate of Apple Formation which unconformably overlaps the Langeller gneiss complex. The iron formation come from distal deposit of hydrothermal fluids. The volcanics are come from limited extension of ensialic rift structure and partial fusion of the mafic/ultramafic crust. Komatiitic magma from partial fusion should be formation of peridotite and toleitic basalt. the formation of the basalt at the base of archean crust result of formation of calc-alkali rhyodacite and rhyolite magmas of Yasinski Group. Consequently, the authors concluded that the geological conditions of felsic magma differentiation in not favorable to production from the hydrothermal cells of volcanic massive sulfide deposit (VMS). The mineralized showing analysed from this study content low potential for MSV deposit.	
Ressources Dianor Inc.	2001	Gm 60813							X	X	The glacial flow is oriented WNW direction in Yasinski property. Some parts of Yaminski property content thick glacial deposit (> 1m) thick) and another parts content NE-SW trending thin glacial deposit (25cm to 1.0m). Some patches of fluvio-glacial deposit occurs. Several trumlin and moraine oriented N-S also occurs in Yasinski property.	Systematic reverse drilling on basement of thick and thin glacial deposit and MMI survey for searching kimberlitic plugs.
Ressources Dianor Inc.	2002	GM 59632							X		Exploration works carried out outside and far east of Yasinski property. Compilation of previous exploration work covered the north half part of Yasinski property	
Guy Galarneau	2003	GM 60553							X		The prospecton program aimed for gold, base metal and diamond occurrences. Grab samples were analyzed for 36 elements including precious and base metal. Five mineralized grab sample was taken on property. Some samples come from magnetic (10% pyrrhotite) felsic luff within basaltic rocks. Another sample come from quartz veins and other from conductive basaltic rock. One grab sample gave 1582 ppm Zn (sample SR02-RC004).	Recommended compilation of previous works, Deep Mat survey, and stream sediments survey.



Company Owner	Date	Report Number	Geochemistry			Petrography	Drilling (total in metre)	Geoscience study	Compilation	Photo interpretation	Significant and Relevant Results	Recommendations
			Sediments Lake	Sediments Stream	Litho geochemistry							
Ressources Minières Augvya Inc.	2007	GM 63463									The EM profiles show the existence of several conductor oriented NE-SW. Early and late time channels responses indicates that the EM anomalies are related to good conductors. The EM conductors are superposed with magnetic lineaments suggesting the causative sources are conductive and magnetic at the same time. The fact could characterized some magnetic rich sulfides and pyrrhotite. Magnetic survey reveals the existence of several magnetic lineaments trending from the southwestern corner to the northeast. A strong and large circular magnetic anomaly is observed in north east corner of the property attributed from mafic-ultramafic Menarik intrusive complex. The magnetic inversion obtained with the Euler deconvolution show that magnetic sources that are responsible for the observed anomalies have shallow depths ranging from 0 to 100m.	Further interpretation of EM data involving modeling and cross-section generation can be performed with the available EM interpretation and inversion software.
MRNF	2006	EP 2006-01					X	X			This study was identified 114 unclaimed targets of highly-favorable potential of orogenic gold type deposit in the Baie-James area at the time of Feb 2008. Much of the Augvya property is included within highly-favorable orogenic gold deposit potential. The three (3) unexplored showing named "Luc Atkamakach-S88", "Butte de l'instrument", and "Platinor-8801" are potential target for orogenic gold deposit. Two (2) high-favorable potential of orogenic gold type deposit targets were identified (F6-2 and F6-3).	Recommended to follow-up F6-2 and F6-3 targets.
MRNF	2009	EP 2009-01					X	X			This study report identified 138 highly-favorable potential targets for Cu-Au(Mo) type deposit in Baie James area which some are included in Yasinski-Augvya property. One (1) target was identified (F06-2) at north-east limit of Yasinski-Augvya property. Most part is the target is outside margin of property.	Recommended to follow-up the F06-2 target
MRNF	2010	PRO 2010-05					X	X			Following the 2010 field geological regional survey, the MRNF identified several exploration targets from analyzed several parameters : 1) favorable geological context for precious and base metal mineralization; 2) unexplored area. No target was identified in Yasinski-Augvya property and surrounded area.	

## **APPENDIX 4**

### **INFORMATION FROM SOME STATUTORY REPORTS**

**Table 4a:** GM 48682

**Table 4b:** GM 050501

**Table 4c:** GM 55442

**Table 4d:** GM 55997

**Table 4e:** GM 55998

**Table 4f:** GM 60553

HOMESTAKE MINERAL DEVELOPMENT COMPANY

LITHOGEOCHEMICAL SAMPLING

YASINSKI LAKE PROPERTY

Township # 3014-3114

NEW QUEBEC TERRITORY

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

Date: 31 JUIL 1989

No G.M. 48682

SAMPLE LOCATION MAP AND ASSAY CERTIFICATES

**ÉNERGIE ET RESSOURCES**  
**SECTEUR MINES**

**01 MAI 1989**

**Bureau régional Val d'Or**

G. Cameron, Geologist  
J. Windh, Geologist

RESSOURCES MINIERES PLATINOR INC.

Liste des échantillons, localisation, description sommaire et certificats d'analyses des échantillons prélevés sur les grilles Nord et Sud de la propriété du Lac Yasinski.

(Cet addendum se joint aux cartes de compilation géologique des grilles Nord et Sud du projet Lac Yasinski)

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

Date: 31 JUIN 1989

No G.M.: 48682

ÉNERGIE ET RESSOURCES  
SECTEUR MINES

01 MAI 1989

Bureau régional Val d'Or

#mt.06342  
TM29131036

RESSOURCES MINIERES PLATINOR INC.

ADDENDUM à la carte de compilation géologique de la grille NORD du projet Lac Yasinski, canton 3114, carte NTS 33F/6.

# Echan.	Localisation	Description	# Echan.	Localisation	Description
8801	23+12N,0+40E	Vq,w,c N340°-350°	8841	16+50N,0+25E	3Gpx,gossan
8802	22+05N,2+00E	V7,3G,‡,<1% Cp	8842	L-21N,0+25E	4P,tr po.
8803	22+20N,2+60E	F3,ch,amph,tr py,po	8843	L-5N,2+70E	4Pη,px,tr po
8813	L-16N,1+45E	V9‡,V7‡,Vq	8844	L-4N,2+60E	4P,10 % px
8814	15+07N,0+92E	V9φ,60 % py,>10% Cp	8845	L-4N,2+62E	3Gpx‡,1-2% cp
8815	16+28N,0+92E	S2‡,1 % sulf. diss.	8846	0+95N,3+10E	3Gpx,2-3% po
8816	16+30N,0+12E	F3,goss contact 3G	8847	0+75N,3+15E	4Y,2% po,1% cp
8817	L-20N,5+90W	3Gpx,gossan léger.	8848	0+50N,3+28E	4Y,2-3% po diss
8818	16+80N,4+55W	V9,2-3% py,biotite	8849	20+65W,3+40W	V9α,3% py
8819	15+75N,4+60W	V9,3 % py.	8850	20+25N,3+40W	Vq,w N40/90
8820	16+05N,4+50W	V9αλ,Vq,1 % py,fuch	8851	20+25N,3+40W	Vq,w,tr py,N70/90
8821	20+55N,3+40W	V9α,Vqλσ,2% py,fuch	8852	23+15N,0+40E	Vq,w 1.3m large
8822	20+50N,TL6+50W	V9 ou MS,goss léger	8853	23+14N,0+40E	Vq,amph,c
8823	16+10N,4+50W	V9αλ,< 1 % py.	8854	23+25N,0+38E	Vq‡,amph,c
8824	L-20N,5+53W	3G ou V7 <1%py,cp	8855	23+25N,0+38E	1T,gneiss,biotite
8825	L-16N,4+50W	V9αλ,2-3 % py,fuch	8856	22+90N,0+44E	Vq,c 2m large
8826	L-0,5+85E	V7‡σ,N5°,30cm,1%po,py	8857	23+12N,0+40E	Vq,c,0.5% cp
8827	RteLG3,Km8.8	V7‡σ,tr cp.	8858	L-1N,3+65E	4P
8828	RteLG3,Km8.8	V7‡σ,1% po,2-3% asp.	8859	0+75N,3+16E	4Y,2-3%po,<1% cp
8834	15+25N,0+86E	Tranchée,V7‡φ,po,cp	8860	0+75N,3+15E	4Y, " "
8835	15+25N,0+88E	" "	8861	0+75N,3+14E	4Y " tr cp
8836	15+25N,0+90E	" "	8862	0+75N,3+13E	4Y,2 % po,tr cp
8837	15+25N,0+92E	" "	8863	0+75N,3+12E	4Y,1-2%po,tr cp
8838	15+05N,1+00E	V7,Vq 1-2% py,tr cp	8864	0+75N,3+11E	4Y,1% po,tr cp
8839	14+80N,0+90E	V7	8865	0+75N,3+17E	4Y,3% po,1% cp
8840	20+65N,3+40W	V9ασλ,3-5 % py.			

Legende	λ : sericitisé	φ : chloritisé	η : carbonatisé
	α : felsique	σ : silicifié	‡ : cisailé
	amph : amphibole	w : tourmaline	c : chlorite
	px : pyroxène		

RESSOURCES MINIERES PLATINOR INC.

ADDENDUM à la carte de compilation géologique de la grille SUD du projet Lac Yasinski, canton 3014, carte NTS 33F/6.

# Echan.	Localisation	Description
8804	5+85S,0+50E	S5±λ, tr py
8805	5+50S,3+00W	V7, gossan
8806	L-5S,0+25W	S5, V9 gossan N10/90
8807	L-0,0+75E	S5‡, gossan
8808	L-1N,0+25E	S5‡λ, fuch, 1% py
8809	L-5N,0+92W	S5‡λ, tr py, fuch
8810	4+85N,1+75W	S5 impur ‡, <1% py
8811	L.R.,12+00N	V7σ, 0.5% py, po
8812	L.R.,13+25N	V7, gossan, 2% sulf dis
8829	L-1N,0+25E	S5‡λ, fuch, 1% py
8830	0+62N,0+38E	S5‡λ, fuch, py, cp, Cu(natif)
8831	2+00N, B.L.	V9‡φ, tr py
8832	0+62N,0+38E	S5‡, fuch, 1% py, asp
8833	4+70N,1+65W	V9, ch, grenat, tr py, po

Legende            λ : sericitisé                    φ : chloritisé                    σ : silicifié  
                      ‡ : cisailé                        ch : chert

RESSOURCES MINIERES PLATINOR INC.  
528 Ave. Centrale  
Val D'Or / Que.  
J9P 4P7

RESULTATS # 09812038 COMMANDE #

PROJET #/asinski DATE 05 03/15

PAGE 1

## RÉSULTATS D'ANALYSES/ASSAY REPORT

Att: M. Georges-Yvan Gagnon

ÉCHANTILLONS SAMPLES	Cu	Zn	As	Ag	Au	Au	Au			
	ppm	ppm	ppm	ppm	ppb	g/tm	oz/t			
8801	174	10	2.0	1.0	12401	12.4	0.36			
8802	966	31	5.5	0.7	63					
8803	29	17	3.0	0.2	12					
8804	38	2	10.0	0.1	119	0.1	0.003			
8805	554	40	2.0	0.6	57					
8806	167	5	2.0	0.2	19					
8807	56	4	1.0	0.1	6					
8808	10	2	12.0	0.1	294	0.3	0.009			
8809	10	2	20	0.1	11					
8810	218	2	900	0.2	22					
8811	91	0	0.0	0.2	0					
8812	368	4	0.0	0.2	5					
8813	2100	20	2.0	1.3	8					
8814	65000	97	2.0	26.0	1928	1.9	0.056			
8815	810	340	1.5	0.8	82					
8816	477	0	1.5	0.2	10					
8817	28	36	1.0	0.6	8					
8818	463	60	31	2.3	35					
8819	105	162	8500	1.0	39					
8820	48	32	156	0.2	18					
8821	60	17	80	0.2	13					
8822	309	34	21	0.3	5					
8823	27	59	37	0.4	27					
8824	833	50	4.0	0.6	8					
8825	69	32	60	0.3	11					
8826	868	20	2.5	0.4	5					
8827	676	103	10.0	0.6	10					
8828	507	94	25342	0.7	466	0.5	0.014			

*J. Blais*

## **NUMÉRIQUE**

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J9P 4P7

RÉSULTATS # 10812154

COMMANDE #

PROJET # YASINSKI

DATE SS-10-17

PAGE 1

Att.:

B. BORDUAS

RÉSULTATS D'ANALYSES/ASSAY REPORT

ÉCHANTILLONS SAMPLES	Cu	Zn	As	Ag	Au	Au	Au	Sb	W		
	ppm	ppm	ppm	ppm	ppb	g/tm	oz/t	ppm	ppm		
8829	8	10	10.0	0.2	23						
8830	454	4	1.0	0.4	30						
8831	143	23	2.0	0.5	70						
8832	266	1	1.0	0.4	32						
8833	74	5	133	0.3	4						
8834	2060	26	3.5	0.9	75						
8835	1765	53	4.0	0.8	6						
8836	5480	18	2.0	1.2	21						
8837	983	8	0.5	0.4	11						
8838	454	322	21	1.0	4						
8839	110	30	0.5	0.4	4						
8840	26	20	70	0.3	8						
8849	69	18	73	0.4	26			.5	5		
8850			2.0		3						
8851	50	12	6.0	0.1	6						
8852	6	2	3.5	0.1	83						
8853	6	9	5.0	0.7	5493	5.5	0.2				
8854	217	19	3.5	0.4	110	0.1	0.003				
8855	11	34	12.5	0.3	60						
8856	6	3	1.0	0.1	80						
8857	550	7	0.5	0.3	79						

*J. Blais*



# Laboratoires Chemex Ltée.

Essayeurs \* Géochimistes \* Chimistes Analytiques  
 175 BOUL. INDUSTRIEL C.P. 244, ROUYN.  
 QUEBEC, CANADA J9X-5C3  
 PHONE (819) 797-1921

To: RESSOURCES MINIERES PLATINOR INC.

528 AVE. CENTRALE  
 VAL D'OR, PQ  
 J9P 4P7

Project: YASINSKI

Comments: ATTN: GEORGES-Y GAGNON CC: RES. MIN. PLATINOR CC: BERNARD BORDUAS

\*\*Page No. : 1  
 Tot. Pages: 1  
 Date : 21-SEP-88  
 Invoice # : I-8823021  
 P.O. # :

## CERTIFICATE OF ANALYSIS A8823021

SAMPLE DESCRIPTION	PREP CODE	Au ppb AFS	Pd ppb AFS	Pt ppb AFS	Cu ppm	Ni ppm				
8841	205 ---	20								
8842	205 ---	14	< 2	>> 5	334	18				
8843	205 ---	6	160	60	47	1800				
8844	205 ---	10	46	10	1450	1500				
8845	205 ---	30	110	35	180	820				
					5200	600				
8846	205 ---	6	130	30	545	440				
8847	205 ---	36	930	200	2880	2100				
8848	205 ---	8	170	40	2000	1100				

CERTIFICATION :

*B. Coughlin*



# Laboratoires Chemex Ltée.

Essayeurs • Géochimistes • Chimistes Analytique  
175 BOUL. INDUSTRIEL C.P. 314, ROUYN,  
QUEBEC, CANADA J9X-5C3  
PHONE (819) 797-1922

To: RESSOURCES MINIERES PLATINOR INC.

528 AVE. CENTRALE  
VAL D'OR, PQ  
J9P 4P7

Project: YASINKI

Comments: ATTN: GEORGES-Y GAGNON CC: RES. MIN. PLATINOR CC: BERNARD BORDUAS

\*\*Page No.: 1  
Tot. Pages: 1  
Date: 29-SEP-88  
Invoice #: I-8824115  
P.O. #:

## CERTIFICATE OF ANALYSIS A8824115

SAMPLE DESCRIPTION	PREP CODE	Au ppb AFS	Pd ppb AFS	Pt ppb AFS	Ag ppm Aqua R	Cu ppm	Ni ppm				
8858	205 ---	8	48	25	0.1	305	750				
8859	205 ---	42	940	190	1.0	3650	2350				
8860	205 ---	44	670	150	0.8	2300	1000				
8861	205 ---	26	1000	200	0.8	2700	2600				
8862	205 ---	12	260	70	0.1	330	360				
8863	205 ---	< 2	10	5	0.1	33	195				
8864	205 ---	2	100	25	0.1	254	280				
8865	205 ---	24	500	110	0.7	2450	1100				

CERTIFICATION :

*B. Coughlin*

# RAPPORT DES TRAVAUX DE TERRAIN EFFECTUES DURANT L'ETE 1989 SUR LA PROPRIETE RADISSON DE NORANDA EXPLORATION LTEE

Ministère de l'Énergie et des Ressources Division des données géoscientifiques DATE 23 AOUT 1991 NO G.M. 050501
--

## LOCALISATION

La propriété est centrée sur le lac Yasunski, couvrant la majeure partie de la ceinture volcanique du lac Yasunski, à l'intérieur des cantons 2912, 2913, 2914, 3012, 3013, 3014 et 3114.

## ACCÈS

La propriété est traversée selon un axe Nord-Sud par la route reliant Metagammi et Radisson, et selon un axe Est-Ouest, dans sa moitié Est, par la route conduisant aux barrages LG-3/LG-4. L'usage d'un hélicoptère est requis pour se déplacer efficacement sur la plus grande partie de la propriété.

## NIVEAU GEOLOGIQUE

FEV 91

Le lecteur est prié de consulter le rapport de K.N.M. Sharma (MER; RG-181; 1977) pour se familiariser avec le contexte géologique régional.

La ceinture volcanique du lac Yasunski est essentiellement constituée d'amphibolites (roches métavolcaniques mafiques métamorphosées en faciès amphibolite), généralement peu déformées et peu altérées, sauf au voisinage des batholites granitiques. Des évidences de laves coussinées ont souvent été observées.

Les batholites granitiques sont représentées par une grande variété de faciès: granite sensu stricto, gémodiocrate, gneiss granitique, pegmatite. Le contact entre les amphibolites et les batholites granitiques n'a pas pu être observé; cependant, il a été reconnu que les lithotypes constituant les batholites granitiques sont généralement très déformés au voisinage des amphibolites.

Des zones de cisaillement importantes suivent le contact entre les amphibolites et les batholites granitiques, généralement du côté des amphibolites. Les amphibolites sont alors mylonitisées et brotitisées.

ÉNERGIE ET RESSOURCES  
SECTEUR MINES

31 JAN. 1991

Bureau régional Val d'Or

#	REPERE	X	Y FOLIATION	FRACTURATION	LITHOTYPE	Au	Cu	ALIAS
PC-521	UTM	329965	5894020 090/85	nil	?S9B, Chl/Bio, Stg qtz Frc/Lim	1	28	MG
PC-522	UTM	329920	5894020 ???/??	080/85[uq]	Vei qtz Frc, Py, (Po), Ecu M16 Chl	<1	53	-
PC-523	UTM	329920	5893850 nil	nil	I4N, Mt	4	23	(MG)
DC-1	UTM	331820	5916445 075/90	nil	M16 Fel, Stg qtz Ccd, Rou	2	35	-
DC-2	UTM	331820	5916470 075/90	nil	I1 fk/Par, Stg qtz Dcd, (Py)	4	8	-
DC-3	UTM	331890	5916470 075/90	???/??[uq]	Vei qtz Dcd	1	31	-
DC-4	UTM	331890	5916470 075/90	???/??[uq]	Vei qtz Dcd, Py	293	860	-
DC-5	UTM	331910	5916485 ???/??	???/??[uq]	Vei qtz Lam, Ecu chl, Py	3	10	-
DC-6	UTM	331725	5916650 ???/??	???/??[uq]	Vei qtz Frc/Ccd, Py	3	72	-
DC-7	UTM	331725	5916650 ???/??	???/??[uq]	Vei qtz Frc/Ccd, Py	<1	30	-
DC-8	UTM	331850	5916700 060/90	nil	M24 mv/(Pbl), Py	1	23	-
DC-9	UTM	331790	5916885 060/90	nil	M16 (Chl), Sil, Py	5	101	-
DC-10	UTM	331790	5916900 060/90	nil	M16 (Chl), Sil, Py/Po	6	140	-
DC-11	UTM	331815	5916895 060/90	???/??[uq]	Vei qtz Frc/Dcd, Py	439	213	-
DC-12	UTM	331835	5916915 060/90	???/??[uq]	Stg qtz Dcd	124	136	-
DC-13	UTM	331750	5917350 nil	nil	M16 Fel/Hem, Py	<1	21	-
DC-14	UTM	331750	5917350 nil	???/??[uq]	Vei qtz Frc/Dcd, Py	<1	12	-
DC-15	UTM	331675	5917775 090/90	nil	M16 Fel/(Hem), Py, (Epi)	2	147	-
DC-16	UTM	331500	5918150 090/90	nil	M16 Fel/(Hem), Py, (Epi)	2	32	-
DC-17	UTM	331350	5918500 nil	???/??[uq]	Vei qtz Dcd, Py	<1	115	-
DC-18	UTM	331350	5918500 nil	020/??[uq]	Vei qtz Dcd, (Py)	33	64	-
DC-19	UTM	331350	5918500 nil	045/??[uq]	Vei qtz (Bro)/Dcd/Lam, chl, Py/Po	2	75	-
DC-20	UTM	331300	5918500 nil	nil	M16 Sil, Py	<1	72	-
DC-21	UTM	332700	5915975 nil	???/??[uq]	Vei qtz Dcd	<1	116	-
DC-22	UTM	333450	5915525 255/45	???/??[uq]	Vei qtz Dcd	<1	6	-
DC-23	UTM	336975	5909025 090/90	nil	M16 Fol/Sil/Stg qtz, Bio, (Py)	4	16	-
DC-24	UTM	336975	5909025 090/90	090/90[uq]	Vei qtz Lam/Ccd, (Frc), chl/(Py)	10	34	-
DC-25	UTM	337035	5908080 nil	nil	I3B hbl	3	14	-
DC-26	UTM	337035	5908100 nil	nil	I1B hbl/epi, qtz, (Hem)	<1	3	-
DC-27	UTM	337035	5908115 nil	nil	I1B hbl/epi, qtz, (Hem)	<1	9	-
DC-28	UTM	337035	5908100 nil	nil	M8 chl/(bio), Py + Vei qtz Ccd	68	114	-
DC-29	UTM	337035	5908100 nil	???/??[uq]	Vei qtz, (Frc)	5	61	-
DC-30	UTM	337175	5907750 nil	nil	M16 Chl/(Bio), Sil	43	52	-
DC-31	UTM	337175	5907750 nil	nil	M16 Chl/Sil, Bro, Ama Py	53	11	-
DC-32	UTM	337175	5907750 nil	300/70[uq]	Vei qtz Lam, chl, (Bro)	23	7	-
DC-33	UTM	337125	5907875 nil	???/??[uq]	Vei qtz Lam, chl, (Bro)	<1	13	-
DC-34	UTM	338850	5905400 080/90	220/65[uq]	Vei qtz Frc	1	64	-
DC-35	UTM	339050	5904050 055/90	???/??[uq]	Vei qtz Dcd, Py	<1	15	-
DC-36	UTM	338950	5903700 160/90	nil	I1 fk/Par/Ccd, bio, Py	<1	12	-
DC-37	UTM	338950	5903700 160/90	???/??[uq]	Vei qtz/Py Dcd	206	99	-

#	REPERE	X	Y	FOLIATION	FRACTURATION	LITHOTYPE	Au	Cu	ALIAS
DC-38	UTM	339225	5901825	030/90	??/?[uq]	Stg qtz/Py Dcd	6	331	-
DC-39	UTM	324830	5900995	270/80	nil	M16 Fe1, Py	2	43	-
DC-40	UTM	324845	5900965	270/80	070/90[uq]	Wei qtz, (Bro), (Py), ?Cpy	30	34	-
DC-41	UTM	324865	5900955	270/80	??/?[uq]	Ama qtz, Hem, (Bro)	<1	9	-
DC-42	UTM	324865	5900950	270/80	nil	M16, Py	3	25	-
DC-43	UTM	324870	5900925	100/90	nil	Il fk/Par/Ccd, Py	3	9	-
DC-44	UTM	324960	5900615	100/90	??/?[uq]	Ama qtz, Hem, (Bro), (Py)	5	19	-
DC-45	UTM	325305	5900515	150/90	150/90[uq]	Wei qtz Frc/Ccd, Hem, Py	38	359	-
DC-46	UTM	325265	5900485	150/90	080/90[uq]	Wei qtz Frc/Dcd, Hem, chl, Py	5	91	-
DC-47	UTM	325375	5900430	140/90	070/90[uq]	Wei qtz Frc/Dcd, (Hem), (Py)	<1	19	-
DC-48	UTM	325375	5900430	140/90	nil	M16 Bro/Sil, Epi, (Py)	1	65	-
DC-49	UTM	325375	5900430	140/90	nil	M16 Bro/Sil, Epi, (Py)	<1	6	-
DC-50	UTM	325375	5900430	140/90	140/90[uq]	Wei qtz Bro/Ccd, Py	44	33	-
DC-51	UTM	325375	5900430	140/90	140/90[uq]	Wei qtz Bro/Ccd, (Hem), (Py)	3	5	-
DC-52	UTM	326550	5901740	070/90	??/?[uq]	Wei qtz Dcd, (Frc), chl, Py	2	290	-
DC-53	UTM	326550	5901740	070/90	145/90[uq]	Il Dcd/Bro, Py	<1	17	-
DC-54	UTM	326625	5901750	070/90	??/?[uq]	Wei qtz Frc	1	51	-
DC-55	UTM	326680	5901770	070/90	??/?[uq]	Il Dcd/Ccd/Bro, Py	<1	18	-
DC-56	UTM	326960	5901450	035/90	nil	IlB hbl, (Fol), amp, Py	19	38	-
DC-57	UTM	303370	5890800	275/75	nil	M24 Sil/Stg qtz Ccd	<1	11	-
DC-58	UTM	303340	5890680	265/75	nil	M16 Fol, gr, (Chl), Ama Py/Po, Wei qtz Ccd, Rou	9	161	-
DC-59	UTM	303340	5890680	265/75	nil	Il Peg/Ccd, (Rou)	<1	4	-
DC-60	UTM	303340	5890680	265/75	nil	M16 Fol, gr, (Chl), Wei qtz Ccd, Ama Py/Po, Rou	36	242	-
DC-61	UTM	303340	5890680	265/75	nil	M24 Prx/Lim, Py Lam/Ama, Stg qtz Frc	127	49	-
DC-62	GPN	-45	1580	040/90	nil	M16 Rcx/Sil, Apy/Cpy + M24, Rou	820	nd	CD
DC-63	GPN	-45	1580	040/90	nil	M16 Rcx/Sil, Apy/Cpy + M24, Rou	130	nd	CD
DC-64	GPN	-45	1580	040/90	nil	M16 Rcx/Sil, Apy/Cpy + M24, Rou	130	nd	CD
DC-65	GPN	-45	1580	040/90	nil	M16 Rcx/Sil, Apy/Cpy + M24, Rou	1020	nd	CD
DC-66	GPN	-45	1580	040/90	nil	M16 Rcx/Sil, Apy/Cpy + M24, Rou	300	nd	CD
DC-67	GPN	-45	1580	040/90	nil	M16 Rcx/Sil, Apy/Cpy + M24, Rou	240	nd	CD
DC-68	GPN	-45	1580	040/90	nil	M16 Rcx/Sil, Apy/Cpy + M24, Rou	410	nd	CD
DC-69	GPN	-45	1580	040/90	nil	M16 Rcx/Sil, Apy/Cpy + M24, Rou	440	nd	CD
DC-70	GPN	-45	1580	040/90	nil	M16 Rcx/Sil, Apy/Cpy + M24, Rou	340	nd	CD
DC-71	GPN	-45	1580	040/90	nil	M16 Rcx/Sil, Apy/Cpy + M24, Rou	130	nd	CD
DC-72	GPN	-45	1580	040/90	nil	M16 Rcx/Sil, Apy/Cpy + M24, Rou	200	nd	CD
DC-73	GPN	-45	1580	040/90	nil	M16 Rcx/Sil, Apy/Cpy + M24, Rou	<100	nd	CD
DC-74	GPN	-45	1580	040/90	nil	M16 Rcx/Sil, Apy/Cpy + M24, Rou	<100	nd	CD
DC-75	GPN	-45	1580	040/90	nil	M16 Rcx/Sil, Apy/Cpy + M24, Rou	340	nd	CD
DC-76	GPN	-45	1580	040/90	nil	M16 Rcx/Sil, Apy/Cpy + M24, Rou	<100	nd	CD
DC-77	UTM	344050	5911575	010/90	nil	Wei qtz Dcd, cal/Py/Po/Cpy	32	1460	-

#	REPERE	X	Y	FOLIATION	FRACTURATION	LITHOTYPE	Au	Cu	ALIAS
DC-7B	UTM	344050	5911575	010/90	nil	M16 Sil, Py	2	10	-
DC-79	UTM	344050	5911575	010/90	nil	Wei qtz Ccd, cal/Py/Pa/Cpy	9	680	-
DC-80	UTM	344050	5911575	010/90	nil	M16 Sil, Py	<1	77	-
DC-81	UTM	344005	5911310	010/90	nil	Wei qtz Ccd, cal/Py/Pa/Cpy	<1	4160	-
DC-82	UTM	342900	5911400	035/90	nil	Wei qtz Bro/Ccd	5	13	MG
DC-83	UTM	343200	5911450	??/?/?	nil	M16, gr, (Sil), Po Lam	4	24	MG
DC-84	UTM	343200	5911450	??/?/?	nil	M16, gr/Sil, Po	7	20	-
DC-85	UTM	343475	5911500	??/?/?	nil	M16 Sil, Py	2	42	-
DC-86	UTM	343575	5911525	??/?/?	nil	M16 Rcx, Sil/Ama Po	1	226	-
DC-87	UTM	343575	5911525	??/?/?	nil	Wei qtz Ccd, Po	4	12	-
DC-88	UTM	345600	5911175	020/90	nil	M16 Sil, Po Lam	1	335	-
DC-89	UTM	345600	5911175	020/90	nil	M16 Rcx + Wei qtz Frc/Hem, Py	255	2080	-
DC-90	UTM	345600	5911175	020/90	nil	M16 (Myl), Py/Po	2	300	-
DC-91	UTM	345800	5911175	020/90	nil	M16 Sil, Po	8	188	-
DC-92	UTM	346125	5911200	??/?/?	nil	M16 Rcx, Py/Po	28	900	-
DC-93	UTM	346125	5911200	??/?/?	nil	?M24 mu, (Py)	6	301	-
DC-94	UTM	346225	5911200	??/?/?	nil	Wei qtz Bou/Ccd, Hem	1	125	-
DC-95	UTM	346225	5911200	??/?/?	nil	M16 Fol, Sil/Po	<1	165	-
DC-96	UTM	346225	5911200	??/?/?	nil	M16 Fol, Chl/Pa	2	500	-
RV-1	GPN	275	2185	130/85	nil	M24 bio	<1	7	-
RV-2	GPN	275	2185	080/80	nil	M16 Rcx/Bio	4	19	-
RV-3	GPN	275	2185	080/80	080/80[uq]	Wei qtz Ccd, Ecu chl/Py	1	16	-
RV-4	GPN	-10	2950	220/85	nil	M24 bio	7	33	-
RV-5	GPN	-10	2950	220/85	nil	M8 chl/bio, Py	8	104	CD
RV-6	GPN	-10	2950	220/85	220/80[uq]	Wei qtz Bra/Ccd, Ecu chl	1	6	-
RV-7	GPN	-265	3000	220/85	nil	M16 Fol/Tlc, Wei qtz/Apy, Py/Cpy	12080	305	-
RV-8	GPN	-265	3000	220/85	nil	M16 (Fol)	16	40	-
RV-9	GPN	-465	3025	225/80	250/85[uq]	Wei qtz Ccd, Ecu M16 (Fol), Py/Cpy/Mc	72	4640	CD
RV-10	GPN	-425	3000	220/85	170/90[50]	M16 Fal/Bio/Chl, Eye qtz	45	152	-
RV-11	GPN	-425	3000	220/85	220/85[uq]	Wei qtz Ccd	<1	5	-
RV-12	GPN	-575	3000	040/90	330/75[uq]	Wei qtz Ccd, Ecu chl/Cpy	4	193	-
RV-13	UTM	346580	5915250	050/90	175/90[uq]	Wei qtz Ccd, Ecu M16 (Fol), Cpy/Mc	108	3660	-
RV-14	GPN	-270	1990	040/90	nil	M24 chl, (Py)	12	37	-
RV-15	GPN	-270	1990	040/90	nil	M16 Myl/Tlc, Stg qtz/Py/Cpy	12	90	-
RV-16	GPN	-275	1985	225/80	nil	Wei qtz Bro/Ccd, Ecu chl, Hem, (Py)	1	9	-
RV-17	GPN	-270	1990	040/90	nil	M24 Prx	21	14	-
RV-18	GPN	-295	2000	220/80	nil	M16 (Fol), Py/Cpy/Pa	12	164	(MG)
RV-19	GPN	-300	2010	200/80	140/90[50]	M16, Bio/Chl, Py/Cpy	9	121	-
RV-20	GPN	-300	2005	200/80	050/90[uq]	Wei qtz Ccd, Hem	1	10	-
RV-21	GPN	-325	1980	020/90	170/90[uq]	Wei qtz Ccd, Hem	1	30	-

#	REPERE	X	Y FOLIATION	FRACTURATION	LITHOTYPE	Au	Cu	ALIAS
RV-22	GPN	-325	1980 020/90	nil	M16 Myl, Stg cal, (Py)	2	121	-
RV-23	GPN	-325	2015 220/85	220/80[ug]	Vei qtz Ccd	<1	18	-
RV-24	GPN	-325	2015 220/85	100/90[60]	M24 fu/bio	4	110	-
RV-25	GPN	-340	2030 040/90	120/90[60]	M24 fu/bio, Cpy/Py	23	72	-
RV-26	GPN	-365	2065 215/80	120/90[40]	M16 Fol/Myl + M16 Rcx/Chl/Bio, Apy/Cpy/Py	5670	149	-
RV-27	GPN	-365	2065 215/80	120/90[40]	M16 Fol/Myl + M16 Rcx/Chl/Bio, Apy/Cpy/Py	631	34	-
RV-28	GPN	-400	2065 195/85	195/85[ug]	Vei qtz (Bro)/Ccd, Ecu chl	<1	12	-
RV-29	GPN	-400	2065 195/85	nil	M16 Chl, Po/Py/Cpy, Stg cal	29	500	(MG)
RV-30	GPN	-475	2160 050/90	125/90[30]	M16, Py, Stg qtz/Py	3	277	ED
RV-31	GPN	-495	2160 ???/??	230/85[ug]	Vei qtz	<1	6	-
RV-32	GPN	-505	2185 040/90	nil	M16 (Myl), (Py)	5	71	-
RV-33	GPN	-545	2205 040/90	nil	M24 chl/Prx, (Py)	1	15	-
RV-34	GPN	-570	2185 225/85	???/??[ug]	Ama qtz	1	5	-
RV-35	GPN	-590	2205 220/85	135/90[30],090/85[30]	M16 (Fol)/Chl, Stg cal, Stg Cpy	8	1280	-
RV-36	GPN	-605	2210 220/85	220/85[ug]	Vei qtz Ccd, Ecu chl	1	6	-
RV-37	GPN	-635	2225 205/85	205/85[ug]	Vei qtz (Bro)/Ccd, Ecu chl	<1	5	-
RV-38	GPN	-635	2225 205/85	125/90[30],080/90[50]	M16 Fol, Chl, (Py)	5	92	-
RV-39	UTM	346100	5914710 230/85	nil	I3A Gne, Stg qtz/Py/Cpy	1	65	-
RV-40	UTM	346030	5914750 225/85	225/85[ug]	Vei qtz Ccd/(Hem), Ecu chl/Py/Cpy	2	106	-
RV-41	UTM	346030	5914750 225/85	310/75[30]	M16 Fol/Chl/Py/Cpy	2	107	-
RV-42	UTM	346030	5914750 225/85	225/85[ug]	Vei qtz Ccd, Ecu chl, Hem	30	107	-
RV-43	UTM	346030	5914750 225/85	045/90[ug]	Vei qtz Ccd	1	6	-
RV-44	UTM	345980	5914810 215/85	120/90[99],350/80[80]	M16 Fol, Chl, Stg cal, Py	1	114	-
RV-45	UTM	345940	5914900 235/85	nil	M16 Rou/Py	5	399	-
RV-46	UTM	345940	5914900 235/85	nil	M16 Frc, Stg qtz/cal/Py	1	205	-
RV-47	UTM	346690	5912580 020/90	nil	M8 chl/bio	6	19	-
RV-48	UTM	345810	5912820 ???/??	230/85[ug]	Vei qtz, Ecu chl	2	6	-
RV-49	UTM	345750	5914820 215/80	310/75[80],170/??[99]	M16 Myl/Bio, Py/Cpy	2	46	-
RV-50	UTM	345750	5914820 215/80	215/80[ug]	Vei qtz Ccd	2	6	-
RV-51	UTM	345750	5914890 215/80	110/90[80]	M16 Fel/Bio, Cal, Py	2	99	-
RV-52	UTM	345700	5914900 220/80	160/??[30]	M16 Myl/Bio, Stg cal, Py/Cpy, (Stg fk)	<1	9	-
RV-53	UTM	345700	5914900 220/80	220/80[ug]	Vei qtz, Ecu chl	2	6	-
RV-54	UTM	345700	5914900 220/80	310/80[30]	M16 Sil/Epi, Chl	2	11	-
RV-55	UTM	345700	5914880 ???/??	215/80[ug]	Vei qtz, Ecu chl/bio	3	9	-
RV-56	UTM	345690	5914940 ???/??	220/80[ug]	Vei qtz, Py	2	33	-
RV-57	UTM	345630	5914920 225/80	160/90[99]	M16 Fol, (Fel/Epi/Py)	3	54	-
RV-58	UTM	345650	5914950 225/85	nil	M16 Epi/Fel	2	6	-
RV-59	UTM	345600	5914940 225/80	340/80[70]	M16 Myl, Stg epi/cal, (Py)	3	60	-
RV-60	UTM	345600	5914940 225/80	225/80[ug]	Vei qtz Ccd	2	9	-
RV-61	GPN	-370	1795 240/85	175/75[50]	M16 Fol/Bio, Stg chl/cal	3	116	-

#	REPERE	X	Y FOLIATION	FRACTURATION	LITHOTYPE	Au	Cu	ALIAS
RV-182	GPN	55	1475 ???/??	050/85[uq]	Vei qtz Hem, Ecu chl/ac	8	15	
RV-183	UTM	347800	5913910 050/90	130/80[99]	I1B chl/mu/Fol, (Py)	1	26	-
RV-184	UTM	347800	5913910 ???/??	140/??[uq]	Vei qtz Dcd/(Bro)	<1	3	-
RV-185	UTM	347600	5913860 065/90	120/80[50]	M16 Stg qtz/Cpy	6	377	-
RV-186	UTM	347600	5913860 ???/??	065/90[uq]	Vei qtz Bro/Ccd, Ecu chl/bio	<1	13	-
RV-187	UTM	347420	5913670 030/??	155/??[99]	I1B chl/Fol, (Py)	<1	16	-
RV-188	UTM	347420	5913670 ???/??	035/80[uq]	Vei qtz Bro/Ccd, Ecu chl	<1	22	-
RV-189	UTM	347420	5913670 030/80	nil	M16 (Fol), Stg qtz, (Py)	<1	119	-
RV-190	GPN	5	1515 050/85	nil	M16 Myl, Eye qtz, Po, Cpy	6	188	(MG)
RV-191	GPN	300	1375 050/90	150/90[30]	M16, Stg qtz/cal, (Cpy)	2	95	-
RV-192	GPN	315	1385 ???/??	250/60[75]	M16 Myl/Vei qtz Bro, Cal, (Cpy)	1	59	-
RV-193	GPN	315	1385 ???/??	250/60[75]	M24 chl, Cpy/Mc/Py, Rou	4	1040	-
RV-194	GPN	290	1400 035/90	nil	M8 tlc, Mt, Stg cal	3	110	MG, Cr
RV-195	GPN	270	1350 nil	080/??[40]	I4N, Mt	<1	28	MG, Cr
RV-196	GPN	315	1250 ???/??	025/90[uq]	Vei qtz, Ecu chl, (Stg cal), (Lim)	<1	11	-
RV-197	GPN	535	1165 200/80	nil	M16, Rcx, Stg qtz, (Py)	<1	78	-
RV-198	GPN	535	1165 ???/??	030/90[uq]	Vei qtz Bro, Ecu chl, Po/Py, Hem	11	136	-
RV-199	GPN	565	1085 ???/??	020/90[uq]	Vei qtz Bro, Ecu chl, (Stg cal), (Py/Cpy), Hem	2	5	-
RV-200	GPN	565	1085 020/90	nil	M16 Fol/Chl, (Py), Rou	<1	3	-
RV-201	GPN	590	1050 025/90	nil	M24 mu/chl, (Hem)	2	17	-
RV-202	GPN	590	1050 ???/??	015/90[uq]	Vei qtz Bro/Hem/Lim, Ecu chl	<1	32	-
RV-203	GPN	590	1050 ???/??	155/90[uq]	Vei qtz (Bro)/Dcd/Hem, Ecu chl/bio/Cpy	10	480	-
RV-204	GPN	780	1045 040/90	105/??[30]	I4N Cal, Tlc, Mt, Po	2	9	MG, Cr
RV-205	GPN	755	1025 025/90	nil	M24 mu/chl, Ecu M16, Hem, Stg qtz	2	13	-
RV-206	GPN	740	965 040/90	nil	M16, (Chl), Stg cal, (Py)	<1	241	-
RV-207	GPN	750	965 ???/??	020/90[uq]	Vei qtz Bro, Ecu chl, Hem	<1	5	-
RV-208	GPN	775	885 ???/??	010/85[uq]	Vei qtz Bro, Ecu chl/bio/Py, Lim	<1	34	-
RV-209	GPN	-150	2260 250/80	nil	M16 Myl/Bio/Chl, Eye M24, Stg cal, Cpy/Mc	199	2540	-
RV-210	GPN	-150	2235 ???/??	245/80[uq]	Vei qtz Bro, tm	<1	8	-
RV-211	GPN	-150	2235 ???/??	245/80[uq]	Vei qtz Bro, Ecu chl/bio, tm, Hem	<1	5	-
RV-212	GPN	-155	2275 ???/??	035/??[uq]	Vei qtz (Bro), Ana tm	<1	5	-
RV-213	GPN	-140	2235 ???/??	070/90[uq]	Vei qtz Bro, tm, (Hem)	<1	4	-
RV-214	GPN	-140	2285 250/85	nil	I3A (Fol), (Py)	21	116	-
RV-215	GPN	380	1910 185/80	nil	M16 Rcx/Chl/Bio, Stg qtz/Rpy/Cpy	48	216	-
RV-216	GPN	390	1865 020/90	nil	M16 Gne/Sil/Chl, Cpy/Mc	325	2860	-
RV-217	UTM	346400	5912750 030/90	nil	M8 mu, gr, Mt	70	19	MG
RV-218	UTM	346380	5912680 205/80	130/90[30]	M16 (Fol), Stg qtz/fk/Py	8	192	-
RV-219	UTM	346380	5912680 ???/??	205/85[uq]	Vei qtz Bro, Ecu chl, Lim, (Py)	<1	4	-
RV-220	UTM	346380	5912680 ???/??	205/85[uq]	Vei qtz Bro, Ecu, chl/bio, Hem, (Py)	<1	5	-
RV-221	UTM	346380	5912680 ???/??	205/85[uq]	Vei qtz Bro, (Ecu chl)	<1	3	-

#	REPERE	X	Y FOLIATION	FRACTURATION	LITHOTYPE	Au	Cu	ALIAS
RV-502	GPN	-45	1575 055/90	145/90[30]	M16 Fol/Rcx/chl, Stg qtz, Apy, Hem	116	193	CD
RV-503	GPN	-45	1580 045/90	nil	M16 Fol/Rcx/Bio/Chl, Stg cal, Po, Py	4	87	-
RV-504	GPN	-45	1590 035/90	nil	M16 Sil/Stg qtz, Cpy, Po, Apy, Hem	84	2940	CD
RV-505	GPN	-45	1585 055/90	nil	M16 Fol/Mu, Py/Mt, Rou	15	196	MG
RV-506	GPN	-40	1590 ???/??	075/85[uq]	Vei qtz Bro, cal, Hem + M16, Chl/Bio	1	23	-
RV-507	GPN	-45	1580 035/90	nil	M16 Sil/Stg qtz, Apy Aci, Cpy, Py, Chl, Hem	452	386	CD
RV-508	GPN	-30	1605 050/90	150/90[99]	M16 Myl/Rcx/Chl/Bio, gr, Stg qtz, Py, Apy/Cpy, Hem	481	940	CD, MG
RV-509	GPN	-30	1605 ???/??	050/90[uq]	Vei qtz Frc + M16 Chl, Apy, Hem	95	188	CD
RV-510	GPN	-30	1605 050/90	150/90[99]	M24 chl, Stg qtz, Apy, Py, Hem	234	399	CD
RV-511	GPN	-50	1600 nil	nil	M16, Rcx, Po/Apy, Stg cal, Hem	19	137	-
RV-512	GPN	-50	1600 035/90	305/40[30]	M16 Fol/Chl/Bio, Stg cal	3	41	-
RV-513	GPN	-55	1610 nil	045/90[75], 335/80[99]	M16, Stg cal/qtz/Cpy/Mc/Py/Po	6	900	-
RV-514	GPN	-50	1610 000/90	335/80[50]	M16 Rcx, Chl, Stg cal, Po, Apy	75	222	-
RV-515	GPN	-45	1610 065/90	335/80[50]	M16 Rcx, Stg cal, Chl, Po/Apy	156	125	-
RV-516	GPN	-45	1610 065/90	nil	M16 Sil/Stg qtz, Apy Aci, Cpy/Py, Chl	190	107	CD
RV-517	GPN	-40	1610 040/85	nil	M16 Fol/Bio/Chl, Eye qtz/fk, Py/Po	6	141	-
RV-518	GPN	-45	1615 040/85	nil	M16 Sil/Stg qtz, Stg Py/Cpy, Chl, Apy	23	820	CD
RV-519	GPN	-40	1625 030/90	nil	M16 Myl/Tlc, Po, Hem	1	195	-
RV-520	GPN	-40	1625 030/90	nil	M8 tlc	<1	7	CD
RV-521	GPN	15	1630 ???/??	000/90[uq]	Vei qtz Bro/Dcd, Ecu chl, cal, (Py), Hem	2	66	-
RV-522	GPN	30	1655 025/90	nil	M8 chl, gr, Stg Py/Cpy, (Apy), Hem	357	1340	CD
RV-523	GPN	30	1660 ???/??	030/10[uq]	Vei qtz Bro, Ecu chl, Po/Py, Cpy, (Apy)	111	560	CD
RV-524	GPN	35	1665 ???/??	030/10[uq]	Vei qtz Bro, Ecu chl, cal, Hem	2	19	-
RV-525	GPN	-65	1635 030/90	120/45[40], 015/90[99]	M16 Fol/Chl, Eye /Stg qtz, Hem	3	104	-
RV-526	GPN	-70	1640 ???/??	050/90[uq]	Vei qtz Frc/Dcd, cal	<1	4	-
RV-527	GPN	-105	1655 ???/??	???/??[uq]	Ama qtz Frc, Ecu mu/fk	<1	4	-
RV-528	GPN	-135	1140 030/90	nil	M16 Sil/Chl, Cal, Py, Hem	13	115	CD
RV-529	UTM	345560	5913395 030/90	070/90[35]	M16 Fol/ Chl/Sil/Stg qtz, gr, Py/Po, (Apy)	98	10	CD, MG
RV-530	UTM	345560	5913395 ???/??	030/90[uq]	Vei qtz Bro, Ecu chl/Py + M8 chl, gr	2	133	-
RV-531	UTM	345585	5913520 025/90	060/90[50], 140/80[60]	M16 Fol/Chl, Eye qtz, gr, Py/Po, Hem	8	101	CD
RV-532	UTM	345585	5913530 ???/??	025/90[uq]	Vei qtz Frc	<1	3	-
RV-533	UTM	344340	5912700 015/90	140/90[60]	M16 Brc/Fol/Chl, Cal, Po, Py, Epi, Hem	7	97	CD
RV-534	UTM	344350	5912760 ???/??	175/90[uq]	Vei qtz/fk Dcd, Ecu M16 (Chl), (Py), Hem	<1	3	-
RV-535	UTM	344350	5912775 020/90	135/90[30], 080/90[99]	M24 mu + Vei qtz Bro, Py	1	50	-
RV-536	UTM	344445	5912730 040/85	145/90[99]	M16 Fol/Chl, Eye qtz, Py, Hem	<1	35	CD
RV-537	UTM	344500	5912690 ???/??	000/90[uq]	Vei qtz Bro/Dcd, cal, Ecu M16 (Chl), Py, Cpy, Hem	<1	42	-
RV-538	UTM	344605	5912690 035/85	nil	M16 Myl, Chl, Mu, Cal, Hem	<1	15	-
RV-539	UTM	323290	5897750 110/??	nil	I1B chl/Myl/Mu, Stg epi, (Sil), (Cal)	1	23	-
RV-540	UTM	323290	5897750 280/75	nil	I1B chl, Fol, Stg epi, (Sil), (Rou)	<1	9	-
RV-541	UTM	323290	5897750 280/75	nil	I1B chl/bio/Fol, Stg epi, (Sil), (Py), (Rou)	<1	7	-

#	REPERE	X	Y FOLIATION	FRACTURATION	LITHOTYPE	Au	Cu	ALIAS
RU-542	UTM	323290	5897750 280/75	280/75[uq]	Vei qtz Frc/Ccd, Ecu chl/mu/cal, (Hem)	<1	4	-
RU-543	UTM	323290	5897750 120/??	nil	IIB chl/Fol/Sil/Epi/Mu, (Cal)	<1	24	-
RU-544	UTM	323290	5897750 295/60	nil	IIB chl/Myl/Sil, Eye fk, Stg epi, Cal, Py	3	79	-
RU-545	UTM	323290	5897750 295/60	295/60[uq]	Vei qtz Frc/Ccd, Ecu IIB chl, Stg epi	1	12	-
RU-546	UTM	323290	5897750 295/60	295/60[uq]	Vei qtz Frc/Ccd, (Hem)	<1	4	-
RU-547	UTM	323290	5897750 095/??	nil	IIB chl/Fol, Eye qtz/fk, Cal	<1	4	-
RU-548	UTM	323290	5897750 090/??	nil	IIB chl/Fol, Eye qtz/fk, Cal, Stg chl/Py/Cpy	<1	62	-
RU-549	UTM	323290	5897750 285/75	nil	IIB chl/Myl, Cal, Stg epi, (Py)	<1	38	-
RU-550	UTM	323290	5897750 285/75	285/75[uq]	Vei qtz Frc/Ccd, Ecu chl/Py, Stg epi	<1	12	-
RU-551	UTM	323540	5897790 065/??	nil	M16 Fol/Chl/Bio/Mu, Stg qtz/cal, Py, Rou	5	174	-
RU-552	UTM	323540	5897790 065/??	nil	IIB chl/Myl/Sil/Epi, Stg cal, Py, Rou	4	77	-
RU-553	UTM	323540	5897790 130/??	130/??[uq]	Vei qtz Frc/Ccd, Ecu chl, Stg fk	<1	5	-
RU-554	UTM	323540	5897790 ???/??	090/??[uq]	Vei qtz Bro, Ecu IIB chl/Myl	<1	9	-
RU-555	UTM	323620	5897740 ???/??	120/80[uq]	Vei qtz Bro, Ecu chl/bio, Lim	<1	5	-
RU-556	UTM	323650	5897790 110/??	nil	IIB chl/Fol/Mu	<1	28	-
RU-557	UTM	323650	5897790 110/??	nil	IIB mu/Myl, Eye qtz, Cal	<1	8	-
RU-558	UTM	323650	5897790 110/??	nil	IIB Cat/Mu, Cal, Rou	<1	17	-
RU-559	UTM	323650	5897790 110/??	nil	M8 Mu, Stg qtz, (Cal)	<1	10	-
RU-560	UTM	323650	5897790 110/??	nil	IIB mu/Sil, Cal, (Epi), Rou	<1	21	-
RU-561	UTM	322605	5896005 320/40	nil	I4N Sil/Cal/Fol/Tlc, Py/Po, Rou	6	12	MG
RU-562	UTM	322685	5896005 270/80	nil	I4N Fol/Cal/Sil/Tlc, Py/Po, (Rou)	1	25	-
RU-563	UTM	322710	5896020 270/60	nil	I4N Myl/Sil/Cal/Tlc, Py, (Rou)	2	5	-
RU-564	UTM	322725	5896010 090/65	nil	I4N Fol/Sil/Cal/Tlc, Py, (Cpy), (Rou)	2	8	-
RU-565	UTM	322955	5895985 ???/??	nil	I4N Sil/Tlc/Cal, Py, Ama Mt	3	5	MG
RU-566	UTM	322960	5895990 ???/??	nil	I4N Fol/Sil/Cal/Tlc, Py, (Rou)	<1	5	-
RU-567	UTM	322980	5895995 010/90	nil	M24 fu/mu, Stg qtz, Py, Hem	25	11	-
RU-568	UTM	322980	5896000 ???/??	nil	Vei qtz Bro/Ccd/Hem/Lim, (Py), (fu)	<1	5	-
RU-569	UTM	322995	5895990 120/??	nil	M16 Fol/Sil, (Cal), (Py)	3	79	-
RU-570	UTM	322700	5896015 ???/??	020/55[uq]	Vei qtz Frc/Dcd, Ecu tlc	<1	4	-
RU-571	UTM	323050	5896010 250/80	nil	M16 Myl/Chl/Bio, Stg qtz, Py	3	65	-
RU-572	UTM	323055	5896000 ???/??	070/90[uq]	Vei qtz Frc/Ccd/Bou, Ecu chl/Py	4	12	-
RU-573	UTM	323100	5895995 ???/??	040/??[uq]	Vei qtz Frc/Ccd/Hem, Ecu chl, Py, Po	5	21	-
RU-574	UTM	323155	5896005 060/80	nil	?M24 mu, Py, Rou	13	58	CD
RU-575	UTM	323175	5895955 ???/??	080/90[uq]	Vei qtz Frc/Ccd/Hem, Ecu chl, Py/Po	<1	22	-
RU-576	UTM	323205	5895985 ???/??	065/90[uq]	Vei qtz Frc/Ccd, Ecu chl/cal, Py/Po, (Hem)	<1	26	-
RU-577	UTM	323205	5895985 070/??	nil	M24 mu, Stg qtz, Py, Rou	1	125	CD

NO	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm Ni	ppm Cr	ppb Pt	ppb Pd
PC-482	0.2							
PC-483	0.3							
PC-488	0.2							
PC-489	0.1							
PC-490	0.2							
PC-493	0.3							
PC-495	0.1							
PC-496	0.1							
PC-498	0.2							
PC-501	0.2							
PC-504	0.1							
PC-506	0.3							
PC-507	0.3							
PC-508	0.5							
PC-512	0.4							
PC-513	0.5							
PC-515	0.4							
PC-516	<0.1							
PC-519	0.1							
PC-520	0.1							
PC-522	<0.1							
RV-7		330		202				
RV-8		44		111				
RV-9		5280						
RV-12		192						
RV-13		4520						
RV-15		88						
RV-17		13						
RV-18		157	<2	66				
RV-25		63						
RV-26		143	52	95				
RV-27		33	14	180				
RV-29		407						
RV-35		1160						
RV-39		59						
RV-40		89						
RV-41		98						
RV-47		10				105		
RV-49		23						
RV-52		4						
RV-65		75				518		

NO	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm Ni	ppm Cr	ppb Pt	ppb Pd
RV-67		60	<2	21				
RV-68		30	<2	13				
RV-70		11	<2	67				
RV-71		86	<2	252				
RV-72		171	3	230				
RV-74		257	13	300				
RV-105		19		64	2440	920		
RV-106		20		61	52	119		
RV-128		10		35	1520	553		
RV-135		158		95	654	85		
RV-137		89		69	89	319		
RV-139		23		56	1820	1020		
RV-142		338		119	95			
RV-143		355		135	92			
RV-151		121						
RV-153		542						
RV-155						1040		
RV-156						800		
RV-158		459		112	411			
RV-163		791		57	74	110		
RV-164		71						
RV-165		1720		171	229	167		
RV-166						127		
RV-167		777						
RV-169		3900		56	71			
RV-170						456		
RV-171						416		
RV-174		1940						
RV-175		940						
RV-176		1640						
RV-185		393		95	138			
RV-190		182		114	247			
RV-193		880						
RV-194						2580		
RV-195						1760		
RV-203		399						
RV-204						1350		
RV-209		2320						
RV-216		2600						
RV-217						38		
RV-230						2000		

NO	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm Ni	ppm Cr	ppb Pt	ppb Pd
RV-239		113						
RV-246		385						
RV-247		450						
RV-248		10160						
RV-249		16400						
RV-252		421						
RV-254		7720						
RV-255		1540						
RV-261		3280						
RV-262		3480						
RV-268		292						
RV-284				1235		1240	<10	20
RV-285				699		1620	32	99
RV-288	0.2							
RV-289	0.3							
RV-290				1740		549	37	124
RV-291				1740		860	47	132
RV-292	0.1							
RV-294	0.4							
RV-297				2380		1100	159	683
RV-298				2880		1180	191	973
RV-299				1320		629	50	152
RV-311							<10	5
RV-312							<10	5
RV-317						89	<10	4
RV-319		33						
RV-320		55						
RV-321						317		
RV-322						112		
RV-336		2680						
RV-361		4						
RV-362		4						
RV-363		43						
RV-364		5						
RV-365		4100						
RV-366		960						
RV-367				1420		564	29	131
RV-368				1620		467	63	147
RV-370				2500		331	89	796
RV-371				425		655	31	103
RV-372				181		479	57	133

NO	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm Ni	ppm Cr	ppb Pt	ppb Pd
RV-374	<0.1							
RV-375					439	580	<10	<1
RV-376	<0.1							
RV-377				2620	160			
RV-378				58				
RV-379	0.6							
RV-380	1.2	2290						
RV-381	<0.1			312	23	429		
RV-382	<0.1			24	8	461		
RV-383	<0.1			3170	15	438		
RV-384	<0.1							
RV-385	<0.1							
RV-386				107	428	880		
RV-387				135	327	546		
RV-388				86	723	600		
RV-390	<0.1							
RV-391					304			
RV-393				92	127	328		
RV-394	<0.1							
RV-399					344	519	59	249
RV-400	<0.1							
RV-401	0.3							
RV-402					246	689	49	44
RV-405	<0.1							
RV-410	1.4			23	102			
RV-411					393	146	66	305
RV-413					142	425	<10	1
RV-414	0.2							
RV-415	0.5							
RV-416	0.2							
RV-418	0.2							
RV-421	1.0			2980	100			
RV-422	0.1							
RV-423					110	175	<10	1
RV-424					114	214	13	9
RV-430						850		
RV-432	0.4			567	113			
RV-443	<0.1							
RV-445	<0.1							
RV-450	0.2							
RV-455	0.5							

NO	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm Ni	ppm Cr	ppb Pt	ppb Pd
RV-456	0.2							
RV-459	0.3							
RV-463	0.2							
RV-465	0.1							
RV-475	0.5							
RV-482	0.1							
RV-485						75		
RV-487						159		
RV-488		273		1240	122			
RV-490	0.1							
RV-491	0.4							
RV-493	0.5							
RV-494	0.1							
RV-495		513		444	105			
RV-496				150	100			
RV-497		285		385	307			
RV-498		525		317	32			
RV-499	0.2							
RV-500				180		10	9	
RV-503				108		13	13	
RV-504		2480						
RV-514				337				
RV-517				146				
RV-523	0.5							
RV-527	<0.1							
RV-529						143		
RV-530	<0.1							
RV-533	<0.1							
RV-534	<0.1							
RV-535	0.4							
RV-537	0.5							
RV-561				50				
RV-562				54				
RV-563				66				
RV-564				53				
RV-565				51				
RV-566				44				
RV-568	0.1							
RV-573	<0.1							
RV-575	0.1							
RV-576	0.1							

document not complete



EXPERTS-CONSEILS EN GÉOPHYSIQUE

# SYNDICAT DU BEEP MAT 1996

Rapport final des travaux,  
été et automne 1996

RECUEILLI  
97 NOV 26 AM 10 38  
BUREAU DU REGISTRAIRE

MRN - GÉOINFORMATION 1997  
GM 55442

Projet 176.01 (EX-03)

Le 10 février 1997

*M. Poirier*  
Martin Poirier, ing. stag.

N° échantillon	Date	Type A=Alt E=Err	Réaction au Beep Mat					Coordonnées				Dir./ Pendage	Au ppb	Ag ppm	Cu ppm	Zn ppm	Autre	Description géologique
			Surface		Roc		Superficie (m)	Profondeur (m)	Est	Nord								
			cond.	mag.	cond.	mag.					UTM							
608316	11/11	E	150	45000		1x1.5	1.3	428396	5463143			12	2.6	7145	171		Po=10%, py=10%, Qz=5% Cp=5%, erratique submergé, échantillon partiellement représentatif	
608317	12/11	E	150	15000		0.7x0.5	0.3	428391	5463162			8	0.4	1024	27		Po=50%, Pv=10%	
608318	12/11	E	300	25000		0.8x0.6	0.4	428382	5463126			12	2.9	7258	95		Py=10%, Po=10%, Qz=50%, Cp=5% sur l'ensemble de l'E	
608319	12/11	E	200	17000		0.5x0.3	0.3	428337	5463108			12	1.4	4112	68		Py=10%, Po=10%, Qz=30%, Cp=5% sur l'ensemble de l'E	
608320	12/11	E	40	1500		0.3x0.3	0.4	428316	5463081			8	1.4	2092	83		Py=10%, Po=10%, Qz=30%, Cp=5% sur l'ensemble de l'E	
608321	13/11	E	180	3200		0.5x0.4	0.2	428278	5463199			<5	0.9	767	43		Po=30%, Pv=10%, Cp=tr.	
608322	13/11	E	200	20000		0.6x0.6	0.4	428285	5463055			13	2.4	6432	149		Py=10%, Po=10%, Qz=50%, Cp=5% sur l'ensemble de l'E	
608323	13/11	E	3000	20000		2x2	0.2	428471	5463433			<5	1.0	1479	24		Po=50%, Pv=10% Cp=tr	
608324	13/11	E	400	22000		0.4x0.4	0.3	433679	5464821			6	1.0	284	30		Po=30% Pv=10%	
608325	14/11	A	150	10000		3	0.7	428765	5463620			11	2.8	3838	62		Py=5%, Po=5%, Qz=5%, Cp=3% le meilleur est sous l'eau, impossible de l'échantillonner	
608326	14/11	A	80	6000		2	0.6	428804	5463607			<5	0.4	383	49		Pv=1%, Po=1%, Qz=20%. Cp=tr	
608327	14/11	A	600	4000		2	0.2	428856	5463553			<5	0.6	272	11		Py=tr, Po=1% Qz=50%. Cp=tr	
608328	14/11	A	400	9000		2	0.2	428891	5463549			<5	1.3	2093	24		Po=30% Pv=5% Qz=20%, Cp=tr	
608329	14/11	A	40	6000		2	1.3	428822	5463792			8	2.2	2182	35		Po=30%, Pv=5%, Qz=20%, Cp=0.2%	
608330	15/11	E	50	6000		0.5x0.6	0.3	428739	5463626			8	0.8	611	80		Po=20%, Pv=5%, Qz=5%, Cp=tr, Gr	
608331	15/11	E	600	17000		2x2	0.3	428748	5463624			14	1.2	1216	65			
608332	15/11	E	60	6000		0.3x0.3	0.4	428749	5463780			14	1.1	1332	32		Po=50%, Pv=20%, Cp=tr	
608333	16/11	E	200	12600		0.4x0.3	0.4	427870	5462605			<5	1.0	186	10		Po=20% Pv=3%, Qz=5%, Cp=tr	
608351	27/07	A	-	9000		2X.50	0	331670	5893134		240/80	6	1.5	1783	62		Même description que précédent. Po 5 %, Py 1 %	
608352	27/07	A	-	700		2X.50	0	331750	5893146		240/80	9	0.7	550	72		Même description que précédent. Po 3 %	
608353	28/07	A	-	50		0.3X1	0	334600	5896454		250/70	<5	0.7	553	61		I3A, Po 3 %, Py 1 %, folié et schisteux	
608354	28/07	A	-	400		0.5X1	0	343511	5911701		225/85	<5	0.3	215	21		I3A, Po 3 %, Py tr., folié	
608355	28/07	A	20000	25000	20000	2X25	0.1	343477	5911903		NE-SO	80	0.9	25	12		Gneiss (méta-sédiment). Po 20 %, Py 1 %, Cp tr., graphitique, veine de Qz 30 % (cm), folié et schisto forte en bordure, magn.	
608356	29/07	A	5000	8000	15000	20X50	0.1	343505	5912097		NE-SO	<5	0.9	33	28		Gneiss. Po 7 %, Py 3 %, graphitique, magn.	
608357	29/07	A	-	600		1X4	0	343469	5912454		NE-SO	<5	0.6	56	51		Méta-sédiment. Po 4 %, magn.	
608358	29/07	A	-	2500		5X15	0	343541	5910924		70/68	<5	0.4	218	62		V3B à coussins. Po 7 %, Cp 1 %	
608359	29/07	A	-	2000		50X500	0	343285	5910642		NE-SO	16	0.6	1867	29		Po 15 %, Cp1 %, Py 2 %, veine de Qz 35 %, magn., graphitique.	
608360	30/07	A	-	3300	10000	2X25	0	343315	5910394			<5	1.3	59	34		Schiste. Po 5 %, graphitique, plissé, magn.	
608361	30/07	A	-	12000	10000	1X2	0	342949	5910171			13	1.5	158	11		V4A vasculaire. Po 7 %, magn.	
608362	30/07	A	-	12000		1X10	0	343130	5909784			309	0.9	99	7		I3A, Po 15 %, magn.	
608363	31/07	A	10000	40000		1.5X25	0.2	319639	5898796		255/48	18	1.8	161	65		Po veinules 2.5 %, graphitique, noir, aphanitique.	
608364	31/07	A	-	5000		2X30	0	319604	5898845		255/48	10	1.0	116	65		Gneiss. Po 2.5 %, graphitique, schisteux	
608365	15/08	A	35	150		0.5x0.5	0.1	354197	5443547		260/90	<5	<0.2	9	99		Conglo. poly., amas de Qz, Tr Pv, folié	
608366	15/08	A	50	550		1x1	0.2	354458	5443748		260/90	<5	<0.2	73	235		Conglo. poly. Po très fines 3 %, folié	
608367	17/08	A	50	600		1x2	0.5	340842	5478631		310/85	9	0.5	301	221		Ultramafique ?, veinules de Py mm 10 %, Cp amatrice	
608368	20/08	A	-	100		0.5x0.8	0	444864	5528683			<5	<0.2	114	25		V2J massif, Cp en trace. Po 1 %, non rouillé	
608369	20/07	E	-	115		0.5x1	0	444658	5528665			<5	<0.2	96	395		Bloc sub-arrondi, basalte, folié, schisto., Py diss. 3 % veinules Ca 15 %, rouillé	
608370	20/08	E	-	2300		0.8x1.5	0	440385	5530778			6	0.8	286	906		Bloc sub-arrondi, V2J, Po 5 %, Py 3 %, rouillé	

# EX-IN

EXPLORATEURS - INNOVATEURS  
DE QUÉBEC INC.

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REÇU AU MRN  
1998 -06- 26  
BUREAU DU REGISTRAIRE

## PROJET LA GRANDE (33F)

Levé au Beep Mat

Juin - juillet 1997

MRN-GÉOINFORMATION 1998

GM 55997

SOURCES NATURELLES  
SECTEUR MINES


23 JUIN 1998

BUREAU REGIONAL VAL-D'OR

Projet 176.20 (EX-20)

  
Martin Poirier, ing. stag.

18 août 1997

  
Edwin Gaucher, ing., Ph.D.

98176002

## TABLEAU DES ÉCHANTILLONS ANALYSÉS

Échantillon n°	Date	Type	Réaction				Coordonnées UTM				Résultats d'analyse					Remarques	
			A = Aff. E = Err.	Sur- face	Roc		Super- ficie (m)	Profon- deur (m)	Est	Nord	Dir./ Pend.	Au	Ag	Cu	Zn		Au- tre(s)
					cond.	mag.											
	j/m							Zone : 18									
521564	24/06	A		550		1 X 150	0	337946	5898086	240/80	365	0,4	413	90	Po 5 %, Py 1 %, Qz 45 %, Gr 1 %, magn., mélange peu homogène en contact entre tuf et formation de fer.		
521565	24/06	A		465	-3000	1 X 30	0	337862	5898106	240/90	201	0,4	23	5	Po 10 %, magn., enclave dans formation de fer (micro-failles et plissé).		
521566	24/06	A		12000		2 X 75	0	337834	5898058	240/80	76	0,5	304	25	Po 5 %, Bo et Gr, forte altération, V2 silicifié.		
Tranchée																	
521567	25/06	A		12000		1 X 30	0	343198	5909796	20/80	286	0,6	105	11	Po 23 %, Qz 5 %, magn., amphibolite (enclave dans V3 cousin).		
521568	26/06	A		0			0	343198	5909796	20/80	19	<0,2	10	46	En contact avec non-conducteur (V3), Bo 3 %, Ca 5 %, pas de sulfures visibles, amphibolite.		
521569	26/06	A		12000		1 X 30	0	343198	5909796	20/80	52	0,3	57	12	Po 10 %, Ca 15 %, magn., agrégats radiaux, amphibolite.		
521570	26/06	A		12000		1 X 30	0	343198	5909796	20/80	91	<0,2	43	3	Po 15 %, forte alt. en calcite, magn., amphibolite.		
521571	26/06	A		12000		1 X 30	0	343198	5909796	20/80	127 2	0,4	40	2 1,50	Veine de Qz fumée et rouillée, Po 5 %, magn. Forte alt. en calcite, toujours dans amphibolite.		
521572	26/06	A		12000		1 X 30	0	343198	5909796	20/80	78	0,4	91	9	Po 15 %, forte alt. en calcite, magn., veine de Qz 20 %, amphibolite.		
Fin de la tranchée																	
521573	26/06	A		700		1 X 30	0	343198	5909816	20/80	88	<0,2	20	15	Pas de sulfures visibles, fortement altéré (ankérisation), même roche que dans la tranchée, amphibolite.		
521574	26/06	A		500		0,4 X 0,8	0	343198	5909781	20/80	<5	<0,2	169	20	Po 2 à 3 %, veine Qz-Pg 5 %, amphibolite.		
521575	26/06	A		500		0,4 X 0,8	0	343180	5909741	20/80	<5	<0,2	514	16	Po 2 à 3 %, veine de Qz-Pg.		
521576	26/06	A		600		0,4 X 0,8	0	343119	5909503	20/90	<5	<0,2	76	39	Po 2 %, veinules de Qz 5 %, veine de Qz-Pg 10 %, amphibolite.		

**TABLEAU DES ÉCHANTILLONS ANALYSÉS (suite)**

521577	26/06	A		2000		1 X 8	0	343125	5909518	20/80	<5	<0,2	354	194		Po 3 à 4 %, Gr 5 % (phénocristaux), amphibolite
521578	26/06	A		2000		2 X 10	0	343110	5909460	20/80	<5	<0,2	262	32		Po 8 %, Gr 18 % (phénocristaux), quelques veines de Qz fumé, amphibolite.
521579	27/06	A	12000	20000		0,8 X 0,5	0,1	344000	5911298	225/80	<5	<0,2	405	22		Po 13 %, Gr 20 % (phénocristaux), Cp en traces, amphibolite.
521580	27/06	A		50000		5 X 100	0	343839	5911354		20	0,4	416	409		Po 35 %, Cp 1 à 2 %.
521581	27/06	A	12000	56000		5 X 150	1	343895	5911120		7	0,8	111	978		Po 35 %, Cp 5 % principalement concentré dans une veine de Qz.
521582	28/06	A		40		3 X 150	0	343201	5909421	200/70	<5	<0,2	86	105		Veines de Qz avec Po dans tuf, Po 3 %, inclus dans V3 coussiné
521583	28/06	A		600		3 X 150	0	343209	5909421	200/80	<5	0,8	269	306		Po 10 % en veinules dans tuf. Tuf inclus dans V3 coussiné
521584	28/06	A		183		3 X 150	0	343193	5909381	200/80	<5	<0,2	62	141		2 à 3 % Po dans tuf, même horizon que le précédent.
521585	28/06	A	1500	2200	2000	1 X 100	0,8	343218	5909870	20/80	<5	0,3	151	32		Po 5 %, Gr 10 %, Cp en tr., amphibolite, même horizon que la tranchée.
521586	28/06	A		2500	3000	1 X 100	0	343225	5909920	20/80	6	0,3	132	27		Po 5 %, amphibolite, même horizon que le précédent.
521587	28/06	A		5000		1 X 125	0	343137	5909306	200/80	8	0,7	126	47		Po 15 % en veinules, graph., silicif., tuf, même horizon que 521584.
521588	29/06	A	1100	15000		1 X 45	1	343865	5910614		182	0,4	66	17	Moy. 2,84	Po 10 %, Gr 1 %, silicifié, sérinitisé, tuf avec 5 % amph.
521589	29/06	A	35000	65000		10 X 75	0,2	343816	5910650		56	0,3	16	339		Py 15 % (nodules), Po 3 %, tuf graphiteux.
521590	29/06	A		1000		10 X 75	0	343816	5910650		<5	<0,2	13	41		Po 7 % (dans fractures), tuf felsique, juste à côté du précédent
521591	29/06	A		18000		2,5 X 60	0	343897	5910344	35/50	16	<0,2	29	24		Po 10 %, veinules de Qz-carbonates, tuf.
521592	29/06	A		8000		20 X 75	0	343874	5910128		<5	<0,2	41	104		Po 13 % (veinules), tuf.
521593	29/06	A		1500		0,5 X 0,5	0	343877	5910704		<5	<0,2	161	65		Po 5 %, amphibolite avec amphibole aciculaire jusqu'à 2 cm de long.
521594	30/06	A	7000	12500		1,5 X 20	0,2	343996	5911516		19	0,5	227	11		Veine de Qz et carbonates dans tuf. Po et Py 25 %, Cp en tr.
521595	30/06	A	1400	5000		8 X 75	0,3	343895	5911556	200/86	21	2,6	341	209		Po 20 %, tuf dans laves coussinées, zone schisteuse.
521596	30/06	A	22000	27000		4 X 75	0,2	343879	5911501		<5	0,6	261	400		Po 30 %, tuf.
521597	30/06	A		4000		1,5 X 20	0	343917	5911739		7	0,3	230	592		Po 15 % (entremêlé de Py), veine de Qz 10 %, tuf.

## TABLEAU DES ÉCHANTILLONS ANALYSÉS (suite)

521598	30/06	A		2000		0,8 X 5	0	343988	5911747		37	0,5	117	20		Veine de Qz et carbonates avec Po 10 % et Py 3 %.
521599	01/07	A		700		1 X 25	0	342965	5909430		13	0,5	123	17		Sulfures (Po, Py) 10 %, Cp en traces, tuf felsique.
521600	01/07	A		25000		2 X 25	0	342945	5909277		<5	<0,2	61	247		Veinules de Py 5 %, veinules et nodules de Qz 15 %, tuf graphiteux.
521601	01/07	A		85000		10 X 25	0	342813	5909553	40/80	10	0,6	130	219		Nodules de Py 20 %, schisteux, tuf graphitique.
521602	01/07	A		7000		5 X 5	0	342946	5909199		15	0,3	65	421		Nodules de Py 13 %, tuf graphiteux en contact avec une formation de fer plissée.
521603	01/07	A		300		0,5 X 25	0	343077	5908990	20/90	13	0,3	115	46		Veinules de Py 7 %, légèrement graphiteux, tuf à bloc monogénique.
521604	02/07	A		9000		3 X 20	0	343452	5911603		8	0,4	23	13		Tuf graphiteux en contact avec formation de fer, veine de Qz avec 7 % de sulfures (Po, Py).
521605	02/07	A		5000		2 X 15	0	343429	5911743		24	<0,2	3	12		Tuf graphiteux en contact avec formation de fer, veine de Qz avec 10 % de sulfures (Py, Po).
521606	02/07	A		700		1 X 15	0	343400	5911370		22	<0,2	31	21		Tuf graphiteux en contact avec formation de fer, veine de Qz avec 12 % de sulfures (Py, Po).
521607	02/07	A		9000		1 X 100	0	343420	5911339		18	0,4	87	21		Tuf graphiteux en contact avec formation de fer, veine de Qz (50 %) avec 15 % de sulfures (Py, Po).
521608	02/07	A		3500		1 X 100	0	343370	5911240		19	0,3	89	25		Tuf graphiteux en contact avec formation de fer, veine de Qz avec 15 % de sulfures (Py, Po).
521609	03/07	A		3000		2 X 20	0	343097	5912132		<5	<0,2	11	28		Tuf graphiteux avec veines de Qz, Gr visible en surface, pas de sulfures visibles.
521610	03/07	A		2000		2 X 20	0	343082	5912135		10	<0,2	9	10		Tuf graphiteux, 5 % de sulfures (Po, Py), chloritisé.
521611	03/07	A		3000	2000	1 X 15	0	343296	5912018		<5	<0,2	6	7		Beaucoup de Gr visible sur surface altérée, Po 7 %.
521612	04/07	A		3000		1 X 25	0	33202	5908851		15	0,2	479	64		Formation de fer, 15 % de sulfures (Py, Po), Cp en tr., séritisé, veinules de Qz et carbonates.

BUREAU DU REGISTRE  
1998-06-26  
REÇU AU MRN

## TABLEAU DES ÉCHANTILLONS ANALYSÉS (suite et fin)

521613	04/07	A		7000		1 X 15	0	343200	5909201		24	1,2	176	218		Tuf graphiteux dans formation de fer, nodules de Po 20 %.
521614	04/07	A		31000		50 X 300	0	343714	5909518		23	0,6	27	46		Tuf graphiteux dans formation de fer, 20 % de sulfures (Py, Po).
521615	04/07	A		8000		50 X 300	0	343710	5909503		38	0,2	34	57		Tuf graphiteux avec veines de Qz (30 %), Py 10 %.
521616	04/07	A		600		50 X 300	0	343707	5909480		9	<0,2	9	5		Po 5 %, légère chloritisation, oeil de Qz avec bordure de sulfures.
521617	05/07	A		900		0,5 X 2	0	337782	5897828		18	<0,2	381	61		Sulfures 10 % (Po, Py), veine de Qz (avec Py 7 %) dans V3B coussiné.
521618	05/07	A				0,5 X 10	0	337851	5897773		<5	<0,2	4	12		Veine de Qz en contact avec conducteur (2 prochains échantillons), pas de sulfures.
521619	05/07	A		2000		1,5 X 150	0	337851	5897773		11	<0,2	404	51		Tuf graphitique avec 20 % de veinules de Qz contenant Py 7 %. En contact entre tuf et V3B.
521620	05/07	A		7000		1,5 X 150	0	337851	5897773		6	1,0	484	36		Sulfures 10 % (Py, Po), Cp 2 %, mêmes conditions que le précédent.
521621	05/07	A		2300		2 X 50	0	338224	5898040		6	<0,2	234	43		Sulfures (Py, Po) 5 %, veinules de Qz 15 %, Bo 7 % (loc.), Gr 5 % (loc.), en contact avec dyke de diabase et tuf.
521622	05/07	A		2000		0,8 X 25	0	338621	5898433		20	0,3	77	44		Tuf felsique avec 15 % Po.
521623	05/07	A		400		0,3 X 15	0	339100	5898548		22	<0,2	32	11		Sulfures 7 % (Py, Po), en contact entre formation de fer et tuf.
521624	05/07	A		10000		0,8 X 30	0	339450	5898340		9	<0,2	203	50		Po 5 % disséminée dans V3.
521625	06/07	A		3200		0,8 X 1,5	0	340097	5898650	220/75	21	0,5	64	20		Enclave conductrice en contact avec une formation de fer et d'un V3B, schisteux graphitique, sulfures (Po, Py) 10 %.
521626	06/07	A	600	6000		10 X 75	0	340335	5898666		47	1,7	551	708		Enclave dans tuf felsique, nodules de Qz fumé (cm) 3 %, sulfures (Py, Po) 10 %, graphitique, tuf.
521627	06/07	A		2600		1 X 25	0	340120	5898890		9	0,5	301	67		Enclave de tuf dans V3B, Qz 23 %, Po 13 %.
521628	06/07	A	700	1200		0,8 X 15	0,2	340110	5898870		45	<0,2	175	35		Similaire au précédent, tuf à lapillis passablement étiré, Qz 20 %, Po 13 %.



# Intertek Testing Services

## Chimitec Bondar Clegg

# Rapport Lab Geochimie

## Geochemical Lab Report

CLIENT : EXPLORATION-INNOVATEUR  
 RAPPORT: C97-61793.0 ( COMPLET )

PROJET: 169.10

DATE DE L'IMPRESSION: 14-JUL-97

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NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	AL3O	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr
		PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM
521612		15	0.2	479	<2	64	<1	311	62	<.2	<5	51	<5	>10.00	230	<10	4	332	28	<20	<20	2	1.50	1.89	0.51	<.01	<.01	6	4	2	8	2	<5	<10	<.01	8
521613		24	1.2	176	19	218	4	116	45	0.8	<5	<5	<5	>10.00	251	<10	20	87	19	<20	<20	12	0.71	0.43	0.12	0.04	0.17	3	5	<2	7	2	<5	<10	0.05	47
521614		23	0.6	27	5	46	6	34	13	<.2	<5	<5	<5	>10.00	630	<10	21	77	51	<20	<20	9	2.27	0.78	0.08	0.02	0.10	2	4	6	11	2	10	<10	0.02	29
521615		38	0.2	34	16	57	1	35	10	<.2	<5	<5	<5	>10.00	1323	<10	15	105	17	<20	<20	3	1.13	0.69	0.68	<.01	0.04	8	3	<2	5	1	<5	<10	0.02	12
521616		9	<.2	9	3	5	<1	5	2	<.2	<5	79	<5	8.99	2141	<10	20	83	4	<20	<20	<1	0.20	0.46	1.01	<.01	0.03	6	4	<2	<1	<1	<5	<10	<.01	2
521617		18	<.2	381	<2	61	2	106	76	<.2	<5	5	<5	5.90	717	<10	18	147	55	<20	<20	5	1.70	1.08	1.35	0.12	0.06	5	7	<2	7	2	7	<10	0.10	5
521618		<5	<.2	4	<2	12	1	9	2	<.2	<5	<5	<5	0.44	79	<10	2	210	5	<20	<20	<1	0.14	0.13	0.30	0.02	<.01	1	<1	<2	1	<1	<5	<10	<.01	1
521619		11	<.2	404	4	51	3	120	50	<.2	<5	28	<5	7.03	525	<10	16	160	107	<20	<20	10	2.34	1.11	0.30	0.03	0.07	3	7	4	15	3	15	<10	0.13	24
521620		6	1.0	4845	3	36	4	136	57	<.2	<5	11	<5	5.34	204	<10	32	184	39	<20	<20	15	1.20	0.74	0.21	0.06	0.30	3	5	<2	11	1	6	<10	0.11	24
521621		6	<.2	234	3	43	<1	164	72	0.5	<5	<5	<5	8.06	526	<10	56	180	194	<20	<20	3	3.32	1.64	0.76	0.20	0.68	32	6	<2	23	4	22	<10	0.14	4
521622		20	0.3	77	8	44	2	78	17	0.3	<5	48	<5	9.71	582	<10	26	149	46	<20	<20	13	1.00	0.79	0.33	0.05	0.22	7	6	<2	10	2	7	<10	0.11	31
521623		22	<.2	32	4	11	<1	28	6	3.3	<5	1281	<5	>10.00	166	<10	10	137	21	<20	<20	7	0.81	0.78	0.12	<.01	0.08	3	4	20	7	1	<5	<10	0.04	13
521624		9	<.2	203	<2	50	7	26	18	<.2	<5	<5	<5	7.17	1865	<10	58	86	72	<20	<20	1	1.95	1.47	1.89	0.14	0.23	8	7	<2	9	3	9	<10	0.13	4
521625		21	0.5	64	5	20	1	63	20	<.2	<5	<5	<5	>10.00	393	<10	17	123	27	<20	<20	4	1.40	0.82	0.07	<.01	0.15	2	3	<2	11	2	<5	<10	0.04	19
521626		47	1.7	551	<2	708	3	144	67	2.9	<5	<5	<5	6.15	392	<10	21	158	32	<20	<20	4	2.11	2.04	0.11	0.01	0.12	<1	10	<2	24	2	<5	<10	0.07	25
521627		9	0.5	301	8	67	3	53	23	<.2	<5	<5	<5	8.23	242	<10	23	113	19	<20	<20	12	0.83	0.73	0.10	0.04	0.11	2	5	<2	9	<1	<5	<10	0.02	50
521628		45	<.2	175	<2	35	2	228	25	<.2	<5	9	<5	9.47	260	<10	55	493	44	<20	<20	10	2.47	2.63	0.65	0.04	1.61	17	4	<2	17	2	<5	<10	0.12	34



CLIENT : EXPLORATION-INNOVATEUR  
 RAPPORT: C97-61797.1 ( COMPLET )

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NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	WT+150 Gr.	AU+150 G/T	AU-150 G/T	WT-150 Gr.	AU MOY G/T
521588		37.54	20.78	2.05	3333.0	2.26

*M. Bergeron*



# Intertek Testing Services

## Chimitec Bondar Clegg

# Rapport Lab Geochimie

## Geochemical Lab Report

CLIENT : EXPLORATION-INNOVATEUR  
 RAPPORT : C97-61797.0 ( COMPLET )

PROJET : 169.10

DATE DE L'IMPRESSION : 21-JUL-97

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NUMERO DE L'ECHANTILLON	ÉLÉMENT	Au30	Au	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr
UNITÉS	PPB	G/T	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM
521564		365	0.4	413	7	90	1	63	48	0.3	10	9	<5	9.95	1151	<10	14	100	109	<20	<20	23	2.62	1.67	1.09	0.12	0.12	11	6	11	9	1	13	<10	0.07	4	
521565		201	0.4	23	7	5	1	5	<1	<0.2	7	28	<5	7.14	289	<10	35	111	11	<20	<20	15	0.52	0.11	0.70	0.02	0.16	22	4	<2	<1	<1	<5	<10	0.02	3	
521566		76	0.5	304	4	25	<1	41	30	<0.2	14	18	<5	>10.00	4663	13	17	93	75	<20	<20	40	1.44	1.31	1.90	0.02	0.11	23	4	15	4	<1	7	<10	0.05	10	
521567		286	0.6	105	4	11	<1	9	<1	<0.2	14	303	<5	>10.00	462	16	10	67	17	<20	<20	53	0.99	0.30	0.53	0.02	0.07	21	5	5	1	<1	<5	<10	<0.1	2	
521568		19	<2	10	4	46	1	32	17	<0.2	5	6	<5	6.80	2242	<10	149	112	90	<20	<20	17	3.20	2.02	2.49	0.10	0.14	62	5	8	9	<1	10	<10	0.09	3	
521569		52	0.3	57	4	12	1	16	<1	<0.2	12	423	<5	>10.00	523	12	17	147	20	<20	<20	32	1.41	0.44	0.53	0.03	0.10	15	4	6	2	1	<5	<10	0.02	8	
521570		91	<2	43	3	3	<1	5	<1	0.3	7	13	<5	9.86	88	<10	20	82	8	<20	<20	17	0.38	0.12	0.30	<0.1	0.04	10	4	<2	<1	1	<5	<10	<0.1	1	
521571		1272	1.50	0.4	4	2	1	7	<1	<0.2	<5	118	<5	8.73	214	<10	12	135	6	<20	<20	12	0.28	0.09	1.37	0.01	0.02	30	4	<2	<1	1	<5	<10	<0.1	1	
521572		78	0.4	91	5	9	2	8	<1	<0.2	16	150	<5	>10.00	587	16	15	100	15	20	<20	41	0.90	0.25	0.91	0.03	0.07	27	5	6	1	<1	<5	<10	<0.1	4	
521573		88	<2	20	4	15	2	13	<1	<0.2	6	64	<5	9.23	787	<10	113	105	32	<20	<20	12	2.19	1.28	0.87	0.03	0.15	17	3	5	4	1	<5	<10	0.04	7	
521574		<5	<2	169	<2	20	<1	60	19	<0.2	<5	12	<5	7.46	2815	<10	19	220	49	<20	<20	16	2.91	2.12	5.58	0.09	0.04	41	4	8	6	1	6	<10	0.04	2	
521575		<5	<2	514	3	16	<1	74	28	<0.2	5	<5	>10.00	3326	<10	22	208	44	<20	<20	26	2.12	1.60	8.25	0.07	0.11	20	4	8	6	<1	5	<10	0.04	2		
521576		<5	<2	76	4	39	<1	88	19	<0.2	<5	<5	<5	6.97	2000	<10	159	340	80	<20	<20	16	3.07	2.04	2.79	0.13	0.35	9	6	8	13	<1	9	<10	0.12	4	
521577		<5	<2	354	4	194	<1	99	39	0.6	6	<5	<5	9.36	3224	<10	7	94	36	<20	<20	16	1.81	0.70	2.29	0.08	0.05	11	4	7	2	<1	<5	<10	0.04	7	
521578		<5	<2	262	4	32	<1	35	17	<0.2	7	14	<5	>10.00	4007	<10	8	69	52	<20	<20	36	2.58	1.27	8.65	0.06	0.04	37	8	15	3	<1	<5	<10	0.03	4	
521579		<5	<2	405	3	22	<1	34	14	<0.2	12	<5	<5	>10.00	3370	<10	10	89	41	<20	<20	13	1.92	1.08	1.57	0.09	0.06	3	5	7	1	<1	<5	<10	0.05	4	
521580		20	0.4	416	9	409	4	215	62	1.7	21	42	<5	>10.00	597	20	12	163	57	35	<20	68	1.52	1.56	0.55	0.04	0.06	8	4	8	7	<1	5	<10	0.05	24	
521581		7	0.8	1118	7	978	8	197	53	11.2	16	44	<5	>10.00	255	16	8	169	21	<20	<20	28	0.42	0.40	0.29	<0.1	0.03	2	2	3	<1	<1	<5	<10	0.03	9	
521582		<5	<2	86	6	105	2	99	23	<0.2	<5	<5	<5	3.69	622	<10	99	242	93	<20	<20	8	2.26	1.63	0.84	0.09	0.48	7	6	6	15	<1	11	<10	0.11	12	
521583		<5	0.8	269	7	306	6	106	33	1.2	10	<5	<5	>10.00	672	<10	14	101	46	<20	<20	19	2.14	2.16	0.13	0.02	0.08	2	7	3	16	2	<5	<10	0.06	25	
521584		<5	<2	62	6	141	3	83	26	0.3	<5	<5	<5	4.93	549	<10	50	153	94	<20	<20	13	2.38	2.49	0.11	0.03	0.59	3	4	7	19	<1	7	<10	0.09	26	
521585		<5	0.3	151	4	32	<1	61	21	<0.2	7	20	<5	>10.00	4867	13	12	119	99	<20	<20	35	2.58	1.98	7.42	<0.1	<0.1	133	3	14	3	<1	6	<10	0.02	2	
521586		6	0.3	132	4	27	1	77	22	<0.2	6	9	<5	>10.00	4040	10	16	79	91	21	20	23	2.05	1.21	3.92	<0.1	0.24	55	5	12	5	<1	5	<10	0.07	7	
521587		8	0.7	126	8	47	5	73	20	0.4	12	<5	<5	>10.00	407	12	7	235	49	<20	<20	18	1.39	1.56	0.20	0.02	0.56	5	4	3	9	2	6	<10	0.07	23	
521588		1182	1.48	0.4	66	3	17	2	13	<1	<0.2	10	240	<5	>10.00	382	<10	2	119	19	<20	<20	15	1.40	0.70	0.76	0.02	0.02	13	4	3	<1	1	<5	<10	0.01	8
521589		56	0.3	16	25	339	6	134	30	4.1	7	14	<5	>10.00	1308	<10	16	81	36	<20	<20	19	1.39	1.09	0.16	0.02	0.23	3	4	3	8	2	<5	<10	0.08	36	
521590		<5	<2	13	3	41	2	18	3	<0.2	<5	18	<5	7.39	2293	<10	9	166	8	<20	<20	5	0.49	0.63	0.22	<0.1	0.06	2	2	<2	3	1	<5	<10	<0.1	10	
521591		16	<2	29	5	24	4	31	7	<0.2	10	<5	<5	8.97	674	<10	14	144	19	<20	<20	11	0.81	0.83	0.10	<0.1	0.04	1	5	<2	3	1	<5	<10	<0.1	11	
521592		<5	<2	41	9	104	2	73	18	<0.2	9	18	<5	5.85	843	<10	22	78	26	<20	<20	17	1.28	1.66	0.15	0.03	0.16	3	4	3	9	1	<5	<10	0.02	47	
521593		<5	<2	161	<2	65	<1	51	31	<0.2	6	22	<5	>10.00	2905	<10	57	181	135	<20	<20	34	4.60	3.03	3.31	0.04	0.15	19	5	12	15	<1	15	<10	0.05	2	

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# Intertek Testing Services

## Chimitec Bondar Clegg

# Rapport Lab Geochimie

## Geochemical Lab Report

CLIENT : EXPLORATION-INNOVATEUR  
 RAPPORT : C97-61797.0 ( COMPLET )

PROJET : 169.10  
 DATE DE L'IMPRESSION : 21-JUL-97 PAGE 2

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT	ALGO	Au	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr
			PPB	G/T	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PCT
521594	19		0.5	227	8	11	<1	971	508	<0.2	18	61	<5	>10.00	281	32	<1	80	20	26	<20	95	0.05	0.08	1.05	<.01	<.01	3	7	11	<1	<1	<5	<10	<.01	2	
521595	21		2.6	341	11	209	<1	248	79	0.7	19	53	5	>10.00	626	31	6	124	50	23	<20	93	0.85	1.33	0.38	<.01	0.06	2	4	9	11	<1	<5	<10	<.01	13	
521596	<5		0.6	261	16	400	2	174	63	1.1	16	17	<5	>10.00	1157	16	5	135	46	22	<20	38	1.09	1.72	0.71	0.03	0.06	5	4	4	6	<1	5	<10	0.03	23	
521597	7		0.3	230	12	592	3	177	125	1.8	12	11	<5	>10.00	761	11	16	250	51	<20	<20	28	1.33	1.40	2.48	0.03	0.06	24	3	2	5	<1	<5	<10	0.07	10	
521598	37		0.5	117	73	20	2	657	123	0.2	10	18	<5	>10.00	168	<10	1	163	6	<20	<20	5	0.26	0.28	0.22	0.01	<.01	9	<1	<2	4	<1	<5	<10	<.01	1	
521599	13		0.5	123	3	17	4	39	14	<0.2	9	10	<5	>10.00	473	<10	10	173	13	<20	<20	8	0.38	0.20	0.20	<.01	0.09	2	2	<2	3	<1	<5	<10	0.02	6	
521600	<5		<.2	61	21	267	7	87	21	0.7	<5	6	<5	4.46	181	<10	31	160	10	<20	<20	20	0.83	0.68	0.24	0.03	0.39	6	5	<2	7	<1	<5	<10	0.01	24	
521601	10		0.6	130	23	219	10	125	36	0.2	<5	5	<5	9.36	443	<10	15	76	5	<20	<20	12	1.01	1.01	0.07	0.02	0.18	2	5	<2	16	<1	<5	<10	<.01	43	
521602	15		0.3	65	30	421	10	80	23	0.9	<5	<5	<5	>10.00	190	<10	8	107	5	<20	<20	8	0.63	0.46	0.07	0.03	0.28	5	4	<2	5	<1	<5	<10	0.02	44	
521603	13		0.3	115	9	46	5	65	19	2.1	<5	621	<5	6.58	382	<10	36	194	50	<20	<20	9	1.87	1.45	0.33	0.04	0.39	8	5	<2	18	3	6	<10	0.04	34	
521604	8		0.4	23	4	13	6	40	9	<0.2	<5	<5	<5	6.76	529	<10	24	212	7	<20	<20	5	0.79	0.62	0.34	<.01	0.16	2	3	<2	9	<1	<5	<10	<.01	22	
521605	24		<.2	3	5	12	5	21	13	<0.2	<5	11	<5	>10.00	310	<10	1	133	8	<20	<20	2	1.55	1.36	0.22	<.01	0.02	2	3	<2	10	<1	<5	<10	<.01	9	
521606	22		<.2	31	9	21	6	32	9	<0.2	<5	93	<5	>10.00	406	<10	4	197	25	<20	<20	5	1.60	0.97	0.04	<.01	0.04	2	1	<2	15	1	<5	<10	<.01	19	
521607	18		0.4	87	28	21	5	29	7	<0.2	<5	26	<5	>10.00	415	<10	2	137	7	<20	<20	2	0.91	0.78	0.11	<.01	0.02	3	2	<2	3	<1	<5	<10	<.01	4	
521608	19		0.3	89	15	25	6	23	6	<0.2	<5	41	<5	>10.00	466	<10	3	170	11	<20	<20	4	1.45	0.87	0.09	<.01	0.02	1	1	<2	5	<1	<5	<10	<.01	11	
521609	<5		<.2	11	6	28	17	33	11	<0.2	<5	<5	<5	>10.00	4962	<10	27	67	2	<20	<20	5	0.32	0.34	1.60	<.01	0.08	65	5	<2	<1	<1	<5	<10	0.01	6	
521610	10		<.2	9	5	10	5	23	8	0.3	<5	172	<5	>10.00	5283	<10	26	41	10	<20	<20	13	1.32	0.38	2.18	<.01	0.13	63	5	<2	<1	<1	<5	<10	0.03	14	
521611	<5		<.2	6	6	7	6	11	3	0.6	<5	308	<5	>10.00	6893	<10	8	27	<1	<20	<20	2	0.14	0.48	2.64	0.01	0.10	33	10	<2	<1	<1	<5	<10	<.01	<1	

*ms*

## **NUMÉRIQUE**

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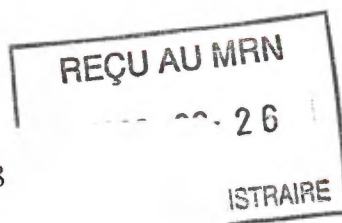
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## PROJET LA GRANDE

Permis 1291  
Tranchées, MaxMin et Forages  
Septembre 1997

MRN-GÉOINFORMATION 1998

GM 55998



Ressources Naturelles  
Secteur mines

23 JUIN 1998

Bureau Régional Val-d'Or

EDWIN GAUCHER

6278

*Edwin Gaucher*  
Edwin Gaucher, Ph.D., ing.

Projet EX-20

Le 5 janvier 1998

98176002


**Tableau des échantillons**

Echant. N°	Date	Type E/A	Réaction	dir	Surface	UTM Est	UTM Nord	Au (ppb)	Commentaires
627528	1-09-97	A		N-S	3m x 100m	343865	5910614	208	Site 521588. 2kg de fragments conducteurs riches en sulfures. tuff.
627529	1-09-97	A		N-S	3m x 100m	343865	5910614	693	Site 521588. 10kg de fragments non conducteurs. peu de sulfures. tuff
627530	1-09-97	A		N-S	3m x 100m	343865	5910614	2382	Site 521588. 5kg de fragments non conducteurs mais magnétiques. tuff
627531	3-09-97	A		N-S	100m	343198	5909796	77	Côté est de la tranchée originale du site 521571 Veine de Qz dans amphibolite
627532	6-09-97	A	> 10 000	N-S	3m x 100m	343865	5910614	275	Tranchée sud du site 521588. fragments riches en sulfures. tuff
627533	6-09-97	A	> 10 000	N-S	3m x 100m	343865	5910614	221	Tranchée sud. fragments riches en sulfures. tuff
627534	6-09-97	A	1000	N-S	3m x 100m	343865	5910614	< 5	Tranchée sud. prélevé sur 1.2 m du côté est, matériel peu conducteur. tuff
627535	6-09-97	A	> 10 000	N-S	3m x 100m	343865	5910614	146	prélevé sur 3m au centre de la tranchée sud. matériel riche en sulfures. tuff
627536	6-09-97	A	500	N-S	3m x 100m	343865	5910614	350	Tranchée sud. prélevé sur 1.4 m du côté ouest, matériel pauvre en sulfures. tuff
627537	6-09-97	A	11 000	N-S	3m x 100m	343865	5910614	309	Tranchée nord. prélevé sur 1.5m du côté est, partie conductrice et riche en sulfures. tuff
627538	6-09-97	A	400	N-S	3m x 100m	343865	5910614	77	Tranchée nord, prélevé sur 1.5 m à l'ouest. matériel assez pauvre en sulfures. tuff
627539	7-09-97	A		N-S	100m	343198	5909796	36	Site 521571. 0.4 m sur la veine de Qz dans amphibolite
627540	7-09-97	A		N-S	100m	343198	5909796	67	1.2 m sur le mur est de la veine de Qz dans amphibolite

# JOURNAL DE SONDAGE

Trou no 1 (Ex-97-10)

Feuille 1/6


 Gouvernement du Québec  
 Ministère de l'Énergie et des Ressources  
 Direction générale de l'exploration géologique et minière

TERRAIN LA GRANDE CIE Ex-IN INC. CANTON PEM 0001291 S.N.R.C. 33/F06 CLAIM RANG LOT	LOCALISATION: 3+98A / 0+00 VÉRIFICATION À AZIMUT N100° INCLINAISON -55°	UTM ZONE E N ARPENTAGE LAT. LONG. AZ. INCL.	COMMENCÉ LE TERMINÉ LE oct. 97 LONGUEUR 155' TYPE DE FORAGE JOURNAL PAR: MARTIN POIRIER, Ing. DATE 29 oct. 97 FORAGE PAR: EUREKA INC. TUBAGE LAISSÉ: oui <input type="checkbox"/> non <input type="checkbox"/>
ENTREPOSAGÉ DE LA CAROTTE Ex-IN			

DE	À	DESCRIPTION	ÉCHANTILLONS				ANALYSES				
			NO	DE	À	LONG.					
0	9'	TUF acide - lité - Magnétique - Couleur: grisâtre - Granulométrie: d'aphanitique à fine - Sulfures: 15% Po  0-4'4" Faible altération de surface (Rouille).  Remarque: 0-3'3" Forage de "Type BQ". - 3'-155' Forage de "Type A".	528051	0	5'	5'	Au (ppb)				
			528052	5'	10'	5'	340				

RESSOURCES NATURELLES  
 SECTEUR MINES  
 23 JUIN 1998  
 BUREAU RÉGIONAL VAL-D'OR







# JOURNAL DE SONDAGE

Trou no 1  
Feuille 5/6

Government of Québec  
Ministère de l'Énergie et des Ressources  
Direction générale de l'Évaluation géologique et minière

TERRAIN	LOCALISATION:	UTM ZONE	E	N	COMMENCÉ LE
CIE	VÉRIFICATION À	ARPENTAGE	ALTITUDE		TERMINÉ LE
CANTON		LAT.	LONG.		LONGUEUR
S.N.R.C.	CLAIM	AZ.	INCL.		TYPE DE FORAGE
RANG	LOT	INCLINAISON	JOURNAL PAR:		DATE
ENTREPOSAGE DE LA CAROTTE			FORAGE PAR:		TUBAGE LAISSÉ: oui <input type="checkbox"/> non <input type="checkbox"/>

DE	À	DESCRIPTION	ÉCHANTILLONS				ANALYSES				
			NO	DE	À	LONG.					
89'	155'	TuF (avec veinules Po) - Couleur: gris foncé - Granulométrie: Aphanitique à Très Fine - l:Te - Po en veinules millimétriques et disséminées (5%), localement	528055	89'	94'	5'	10				
		89'-90' Veinules PO, 20%	528056	96'	101'	5'	10				
		96' 8" - 99' PO massive (85%) avec QZ									
		99' - 105' 7" TuF vésiculaire - les vésicules sont remplies de Po	528057	104' 5"	109' 5"	5'	30				

# JOURNAL DE SONDAGE

Trou no 1  
Feuille 6/6

Ministère de l'Énergie et des Ressources  
Division géologique de l'Exploration géologique et minière

TERRAIN		LOCALISATION:				UTM ZONE		COMMENCÉ LE						
CIE		VÉRIFICATION À				ARPENTAGE		ALTITUDE						
CANTON		AZIMUT				LAT.		LONG.						
S.N.R.C. CLAIM		INCLINAISON				AZ.		INCL.						
RANG LOT		JOURNAL PAR:				DATE								
ENTREPOSAGE DE LA CAROTTE						FORAGE PAR:						TUBAGE LAISSÉ: oui <input type="checkbox"/> non <input type="checkbox"/>		
DE	À	DESCRIPTION	ÉCHANTILLONS				ANALYSES							
			NO	DE	À	LONG.	Au (ppb)							
		<p>105' 7" - 119' 2"</p> <p>Po semi-massive (40%) avec Qz, environ 80% de la carotte</p>	528058	110'	119' 3"	9' 3"	25							
		<p>119' 2" à 124"</p> <p>Enclave de basalte à phénocristaux de Grenat (5%), environ 70% de la carotte - Veinules de Qz blanc laiteux, 10% de la carotte</p>	528059	121'	126'	5'	25							
		<p>143' 6" à 146' 9"</p> <p>Po semi-massive (35%) avec Qz</p>	52860	142'	149' 6"	7' 6"	10							

TERRAIN LA GRANDE		LOCALISATION: 4+03N / 0+00		UTM ZONE <b>E</b> <b>IN</b>		COMMENCÉ LE					
CIÉ Ex-IN INC.		VÉRIFICATION À		ARPENTAGE		TERMINÉ LE <b>oct 97</b>					
CANTON : PEM 0001291		AZIMUT		LAT. LONG.		LONGUEUR <b>45'</b>					
S.N.R.C. 33 / F06 CLAIM		INCLINAISON <b>-45°</b>		AZ. INCL		TYPE DE FORAGE					
RANG LOT		JOURNAL PAR: <b>MARTIN POIRIER, Ing.</b>		DATE <b>30 oct. 97</b>							
ENTREPOSAGE DE LA CAROTTE <b>Ex-IN INC.</b>		FORAGE PAR: <b>Eureka INC.</b>		TUBAGE LAISSÉ: oui <input type="checkbox"/> non <input type="checkbox"/>							
DE	À	DESCRIPTION	ÉCHANTILLONS				ANALYSES				
			NO	DE	À	LONG.					
0	45'	<p>Basalte</p> <ul style="list-style-type: none"> <li>- Couleur: Vert foncé, tacheté rose</li> <li>- Granulométrie: Matrice aphanitique avec cristaux plus grossiers (granulométrie moyenne), texture spinifex ?</li> <li>- Phénocristaux GR 5%, jusqu'à 3 cm.</li> </ul> <p>Entrecoupé de formation de fer</p> <ul style="list-style-type: none"> <li>- Magnétique; 15% magnétite fine</li> <li>- Couleur: Vert pâle à blanchâtre tacheté rose.</li> <li>- Phénocristaux de GR, jusqu'à 20%, moins de 5 cm.</li> <li>- Représente environ 35% du Forage</li> </ul> <p>2' 1" Veine de Qz blanc laiteux (5cm de largeur)</p>	528061	1'9"	8'7"	6'2"	500				

# JOURNAL DE SONDAGE

Trou no 2  
Feuille 2/3

TERRAIN		LOCALISATION:		UTM ZONE <b>E</b> <b>N</b>		COMMENCÉ LE						
CIE				VÉRIFICATION À		ARPENTAGE		ALTITUDE		TERMINÉ LE		
CANTON						LAT.		LONG.		LONGUEUR		
S.N.R.C.		CLAIM		AZIMUT		AZ.		INCL.		TYPE DE FORAGE		
RANG		LOT		INCLINAISON		JOURNAL PAR:				DATE		
ENTREPOSAGE DE LA CAROTTE						FORAGE PAR:				TUBAGE LAISSÉ: oui <input type="checkbox"/> non <input type="checkbox"/>		
DE	À	DESCRIPTION	ÉCHANTILLONS				ANALYSES					
			NO	DE	À	LONG.	(Au (ppb))					
		2' 11" - 10' 4" TUF acide - 50% de la carotte - Couleur: gris clair - Contact avec Basalte graduel - 20% Po fine - Granulométrie idaphantique à fine	528062	26'	31'	5"	<5					
		36' 7" - 38' Série de veinules centimétriques de az blanc laitex.	528063	36' 6"	44' 8"	82"	30					

# JOURNAL DE SONDAGE

Trou no 2  
Feuille 3/3

Government of Quebec  
Ministère de l'Énergie et des Ressources  
Division générale de l'Exploration géologique et minière

TERRAIN		LOCALISATION:			UTM ZONE <span style="border: 1px solid black; padding: 0 2px;">E</span> <span style="border: 1px solid black; padding: 0 2px;">N</span>		COMMENCÉ LE			
CIE		VÉRIFICATION À			ARPENTAGE	ALTITUDE	TERMINÉ LE			
CANTON					LAT.	LONG.	LONGUEUR			
S.N.R.C. CLAIM		AZIMUT			AZ.	INCL.	TYPE DE FORAGE			
RANG LOT		INCLINAISON			JOURNAL PAR:		DATE			
ENTREPOSAGE DE LA CAROTTE					FORAGE PAR:		TUBAGE LAISSÉ: oui <input type="checkbox"/> non <input type="checkbox"/>			
DE	À	DESCRIPTION	ÉCHANTILLONS				ANALYSES			
			NO	DE	À	LONG.				
		<p>43' 7" - 44' 3"</p> <p>Veine de Qz blanc laiteux - Faiblement minéralisée en Po à l'éponte supérieure (43' 7").</p>								

**GUY GALARNEAU**

**PROJET RADISSON**

**RAPPORT DES  
TRAVAUX DE PROSPECTION  
EFFECTUÉS EN  
SEPTEMBRE 2002**



**CARTE 33F/06**

**QUEBEC**

**CANADA**



MRN-GÉOINFORMATION 2003

**GM 60553**

**JACQUES MARCHAND ING. GÉO.**

Sainte-Foy, le 1 février 2003

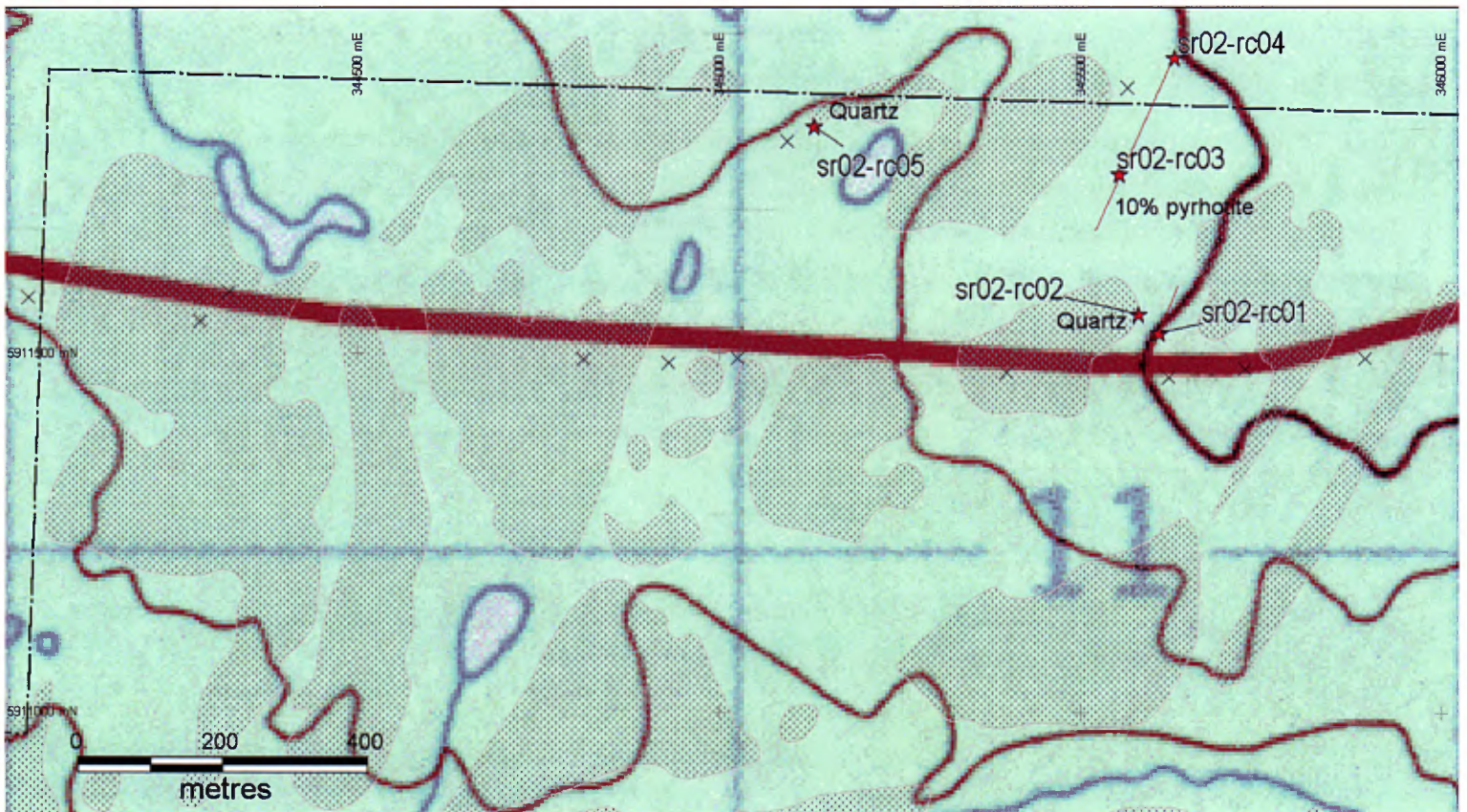


Figure 4 : Localisation des échantillons

Échantillon	UTMn83z18E	UTMn83z18N	Type	Description	Attitude	Note
sr02-rc01	345609	5911529	tuff felsic	laminé, 1%mt, 30 cm, 25m	10	mag en éponte, dans basalt à pillow, 20°, conducteur 50-2000lfr, conducteur non expliqué, demande dynamite
sr02-rc02	345580	5911555	quartz	fracturé, subconcordant, irrégulier, dans gabbro au contact avec sediment	20	50 a 2m, point nord
sr02-rc03	345553	5911749	basalt	vert foncé, f gr, 10%Po blanche disséminé	20	2 conducteurs, 55%, 30cmx25m a 340° et 30cmx25m à 10°, 50-2200lfr
sr02-rc04	345630	5911911	basalt	vert foncé, f gr, 10%Po blanche disséminé	10	2 conducteurs, 55%, 30cmx25m, 50-2200lfr
sr02-rc05	345132	5911816	quartz	intraformation, irrégulier, <1m, au contact gabbro-sediment	20	vieux sampling #148223



**Certificat D'Analyse Assay Lab Report**

RAPPORT: C02-43451.0 ( COMPLET )      RÉFÉRENCE: SY02-2  
 CLIENT: RESSOURCES SEARCHGOLD INC.      DEMIÉS PAR: J. MARCHAND  
 PROJET: SY02      DATE RECU: 22-OCT-02      DATE DE L'IMPRESSION: 7-NOV-02

DATE	PROJUVÉ	COMMANDE	ÉLÉMENT	NOMBRE D'ANALYSES	LIMITE INFÉRIEURE DE DETECTION	EXTRACTION	MÉTHODE
021107	1	AU20	Or	8	5 PPM	Pyro Analyse de 30g	30g Pyroanalyse - AA

COPIES DU RAPPORT A: 640, BOUL. RENE-LEVEQUE  
 H. JACQUES MARCHAND  
 H. JACQUES MARCHAND

\*\*\*\*\*  
 Ce rapport ne doit être reproduit que dans sa totalité. Les données présentées dans ce rapport sont exprimées sur base sèche sauf indication contraire et ne concernent que les échantillons reçus, identifiés par le numéro d'échantillon.  
 \*\*\*\*\*



**Certificat D'Analyse Assay Lab Report**

CLIENT: RESSOURCES SEARCHGOLD INC.      PROJET: SY02  
 RAPPORT: C02-43451.0 ( COMPLET )      DATE RECU: 22-OCT-02      DATE DE L'IMPRESSION: 7-NOV-02      PAGE 1 DE 1

NUMERO DE L'ECHANTILLON	ÉLÉMENT UNITES	AU20 PPM
SR02-RC002		43
SR02-RC005		39

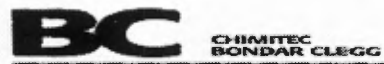
8 vials, bases projet

Chimitec - Bondar Clegg  
 1322-B rue Hérédia, Val d'Or, Québec, J9P 3J6  
 Tél: (819) 824-0176, Fax: (819) 824-0256

*Helene Dupuis*  
 Chimiste à l'essai

Chimitec - Bondar Clegg  
 1322-B rue Hérédia, Val d'Or, Québec, J9P 3J6  
 Tél: (819) 824-0176, Fax: (819) 824-0256

*Helene Dupuis*  
 Chimiste à l'essai



**Rapport Lab Geochimie Geochemical Lab Report**

CLIENT: RESSOURCES SEARCHGOLD INC.      PROJET: SY02  
 RAPPORT: C02-43451.0 ( COMPLET )      DATE RECU: 22-OCT-02      DATE DE L'IMPRESSION: 15-NOV-02      PAGE 1 DE 1

NUMERO DE L'ECHANTILLON UNITES	ÉLÉMENT AU20 PPM	Ag	Cu	Pb	Zn	Ni	Mn	Co	Sb	As	Se	Fe	Ni	Te	Ba	Cr	V	Sn	Li	La	Al	Mg	Ca	Nb	K	Sr	Y	Ga	In	Mo	Sc	Ta	Tl	Zr	B
SR02-RC001	6	2.147	4	57	7	56	27	4.2	<5	<5	3.63	268	410	29	131	39	<20	<20	10	1.39	1.23	0.18	0.05	0.8	41	5	3	9	3	<5	<10	0.77	41	1.22	
SR02-RC003	45	2.231	4	61	2	140	50	0.2	9	<5	5.20	383	410	96	301	101	<20	<20	3	2.05	1.41	1.97	0.37	0.87	60	5	4	10	3	8	<10	0.79	3	1.39	
SR02-RC005	7	0.3	345	3	782	1	153	67	4.8	<5	45	1.05	331	<10	16	172	24	<20	4	0.79	0.29	0.62	0.13	0.03	8	2	2	2	3	<5	<10	0.90	8	2.51	

*Helene Dupuis*

**APPENDIX 5**  
COMPLETE LIST OF ROCKS ANALYSED ON THE PROPERTY  
AND THE GEOCHEMICAL RESULTS

Sample Number	Estant	Nordant	GM	Company	Au ppb AFS	Pd ppb AFS	Pt ppb AFS	Ag ppm	As ppm	Co ppm	Cr ppm	Cu ppm	Ni ppm	Pb ppm	Zn ppm
6009	346024	5915721		Main Explor.				49,37							
6010	346024	5915721		Idem above	690			14,7							
	345768	5911029		Idem above				21,94							
8801	346766	5914649	48682	Ressources minières Planinor	12401			1,0	2			174			10
8802	346808	5914454	48682	Idem above	63			0,7	5,5			966			31
8803	346859	5914422	48682	Idem above	12			0,2	3			29			17
8804	344976	5907982	48682	Idem above	119			0,1	10			38			2
8805	344733	5908120	48682	Idem above	57			0,6	2			554			40
8806	344943	5908079	48682	Idem above	19			0,2	2			167			5
8807	345127	5908536	48682	Idem above	6			0,1	1			56			4
8808	345108	5908653	48682	Idem above	29			0,1	12			10			2
8809	345145	5909065	48682	Idem above	11			0,1	20			10			2
8810	345049	5909092	48682	Idem above	22			0,2	900			218			2
8811	345537	5914243	48682	Idem above	9			0,2	9			91			8
8812	345640	5914356	48682	Idem above	5			0,2	6			368			4
8813	346360	5913994	48682	Idem above	8			1,3	2			2100			20
8814	346263	5913954	48682	Idem above	1928			26,0	2			65000			97
8815	346345	5914057	48682	Idem above	85			0,8	1,5			810			340
8816	346292	5914111	48682	Idem above	19			0,2	1,5			477			8
8817	346113	5914836	48682	Idem above	8			0,6	1			28			38
8818	346003	5914488	48682	Idem above	35			2,3	31			463			60
8819	345929	5914406	48682	Idem above	39			1,0	8560			105			162
8820	345959	5914425	48682	Idem above	18			0,2	156			48			32
8821	346335	5914717	48682	Idem above	13			0,2	80			60			17
8822	346104	5914916	48682	Idem above	5			0,3	21			309			34
8823	345965	5914432	48682	Idem above	27			0,4	37			27			59
8824	346136	5914813	48682	Idem above	8			0,6	4			833			50
8825	345953	5914418	48682	Idem above	11			0,3	60			69			32
8826	345585	5913272	48682	Idem above	5			0,4	2,5			868			20
8827	345490	5911483	48682	Idem above	10			0,6	10			676			103
8828	345490	5911483	48682	Idem above	466			0,7	25342			507			94
8829	345107	5908649	48682	Idem above	23			0,2	10			8			10
8830	345157	5908609	48682	Idem above	30			0,4	1			454			4
8831	345113	5908756	48682	Idem above	70			0,5	2			143			23
8832	345116	5908567	48682	Idem above	32			0,4	1			266			1
8833	345051	5909050	48682	Idem above	4			0,3	133			74			5
8834	346273	5913978	48682	Idem above	75			0,9	3,5			2060			26
8835	346273	5913978	48682	Idem above	6			0,8	4			1765			53
8836	346273	5913978	48682	Idem above	21			1,2	2			5480			18
8837	346273	5913978	48682	Idem above	11			0,4	0,5			983			8
8838	346269	5913945	48682	Idem above	4			1,0	21			454			322
8839	346243	5913934	48682	Idem above	4			0,4	0,5			110			30
8840	346337	5914719	48682	Idem above	8			0,3	70			28			20
8841	346311	5914122	48682	Idem above	20	6	-5					334	18		
8842	346614	5914487	48682	Idem above	14	-2	-5					47	1800		
8843	345711	5913004	48682	Idem above	6	160	60					1450	1500		
8844	345637	5912933	48682	Idem above	10	46	10					180	820		
8845	345641	5912926	48682	Idem above	30	110	35					5200	600		
8846	345470	5912648	48682	Idem above	6	130	30					545	440		
8847	345453	5912625	48682	Idem above	36	930	200					2880	2100		
8848	345448	5912587	48682	Idem above	8	170	400					2000	1100		
8849	346337	5914719	48682	Idem above	26			0,4	73			69			18
8850	346356	5914724	48682	Idem above	3				2						
8851	346356	5914724	48682	Idem above	6			0,1	6			50			12
8852	346766	5914649	48682	Idem above	83			0,1	3,5			6			2
8853	346766	5914649	48682	Idem above	5493			0,7	5			6			9
8854	346774	5914665	48682	Idem above	110			0,4	3,5			217			19
8855	346774	5914665	48682	Idem above	60			0,3	12,5			11			34
8856	346752	5914633	48682	Idem above	80			0,3	1			6			3
8857	346769	5914655	48682	Idem above	79			0,3	0,5			550			7
8858	345511	5912606	48682	Idem above	8	48	25	0,1				305	750		
8859	345463	5912619	48682	Idem above	42	940	190	1,0				3650	2350		

Sample Number	Estant	Nordant	GM	Company	Au ppb AFS	Pd ppb AFS	Pt ppb AFS	Ag ppm	As ppm	Co ppm	Cr ppm	Cu ppm	Ni ppm	Pb ppm	Zn ppm
8860	345463	5912619	48682	Idem above	44	670	150	0,8				2300	1000		
8861	345463	5912619	48682	Idem above	26	1000	200	0,8				2700	2600		
8862	345463	5912619	48682	Idem above	12	260	70	0,1				330	360		
8863	345463	5912619	48682	Idem above	-2	10	5	0,1				33	195		
8864	345463	5912619	48682	Idem above	2	100	25	0,4				254	280		
8865	345463	5912619	48682	Idem above	24	500	110	0,7				2450	1100		
46801	345788	5918141	48682	Idem above	4	14	10	0,2	-5	33	90	61	97	6	26
46802	345802	5918167	48682	Idem above	2	14	5	0,2	-5	31	6	54	77	-2	28
46803	345776	5918210	48682	Idem above	4	-2	5	0,2	-5	32	237	37	56	10	28
46804	345776	5918210	48682	Idem above	6	-2	-5	0,2	5	12	25	51	14	12	12
46805	345652	5918217	48682	Idem above	12	-2	-5	0,2	-5	11	43	22	31	52	249
46806	345562	5918227	48682	Idem above	-2	-2	-5	0,2	-5	19	120	9	58	6	38
46807	345470	5918213	48682	Idem above	6	-2	-5	0,2	-5	29	363	14	205	-2	69
46808	345354	5918304	48682	Idem above	-2	-2	-5	0,2	5	3	41	5	34	8	7
46809	345354	5918304	48682	Idem above	2	-2	-5	0,2	5	5	44	5	16	4	11
46810	345354	5918126	48682	Idem above	4	-2	5	0,2	5	8	17	21	16	8	41
46811	346016	5917653	48682	Idem above	8	4	5	0,2	-5	203	56	109	80	-2	14
46812	346016	5917653	48682	Idem above	2	16	10	0,2	-5	44	222	55	132	16	49
46813	346249	5917534	48682	Idem above	10	6	5	0,2	-5	21	232	70	59	16	29
46814	346296	5917541	48682	Idem above	-2	-2	-5	0,2	-5	16	1835	13	1135	-2	11
46815	346367	5917268	48682	Idem above	-2	-2	-5	0,2	-5	41	32	62	36	10	60
46816	346366	5917227	48682	Idem above	-2	-2	-5	0,2	-5	20	19	21	36	2	24
46817	346465	5916940	48682	Idem above	-2	4	-5	0,2	10	27	178	32	65	-2	39
46818	346498	5916947	48682	Idem above	2	18	5	0,2	10	49	373	28	196	-2	37
46819	346387	5917676	48682	Idem above	-2	34	-5	0,2	30	90	891	50	1020	-2	34
46820	346652	5917357	48682	Idem above	-2	-2	-5	0,4	-5	36	10	198	27	-2	156
46821	346758	5917181	48682	Idem above	-2	16	5	0,4	10	72	1340	107	421	-2	23
46822	346699	5917181	48682	Idem above	-2	4	-5	0,2	-5	27	224	120	98	-2	18
46823	346724	5917010	48682	Idem above	-2	-2	-5	0,2	-5	2	32	14	52	-2	2
46824	346724	5917010	48682	Idem above	-2	-2	-5	0,2	-5	6	11	18	26	4	42
46825	346745	5916922	48682	Idem above	-2	-2	-5	0,2	5	10	6	20	4	-2	37
46826	347204	5916894	48682	Idem above	6	-2	-5	0,2	75	12	31	16	48	-2	3
46827	347204	5916894	48682	Idem above	6	-2	-5	0,2	50	4	32	9	17	-2	1
46828	346033	5918456	48682	Idem above	-2	6	-5	0,2	30	30	44	5	199	-2	2
46829	346112	5918513	48682	Idem above	-2	10	-5	0,2	70	13	627	14	894	-2	8
46830	346238	5918629	48682	Idem above	-2	8	-5	0,2	50	110	964	13	1300	-2	5
46831	347270	5916880	48682	Idem above	4	-2	-5	0,2	-5	21	211	\$51	60	-2	28
46832	347320	5916882	48682	Idem above	-2	-2	-5	0,2	-5	21	599	1	264	-2	30
46833	347607	5916860	48682	Idem above	4	10	-5	0,2	-5	10	137	39	34	-2	10
46834	347909	5916253	48682	Idem above	4	-2	-5	0,2	-5	23	64	151	51	-2	25
46835	347879	5915641	48682	Idem above	16	6	-5	0,2	-5	35	70	132	85	-2	44
46836	347907	5915703	48682	Idem above	4	8	-5	0,2	-5	21	94	72	55	4	20
46837	347872	5915741	48682	Idem above	2	-2	-5	0,2	-5	11	36	18	35	6	13
46838	347880	5915900	48682	Idem above	8	-2	-5	0,2	-5	7	16	8	17	6	33
46839	347889	5916035	48682	Idem above	2	10	-5	0,2	5	42	912	10	247	-2	27
46840	349928	5917266	48682	Idem above	2	-2	-5	0,2	-5	5	25	7	18	14	29
46841	349928	5917266	48682	Idem above	-2	-2	-5	0,2	-5	1	27	12	48	-2	4
46842	349933	5917332	48682	Idem above	-2	-2	-5	0,2	-5	1	14	19	21	8	1
46843	349777	5917307	48682	Idem above	-2	-2	-5	0,2	-5	2	13	10	23	8	4
46844	346964	5919545	48682	Idem above	488	-2	-5	0,2	10000	50	80	1465	175	552	11
46845	346964	5919545	48682	Idem above	10000	4	-5	4,2	10000	71	48	118	103	58	13
46846	347018	5919523	48682	Idem above	74	4	-5	1,0	495	87	75	85	78	6	12
46847	346964	5919545	48682	Idem above	4760	12	-5	1,0	10000	74	336	85	350	818	46
46848	346928	5919471	48682	Idem above	62	6	10	10,8	505	34	248	14	59	4	28
46849	346928	5919471	48682	Idem above	22	-2	-5	0,2	160	7	15	39	23	-2	6
46850	346256	5918852	48682	Idem above	6	2	-5	0,2	70	74	1255	8	422	-2	14
46851	346133	5918864	48682	Idem above	-2	16	-5	0,2	40	80	1215	50	980	-2	2
46852	345173	5911607	48682	Idem above	4	20	-5	0,2	30	33	149	180	94	4	97
46853	345171	5911549	48682	Idem above	8	10	-5	0,2	35	41	79	598	39	12	446
46854	345164	5911825	48682	Idem above	-2	-2	10	0,2	10	17	81	6	43	-2	66
46855	345147	5911886	48682	Idem above	2	28	-5	0,2	20	24	143	145	90	8	32
46856	345166	5912102	48682	Idem above	6	2	10	0,2	50	28	213	14	84	-2	137
46857	345166	5912102	48682	Idem above	34	-2	-5	0,2	10	13	174	277	78	6	100
46858	345210	5912354	48682	Idem above	-2	12	-5	0,2	10	30	239	27	132	-2	36

Sample Number	Estant	Nordant	GM	Company	Au ppb AFS	Pd ppb AFS	Pt ppb AFS	Ag ppm	As ppm	Co ppm	Cr ppm	Cu ppm	Ni ppm	Pb ppm	Zn ppm
46859	345210	5912354	48682	Idem above	8	8	10	0,2	10	21	185	16	88	-2	21
46860	345207	5912465	48682	Idem above	8	16	5	0,2	10	19	167	115	58	-2	35
46861	345207	5912465	48682	Idem above	6	18	5	0,2	-5	17	123	29	69	-2	18
46862	345222	5912559	48682	Idem above	10	176	35	0,2	-5	114	320	1100	528	18	29
46863	345235	5912615	48682	Idem above	-2	34	10	0,2	-5	35	232	226	135	6	31
46864	345238	5912866	48682	Idem above	14	14	-5	0,2	10	22	53	158	35	-2	24
46865	345680	5913549	48682	Idem above	6	4	-5	0,2	10	52	190	220	152	20	1230
46866	345963	5914313	48682	Idem above	4	10	-5	0,2	-5	15	85	43	36	-2	29
46867	346022	5914317	48682	Idem above	12	12	-5	0,2	10	27	147	90	49	-2	91
46868	346145	5914158	48682	Idem above	284	-2	-5	0,2	-5	44	137	4490	58	10	95
46869	346670	5912769	48682	Idem above	4	-2	-5	0,2	5	2	12	65	17	2	12
46870	346548	5913093	48682	Idem above	2	-2	-5	0,2	-5	1	14	8	10	2	2
46871	346536	5913164	48682	Idem above	6	2	-5	0,2	60	71	2090	54	942	-2	20
46872	346536	5913164	48682	Idem above	6	-2	-5	0,2	30	68	1950	3	1060	-2	18
46873	346470	5913269	48682	Idem above	2	-2	-5	0,2	40	90	1840	11	1740	-2	9
46874	346353	5913673	48682	Idem above	6	4	-5	0,2	5	109	89	322	182	-2	15
46875	346287	5913848	48682	Idem above	6	4	-5	0,6	-5	54	486	362	125	6	142
46876	346233	5913948	48682	Idem above	6	-2	-5	0,2	-5	113	58	726	385	6	54
46877	345896	5914842	48682	Idem above	6	12	15	0,2	-5	14	99	47	33	4	2
46878	345759	5915175	48682	Idem above	4	-2	-5	0,2	-5	19	74	40	48	6	42
46879	345820	5915030	48682	Idem above	4	-2	-5	0,2	-5	17	125	81	56	4	16
46880	346099	5914417	48682	Idem above	4	12	-5	0,2	-5	14	157	49	62	-2	8
46952	345823	5917998	48682	Idem above	8	-2	-5	0,2	-5	21	299	145	66	-2	38
46953	345808	5917849	48682	Idem above	2	-2	-5	0,2	-5	5	55	13	255	4	10
46954	345808	5917770	48682	Idem above	-2	-2	-5	0,2	5	4	69	25	20	-2	21
46955	345786	5917678	48682	Idem above	-2	-2	-5	0,2	-5	10	60	7	24	-2	60
46956	345708	5917027	48682	Idem above	-2	-2	-5	0,2	5	9	47	6	22	8	48
46957	345404	5916174	48682	Idem above	-2	-2	-5	0,2	10	34	458	20	238	-2	25
46958	345853	5917046	48682	Idem above	-2	-2	-5	0,2	5	-1	30	10	16	2	4
46959	346067	5917005	48682	Idem above	-2	-2	-5	0,2	15	10	52	6	26	-2	59
46960	346121	5917002	48682	Idem above	-2	-2	-5	0,2	-5	5	38	66	27	2	23
46961	346266	5917011	48682	Idem above	-2	-2	-5	0,2	5	20	99	3	52	-2	42
46962	346287	5916962	48682	Idem above	2	-2	-5	0,2	-5	4	33	3	16	-2	31
46963	346401	5916945	48682	Idem above	2	-2	-5	0,2	-5	-1	10	13	21	-2	2
46964	346444	5916978	48682	Idem above	-2	16	20	0,2	10	26	423	5	55	-2	45
46965	346438	5915916	48682	Idem above	-2	-2	-5	0,2	5	3	34	9	34	-2	5
46966	346438	5915916	48682	Idem above	4	10	-5	0,2	-5	40	428	87	198	4	65
46967	346438	5915916	48682	Idem above	4	-2	-5	0,2	10	8	40	6	25	4	23
46968	346438	5915916	48682	Idem above	12	-2	-5	0,2	75	5	100	23	16	10	17
46969	346556	5916977	48682	Idem above	-2	-2	-5	0,2	5	20	78	99	59	2	39
46970	346622	5916979	48682	Idem above	25	-2	-5	0,2	5	32	126	154	71	-2	46
46971	346745	5916922	48682	Idem above	2	-2	-5	0,2	-5	2	38	17	57	-2	3
46972	346631	5916189	48682	Idem above	2	-2	-5	0,2	-5	11	29	17	33	-2	112
46973	346826	5916247	48682	Idem above	6	14	10	0,2	-5	14	133	58	55	8	18
46974	346568	5915655	48682	Idem above	4	6	-5	0,2	5	26	38	67	66	4	12
46975	346582	5915690	48682	Idem above	20	26	-5	0,2	-5	2	29	962	51	2	4
46976	346576	5915873	48682	Idem above	-2	-2	-5	0,2	-5	6	24	30	24	-2	3
46977	347416	5917834	48682	Idem above	4	16	-5	0,2	30	92	2840	3	1085	16	13
46978	347363	5917782	48682	Idem above	2	26	-5	0,2	25	114	3740	14	1190	16	21
46979	347363	5917782	48682	Idem above	2	14	-5	0,2	20	498	2560	4	1035	14	31
46980	347790	5917629	48682	Idem above	-2	2	-5	0,2	-5	22	215	53	77	6	32
46981	348991	5917297	48682	Idem above	4	-2	-5	0,2	-5	4	33	19	31	6	6
46982	348943	5917150	48682	Idem above	-2	-2	-5	0,2	-5	31	20	18	47	12	52
46983	348943	5917150	48682	Idem above	-2	-2	-5	0,2	-5	14	114	47	43	4	18
46984	348992	5917079	48682	Idem above	-2	-2	-5	0,2	-5	5	14	25	8	4	23
46985	349031	5916635	48682	Idem above	4	-2	-5	0,2	-5	33	7	101	44	4	40
46986	348822	5917338	48682	Idem above	-2	-2	-5	0,2	-5	-1	8	31	4	6	2
46987	348065	5917602	48682	Idem above	-2	-2	-5	0,2	-5	4	16	6	11	8	19
46988	347835	5917600	48682	Idem above	-2	-2	-5	0,2	-5	3	38	14	24	4	13
46989	345205	5911477	48682	Idem above	2	6	-5	0,2	5	17	81	47	35	2	32
46990	345205	5911477	48682	Idem above	-2	4	-5	0,2	5	39	178	5	66	6	100
46991	345205	5911477	48682	Idem above	8	8	25	0,2	5	26	109	123	66	4	54
46992	345205	5911477	48682	Idem above	6	6	-5	0,2	-5	23	51	123	94	2	34
46993	345958	5911479	48682	Idem above	-2	-2	-5	0,2	-5	10	8	4	10	4	19

Sample Number	Estant	Nordant	GM	Company	Au ppb AFS	Pd ppb AFS	Pt ppb AFS	Ag ppm	As ppm	Co ppm	Cr ppm	Cu ppm	Ni ppm	Pb ppm	Zn ppm
46994	345961	5911532	48682	Idem above	2	-2	-5	0,2	-5	13	38	76	41	4	13
46995	346018	5911583	48682	Idem above	-2	-2	-5	0,2	-5	33	31	84	44	6	35
46996	345982	5911803	48682	Idem above	22	-2	-5	0,2	-5	2	22	569	40	-2	3
46997	345976	5911623	48682	Idem above	12	-2	-5	0,2	-5	45	43	412	75	8	60
46998	346010	5911632	48682	Idem above	300	-2	-5	0,2	-5	11	20	170	54	2	16
46999	346010	5911632	48682	Idem above	4	-2	-5	0,2	-5	5	6	36	2	-2	2
47000	346010	5911632	48682	Idem above	-2	-2	-5	0,2	-5	11	31	31	28	2	15
62001	346058	5911649	48682	Idem above	-2	-2	-5	0,2	-5	-1	20	9	26	20	1
62002	346159	5911662	48682	Idem above	6	-2	-5	0,2	5	-1	22	6	17	4	1
62003	345567	5911572	48682	Idem above	14	-2	-5	0,2	-5	54	46	315	46	18	96
62004	345567	5911572	48682	Idem above	2	8	10	0,2	-5	10	68	36	47	48	10
62005	344645	5911518	48682	Idem above	-2	12	10	0,2	5	26	135	130	60	38	30
62006	343673	5911515	48682	Idem above	-2	-2	-5	0,2	-5	20	11	57	7	8	39
62007	343714	5911758	48682	Idem above	2	12	10	0,2	-5	33	461	111	176	4	23
62008	343287	5911897	48682	Idem above	-2	-2	-5	0,2	5	3	29	13	30	6	25
62009	342981	5911893	48682	Idem above	4	-2	-5	0,2	15	17	29	19	29	-2	27
62010	342610	5911702	48682	Idem above	2	-2	-5	0,2	5	28	170	35	107	4	63
62011	343387	5911887	48682	Idem above	-2	-2	-5	0,2	-5	5	17	8	-1	6	
62012	343387	5911887	48682	Idem above	-2	6	-5	0,2	15	29	206	31	56	4	34
62013	343387	5911887	48682	Idem above	-2	-2	-5	0,2	10	21	34	7	24	6	40
62014	343387	5911887	48682	Idem above	-2	-2	-5	0,2	55	16	31	56	51	18	11
62015	345154	5911278	48682	Idem above	8	-2	-5	0,2	-5	32	24	3	31	6	64
62016	345083	5908992	48682	Idem above	-2	-2	-5	0,2	-5	9	17	1	33	4	41
62017	345097	5909084	48682	Idem above	18	-2	-5	0,2	500	31	33	142	37	26	4
62018	345002	5909082	48682	Idem above	8	-2	-5	0,2	-5	51	247	21	112	-2	55
62019	345002	5909082	48682	Idem above	-2	-2	-5	0,2	-5	17	35	4	19	2	31
62020	344681	5908190	48682	Idem above	-2	-2	-5	0,2	10	30	13	27	10	10	64
62021	344681	5908190	48682	Idem above	4	-2	-5	0,2	5	26	59	135	42	12	22
62022	344873	5908059	48682	Idem above	10	-2	-5	1,0	100	17	17	277	64	10	5
62023	344885	5908035	48682	Idem above	-2	-2	-5	0,2	-5	30	11	37	11	10	115
62024	344871	5908090	48682	Idem above	-2	-2	-5	0,2	-5	27	8	24	7	2	119
62025	345078	5908317	48682	Idem above	108	-2	-5	0,6	10	13	83	133	34	102	1
62026	345509	5910736	48682	Idem above	2	10	-5	0,2	-5	9	42	32	27	2	11
62027	345509	5910736	48682	Idem above	-2	-2	-5	0,2	-5	4	60	16	33	12	6
62028	345509	5910736	48682	Idem above	6	6	-5	0,2	25	85	97	90	103	12	137
62029	345509	5910736	48682	Idem above	-2	-2	-5	0,2	-5	4	47	14	25	4	10
62030	345509	5910736	48682	Idem above	-2	-2	-5	0,2	-5	17	56	54	121	-2	25
62031	345509	5910736	48682	Idem above	4	-2	-5	0,2	-5	4	19	13	29	14	13
62032	345509	5910736	48682	Idem above	2	10	-5	0,2	5	38	388	57	245	2	15
62033	344956	5911538	48682	Idem above	-2	-2	-5	0,2	-5	1	22	7	14	-2	2
62034	344956	5911538	48682	Idem above	-2	2	10	0,2	10	22	141	55	67	10	66
sr02-rc01	345609	5911529	60553	Jacques Marchand Ing. Géo.	6			-0,2	-5	-0,2	151	147	56	6	57
sr02-rc03	345553	5911749	60553	Idem above	-5			-0,2	-5	0,2	301	231	140	4	61
sr02-rc04	345630	5911911	60553	Idem above	7			0,3	-5	3,8	172	365	153	1	1582
DC-77	344074	5911815	50501	Noranda Exploration	32							1460			
DC-78	344074	5911815	50501	Idem above	2							10			
DC-79	344074	5911815	50501	Idem above	9							680			
DC-80	344074	5911815	50501	Idem above	-1							77			
DC-81	344029	5911550	50501	Idem above	-1							4160			
DC-82	342924	5911640	50501	Idem above	5							13			
DC-83	343224	5911690	50501	Idem above	4							24			
DC-84	343224	5911690	50501	Idem above	7							20			
DC-85	343499	5911740	50501	Idem above	2							42			
DC-86	343499	5911765	50501	Idem above	1							226			
DC-87	343499	5911765	50501	Idem above	4							12			
DC-88	345624	5911415	50501	Idem above	1							335			
DC-89	345624	5911415	50501	Idem above	255							2080			
DC-90	345624	5911415	50501	Idem above	2							300			
DC-91	345824	5911415	50501	Idem above	8							188			
DC-92	346149	5911440	50501	Idem above	28							900			

Sample Number	Estant	Nordant	GM	Company	Au ppb AFS	Pd ppb AFS	Pt ppb AFS	Ag ppm	As ppm	Co ppm	Cr ppm	Cu ppm	Ni ppm	Pb ppm	Zn ppm
DC-93	346149	5911440	50501	Idem above	6							301			
DC-94	346249	5911440	50501	Idem above	1							125			
DC-95	346249	5911440	50501	Idem above	-1							165			
DC-96	346249	5911440	50501	Idem above	2							500			
RV-13	346604	5915490	50501	Idem above	108							3660			
RV-39	346124	5914950	50501	Idem above	1							65			
RV-40	346054	5914990	50501	Idem above	2							106			
RV-41	346054	5914990	50501	Idem above	2							107			
RV-42	346054	5914990	50501	Idem above	30							107			
RV-43	346054	5914990	50501	Idem above	1							6			
RV-44	346004	5915050	50501	Idem above	1							114			
RV-45	345964	5915140	50501	Idem above	5							399			
RV-46	345964	5915140	50501	Idem above	1							205			
RV-47	346714	5912820	50501	Idem above	6						105	19			
RV-48	345834	5913060	50501	Idem above	2							6			
RV-49	345774	5915060	50501	Idem above	2							46			
RV-50	345774	5915060	50501	Idem above	2							6			
RV-51	345774	5915130	50501	Idem above	2							99			
RV-52	345724	5915140	50501	Idem above	-1							9			
RV-53	345724	5915140	50501	Idem above	2							6			
RV-54	345724	5915140	50501	Idem above	2							11			
RV-55	345724	5915120	50501	Idem above	3							9			
RV-56	345714	5915180	50501	Idem above	2							33			
RV-57	345654	5915160	50501	Idem above	3							54			
RV-58	345674	5915190	50501	Idem above	2							6			
RV-59	345624	5915180	50501	Idem above	3							60			
RV-60	345624	5915180	50501	Idem above	2							9			
RV-183	347824	5914150	50501	Idem above	1							26			
RV-184	347824	5914150	50501	Idem above	-1							3			
RV-185	347624	5914100	50501	Idem above	6							377	138		95
RV-186	347624	5914100	50501	Idem above	-1							13			
RV-187	347444	5913910	50501	Idem above	-1							16			
RV-188	347444	5913910	50501	Idem above	-1							22			
RV-189	347444	5913910	50501	Idem above	-1							119			
RV-217	346424	5912990	50501	Idem above	70						38	19			
RV-218	346404	5912920	50501	Idem above	8							192			
RV-219	346404	5912920	50501	Idem above	-1							4			
RV-220	346404	5912920	50501	Idem above	-1							5			
RV-221	346404	5912920	50501	Idem above	-1							3			
RV-222	346504	5912870	50501	Idem above	-1							4			
RV-223	346424	5912850	50501	Idem above	1							127			
RV-224	346424	5912850	50501	Idem above	4							11			
RV-225	346404	5912840	50501	Idem above	1							4			
RV-226	346364	5912810	50501	Idem above	1							5			
RV-227	346364	5912840	50501	Idem above	1							4			
RV-228	346364	5912840	50501	Idem above	1							2			
RV-229	346234	5912850	50501	Idem above	-1							4			
RV-230	346314	5912620	50501	Idem above	3						2000	4			
RV-231	346314	5912780	50501	Idem above	11							43			
RV-232	346314	5912780	50501	Idem above	-1							4			
RV-233	346314	5912780	50501	Idem above	5							98			
RV-234	346314	5912780	50501	Idem above	-1							6			
RV-235	346224	5912780	50501	Idem above	-1							30			
RV-236	346224	5912780	50501	Idem above	4							73			
RV-237	346224	5912740	50501	Idem above	1							82			
RV-238	346024	5912540	50501	Idem above	1							51			
RV-239	346024	5912540	50501	Idem above	4							125			
RV-240	346324	5912570	50501	Idem above	13							134			
RV-241	346424	5912570	50501	Idem above	19							294			
RV-242	346424	5912570	50501	Idem above	-1							25			
RV-243	346124	5912580	50501	Idem above	3							125			
RV-244	346124	5912540	50501	Idem above	3							17			
RV-245	346074	5912540	50501	Idem above	2							52			
RV-246	346074	5912690	50501	Idem above	11							440			

Sample Number	Estant	Nordant	GM	Company	Au ppb AFS	Pd ppb AFS	Pt ppb AFS	Ag ppm	As ppm	Co ppm	Cr ppm	Cu ppm	Ni ppm	Pb ppm	Zn ppm
RV-247	346074	5912690	50501	Idem above	12							480			
RV-248	346074	5912690	50501	Idem above	25							10800			
RV-249	346074	5912690	50501	Idem above	303							17600			
RV-250	346074	5912690	50501	Idem above	-1							8			
RV-251	346074	5912740	50501	Idem above	4							117			
RV-252	346134	5912810	50501	Idem above	3							480			
RV-253	346124	5912790	50501	Idem above	-1							5			
RV-254	346134	5912750	50501	Idem above	90							7240			
RV-255	346134	5912750	50501	Idem above	243							1580			
RV-256	346134	5912770	50501	Idem above	-1							28			
RV-257	346234	5912840	50501	Idem above	1							153			
RV-258	346234	5912840	50501	Idem above	1							19			
RV-260	346224	5913000	50501	Idem above	-1							7			
RV-529	345584	5913635	50501	Idem above	13						143	115			
RV-530	345584	5913635	50501	Idem above	98							10			
RV-531	345609	5913760	50501	Idem above	2							133			
RV-532	345609	5913770	50501	Idem above	8							101			
RV-533	344364	5912940	50501	Idem above	-1							3			
RV-534	344374	5913000	50501	Idem above	7							97			
RV-535	344374	5913015	50501	Idem above	-1							3			
RV-536	344469	5912970	50501	Idem above	1							50			
RV-537	344524	5912930	50501	Idem above	-1							35			
RV-538	344629	5912930	50501	Idem above	-1							45			
608353	334624	5896694	55442	Idem above	-5			0,7				553			61
608354	343535	5911941	55442	Idem above	-5			0,3				215			21
608355	343501	5912143	55442	Idem above	80			0,9				25			12
608356	343529	5912337	55442	Idem above	-5			0,9				33			28
608357	343493	5912694	55442	Idem above	-5			0,6				56			51
608358	343565	5911164	55442	Idem above	-5			0,4				218			62
608359	343309	5910882	55442	Idem above	16			0,6				1867			29
608360	343339	5910634	55442	Idem above	-5			1,3				59			34
608361	342973	5910411	55442	Idem above	13			1,5				158			11
608362	343154	5910024	55442	Idem above	309			0,9				99			7
627528	343889	5910854	55998	Idem above	208										
627529	346889	5910854	55998	Idem above	693										
627530	343889	5910854	55998	Idem above	2382										
627531	343222	5910036	55998	Idem above	77										
627532	343889	5910854	55998	Idem above	275										
627533	343889	5910854	55998	Idem above	221										
627534	343889	5910854	55998	Idem above	-5										
627535	343889	5910854	55998	Idem above	146										
627536	343889	5910854	55998	Idem above	350										
627537	343889	5910854	55998	Idem above	309										
627538	343889	5910854	55998	Idem above	77										
627539	343222	5910036	55998	Idem above	36										
627540	343222	5910036	55998	Idem above	67										
521567	343222	5910036	55997	EX-IN Explo	286			0,6				105			11
521568	343222	5910036	55997	Idem above	19			-0,2				10			46
521569	343222	5910036	55997	Idem above	52			0,3				57			12
521570	343222	5910036	55997	Idem above	91			-0,2				43			3
521571	343222	5910036	55997	Idem above	1500			0,4				40			2
521572	343222	5910036	55997	Idem above	78			0,4				91			9
521573	343222	5910056	55997	Idem above	88			-0,2				20			15
521574	343222	5910021	55997	Idem above	-5			-0,2				169			20
521575	343204	5909981	55997	Idem above	-5			-0,2				514			16
521576	343143	5909743	55997	Idem above	-5			-0,2				76			39
521577	343149	5909758	55997	Idem above	-5			-0,2				354			194
521578	343134	5909700	55997	Idem above	-5			-0,2				262			32
521579	344024	5911538	55997	Idem above	-5			-0,2				405			22
521580	343863	5911594	55997	Idem above	20			0,4				416			409
521581	343919	5911360	55997	Idem above	7			0,8				1118			978
521582	343225	5909661	55997	Idem above	-5			-0,2				86			105
521583	343233	5909661	55997	Idem above	-5			0,8				269			306
521584	343217	5909621	55997	Idem above	-5			-0,2				62			141

Sample Number	Estant	Nordant	GM	Company	Au ppb AFS	Pd ppb AFS	Pt ppb AFS	Ag ppm	As ppm	Co ppm	Cr ppm	Cu ppm	Ni ppm	Pb ppm	Zn ppm
521585	343242	5910110	55997	Idem above	-5			0,3				151			32
521586	343249	5910160	55997	Idem above	6			0,3				132			27
521587	343161	5909546	55997	Idem above	8			0,7				126			47
521588	343889	5910854	55997	Idem above	2840			0,4				66			17
521589	343840	5910890	55997	Idem above	56			0,3				16			339
521590	343840	5910890	55997	Idem above	-5			-0,2				13			41
521591	343921	5910584	55997	Idem above	16			-0,2				29			24
521592	343898	5910368	55997	Idem above	-5			-0,2				41			104
521593	343901	5910944	55997	Idem above	-5			-0,2				161			65
521594	344020	5911756	55997	Idem above	19			0,5				227			11
521595	343919	5911796	55997	Idem above	21			2,6				341			209
521596	343903	5911741	55997	Idem above	-5			0,6				261			400
521597	343941	5911979	55997	Idem above	7			0,3				230			592
521598	344012	5911987	55997	Idem above	37			0,5				117			20
521599	342989	5909670	55997	Idem above	13			0,5				123			17
521600	342969	5909517	55997	Idem above	-5			-0,2				61			247
521601	342837	5909793	55997	Idem above	10			0,6				130			219
521602	342970	5909439	55997	Idem above	15			0,3				65			421
521603	343101	5909230	55997	Idem above	13			0,3				115			46
521604	343476	5911843	55997	Idem above	8			0,4				23			13
521605	343453	5911983	55997	Idem above	24			-0,2				3			12
521606	343424	5911610	55997	Idem above	22			-0,2				31			21
521607	343444	5911579	55997	Idem above	18			0,4				87			21
521608	343394	5911480	55997	Idem above	19			0,3				89			25
521609	343121	5912372	55997	Idem above	-5			-0,2				11			28
521610	343106	5912375	55997	Idem above	10			-0,2				9			10
521611	343320	5912258	55997	Idem above	-5			-0,2				6			7
521612	343226	5909091	55997	Idem above	15			0,2				479			64
521613	343224	5909441	55997	Idem above	24			1,2				176			218
521614	343738	5909758	55997	Idem above	23			0,6				27			46
521615	343734	5909743	55997	Idem above	38			0,2				34			57
521616	343731	5909720	55997	Idem above	9			-0,2				9			5
521617	337806	5898068	55997	Idem above	18			-0,2				381			61

## **APPENDIX 6**

COMPLETE LIST OF HOLES DRILLED ON AND ON THE EDGE OF  
THE PROPERTY AND THEIR SIGNIFICANT GEOCHEMICAL  
RESULTS

Hole Number	ESTN	NORD	Lithology intersected	# Report Ass.	Intersection
1 ( EX-97-10)	343864	5917013	V[tu]/F1/V3B,[en]S9	GM 55998	350 ppb Au / 3.1m
2 ( IN-97-10)	343866	5910925	V3B,[en]S9,V1[tu]	GM 55998	500 ppb Au / 1.83m
1000W-1	347230	5917013	S1/S6-S9/S4	GM 51236	Pas analysé
1400N-1	346208	5913883	V3[VN]QZ,SF/V[TU][I]4	GM 50438	7.3 g/t Au / 0.2 m
1400N-1	346208	5913883	V3[VN]QZ,SF/V[TU][I]4	GM 50438	2.6 % Cu / 0.2 m
1600N-1	345890	5914344	V3B/V2/V1[TU],SF	GM 50437	0.27 % Pb / 0.5 m
1800N-1	346316	5914291	S1/V[TU]-S9B-I4I	GM 50438	3.4 g/t Au / 0.3 m
1800N-1	346316	5914291	S1/V[TU]-S9B-I4I	GM 50438	3.6 % Cu / 0.3 m
1800N-1	346316	5914291	S1/V[TU]-S9B-I4I	GM 50438	3.6 % Cu / 0.3 m
1950N-1	346268	5914497	I4I/S1/V3B	GM 50438	0.12 % Ni / 3.1 m
2000N-1	346143	5914651	V3B/V2/V1[TU]SF	GM 50437	3.9 g/t Au / 0.2 m
2000N-2	346143	5914652	V3B-V2/V1[TU],SF	GM 50437	4.7 g/t Au / 1.5 m
2000N-2	346143	5914652	V3B-V2/V1[TU],SF	GM 50437	1.4 % Zn / 0.5 m
2050N-1	346172	5914696	V1/V2[TU]/V3B,SF	GM 50437	2.86 g/t Au / 7.2 m
2050N-2	346173	5914697	V2[TU]/V3B-V1[TU]	GM 50437	3 g/t Au / 2.2 m
2050N-3	346334	5914548	V3B-V[TU],SF	GM 50517	2.4 g/t Au / 1.5 m
2050N-3	346334	5914548	V3B-V[TU],SF	GM 50517	2.2 g/t Au / 1.9 m
2050N-3	346334	5914548	V3B-V[TU],SF	GM 50517	0.33 % Zn / 0.5 m
2050N-3	346334	5914548	V3B-V[TU],SF	GM 50517	0.12 % Cu / 1.5 m
2050N-4	346334	5914548	V3B/V[TU],SF	GM 50517	0.26 % Cu / 0.2 m
2100N-1	346265	5914678	V[TU]4/S/S9B	GM 50438	2.9 g/t Au / 2.4 m
2100N-1	346265	5914678	V[TU]4/S/S9B	GM 50438	38.9 g/t Ag / 2.4 m
2100N-1	346265	5914678	V[TU]4/S/S9B	GM 50438	0.11 % Ni / 4.1 m
2100N-2	346196	5914732	V1/V2-V3[TU],SF	GM 50437	2.9 g/t Au / 2.5 m
2100N-2	346196	5914732	V1/V2-V3[TU],SF	GM 50437	12.4 g/t Au / 0.4 m
2100N-2	346196	5914732	V1/V2-V3[TU],SF	GM 50437	10.5 g/t Au / 0.7 m
2100N-2	346196	5914732	V1/V2-V3[TU],SF	GM 50437	Pas analysé
2100N-3	346194	5914731	V3B/V3-V1[TU],SF	GM 50437	3.6 g/t Au / 4.8 m
2100N-3	346194	5914731	V3B/V3-V1[TU],SF	GM 50437	7.67 g/t Au / 2.1 m
2100N-3	346194	5914731	V3B/V3-V1[TU],SF	GM 50437	Pas analysé
2100N-4	346365	5914599	V3B,SF-V[TU],SF	GM 50517	1 g/t Au / 5.6 m
2150N-1	346234	5914779	V3B/V2[TU],SF	GM 50437	0.45 g/t Au / 1.9 m
2150N-1	346234	5914779	V3B/V2[TU],SF	GM 50437	Pas analysé
2150N-2	346233	5914777	V3B/V3[TU]SF	GM 50437	0.2 % Cu / 1.5 m
2150N-2	346233	5914777	V3B/V3[TU]SF	GM 50437	Pas analysé
2400N-1	346373	5914982	V3B-V2[TU],SF-I4I	GM 50437	0.8 % Cu / 0.1 m
2400N-1	346373	5914982	V3B-V2[TU],SF-I4I	GM 50437	0.45 % Cr / 4.6 m
2400N-2	346692	5914740	V3,SF/S1/I3A	GM 50517	0.18 % Cu / 0.3 m
2550N-1	346522	5915047	V2[TU]/V3B/I4I	GM 51236	0.4 % Cu / 4.9 m
2550N-1	346522	5915047	V2[TU]/V3B/I4I	GM 51236	0.4 % Ni / 4.9 m
2550N-1	346522	5915047	V2[TU]/V3B/I4I	GM 51236	0.16 g/t Au / 4.9 m
2550N-1	346522	5915047	I4I,TC,CB/V2[TU],PO,CP,AS-B3B	GM 51236	4.6 % Cr2O3 / 2.9 m
2600N-1	346601	5915056	V3B/V3/V2[TU],SI+,PY,CP / I3A,CP,AS,PO	GM 51236	1.2 g/t Au / 7.3 m
2600N-1	346601	5915056	I4I,OF,PO,AS/V3[TU]/V3B	GM 51236	0.38 % Cu / 2.4 m
2600N-1	346601	5915056	I4I,OF,PO,AS/V3[TU]/V3B	GM 51236	1.03 % Ni / 2.4 m
2600N-2	346573	5915083	I4I,TC,CB/V2[TU]PO,AS,PY	GM 51236	1.3 % Ni / 7.3 m
2600N-2	346573	5915083	I4I,TC,CB/V2[TU]PO,AS,PY	GM 51236	0.4 % Cu / 7.3 m
2600N-2	346573	5915083	V3B/V2[TU],SF/I4I	GM 51236	0.22 g/t Au / 7.3 m
2650N-1	346617	5915119	V3,SF-141,CM,SF	GM 51236	0.1 % Cu / 4.2 m
2650N-1	346617	5915119	V3,SF-141,CM,SF	GM 51236	0.9 % Ni / 4.2 m
2650N-1	346617	5915119	V3,SF-141,CM,SF	GM 51236	4.6 % Cr2O3 / 6.5 m
2650N-1	346617	5915119	141,OF,SF	GM 51236	0.39 g/t Au / 0.3 m
2700N-1	346738	5915092	I4I,SF-V3[TU],SF	GM 50438	0.3 % Cu / 3.4 m
2700N-1	346738	5915092	I4I,SF-V3[TU],SF	GM 50438	0.5 % Ni / 3.4 m
2700N-1	346738	5915092	I4I,SF-V3[TU],SF	GM 50438	2 % Cr2O3 / 4.8 m
2800N-1	346703	5915236	V3/I4I/V[TU],SF	GM 51236	1.8 g/t Au / 0.9 m
2800N-1	346703	5915236	V3/I4I/V[TU],SF	GM 51236	4.8 % Cr2O3 / 2.7 m
2800N-1	346703	5915236	V3/I4I/V[TU],SF	GM 51236	0.13 % Ni / 5.6 m
286-3	345877	5911115	M12,SF-M16-I4	GM 10200	Pas analysé
286-4	346294	5915836	M12-S9,GP,SF	GM 10200	Pas analysé

Hole Number	ESTN	NORD	Lithology intersected	# Report Ass.	Intersection
286-7	345954	5913671	M8,BO,CL-I3A-I4-SF	GM 10200	52.7 g/t Ag / 1.8 m
286-7	345954	5913671	M8,BO,CL-I3A-I4-SF	GM 10200	0.09 % Cu / 1.8 m
286-8	346376	5915769	M12/M8,GP,SF-M16	GM 10200	Pas analysé
3000N-1	345600	5912732	V3B/I4I-M8,SF/I3A	GM 50438	0.13 % Ni / 8.3 m
3300N-1	347003	5915635	V3B/I4I/V1[TU]	GM 50437	0.2 % Cu / 0.7 m
3500N-1	347141	5915760	V3B/I4I,SF	GM 50437	3.7 % Cr2O3 / 6.7 m
3500N-1	347141	5915760	V3B/I4I,SF	GM 50437	0.1 % Ni / 6.7 m
3600N-1	346936	5916044	V3B/I3A/V3[TU],SF	GM 50437	0.57 % Cu / 1.5 m
3600N-2	346717	5916219	V3V[TU]/S1/S9/S4/[zf]	GM 50437	0.17 % U / 1.5 m
3600N-3	347168	5915880	I4I,CM,SF/V3[TU]	GM 51236	3 % Cr2O3 / 1 m
3600N-3	347168	5915880	I4I,CM,SF/V3[TU]	GM 51236	0.13 % Ni / 2.6 m
3700N-1	347177	5916044	I4I,SF/V[TU]/I1D	GM 50437	10.74 % Cr / 6.1 m
3700N-1	347177	5916044	I4I,SF/V[TU]/I1D	GM 50437	13.86 % Cr / 3.2 m
3700N-2	347230	5916005	I4I/V3,SF	GM 50517	3.8 % Cr / 1.8 m
3700N-2	347230	5916005	I4I/V3,SF	GM 50517	0.13 % Cu / 0.7 m
3700N-2	347230	5916005	I4I/V3,SF	GM 50517	0.15 % Ni / 0.7 m
3900N-1	347300	5916147	V3B/I4I-M12	GM 50437	3.86 % Cr2O3 / 1.4 m
3900N-1	347300	5916147	V3B/I4I-M12	GM 50437	1.7 g/t Au / 0.3 m
4000N-1	347342	5916232	I4I,CM,SF	GM 51236	12.1 % Cr2O3 / 2.6 m
4000N-2	347387	5916213	I4I/V3B	GM 51236	1.7 % Cr2O3 / 3 m
4050N-1	347375	5916279	I4I,CM/V3B	GM 51236	Pas analysé
4050N-2	347328	5916301	V3B-I4I	GM 51236	1.5 % Cr2O3 / 2 m
4100N-1	347434	5916286	I4I,CM,SF/V3B	GM 50517	26.15 % Cr2O3 / 9.1 m
4100N-1	347434	5916286	I4I,CM,SF/V3B	GM 50517	0.15 % Ni / 4.5 m
4100N-1	347434	5916286	I4I,CM,SF/V3B	GM 50517	0.12 % Ni / 5.7 m
4100N-2	347434	5916287	I4I,CM,SF	GM 51236	4.4 % Cr2O3 / 5.5 m
4150N-1	347480	5916334	I3A/V3B/I4I,CM	GM 51236	0.6 % Cu / 0.2 m
4150N-1	347480	5916334	I3A/V3B/I4I,CM	GM 51236	6.7 % Cr2O3 / 2.8 m
4200N-1	347480	5916391	I4I,SF	GM 51236	Pas analysé
4300N-1	347679	5916358	V3B/I4I/I1D	GM 50437	0.1 % Cu / 0.3 m
4300N-2	347333	5916613	S1/S9D/V[TU]	GM 51236	
4400N-1	347469	5916632	V[TU]/V3A/S6	GM 51236	2.1 g/t Au / 3.7 m
4400N-2	347640	5916505	I4I-V2[TU]/V3B	GM 51236	2.7 % Cr2O3 / 3.9 m
4500N-1	347697	5916583	I4I,CM/V[TU]	GM 50517	3 % Cr2O3 / 3 m
4500N-1	347697	5916583	I4I,CM/V[TU]	GM 50517	0.12 % Ni / 10.6 m
4700N-1	347552	5916940	V3B/V[TU]/I2I	GM 51236	Pas analysé
4800N-1	347845	5916849	I4I,SF-I3A	GM 50517	0.18 % Ni / 12.8 m
4800N-1	347845	5916849	I4I,SF-I3A	GM 50517	2.26 % Cr2O3 / 0.7 m
4900N-1	347859	5916958	V3B,SF-I4I,SF	GM 50517	6.1 % Cr2O3 / 2.7 m
4900N-1	347859	5916958	V3B,SF-I4I,SF	GM 50517	0.2 % Ni / 5.4 m
4915N-1	347898	5916965	V3B,SF/I4I,SF	GM 50517	1.3 % Cu / 0.5 m
4915N-1	347898	5916965	V3B,SF/I4I,SF	GM 50517	1 g/t Au / 0.5 m
4915N-1	347898	5916965	V3B,SF/I4I,SF	GM 50517	0.59 % Ni / 0.5 m
4915N-1	347898	5916965	V3B,SF/I4I,SF	GM 50517	3 % Cr2O3 / 3.5 m
4930N-1	347873	5916995	V3B/I4I,CM	GM 50437	10.9 % Cr2O3 / 12.7 m
4930N-1	347873	5916995	V3B/I4I,CM	GM 50437	0.17 % Ni / 3.1 m
4965N-1	347883	5917037	V3B/I4I,SF	GM 50517	3.9 % Cr2O3 / 1.7 m
4965N-1	347883	5917037	V3B/I4I,SF	GM 50517	0.13 % Ni / 4 m
49886-0	345223	5908655	S1/S4,FC	GM 30047	Pas analysé
5000N-1	347885	5917090	I4I/V3B/V[TU]	GM 50517	3.4 % Cr2O3 / 0.7 m
5000N-1	347885	5917090	I4I/V3B/V[TU]	GM 50517	0.17 % Ni / 3.5 m
5100N-1	347744	5917296	V3B/I4I,CM/V1[TU]	GM 50437	4.1 % Cu / 0.3 m
5100N-1	347744	5917296	V3B/I4I,CM/V1[TU]	GM 50437	23 % Cr2O3 / 0.9 m
5100N-2	347593	5917412	V3B/V2[TU]/I4I	GM 50517	3.2 % Cr2O3 / 4.1 m
5100N-2	347593	5917412	V3B/V2[TU]/I4I	GM 50517	0.15 % Ni / 8.1 m
5100N-3	347392	5917546	I4I/V3B	GM 50517	3.3 % Cr2O3 / 1.9 m
5100N-3	347392	5917546	I4I/V3B	GM 50517	1 % Ni / 0.2 m
5100N-3	347392	5917546	I4I/V3B	GM 50517	0.11 % Ni / 4.6 m
5100N-4	347807	5917241	V3B/I4I/I1	GM 51236	1.2 % Cu / 0.3 m
5100N-4	347807	5917241	V3B/I4I/I1	GM 51236	1.3 % Ni / 0.3 m

Hole Number	ESTN	NORD	Lithology intersected	# Report Ass.	Intersection
5100N-4	347807	5917241	V3B/I4I/I1	GM 51236	1.5 % Cr2O3 / 1.7 m
5100N-5	347698	5917337	V3B/I4I,CM,SF	GM 51236	0.9 % Cu / 2.5 m
5100N-5	347698	5917337	V3B/I4I,CM,SF	GM 51236	0.1 % Ni / 2.5 m
5100N-5	347698	5917337	V3B/I4I,CM,SF	GM 51236	5.6 % Cr2O3 / 3.2 m
5100N-5	347698	5917337	V3B/I4I,CM,SF	GM 51236	5 % Cr2O3 / 4.9 m
5100N-6	347698	5917338	V3B/I4I,CM,SF	GM 51236	0.8 % Cu / 0.9 m
5100N-6	347698	5917338	V3B/I4I,CM,SF	GM 51236	9.3 % Cr2O3 / 1.6 m
75N-1	345600	5912732	V3B/I4I,SF/I3A	GM 50438	0.16 % Cu / 8.3 m
75N-1	345600	5912732	V3B/I4I,SF/I3A	GM 50438	0.43 g/t Pd / 8.3 m
800N-1	345946	5913335	I4I/I4B,SF	GM 50438	0.12 % Cu / 0.5 m
MK-06-46	347270	5917953	I4I	GM 64095	3930 ppm Ni / 2.2 m
MK-06-46	347270	5917953	I4I	GM 64095	2510 ppm Ni / 1.4 m
MK-06-46	347270	5917953	I4I	GM 64095	3.78 % Cr2O3 / 0.7 m
MK-06-46	347270	5917953	I4I	GM 64095	1030 ppm Cu / 0.7 m
MK-06-46	347270	5917953	I4I	GM 64095	1.21 % Cr2O3 / 0.7 m
MK-06-46	347270	5917953	I4I	GM 64095	4705 ppm Ni / 1.1 m
MK-06-46	347270	5917953	I4I	GM 64095	1570 ppm Cu / 1.1 m
MK-06-46	347270	5917953	I4I	GM 64095	3930 ppm Cu / 0.1 m
MK-06-46	347270	5917953	I4I	GM 64095	5935 ppm Ni / 1 m
MK-06-46	347270	5917953	I4I	GM 64095	1810 ppm Cu / 1 m
MK-06-47	347257	5917794	I4I	GM 64095	3.87 % Cr2O3 / 4.5 m
MK-06-47	347257	5917794	I4I	GM 64095	10.54 % Cr2O3 / 1.3 m
MK-06-47	347257	5917794	I4I	GM 64095	2500 ppm Ni / 3 m
MK-07-78	346987	5917961	I1-V3/I4I/M8(BO)/I3A	GM 64095	3460 ppm Ni / 0.5 m
MK-07-78	346987	5917961	I1-V3/I4I/M8(BO)/I3A	GM 64095	2.04 % Ni / 1.2 m
MK-07-78	346987	5917961	I1-V3/I4I/M8(BO)/I3A	GM 64095	3280 ppm Cu / 1.2 m
MK-07-78	346987	5917961	I1-V3/I4I/M8(BO)/I3A	GM 64095	5690 ppm Cu / 0.6 m
MK-07-78	346987	5917961	I1-V3/I4I/M8(BO)/I3A	GM 64095	1.51 % Cr / 2 m
MK-07-78	346987	5917961	I1-V3/I4I/M8(BO)/I3A	GM 64095	4.6 % Cr / 2 m
MK-07-78	346987	5917961	I1-V3/I4I/M8(BO)/I3A	GM 64095	1.12 % Cr / 1 m
MK-07-78	346987	5917961	I1-V3/I4I/M8(BO)/I3A	GM 64095	2140 ppm Pd / 1.2 m
MK-07-78	346987	5917961	I1-V3/I4I/M8(BO)/I3A	GM 64095	4560 ppm Ni / 0.2 m
MK-07-78	346987	5917961	I1-V3/I4I/M8(BO)/I3A	GM 64095	1.57 % Ni / 0.6 m
MK-07-78	346987	5917961	I1-V3/I4I/M8(BO)/I3A	GM 64095	3480 ppm Ni / 1 m
MK-07-78	346987	5917961	I1-V3/I4I/M8(BO)/I3A	GM 64095	6340 ppm Ni / 0.6 m
MK-07-78	346987	5917961	I1-V3/I4I/M8(BO)/I3A	GM 64095	1490 ppm Cu / 0.6 m

## **APPENDIX 7**

### **COMPILATION OF LAKE-BOTTOM AND STREAM SEDIMENT ANALYSES**

**Table 7a:** Assayed Bottom Lake Sediments Samples Results for Some Elements

**Table 7b:** Assayed Sediments Stream Sample Results for Some Elements

Type Assays	Sample #	ESTANT (nad 83, 18)	NORDANT (nad 83, 18)	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Co (ppm)	Pb (ppm)	Zn (ppm)	Ni (ppm)	Pd (ppb)	Pt (ppb)
AA	1957013585	345326	5906030		0,6	3,1	23,0	10,0	9,0	89,0	30,0		
EP	1957013585	345326	5906030		0,4		14,0	6,0	4,0	91,0	21,0		
ICP	1957013585	345326	5906030		0,056	0,9	22,6	5,8	5,2	94,9	25,5	10,0	5,0
AA	1957013630	347126	5906530	5	0,7	6,6	19,0	10,0	9,0	142,0	34,0		
EP	1957013630	347126	5906530		0,4		12,0	6,0	4,0	140,0	26,0		
ICP	1957013630	347126	5906530		0,061	0,7	20,1	6,5	5,8	145,6	28,7	10,0	2,0
AN	1957013630	347126	5906530			1,0							
AA	1957013673	347026	5908230	5	0,4		17,0	6,0	9,0	69,0	18,0		
ICP	1957013673	347026	5908230		0,062	0,1	17,5	2,7	4,1	81,9	13,1	10,0	2,0
AN	1957013673	347026	5908230			1,0	3,0						
AA	1957013674	345326	5907730	5	0,3	2,4	3,0	3,0	6,0	44,0	19,0		
EP	1957013674	345326	5907730		0,4		4,2	2,0	2,0	44,0	12,0		
ICP	1957013674	345326	5907730		0,022	3,2		1,2	1,5	48,7	14,0	10,0	2,0
AN	1957013674	345326	5907730			6,0							
AA	1957013722	343526	5905630		0,7	4,5	9,0	12,0	9,0	77,0	34,0		
EP	1957013722	343526	5905630		0,4		17,1	7,0	4,0	73,0	22,0		
ICP	1957013722	343526	5905630		0,054	1,3	16,0	7,7	5,2	84,3	28,6	10,0	2,0
AA	1957013723	344326	5906430	5	0,3	0,4	16,0	7,0	7,0	19,0	13,0		
EP	1957013723	344326	5906430		0,4		9,0	4,0	2,0	20,0	10,0		
ICP	1957013723	344326	5906430		0,026	1,3	15,2	5,5	2,4	21,9	13,9	10,0	2,0
AN	1957013723	344326	5906430			2,0							
AA	1957013724	347326	5910130	5	0,3	3,4	17,0	8,0	10,0	57,0	21,0		
EP	1957013724	347326	5910130		0,4		11,0	5,0	2,0	58,0	16,0		
An	1957013724	347326	5910130			2,0							
AA	1957013726	342826	5908230		1,0	3,7	22,0	12,0	8,0	83,0	30,0		
EP	1957013726	342826	5908230		0,05								
ICP	1957013726	342826	5908230			1,8	25,6	9,7	3,3	94,8	28,4	10,0	2,0
AA	1957013768	348826	5911130	5	0,8	3,5	14,0	21,0	9,0	38,0	23,0		
EP	1957013768	348826	5911130		0,4		11,0	15,0	3,0	38,0	17,0		
ICP	1957013768	348826	5911130		0,036	0,9	17,2	19,3	3,6	46,5	22,7	10,0	2,0
AN	1957013768	348826	5911130			1,0							
AA	1957013771	345626	5910830		0,3	3,3	14,0	8,0	7,0	32,0	17,0		
AA	1957013772	341526	5909631		0,3	1,7	18,0	5,0	8,0	58,0	17,0		
AA	1957013804	345826	5912430		0,2	4,2	9,0	2,0	7,0	26,0	12,0		
AA	1957013839	341826	5912531	51	0,9	5,8	13,0	14,0	19,0	58,0	25,0		
AN	1957013839	341826	5912531			4,0							
AA	1957013840	343326	5911030		0,2	4,0	35,0	7,0	4,0	55,0	22,0		
AA	1957013841	346626	5913831		0,7	1,7	9,0	10,0	4,0	49,0	14,0		
AA	1957013892	349426	5914331		0,2	1,1	4,0	2,0	4,0	24,0	7,0		
AA	1957013893	347126	5915431		0,3	3,4	32,0	4,0	4,0	25,0	28,0		
AA	1957013894	343226	5914231	5	0,3	4,7	12,0	9,0	8,0	43,0	22,0		
EP	1957013894	343226	5914231		0,4		6,0	5,0	4,0	39,0	15,0		
ICP	1957013894	343226	5914231		0,035	2,3	11,8	6,4	5,5	45,5	17,9	10,0	2,0
AN	1957013894	343226	5914231			3,0							
AA	1957013939	345426	5917331		0,9	9,0	28,0	17,0	13,0	63,0	39,0		
AA	1957013983	342926	5916331	5	0,7	8,2	12,0	19,0	7,0	51,0	28,0		
EP	1957013983	342926	5916331		0,053								
ICP	1957013983	342926	5916331			4,0	12,6	13,4	4,2	61,0	25,2	10,0	2,0
AN	1957013983	342926	5916331			4,0							
AA	1957013984	350126	5917031		0,3	4,5	22,0	9,0	4,0	81,0	23,4		
EP	1957013984	350126	5917031		0,057								
ICP	1957013984	350126	5917031			0,1	21,0	5,3	2,6	88,5	28,0	10,0	15,0

Sample #	ESTANT (nad 83, 18)	NORDANT (nad 83, 18)	Au* (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Co (ppm)	Pb (ppm)	Zn (ppm)	Ni (ppm)
1973009418	345425	5917744		0,6		9	24	16	54	45
1973009419	345477	5917864		0,5		13	7	7	16	21
1973009420	345348	5917961		0,6		70	29	8	20	83
1973009422	344991	5917907		0,7		25	24	11	50	65
1973009423	344939	5917797		0,5		14	14	10	36	32
1973009424	344611	5917697		0,4		6	8	7	28	20
1973009425	343734	5917209		0,3		11	5	11	16	14
1973009427	343399	5916954		0,4		13	10	24	52	25
1973009428	342795	5916873		0,4		9	6	6	24	14
1973009429	343582	5916459		1,1		5	8	10	38	18
1973009430	343925	5916574		0,3		13	12	16	40	26
1973009431	344358	5916632								
1973009432	344733	5916591		0,2		6	8	8	32	14
1973009433	344766	5916731		0,8		3	20	6	16	8
1973009434	345442	5916655		0,7		3	8	6	16	8
1973009435	345416	5916294		0,4		6	6	10	34	14
1973009436	345620	5916466		0,3		5	8	8	18	8
1973009437	345924	5916612		0,5		4	6	6	18	10
1973009438	345126	5916931		0,5		20	8	6	26	22
1973009439	346955	5917725		0,3		16	8	16	35	24
1973009440	346977	5917503		0,6		31	18	24	66	76
1973009441	346565	5917510		0,4		6	6	8	22	14
1973009442	346399	5916514		0,2		7	14	12	24	10
1973009443	346635	5916861		0,5		3	4	8	14	4
1973009444	346448	5916744		0,4		5	2	14	14	8
1973009445	346935	5916786								
1973009446	347435	5915694		0,5		55	7	32	32	28
1973009447	347437	5916125		0,4		5	16	12	21	12
1973009448	347723	5916427		0,4		10	14	11	50	18
1973009449	347904	5916434		0,4		7	18	12	30	18
1973009450	348119	5917003		0,3		10	10	16	44	24
1973009477	348016	5916894		0,4		12	8	14	42	12
1973009478	348503	5917193		0,5		34	21	19	40	33
1973009479	347872	5917308		0,5		30	20	7	56	41
1973009480	347385	5917597		0,4		17	12	7	38	55
1973009481	346695	5918688		0,6		11	6	10	40	28
1973009590	350911	5916486								
1973009591	350637	5916937		0,1		2	28	4	14	2
1973009592	350546	5917165		0,2		9	5	13	22	6
1973009593	350902	5917179		0,2		9	6	6	26	9
1973009594	351379	5917186		0,1		5	6	8	20	8
1973009595	350603	5917309		0,2		13	8	17	26	11
1973009596	349684	5916662		0,4		10	11	30	54	22
1973009597	349790	5916364		0,2		5	7	28	28	10
1973009598	349897	5915855		0,2		7	7	9	22	8
1973009599	348893	5916499		0,4		9	18	18	52	14
1973009600	348828	5916791	5	0,6	15	8	24	28	42	16
1973010151	349097	5916997		0,4		30	12	27	38	17
1973010152	349640	5917320		0,5		47	14	11	32	33
1973010153	349910	5917587		0,5		22	19	20	54	25
1973010154	350158	5917683		0,4		15	9	4	62	13
1973010155	350934	5917891		0,3		5	7	9	18	9

\* All gold assays of SIGEOM database were take off by MRN because problem of the gold contamination

## **APPENDIX 8**

### **LOGS FOR DRILL HOLES 2600N-1 AND 2600N-2 (PLATINUM-AUGYVA OR YASINSKI-NE SHOWING)**

**Table 8a:** Hole 2050N-1

**Table 8b:** Hole 2600N-1

Sondage N°: 2050N-1

Tests d'inclinaison

Prospect: YASINSKIGrille de réf.: Grille métrique

Prof. Angle

Projet N°: \_\_\_\_\_ N.T.S.: 33F/6Coordonnées: 20+50N, 4+00W

collet - 45°

Localisation: Canton 3114Azimuth: N 120°66.75m - 43°Claim N°: 4604671Plongée: - 45°Diamètre de la carotte: BQLongueur totale: 66.75 mètres (219')Contracteur: Forage Globatech

Proj. horizontale: \_\_\_\_\_

Début du sondage: 17 Octobre 1990

Proj. verticale: \_\_\_\_\_

Fin du sondage: 18 Octobre 1990

Profondeur		Description	Echant. N°	Intersection		Analyses				
De	à			De - à	Largeur (m)	AU ppb	AG ppm	CU ppm	ZN ppm	AS ppm
0	4.9	Mort-terrain Tubage retiré du trou.								
4.9	35.7	TUF BASIQUE à INTERMEDIAIRE Gris-vert à vert foncé et brun, grain fin à grossier, modérément cisailé et folié 55-60° a/c. Amphibolitisé et chloritisé. Interlité avec un peu de metabasalte.								
		7.85: Zone fortement biotitisée, foliée 70° a/c avec un peu de qtz et 0.5 % po sur 30 cm.	49232	7.85-8.15	0.3	124	1.7	691	74	4.0
		15.45: Zone modérément biotitisée et amphibolitisée avec un peu de veinage de qtz-carb(calcite) et 1 % po sur 25 cm.	49233	15.45-15.7	0.25	325	1.0	243	27	1375
		19.30: Zone modérément cisailée et foliée 55-60° a/c avec 1 % po sur 1.45 m.	49234	19.30-20.75	1.45	44	0.8	200	41	72
		23.0: Zone foliée et cisailée 55-60° a/c avec 10 % po sur 55 cm.	49235	23.0-23.55	0.55	26	0.8	183	53	271
		23.55: Zone cisailée et foliée 55° a/c modérément carboantisée et siliceuse avec 1-2 % po, 1 % asp, tr cp, py sur 35 cm.	49236	23.55-23.9	0.35	293	2.5	794	155	8466

Par: Bernard Borduas, Géologue.

Profondeur		Description	Echant. N°	Intersection		Analyses				
De	à			De - à	Largeur (m)	AU ppb	AG ppm	CU ppm	ZN ppm	AS ppm
		23.9:Zone modérément cisailée 55° a/c légèrement carbonatisée avec 1 % po,py tr asp sur 1 mètre.	49237	23.9-24.9	1.0	8	1.4	240	103	10.5
		27.8:Zone modérément cisailée et biotitisée avec un peu d'amphiboles grossiers et 1 % po,tr py,asp sur 70 cm.	49238	27.8-28.5	0.7	42	0.5	129	23	29
		28.5:Zone cisailée 60° a/c,fortement biotitisée,carbonatisée(calcite) avec 2 % po,1 % py et 1 % asp sur 40 cm.	49239	28.5-28.9	0.4	839	4.3	448	96	5150
		28.9:Zone modérément cisailée et biotitisée avec 2 % po,py sur 1.25 mètres.	49240	28.9-30.15	1.25	2916	1.8	238	187	3925
		30.15:Zone avec amphiboles grossiers,modérément amphibolitisée,chloritisée et biotitisée avec 1 % po,py et 0.5 % asp sur 1.35 mètres.	49241	30.15-31.5	1.35	591	1.3	115	72	1050
		31.5:Zone à amphiboles grossiers avec 1 % po,py sur 1.05 mètre.	49242	31.5-32.55	1.05	94	0.6	69	64	7.0
		32.55:Zone cisailée,foliée et carbonatisée avec 1-2 % asp,po,py sur 20 cm.	49243	32.55-32.75	0.2	10860	2.8	334	58	5050
		32.75:Zone idem à 49242 sur 80 cm.	49244	32.75-33.55	0.8	1602	1.2	117	33	452
		34.25:Zone modérément cisailée 60° a/c biotitisée et chloritisée avec amphiboles grossiers,une légère altération fuchsitique 1 % po, 1% asp et trace py sur 1.45 mètres.	49245	34.25-35.7	1.45	8484	1.3	62	65	4400
35.7	44.6	TUF INTERMEDIAIRE à FELSIQUE Vert foncé à gris moyen,grain fin à grossier.Modérément amphibolitisé,chloritisé. Légèrement siliceux et sericitisé.								
		35.7:Zone cisailée 60° a/c,biotitisée, modérément chloritisé et carbonatisé avec 2 % py et tr asp sur 1.7 mètres.	49246	35.7-38.4	1.7	196	1.6	148	74	460
		38.4:Zone cisailée 65° a/c,foliée,légèrement siliceuse et fuchsitique avec 1 % py sur 1.15 mètre.	49247	38.4-39.55	1.15	100	0.4	73	31	9.5
		42.0:Zone de qtz-carb,modérément chlori-	49248	42.0-43.6	1.6	66	1.5	63	29	38

Profondeur		Description	Echant. N°	Intersection		Analyses				
De	à			De - à	Largeur (m)	AU ppb	AG ppm	CU ppm	ZN ppm	AS ppm
		tisée avec < 1 % py sur 1.6 mètres.								
44.6	47.4	METABASALTE Vert foncé, grain fin à moyen, amphibolitisé et chloritisé, légèrement cisailé 60-65° a/c .								
47.4	66.75	TUF FELSIQUE Gris foncé à pale, grain fin à moyen, modérément siliceux et séricitisé. Localement très pyritisé.								
		47.4: Zone de contact modérément cisailée 60-65° a/c avec 2 % py sur 60 cm.	49249	47.4-48.0	0.6	71	0.8	146	43	38
		48.0: Altération fuchsitique avec < 1 % py sur 1.2 mètres.								
		53.0: Zone avec 20 % py sur 1.35 mètres.	49250	53.0-54.35	1.35	73	0.7	227	27	99
		54.35: Zone avec veinage de qtz-carb, 1-2% de tourmaline noire et 2 % po, py sur 75 cm.	49251	54.35-55.1	0.75	56	0.8	206	52	84
		57.6: Veine de qtz stérile sur 80 cm.								
		63.5: Zone idem à 49251 sur 70 cm.	49252	63.5-64.2	0.7	24	0.2	56	23	13.0
		FIN DU SONDAGE à 66.75 mètres. ( 219' )								
		Sommaire des analyses d'intérêt.				AU ppb	AU g/tm	AU oz/t		
		Moyennes pondérées:	49239	28.5-28.9	0.4	839	0.84	0.024		
			49240	28.9-30.15	1.25	2916	2.9	0.085		
		2.86 g/t Au sur 7.2m de 28.5m à 35.7m	49241	30.15-31.5	1.35	591	0.59	0.017		
		ou 0.083 oz/t Au sur 23.6 pieds	49242	31.5-32.55	1.05	94				
		incluant:	49243	32.55-32.75	0.2	10860	10.9	0.31		
			49244	32.75-33.55	0.8	1602	1.6	0.046		
		5.01 g/t Au sur 3.15m de 32.55m à 35.7m	49245	34.25-35.7	1.45	8484	8.5	0.25		
		ou 0.145 oz/t Au sur 10.3 pieds.								

Sondage N°: 2050N-2Grille de réf.: Grille métriqueCoordonnées: 20+50N, 4+01WAzimuth: N 120°Plongée: - 63°Longueur totale: 100.27 mètres (329')

Proj. horizontale: \_\_\_\_\_

Proj. verticale: \_\_\_\_\_

Tests d'inclinaison:

Prof. Angle

collet - 63°

100.27m - 53°

Prospect: YASINSKIProjet N°: \_\_\_\_\_ N.T.S.: 33F/6Localisation: Canton 3114Claim N°: 4604671Diamètre de la carotte: BQContracteur: Forage GlobatechDébut du sondage: 18 Octobre 1990Fin du sondage: 19 Octobre 1990

Profondeur		Description	Echant. N°	Intersection		Analyses				
De	à			De - à	Largeur (m)	AU ppb	AG ppm	CU ppm	ZN ppm	AS ppm
0	3.96	Mort-terrain Tubage laissé dans le trou.								
3.96	44.3	TUF BASIQUE à INTERMEDIAIRE Gris-vert à vert foncé et brun, grain fin à grossier, modérément cisailé et folié 40° a/c. Amphibolitisé et chloritisé. Interlité avec un peu de metabasalte. 11.1: Biotitisation intense et foliation 35° a/c sur 15 cm, stérile. 25.8: Zone cisailée 40° a/c, quartzeuze avec amphiboles grossiers, légèrement carbonatisée avec 1 % po, py sur 90cm. 30.35: Zone foliée 40° a/c, biotitisée, siliceuse avec 5 % po, 1 % asp, trace cp sur 50 cm. 31.4: Zone cisailée 40° a/c, modérément quartzeuze avec amphiboles grossiers 1 % po, tr asp sur 1.4 mètre. 36.2: Zone cisailée 40° a/c, plissée, biotitisée avec 2-3 % po, 1 % py, tr asp	49253	25.8-26.7	0.9	13	0.4	91	49	24
			49254	30.35-30.85	0.5	116	6.6	774	829	1200
			49255	31.4-32.8	1.4	20	0.5	104	30	64
			49256	36.2-36.85	0.65	997	2.3	269	110	1800

Par: Bernard Borduas, Géologue.

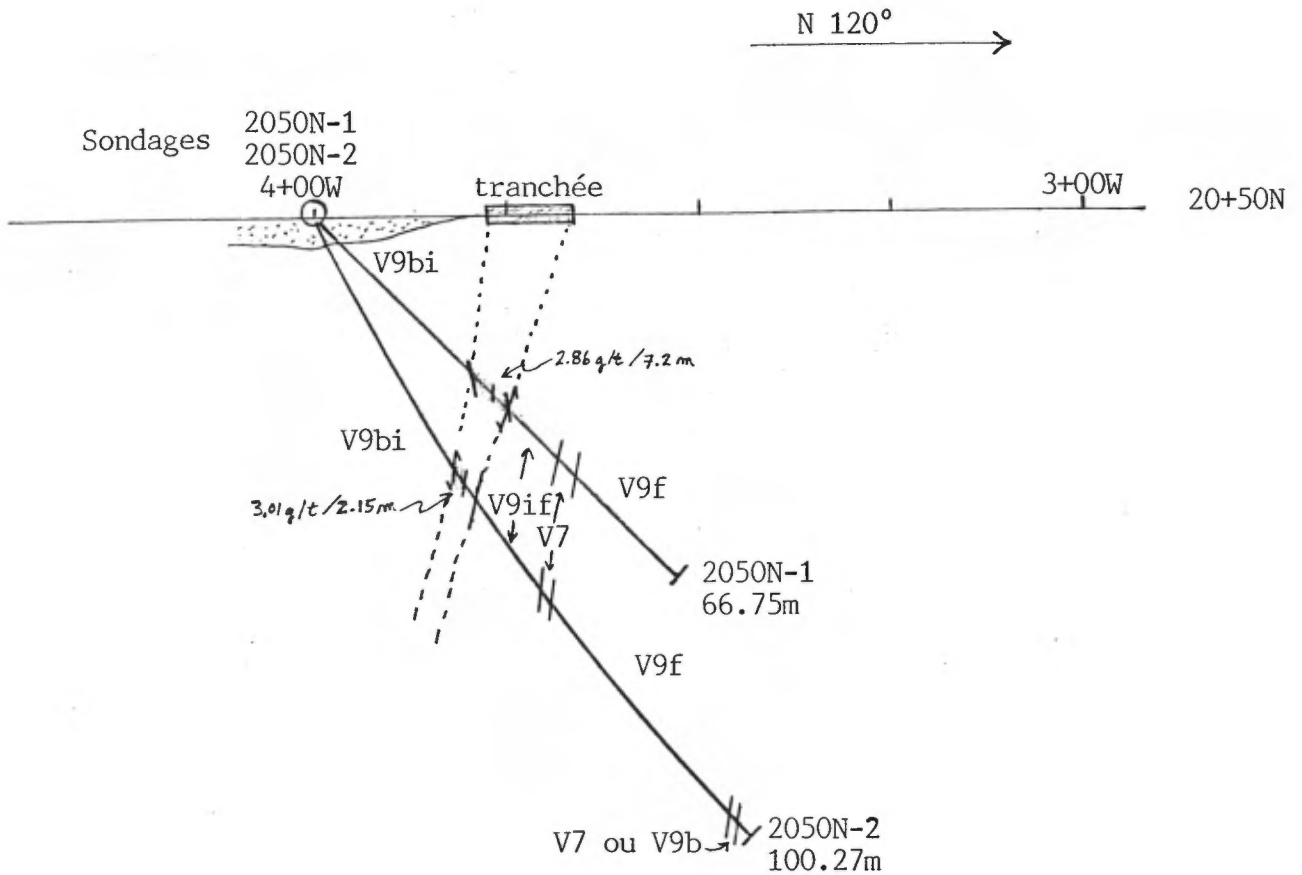
Profondeur		Description	Echant. N°	Intersection		Analyses				
De	à			De - à	Largeur (m)	AU ppb	AG ppm	CU ppm	ZN ppm	AS ppm
		sur 65 cm.								
		36.85:Zone cisailée avec amphiboles grossiers et 1 % po,asp sur 90 cm.	49257	36.85-37.75	0.9	124	0.9	191	34	1050
		37.75:Zone cisailée 40° a/c,biotitisée et chloritisée avec 5 % asp, 2% po sur 60 cm.	49258	37.75-38.35	0.6	10000	2.3	300	77	11000
		38.35:Zone idem à 49257,chloritisée avec 1 % po,py trace asp sur 95 cm.	49259	38.35-39.3	0.95	118	1.0	96	69	575
		39.3:Zone idem à 49259,légèrement biotitisée avec 2 % po,tr asp sur 85 cm.	49260	39.3-40.15	0.85	399	1.5	295	79	150
		40.85:Zone à amphiboles grossiers,légèrement cisailée avec 1 % po,asp sur 1.15 mètre.	49261	40.85-42.0	1.15	1415	1.0	208	68	398
44.3	57.0	TUF INTERMEDIAIRE à FELSIQUE Vert foncé à gris moyen,grain fin à grossier. Modérément amphibolitisé et chloritisé. Légèrement siliceux et séricitisé.								
		44.3:Zone foliée 35-40° a/c,modérément biotitisé et chloritisé avec un peu d'amphiboles grossiers avec 1-2 % py, < 1 % asp et < 1 % po sur 1.3 mètre.	49262	44.3-45.6	1.3	116	2.3	359	96	43
		45.6:Zone idem à 49262 avec 5-7 % py et trace asp sur 1.2 mètres.	49263	45.6-46.8	1.2	110	2.0	219	79	243
		46.8:Zone modérément cisailée 35° a/c avec un peu de veinage de qtz et 1-2% py,po sur 70 cm.	49264	46.8-47.5	0.7	75	0.5	98	32	99
		47.5:Zone idem à 49264 avec altération fuchsitique sur 80 cm.	49265	47.5-48.7	0.8	47	0.6	139	20	190
		48.7:Veine de qtz-carb(Ca,Fe,Mg) avec chlorite et 1 % py,po sur 1 mètre.	49266	48.7-49.7	1.0	11	1.4	29	27	13.0
		49.7:Zone cisailée et modérément biotitisée avec 10 % py sur 1.75 mètres.	49267	49.7-51.45	1.75	55	1.4	87	39	66
		51.45:Veine de qtz-carb(Ca,Fe,Mg) avec chlorite,cisailée 45-50 a/c sur 4 m. 1 % py	49268	51.45-52.6	1.15	20	2.6	36	170	19.0
57.0	58.2	METABASALTE Vert foncé,grain fin à moyen,amphibolitisé.								

Profondeur		Description	Echant. N°	Intersection		Analyses				
De	à			De - à	Largeur (m)	AU ppb	AG ppm	CU ppm	ZN ppm	AS ppm
58.2	97.2	TUF FELSIQUE Gris foncé à clair, grain fin à moyen, folié et cisailé 40° a/c. Plissé et localement très pyritisé.								
		60.35: Veine de qtz-carb(Ca, Fe, Mg) avec chlorite, cisailé 45-55° a/c sur 4.9 mètres. 1 % po, py	49269	60.35-61.1	0.75	24	1.7	70	27	17.0
		65.25: Veinage de qtz avec 2-3 % de tourmaline noire, 1 % de calcite et 1 % py, po sur 80 cm.	49270	65.25-66.05	0.8	40	1.2	158	97	17.0
		66.05: Veine de qtz idem à 49269 sur 75cm.								
		67.2: Zone de tuf felsique foliée 40° a/c avec légère altération fuchsitique et 20 % py sur 1.2 mètre.	49271	67.2-68.4	1.2	43	0.8	130	22	78
		78.6: Veine de qtz avec 10 % de tourmaline stérile recoupant du tuf felsique avec 30 % po et 10 % py sur 35 cm. Altération fuchsitique sur 10 cm.	49272	78.6-78.95	0.35	12	1.0	488	30	7.5
		83.3: Veine de qtz avec 2 % tourmaline stérile sur 1.2 mètre.	49273	83.3-84.5	1.2	5	0.1	29	6	6.0
		88.45: Zone avec veinage de qtz-tourmaline, forte altération fuchsitique et 3 % py sur 35 cm.	49274	88.45-88.8	0.35	39	0.2	68	8	12.5
		89.2: Veine de qtz sur 65 cm avec 10 % de tourmaline et 1 % po dans les épontes.	49275	89.2-89.85	0.65	342	0.2	66	17	3.0
97.2	99.3	METABASALTE ou TUF BASIQUE Vert moyen à foncé, grain fin à moyen, amphibolitisé et chloritisé.								
99.3	100.27	TUF FELSIQUE Idem à 58.2-97.2m.  FIN DU SONDRAGE à 100.27 mètres (329')								

Profondeur		Description	Echant. N°	Intersection		Analyses				
De	à			De - à	Largeur (m)	AU ppb	AU g/tm	AU oz/t		
		Sommaire des analyses d'intérêt.								
		Moyenne pondérée:	49256	36.2-36.85	0.65	997	1.00	0.029		
		3.06 g/t Au sur 2.15m de 36.2m à 38.35m	49257	36.85-37.75	0.9	124				
		ou 0.089 oz/t Au sur 7.05 pieds.	49258	37.75-38.35	0.6	10000	10.0	0.29		
			49259	38.35-39.3	0.95	118				
			49260	39.3-40.15	0.85	399				
			49261	40.85-42.0	1.15	1415	1.4	0.041		

# SECTION GEOLOGIQUE

SONDAGES 2050N-1 & 2050N-2



## LEGENDE

Echelle 1:1,000

- V7 : Métabasalte
- V9 : Tuf
- bi : basique à intermédiaire
- f : felsique
- if : intermédiaire à felsique
- b : basique
- ↔ : foliation
- : contact géologique
- 2.86 g/t / 7.2 m : teneur aurifère en g/tm/longueur en mètres

Sondage N°: 2600N-1Grille de réf.: Grille métriqueCoordonnées: L-26+00N, 3+45WAzimuth: N 120°Plongée: - 45°Longueur totale: 182.57 mètres (599')Proj. horizontale: 140 m.

Proj. verticale: \_\_\_\_\_

Tests d'inclinaison

Prof. Angle

collet - 45°91.13m - 39°182.57m - 35°

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Prospect: YASINSKIProjet N°: \_\_\_\_\_ N.T.S.: 33F/6Localisation: Canton 3114Claim N°: 4604633Diamètre de la carotte: BQContracteur: Forage Globatech Inc.Début du sondage: 16 Novembre 1991Fin du sondage: 18 Novembre 1991

Profondeur		Description	Echant. N°	Intersection			Analyses		
De	à			De - à	Largeur (m)	CU ppm	AS ppm	AU ppb	
0	4.0	Mort-terrain. Tubage laissé dans le trou.							
4.0	12.8	TUF BASIQUE à INTERMEDIAIRE avec un peu de Métabasalte Vert grisâtre moyen à foncé, grain fin à grossier, amphibolitisé, légèrement à modérément biotitisé, carbonatisé, siliceux et cisailé 55-65° a/c par endroits avec un peu d'amphiboles grossiers. Non magnétique.							
		4.2: Zone modérément cisailée, biotitisé et légèrement siliceuse et carbonatisée avec un peu d'amphiboles grossiers et 0.5-1 % po, py, cp, trace asp sur 1.2m.	65108	4.2-5.4	1.2	728	7.5	78	
		5.6: Zone modérément cisailée 55° a/c amphibolitisée avec < 1 % py, cp sur 20 cm.	65109	5.6-5.8	0.2	439	4.0	36	
		6.4: Zone cisailée 45° a/c, légèrement carbonatisée avec amphiboles grossiers et < 1 % py sur 30 cm.	65110	6.4-6.7	0.3	1180	2.0	63	

Par: Bernard Borduas, Géologue.

Profondeur		Description	Echant. N°	Intersection		Analyses			
De	à			De - à	Largeur (m)	CU ppm	AS ppm	AU ppb	
		9.85: Zone cisailée 60° a/c avec 0.5 % cp,py sur 15 cm.	65111	9.85-10.0	0.15	780		2.5	28
		10.4: Veine de qtz-carb-amph cisailée 50° a/c avec chlorite et 0.5-1 % po, cp sur 40 cm.	65112	10.4-10.8	0.4	381		3.0	33
		11.5: Zone cisailée 50-60° a/c avec veine de qtz-carb et 0.5 % po,cp sur 40 cm.	65113	11.5-11.9	0.4	291		1.0	42
12.8	15.7	METABASALTE Vert grisâtre, grain moyen à fin, amphibolitisé, plutôt massif, très légèrement cisailé.							
15.7	25.0	TUF BASIQUE à INTERMEDIAIRE Idem à 4.0m à 12.8m . mais un peu moins cisailé de 20.3m à 25.0m.							
25.0	56.2	GABBRO Vert grisâtre, grain moyen à grossier, modérément amphibolitisé et chloritisé, peu cisailé, non magnétique. Contact supérieur cisailé 45° a/c.							
		31.5: Zone dans le gabbro massif avec 0.5 % asp sur 30 cm.	65114	31.5-31.8	0.3	71		3.0	7
		33.7: Métabasalte à grain fin amphibolitisé sur 70 cm.							
		35.4: Métabasalte sur 1.25 mètre.							
		37.2: Cisaillement carbonaté et chloritisé 45-60° a/c sur 30 cm.							
		De 37.95 à 39.65m le gabbro est cisailé 45-60° a/c, modérément carbonaté et localement minéralisé.							
		38.6: Zone avec 1 % po sur 30 cm.	65115	38.6-38.75	0.15	1088		5.0	66
		tr po	65116	38.75-39.4	0.65	93		1.0	11
		39.4: Zone avec 1 % cp,po, tr asp sur 25cm	65117	39.4-39.65	0.25	5050		2.0	72

Profondeur		Description	Echant. N°	Intersection		Analyses										
De	à			De - à	Largeur (m)	CU ppm	NI ppm	AS ppm	AU ppb							
56.2	60.75	42.3: Veine de qtz-carb-amph stérile sur 25 cm.	65118	45.5-45.65	0.15	1809		9.0	144							
		45.4: Zone siliceuse sur 25 cm.														
		45.5: Zone avec 0.5-1 % cp,asp,po,trace de tourmaline sur 15 cm.														
60.75	104.8	48.1: Zone siliceuse légèrement biotitisée,cisailée 55° a/c,stérile sur 20cm.	65119	56.8-56.9	0.1	12990		9.0	416							
		METABASALTE ou TUF BASIQUE Vert grisâtre à brunâtre,grain fin à moyen,cisailé 55-70° a/c,amphibolitisé,biotitisé,chloritisé et modérément carbonatisé par endroits;non magnétique.														
		56.8: Zone cisailée 75-80° a/c,carbonatisée,chloritisé avec 5-10 % cp,tr asp sur 10 cm.														
		Zone de contact inférieur cisailée 65° et fortement biotitisée sur 1.7 mètres.														
		PERIDOTITE Gris clair à moyen et foncé,cisailé 60-65° a/c,grain fin à moyen,fortement talcifié et carbonatisé.														
		60.75: Zone cisailée 60° a/c,carbonatisée et talcifiée avec 1 % po sur 15cm.								65120	60.75-60.9	0.15	3044	1189	1350	89
		61.05: Métabasalte cisailé sur 10 cm.														
		62.1: Métabasalte cisailé 60-65° a/c,amphibolitisé,biotitisé et chloritisé avec 0.5-1 % po,asp sur 65 cm.								65121	62.1-62.75	0.65	266	441	3400	716
		65.9: Métabasalte idem à 65121 sur 85 cm.								65122	65.9-66.75	0.85	100	326	404	227
		67.75: Zone cisailé 60° a/c avec 1 % po sur 15 cm								65123	67.75-67.9	0.15	50	765	1500	237
69.2: Zone cisailée 60° a/c,fortement carbonatisée et talcifiée avec 3-4 % po,asp sur 15 cm.	65124	69.2-69.35	0.15	621	1538	2300	69									

Profondeur		Description	Echant. N°	Intersection		Analyses				
De	à			De - à	Largeur (m)	CU ppm	NI ppm	AS ppm	AU ppb	CR <sub>2</sub> O <sub>3</sub> %
		69.35: Zone cisailée 60° a/c avec 3-5 % chromite, 1 % po, tr cp, asp sur 2.4m.	65125	69.35-71.75	2.4	690	861	329	69	1.11
		71.75: Zone idem à 65124 sur 25 cm.	65126	71.75-72.0	0.25	1203	1690	396	222	0.45
		72.0: Zone idem à 65125 sur 1.05 mètres	65127	72.0-73.05	1.05	616	1128	52	92	0.52
		73.05: Zone cisailée 55-65° a/c avec 1-2 % po, asp, trace cp sur 95 cm.	65128	73.05-74.0	0.95	961	1373	22	64	0.56
		74.0: Zone idem à 65128 avec 2 % po, asp trace cp sur 1.45 mètres.	65129	74.0-75.45	1.45	1397	1297	140	817	0.42
		75.45: Zone avec 1 % po, asp, trace cp sur 1.25 mètre.	65130	75.45-76.7	1.25	979	1530	381	1305	0.47
		76.7: Zone avec 1-2 % po, asp, cp sur 1.25m	65131	76.7-77.95	1.25	2867	3500	3250	1288	0.54
		77.95: Métabasalte cisailé 65° a/c, for- tement biotitisé avec tr po, asp sur 40 cm.	65132	77.95-78.35	0.4	253	228	217	886	0.14
		78.35: Zone avec 1 % po, asp sur 50 cm.	65133	78.35-78.85	0.5	1307	1780	1750	1463	0.47
		78.85: Zone avec métabasalte cisailé, am- phibolitisé et chloritisé avec 5-7 % po, asp, cp sur 1.75 mètres.	65134	78.85-80.6	1.75	3559	12360	10000	682	0.34
		80.6: Zone modérément chloritisé avec 1 % po, asp sur 45 cm.	65135	80.6-81.05	0.45	569	1092	1150	59	0.34
		81.05: Zone cisailée 70° a/c avec 5-7 % po, asp, cp sur 20 cm.	65136	81.05-81.25	0.2	13200	12850	19000	592	0.33
		81.25: Zone avec 0.5 % po, asp sur 85 cm.	65137	81.25-82.1	0.85	486	822	1100	25	0.74
		82.1: Zone foliée 60-65° a/c avec 10 % chromite et trace asp, po sur 1.7 m.	65138	82.1-83.8	1.7	203	1097	43	13	1.60
		83.8: Zone cisailée 60-65° a/c avec 1 % asp, po diss et un peu d'amphiboles grossiers sur 1.7 mètres.	65139	83.8-84.85	1.05	134	1375	12	5	0.70
		84.85: Métabasalte cisailé 60° a/c, bio- titisé et chloritisé sur 30 cm.								
		85.15: Zone cisailée 60-65° a/c avec 1- 1.5 % asp, po diss sur 85 cm.	65140	85.15-86.0	0.85	212	1891	4.5	4	0.43
		0.5 % po, asp	65141	86.0-86.55	0.55	395	2460	9.5	7	0.20
		0.5-1 % po, asp	65142	86.55-87.75	1.2	500	1847	7.0	18	0.52
		88.2: Métabasalte cisailé et chloritisé sur 25 cm.								
		88.45: Zone avec 0.5-1 % py, po et 3-5 % d'oxydes sur 1.65 mètres.	65143	88.45-90.1	1.65	494	1648	8.5	33	0.51
		91.0: Zone avec 0.5-1 % po, py, tr asp et	65144	91.0-93.1	2.1	338	1745	6.5	4	0.57

Profondeur		Description	Echant. N°	Intersection		Analyses			
De	à			De - à	Largeur (m)	CU ppm	AS ppm	AU ppb	
104.8	128.9	<p>3-5 % d'oxydes sur 2.1 mètres. 95.0: Métabasalte biotitisé sur 30 cm.</p> <p>METABASALTE ou GABBRO Vert gris moyen à foncé, grain fin à moyen, amphibolitisé, modérément chloritisé, localement cisailé 60° a/c et modérément biotitisé mais généralement homogène et non magnétique. Contact supérieur cisailé 60-65° a/c.</p> <p>109.0: Cisaillement centimétrique à 60° a/c avec 20 % py, 3 % po sur 10 cm.</p> <p>115.3: Matériel quartzofeldspathique dans la roche sur 60 cm.</p>	65145	109.0-109.1	0.1	6690	22	410	
128.9	132.6	<p>TUF BASIQUE Vert moyen à foncé, grain plutôt fin, amphibolitisé, légèrement cisailé 55-60° a/c par endroits et biotitisé.</p>							
132.6	143.0	<p>METABASALTE ou GABBRO Idem à 104.8m à 128.9m; plutôt homogène et légèrement cisailé et folié.</p>							
143.0	158.3	<p>TUF BASIQUE Vert grisâtre pale à foncé, brunâtre et noirâtre, amphibolitisé et chloritisé, grain fin à grossier, cisailé 60-70° a/c modérément carbonatisé, talcifié et biotitisé.</p> <p>150.6: Zone foliée et cisailée 70° a/c modérément carbonatisée, biotitisée et chloritisée avec un peu d'amphiboles grossiers et 0.5 % asp, po diss sur 70 cm.</p>	65146	150.6-151.3	0.7	140	8.0	20	
158.3	163.6	<p>PERIDOTITE Gris clair moyen, grain fin à moyen, fortement cisailé 65-70° a/c, talcifiée et lé-</p>							

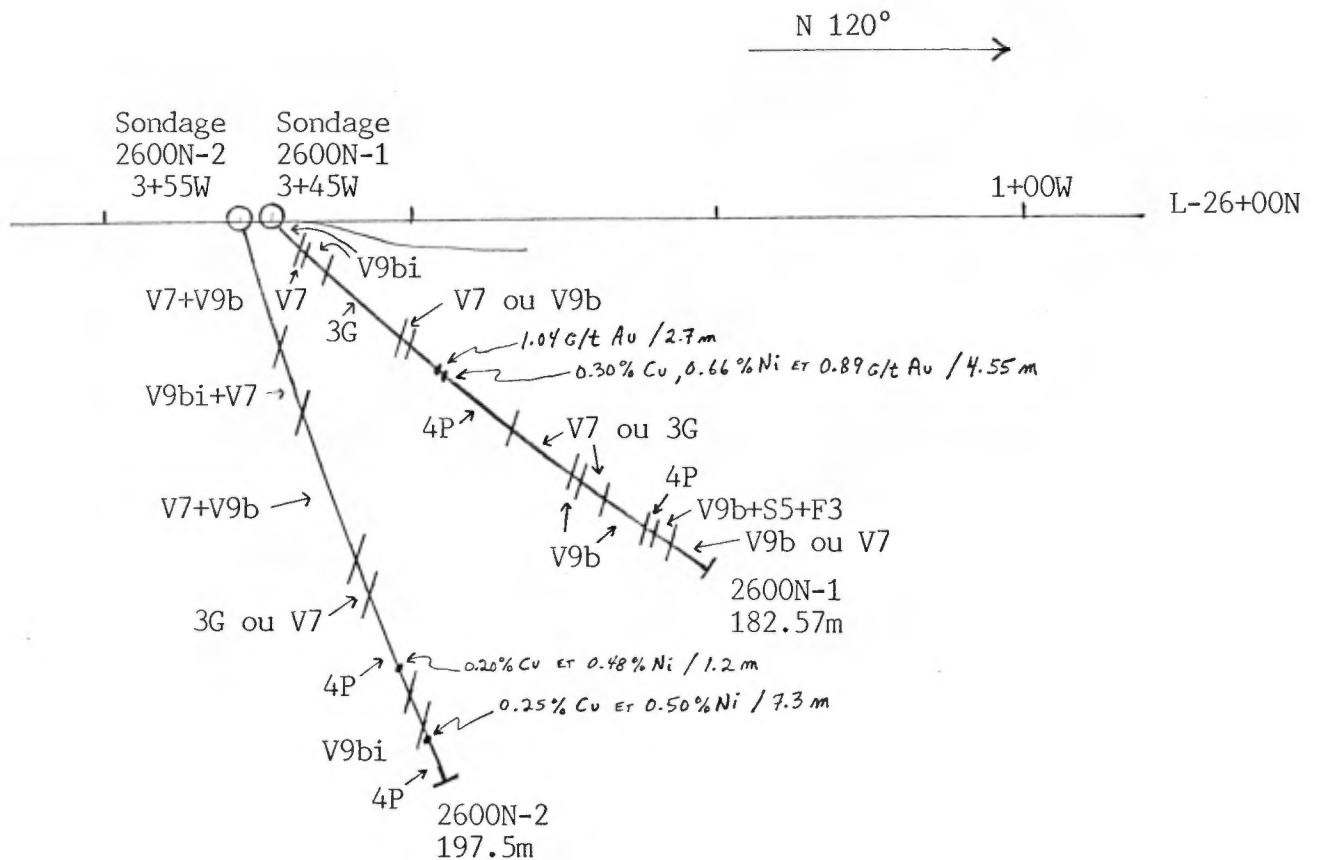
Profondeur		Description	Echant. N°	Intersection		Analyses			
De	à			De - à	Largeur (m)	CU ppm	AS ppm	AU ppb	
163.6	167.8	gèrement magnétique. TUF BASIQUE, QUARTZITE IMPURE et FORMATION DE FER à Magnétite. Vert foncé à noir et blanc, grain fin à moyen, folié 70° a/c, amphibolitisé, biotitité avec présence locale de grenat et de magnétite sédimentaire.							
		163.7: Cisaillement siliceux 65-70° a/c de 2 cm d'épaisseur avec 2 % cp sur 10 cm.	65147	163.7-163.8	0.1	11600	4.0	198	
		164.1; Zone amphibolitisée, chloritisée légèrement grenatifère avec de la quartzite impure et 0.5-1 % cp, po, asp sur 60 cm.	65148	164.1-164.7	0.6	3097	7.5	9	
		166.7: Veine de qtz-carb avec formation de fer à magnétite et grenat et 1 % po sur 30 cm.	65149	166.7-167.0	0.3	352	15.5	7	
167.8	182.57	TUF BASIQUE ou METABASALTE Gris-vert moyen, grain fin à moyen, amphibolitisé, chloritisé, légèrement cisailé, folié 70° a/c et biotitité par endroits; non magnétique.  FIN DU SONDAGE à 182.57 mètres (599')							

Profondeur		Description	Echant. N°	Intersection		Analyses			
De	à			De - à	Largeur (m)				
		Sommaire des analyses d'intérêt.							(Chemex) AU g/t
			65121	62.1-62.75	0.65			0.72	0.70
		Moyennes pondérées de:	65129	74.0-75.45	1.45			0.82	0.42
		0.95 g/t Au (0.027 oz/t) sur 7.25 mètres	65130	75.45-76.7	1.25			1.3	3.20
		de 74.0m à 81.25m.	65131	76.7-77.95	1.25	0.29	0.35	1.3	1.40
		0.30 % CU , 0.66 % NI & 0.89 g/t AU sur	65132	77.95-78.35	0.4	0.03	0.02	0.89	1.00
		4.55 mètres de 76.7m à 81.25m.	65133	78.35-78.85	0.5	0.13	0.18	1.5	0.62
		incluant une zone plus riche à:	65134	78.85-80.6	1.75	0.36	1.24	0.68	0.81
		0.38 % CU , 1.03 % NI et 0.56 g/t AU sur	65135	80.6-81.05	0.45	0.06	0.11	0.06	0.05
		2.4 mètres de 78.85m à 81.25m.	65136	81.05-81.25	0.2	1.32	1.29	0.59	0.80
		Analyses par le laboratoire Chemex:							
		1.20 g/t Au (0.035 oz/t) sur 7.25 mètres							
		de 74.0m à 81.25m.							
		Analyses pour autres éléments à la page suivante.							

Profondeur		Description	Echant. N°	Intersection		Analyses		
De	à			De - à	Largeur	AU ppb	PD ppb	PT ppb
		Analyses pour autres éléments.	65120			68	24	< 5
			65121			700	10	5
			65122			20	4	< 5
			65123			130	12	< 5
			65124			60	60	10
			65125			46	62	15
			65126			190	74	10
			65127			110	60	10
			65128			100	42	10
			65129			420	140	25
			65130			3200	100	15
			65131			1400	230	30
			65132			1000	10	< 5
			65133			620	140	35
			65134			810	430	30
			65135			50	42	5
			65136			800	3100	180
			65137			40	160	55
			65138			6	140	45
			65139			< 2	110	25
			65140			2	230	45
		65141			< 2	270	45	
		65142			6	120	25	
		65143			16	180	35	
		65144			< 2	110	25	

# SECTION GEOLOGIQUE

SONDAGE 2600N-1  
&  
SONDAGE 2600N-2



Echelle 1:2,500

## LEGENDE

- V7 : Métabasalte
- V9 : Tuf
- 3G : Gabbro
- 4P : Péridotite
- S5 : Quartzite
- F3 : Formation de Fer (à Magnétite)
- b : basique
- i : intermédiaire
- : contact géologique

## **APPENDIX 9**

LEGEND FOR THE GEOLOGICAL MAP AND FOR THE SYMBOLS  
USED IN THE TEXT  
AND ON THE MAPS (FROM MRNQ MB 96-26)

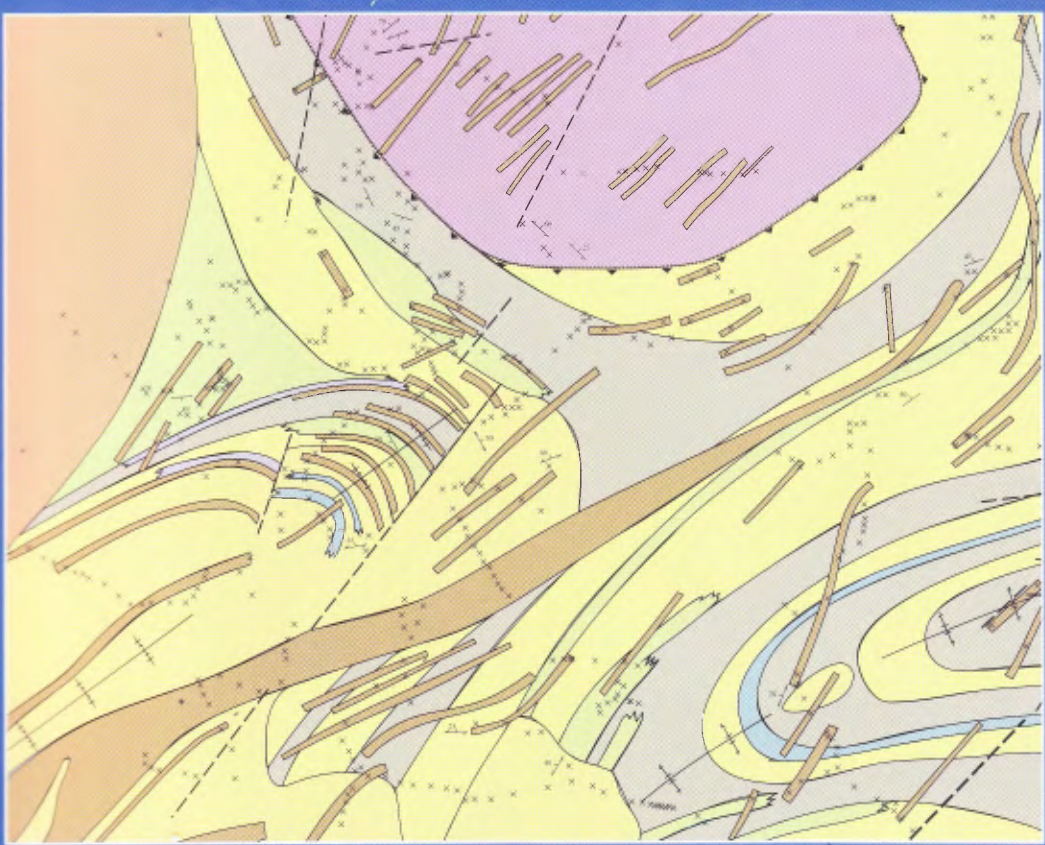
# GÉOFICHE

NOM DU PROJET

No PROJET

GÉOLOGUE

ANNÉE



- 1
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CODES MNÉMONIQUES DES MINÉRAUX ET DES FOSSILES										GRANULOMÉTRIE ET A : PLUS			
Acanthite	AV	Chondrodite	HR	Greenockite	GK	Minéraux radioactifs	MR	Serpentine	ST	FOSSILES	YY	< 0.001 mm	1
Actinote	AC	Chromite	CM	Grenat	GR	Molybdénite	MO	Sidérite(sidérose)	SD	Brachiopodes	YB	0.001-0.01 mm	2
Aeschynite (Y)	EC	Chrysocolle	CY	Grenat-almandin	GA	Molybdène	MB	Sidérite	SI	Byzoceres	YZ	< 0.01 mm	2
Agate	AG	Cleavelandite	CL	Grenat-andradite	GD	Morazite	MZ	Sillimanite	SM	Céphalopodes	YC	0.01-0.05 mm	3
Aikinite	AI	Cleavelandite	CL	Grenat-grossulaire	GG	Muscovite	MV	Smaltite/Smaltine	SW	Conulaires	YA	0.05-0.1 mm	3
Albite	AB	Clinopyroxène	CX	Grenat-pyrope	GY	Néphéline	NP	Samarskite	SK	Coraux	YX	0.1-0.2 mm	3
Alkane	AL	Clinzoisite	CZ	Grenat-spessartine	GS	Olivine	OL	Sodalite	SO	Crinoïdes	YR	< 0.2 mm	4
Altaite	AT	Cobaltite	CE	Grenat-xaravite	GX	Olivine	OL	Sodalite	SO	Echinodermes	YD	0.2-0.5 mm	5
Amazonite	AI	Columbite/Niobite	NB	Grunerite	GN	Or natif (visible)	Au	Spéculaireite	HS	Eponges	YE	0.5-1.0 mm	5
Améthyste	AM	Columbo-tantalite	TO	Gummite	GB	Orthoclase (orthose)	OR	Sphalérite	SP	Gastéropodes	YT	1-2 mm	6
Amiante (Asbestos)	AO	Cordiérite	CD	Gunnite	GU	Orthopyroxène	OP	Tetrahédrite	TH	Graptolites	YG	2-5 mm	6
Amibole	AM	Covellite	CO	Hauterite	HA	Ottrelite	OT	Spinelle	SL	Ostracodes	YO	0.5-1 cm	6
Andalousite	AD	Cosalite	PI	Häutite	HT	Oxyde de fer	OF	Spodumène	SO	Péléciopodes	YP	1-3 cm	7
Andésine	AA	Covellite	CO	Heazlewoodite	HZ	Oxythionde	OH	Stauradite	SU	Plumes	YN	> 3 cm	8
Anhydrite	AY	Cubanite	CU	Hédenbergite	HE	(horionde brune)	OH	Stéatite	ST	Saisons	YS	3-10 cm	8
Anwite	AK	Chiolite (visible)	CH	Hemattite	HM	Paragonite	PA	Stibine/Stibnite	SB	Stromatolites	YS	10-30 cm	8
Annabergite	NG	Cummingtonite	CG	Hercynite	HC	Pechblende	PB	Stibite(Heulandite)	HD	Stromatoporoïdes	YI	30-100 cm	8
Annorthite	AN	Curprite	CU	Holmquistite	HO	Penninite/Pennine	PT	Stibonmelane	SE	Traces fossiles	YF	1 m	8
Anthophyllite	AT	Digenite	DI	Hornblende	HB	Perthite	PR	Sulfures	SU	Trilobites	YL	100 m	8
Anthropite	AN	Dyscrasite	DS	Hypersphène	HP	Perthite	PR	Sylvanite	SV				
Argent natif (visible)	Ag	Dolomite	DM	Ilménite	IM	Petzite	PZ	Szomolnokite	SZ	DIVERS			
Arsénoopyrite	AS	Dravite	DR	Jade	JA	Phénacite/Phénakite	PZ	Talc	TC	Bioclastes	XB	6-10 m	
Auriferite	AF	Dravite-Schorlite	DS	Jaspe	JP	Phlogopite	PH	Tellurobismuthite	TB	Hydrocarbures	XH	10-20 m	
Auriferite	AF	Electrum	EM	Kaolinite	KL	Pistachite	PC	Tennantite	TT	Liant	XL	20-50 m	
Auriferite	AF	Enargite	EN	Klokmannite	KK	Plagioclase	PG	Tétrahydrate	TH	Lithoclastes	XR	50-100 m	
Azurite	AZ	Enstatite	ES	Kornupfingite	KP	Pollucite	PO	Tillite	TI	Tétrahydrate organique	XG	100 m	
Barytine	BR	Eudialyte	EU	Labradorite	LB	Prénite	PN	Thorianite	TR	Matrice	XM	Autres	
Bastnaesite	BA	Euxérite (Y)	EX	Lawsonite	LS	Pyrite	PY	Thortite	TH	Oncolites	XT		
Béryll	BL	Fayalite	FA	Lépidolite	LP	Pyrochlore	PC	Topaze	TO	Coïlites	XO		
Biotite	BI	Feldspath vert/brun	FB	Lépidolite	LP	Pyrochlore	PC	Topaze	TO	Pellets	XP		
Bismuthinite	BM	Feldspath	FP	Leucosène	LX	Pyrophyllite	PL	Tourmaline	TL	Péloïdes	XD		
Bismuthite	BS	Feldspath noir	FN	Limonite	LM	Pyroxène	PX	Tourmaline zincifère	TA	Autres	XX		
Bornite	BN	Feldspath potassique	FK	Magnésite	MG	Pyrrhotite(Pyrrhotine)	PO	Trémolite	TM				
Brochantite	BH	Fergusonite	FS	Malachite	MC	Quartz bleu	QB	Uranophane	UP				
Brucite	BT	Fibrolite	FB	Marcasite	MS	Riebeckite	RB	Valentite	VA				
Bytownite	BY	Fluorite (fluorine)	FL	Manposite	MP	Rozénite	RZ	Vésuvianite	VV				
Calaverite	CA	Franklinite	FR	Mésopertite	MP	Samarasite-(Y)	SA	Willemite	WM				
Carbonate	CB	Freibergite	FG	Mica	MI	Sandinite	SA	Willemite	WM				
Chabazite (Chabasite)	ZB	Fuchsite	FC	Microcline	MC	Sapphirine	SP	Willemite	WM				
Chalcocite	CC	Gahnite	GA	Militérite	MS	Sapphirine	SP	Willemite	WM				
Chalcophyrite	CP	Galène	GL	Minéraux argileux	MA	Scheelite	SW	Wollastonite	WL				
Chert	CH	Gédrite	GD	Minéraux décoratifs	MD	Schorfite(Schorf)	ST	Wulfenite	WN				
Chloanthite	CO	Glaucophane	GC	Minéraux lourds	MX	Séinité	SE	Zéolite	ZL				
Chlorite	CL	Graphite	GP	Minéraux opaques	OP	Séinité	SE	Zircon	ZC				
Chloroïde	CR					Séinité	SE	Zoisite	ZS				

STRUCTURES, TEXTURES ET AUTRES													
Aciculaire	AC	Coulée	CL	Fentes de densification	FD	Granoclassement inverse	GI	Lits épais (>25 cm)	LG	«Fill mark(s)»	RM	Tuf à cendre	TD
Accumulé	AD	Coulée coussinée à noyaux saussurites	NC	Fente de refroidissement	FM	Granoclassement normal	GN	Lits lenticulaires	LD	«Rip-up clast(s)»	RI	Tuf à cristaux	TX
Affleurement caractérisé par le plissement	AA	Coulée fragmentée	FZ	Fibreuse (se)	FB	Granoclassement normal	GN	Lits minces (1-10 cm)	LM	Ruban de quartz	RQ	Tuf à lapilli et à blocs	TL
Agmatitique	AT	Coulée massive à noyaux saussurites	NM	Flonien	FN	Granoclastique	GO	Lobe	LB	Ruban(e)	RU	Tuf à lapilli et à blocs	TL
Alaskitique	AL	Coulée massive à noyaux saussurites	NM	Filons-couches	FC	Granophyrique	GY	Méastif(ve)	MA	Méagocoussin (à)	MC	Tuf chertueux	TC
Altéré	AE	Coulée massive à surface coussinée	CS	Flammes	FE	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Amas arrondis (globulaires)	AO	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Amas irréguliers	AI	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Ambroïde(e)	AM	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Amygdales	AM	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Anastomose	AN	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Antirapakivi	AP	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Aphorbescent	AS	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Autoclastique	AU	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Bancs (en)	BA	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Bandes de cimentation	BM	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Basale(e)	BS	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Birds eyes	BI	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Biseau	BI	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Blocs (à)	BL	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Bordure/limite de coulée	BU	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Bothyoidal	BO	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Boudinage	BO	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Brèche à coussins ordinaires isolés	BC	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Brèche à coussins serrés	BG	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Brèche à méga-coussins isolés	BF	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Brèche à mini-coussins isolés	BB	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Brèche de coulée/brèche de lave	BQ	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Brèche de coussins désagrégés/brisés	BH	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Brèche de coussins fragmentés	BK	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Brèche d'intrusion	BN	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
pyroclastique	BP	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Brèche/brèche	BR	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Brèche tectonique	BT	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Broyage	BY	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Cailloux alignés «pebble stringers»	PK	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Cailloux 4-64mm	CA	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Cannelure	CN	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Cataclastique	CQ	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Cendres (à)	CE	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Centre volcanique/faciès proximal	VP	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Cheminée d'alimentation (ouye nourricier)	DN	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Chemées volcanique	CV	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Chenal	CH	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Chenal	CG	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
d'érosion (à)	CD	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Cisaillée(e)	CS	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
coliforme	OL	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Columnaire/joints en colonnes	JC	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Concrétion(s)	CC	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Convolutions (à)	CB	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC
Coronitique	KO	Coulée massive à surface coussinée	CS	«Flaser»	FS	Granulite (à)	GU	Méagocoussin (à)	MC	Méagocoussin (à)	MC	Tuf chertueux	TC

See PRO 2000-08 for SIGEOM Symbols used in map and MB 96-28 for more information about geological symbols

ROCHES FELSIQUES 1			ROCHES MAFIQUES 3		
I1	ROCHES INTRUSIVES FELSIQUES	ROCHES VOLCANIQUES FELSIQUES V1	I3	ROCHES INTRUSIVES MAFIQUES	ROCHES VOLCANIQUES MAFIQUES V3
I1A	Granite à feldspath alcalin	Rhyolite à feldspath alcalin V1A	I3A	Gabbro	Basalte andésitique/ V3A
I1B	Granite	Rhyolite V1B	I3B	Diabase	andésite basaltique V3A1
I1C	Granodiorite	Rhyodacite V1C	I3C	Monzogabbro	lcelandite basaltique V3B
I1D	Tonalite	Dacite V1D	I3D	Ferrogabbro	Basalte V3C
I1E	Trondhjemite	Rhyolite comenditique V1BC	I3E	Gabbro à quartz	Basalte à quartz V3D
I1F	Aplite	Rhyolite pantelléritique V1BP	I3F	Diabase à quartz	Trachybasalte V3DH
I1G	Pegmatite (granitique)		I3G	Anorthosite	Hawaïte V3DK
I1H	Granophyre		I3H	Anorthosite gabbroïque	Trachybasalte potassique V3DK
I1I	Granitoïde riche en quartz		I3I	Gabbro anorthositique	Basalte à olivine V3E
I1J	Quartzolite (silexite)		I3J	Norrite	Basalte magnésien (> 9 % MgO) V3F
I1K	Alaskite		I3K	Gabbro à olivine	Trachyandésite basaltique V3G
I1L	Syéno-granite		I3L	Norrite à olivine	Mugéarite V3GM
I1M	Monzo-granite		I3M	Diabase à olivine	Shoshonite V3GS
I1N	Filon / veine de quartz		I3N	Troctolite	Basalte V3H
I1O	Granite à feldspath alcalin avec hypersthène (charnockite à feldspath alcalin)		I3O	Lamprophyre mafique	Téphrite V3I
I1P	Granite à hypersthène (charnockite)		I3OM	Mirrite	Boninite V3J
I1Q	Syéno-granite à hypersthène		I3OK	Kersantite	
I1R	Monzo-granite à hypersthène (farsundite)		I3OV	Vogesite	
I1S	Granodiorite à hypersthène (opdalite ou charno-enderbite)		I3OS	Spessartite	
I1T	Tonalite à hypersthène (enderbite)		I3CR	Monzogabbro foïdifère	
			I3CF	Monzogabbro foïdique	
			I3AR	Gabbro foïdique	
			I3AF	Gabbro foïdique	
			I3GR	Anorthosite foïdifère	
			I3Q	Gabbronorite	
			I3R	Gabbronorite à olivine	
			I3S	Monzonorite	
			I3T	Anorthosite à hypersthène	

ROCHES INTERMÉDIAIRES 2			ROCHES ULTRAMAFIQUES ET ULTRABASIQUES 4		
I2	ROCHES INTRUSIVES INTERMÉDIAIRES	ROCHES VOLCANIQUES INTERMÉDIAIRES V2	I4	ROCHES INTRUSIVES ULTRAMAFIQUES / ULTRABASIQUES	ROCHES VOLCANIQUES ULTRAMAFIQUES / ULTRABASIQUES V4
I2A	Syérite quartzifère à feldspath alcalin	Trachyte quartzifère à feldspath alcalin V2A	I4A	Hornblendite	Komatite (> 18 % MgO) V4A
I2B	Syérite à feldspath alcalin	Trachyte à feldspath alcalin V2B	I4B	Pyroxénite	Komatite pyroxénitique V4B
I2C	Syérite quartzifère	Trachyte quartzifère alcalin V2C	I4C	Clinopyroxénite	Komatite périclétique V4C
I2D	Syérite	Trachyte quartzifère V2D	I4D	Webstérite	Komatite dunitique V4D
I2E	Monzonite quartzifère	Trachyte V2E	I4E	Orthopyroxénite	Meimechite V4E
I2F	Monzonite	Latite quartzifère V2FL	I4F	Clinopyroxénite à olivine	Mellilite V4F
I2G	Monzodiorite quartzifère	Latite V2J	I4G	Webstérite à olivine	Mellilite à olivine V4FO
I2H	Monzodiorite	Andésite V2JI	I4H	Orthopyroxénite à olivine	Roche volcanique ultramafique à mellilite V4M
I2I	Diorite quartzifère	lcelandite V2JL	I4I	Péridotite	Picrobasalte V4G
I2J	Diorite	Trachyte foïdifère à feldspath alcalin V2BR	I4J	Weirite	Picrite V4H
I2K	Monzosyérite	Trachyte foïdifère V2DR	I4K	Herzolite	
I2L	Foidolite	Phonolite V2G	I4L	Harzburgite	
I2BR	Syérite foïdifère à feldspath alcalin	Latite foïdifère V2LR	I4M	Dunite	
I2DR	Syérite foïdifère	Foidite V2H	I4N	Serpentinite	
I2DF	Syérite foïdique	Trachyandesite V2F	I4O	Lamprophyre ultramafique	
I2KF	Monzosyérite foïdique	Benmoreite V2FB	I4OS	Sannaite	
I2FR	Monzonite foïdifère	Benmoreite V2FB	I4OC	Camptonite	
I2HR	Monzodiorite foïdifère	Trachyte comenditique V2DC	I4OM	Monchiquite	
I2HF	Monzodiorite foïdique	Trachyte pantelléritique V2DP	I4OP	Polzenite	
I2JR	Diorite foïdifère		I4OA	Alnoïte	
I2JF	Diorite foïdique		I4P	Kimberlite	
I2M	Syérite à feldspath alcalin avec hypersthène		I4PA	Kimberlite (groupe I)	
I2N	Syérite à hypersthène		I4PB	Kimberlite (groupe II)	
I2O	Monzonite à hypersthène (mangérite)		I4Q	Carbonatite	
I2P	Monzodiorite à hypersthène (otunite)		I4QM	Magnésiocarbonatite	
I2Q	Diorite à hypersthène		I4QC	Calciocarbonatite	
			I4QF	Ferrocobonatite	
			I4QA	Aillikites	
			I4QD	Damtiérites (Damkjemites)	
			I4R	Lamproïte	
			I4T	Mellilite	

ROCHES MÉTAMORPHIQUES ET TECTONIQUES M			TECTONITES T		
M1	Gneiss	M15	Roche métasomatique (incluant skarn ou tåctite)	T1	Cataclasite
M2	Gneiss rubané	M16	Amphibolite	T1A	Brèche de faille
M3	Orthogneiss	M17	Eclogite	T1B	Microbrèche de faille
M4	Paragneiss	M18	Corbièrre	T1C	Gouge de faille
M5	Gneiss quartzofeldspathique	M20	Métatexite	T1D	Pseudotachyélite
M6	Gneiss granitique	M21	Diatexite	T1E	Myololithénite
M7	Granulite (gneiss granulitique)	M21A	Granite d'anatexie	T1F	Brèche d'impact
M8	Schiste	M22	Migmatite	T1G	Impactite
M9	Orthoschiste	M23	Agmatite	T2	Mylonite
M10	Paraschiste	M24	Cataclasite	T2A	Protomylonite
M11	Phyllade	M25	Mylonite	T2B	Orthomylonite
M12	Quartzite	M26	Brèche tectonique	T2C	Ultramylonite
M13	Marbre (calcaire cristallin)			T2D	Phyllonite
M14	Roche calco-silicatée			T2E	Blastomylonite
				T2F	
				T2G	
				T2H	
				T2I	
				T2J	
				T2K	
				T2L	
				T2M	
				T2N	
				T2O	
				T2P	
				T2Q	
				T2R	
				T2S	
				T2T	
				T2U	
				T2V	
				T2W	
				T2X	
				T2Y	
				T2Z	

CODIFICATION LITHOLOGIQUE DES SÉDIMENTS SÉDIMENTS (roches sédimentaires indéterminées) S					
S1	GRÈS (terme général comprenant les arénites et les wackes)	S4	CONGLOMÉRAT	S7	CALCAIRE
S1A	Grès quartzitique	S4A	Conglomérat monogénique	S7A	Calciulite
S1B	Grès feldspathique	S4B	Conglomérat monogénique «clast-supported»	S7B	Calcsilite
S1C	Arkose	S4C	Conglomérat monogénique «matrix-supported»	S7C	Calcarénite
S1D	Grès arkosique	S4D	Conglomérat polygénique	S7D	Calciurite
S1E	Grès lithique	S4E	Conglomérat polygénique «clast-supported»		
S1F	Grès lithique subfeldspathique	S4F	Conglomérat polygénique «matrix-supported»		
		S4G	Conglomérat intrafornationnel	S8	DOLOMIE
		S4H	Conglomérat intrafornationnel «clast-supported»	S8A	Dololite
		S4I	Conglomérat intrafornationnel «matrix-supported»	S8B	Dolosite
		S4J	Tillite	S8C	Dolarénite
S2	ARÉNITE	S5	BRÈCHE	S8D	Dolorudite
S2A	Arénite quartzitique	S5A	Brèche monogénique		
S2B	Subarkose	S5B	Brèche monogénique «clast-supported»	S9	FORMATION DE FER
S2C	Arkose	S5C	Brèche monogénique «matrix-supported»	S9A	Formation de fer indéterminée
S2D	Arénite arkosique	S5D	Brèche polygénique	S9B	Formation de fer oxydée
S2E	Arénite lithique	S5E	Brèche polygénique «clast-supported»	S9C	Formation de fer carbonatée
S2F	Sublitharénite	S5F	Brèche polygénique «matrix-supported»	S9D	Formation de fer silicatée
		S5G	Brèche intrafornationnelle	S9E	Formation de fer sulfurée
S3	WACKE	S5H	Brèche intrafornationnelle «clast-supported»		
S3A	Wacke quartzitique	S5I	Brèche intrafornationnelle «matrix-supported»	S10	CHERT
S3C	Wacke arkosique	S6	MUDROCK	S10A	Chert oxydé
S3D	Wacke feldspathique	S6A	Siltstone	S10B	Chert carbonaté
S3E	Wacke lithique	S6B	Siltshale	S10C	Chert silicaté
		S6C	Siltslate	S10D	Chert sulfuré
				S10E	Chert graphiteux /carboné
				S10F	Chert ferrugineux
				S10J	Jaspe (Jaspilite)
				S11	EXHALITE
				S12	ÉVAPORITE
				S12A	Halite
				S12B	Sylvite
				S12C	Anhydrite
				S12D	Gypse
				S12E	Sulfate
				S13	PHOSPHORITE
				S6D	Mudstone
				S6E	Mudshale
				S6F	Mudslate
				S6G	Claystone
				S6H	Clayshale
				S6I	Clayslate

AFFLEUREMENT			CORPS				COULEUR				ÉPAISSEUR	
MILIEU	DIMENSION	QUALITÉ	GÉOLOGIQUES				COULEUR				ÉPAISSEUR	
Champ	<1m <sup>2</sup>	1	Bloc	Niveau (horizon)	N	Fragment	F	Beige	Très clair	1	Millimètre	L
Bois	1-2m <sup>2</sup>	2	Couverture de mousse	Lithologie	L	Bloc	B	Blanc (hâtre)	Clair	2	Centimètre	C
Route	4-25m <sup>2</sup>	3	Débris	Couche (banc, lit)	C	Matrice	W	Bleuté	Moyen clair	3	Décimètre	D
Ligne	25-100m <sup>2</sup>	4	Éparpillé	Ruban	R	Coussin	Q	Brun(âtre)	Moyen	4	Mètre	M
Cours d'eau	100-500m <sup>2</sup>	5	Douteux	Lamine	L	Filon-couche (sill)	H	Gris(âtre)	Moyen foncé	5	Décamètre	A
Rivage	>500m <sup>2</sup>	6	En relief	Coulée	S	Dyke (filon)	D	Jaune(âtre)	Foncé	6	Hectomètre	H
Escarpement	Continu	7	Fauchage de pente	Enclave	E	Veine	V	Noir(âtre)	Très foncé	7	Kilomètre	K
Excavation	Autre	0	Surface altérée	Amas	A	Veinule	U	Olive	Brillant	8		
Mine			Surface fraîche	Lentille	I	Trainée (streak)	T	Orange(é)	Terre	9		
Carrière			Surface plane	Nodule	J	Crôte	O	Rosé(é)	Autre	0		
Autre			Autre	Concrétion	K	d'altération	Y	Rouge(âtre)				
				Globe (pod)	G	Bloc erratique	2	Rouillée				
				Augen (œil)	O	Diatrème	6	Vert(dâtre)				
				Phéno-cristal	P	Breche d'intrusion	7	Violet(ace)				
				Minéral (cristal)	M	Breche	8	Autre				
						Mobilisat	9					
						Autres	X					

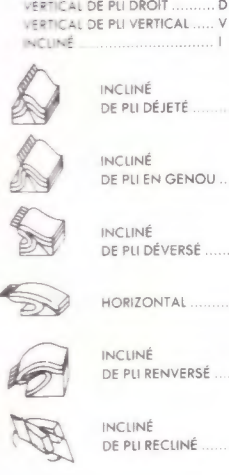
DEGRÉ DE DÉFORMATION		SÉRIES LITHOCHIMIQUES		FACIÉS MÉTAMORPHIQUES					
Non déformé	1	Série tholéitique	T	Eclogite	EG	Amphibolite moyen à supérieur	AMS	Amphibolite inférieur	AI
Faible	2	Série calco-alcaline	M	Granulite	GL	Amphibolite moyen	AM	Amphibolite	AB
Moyen	3	Série alcaline	A	Amphibolite supérieur à granulite	ASG	Amphibolite inférieur à moyen	AIM	Schistes verts	SV
Intense	4	Peralcaline	K	Amphibolite supérieur	AS			Plus faible que schistes verts	FS
		Série komatiitique	K					Préhnite - pumpellyite	PP

STRUCTURES PLANAIRES				STRUCTURES LINÉAIRES ET PLIS			
TYPES	EXPLICATION	QUALIFICATIFS	TYPES	EXPLICATION	STYLE	INTÉRÊTS PARTICULIERS	
Usage stratification	Chronologie	Polarité/Rejet/etc.	Intersection	Mesurée	M	Affleurement à revoir	
Annulation différentielle			Charnière	Calculée	C	Affleurement clé	
Compositional layering	Surfaces S	Normale	Charnière d'anticlinal	Sens dans le plongement	1	Ancien producteur (ancienne expl. min.)	
Clivage	Age relatif des structures planaires autre que les surfaces S	Inverse	Charnière de synforme	plongement	2	Carrière	
Gréssement		Dextre	Charnière d'anticlinal synforme	Minéraux mafiques	I	Croquis	
Rubanelement d'origine inconnue		Senestre	Charnière de synclinal	Quartz	C	Description lithologique	
Rubanelement primaire	Indicateurs cinématiques	Oblique	Charnière de pli conique	Feldspath	F	Description structurale	
Rubanelement factonique	Asymétrie de plis	Dextre-normal	Crénulations	Autres minéraux	X	Fossiles	
Gréssement de gneiss gris	veines	Senestre-normal	Objet déformé allongé	Vertical de pli droit	D	Gisement	
Rubanelement migmatitique	Zones de veines en extension	Senestre-inverse	Linéation minérale primaire (magmatique)	Vertical de pli vertical	V	production (exploitation minière)	
Poléation minérale	Boudins	En extension	Linéation minérale secondaire (tectono-métamorphique)	Incliné	I	Indice	
Poléation primaire	Objets ou plans déplacés par le cisaillement	Crénulation	Linéation d'éirement	Incl. de pli déjeté	J	Minéralisation	
Gréssement de gneiss migmatitique	Objets ou plans déplacés par le cisaillement	Continu	Plisage minéral (=smear)	Incl. de pli en genou	1A	Photos à prendre	
Schistosité	Porphyroclastes du type delta (dans le plan)	Espace	Styloclitique	Incl. de pli déversé	S	Prospect	
Faule	Inclusions alignées dans les porphyroclastes	Anastomosé	Glissement	Incl. de pli renversé	R	Autres	
Faule mineurs	Plan ass	Sens de la synforme		Incl. de pli recliné	L		
Faule majeurs	veins	0-99°					
Cisaillement	Zone de veines en échelon	90-179°					
Kin bands	Mica fish	180-269°					
Plan ass	Ombres de pression autour de cristaux	270-359°					
veins	"Shear bands"	Fréquence :					
Zone de veines en échelon	Faibles de type CS	Nb/3m l direction					
Mica	En étages à livre	1					
Joint, Secasse	Autres (spécifier)	2 à 5					
Dike		6 à 15					
"Shear-bands"		16 à 25					
Autres (spécifier)		26 à 50					
		> 50					
Indicateurs cinématiques							

LONGUEUR D'ONDE (λ)



PLAN AXIAL



STYLE



FORME



ANGLE D'OUVERTURE

