

# GM 60711

## GEOLOGICAL REPORT ON THE DIAMOND EXPLORATION PROPERTIES

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Québec 

**GEOLOGICAL REPORT**  
**ON THE**  
**DIAMOND EXPLORATION PROPERTIES**  
**OF**

**3929311 CANADA INC.**  
**PONTIAC COUNTY**  
**PROVINCE OF QUEBEC**  
**NTS 31K -6,7,10 & 11**  
**46° 27' N / 77° 05' W**

**PREPARED FOR**

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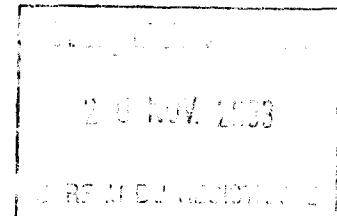
**and**

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## 1.0 SUMMARY

3929311 Canada Inc. holds 254 non-contiguous mineral claims in 14 separate claim groups (the Properties) in the Coulonge River area of Pontiac County, Quebec. These claims have been acquired because, on the basis of evidence collected to date, the area is considered to be prospective for the occurrence of diamond-bearing rocks, probably lamproite, similar to the Argyle Mine in Australia.

This report is based upon a review of the results of exploration programs and government geological and geophysical surveys in the area, as well as an examination of the property area itself.

The Properties are located within NTS areas 31K-6, 7, 10 and 11, and the approximate center of the Properties is 46°27' North Latitude and 77°05' West Longitude. The nearest major communities are Fort Coulonge, Quebec, 75 kilometers to the southeast, and Pembroke, Ontario, 65 kilometers to the southwest.

All except two of the claim groups are accessible by various secondary and logging roads as well as by numerous lakes. The only practical access to two of the claim groups is by float-plane or helicopter. The area is forest-covered and of modest relief.

Other than diamond exploration during the past decade, there has been little mineral exploration in the area. The area first became the focus of diamond exploration in the late 1980s as a result of prospecting efforts of Desmond Burke who subsequently became a principal in Bryson-Burke Resources Ltd., a private company that carried on the initial work of Mr. Burke. Subsequent to the dissolution of Bryson-Burke Resources in 1995, Mr. Burke resumed exploration in the area and in 2001 formed 3929311 Canada Inc. as the corporate entity within which to carry on this work. Several other companies conducted diamond exploration in the area during the early 1990s.

This area is underlain by rocks of the Central Gneiss Belt, a portion of the Grenville Geological Province, that have a probable age of about 1.7 billion years. The Grenville Province evolved as a tectonic mobile belt in which rocks of Proterozoic age were deformed and thrust to the northwest over rocks of Archean age. During the Paleozoic, these rocks were cut by northwest-trending faults of regional extent that resulted in the formation of the Ottawa Graben. The Properties are centered upon the probable northerly boundary of this zone of deep-seated faulting that in this report is informally termed the Murtagh Creek Fault.

A prominent north-trending magnetic high underlies the area of interest and may be indicative of the presence of ultramafic rock. On the basis of the regional magnetic map, this trend appears to coincide with a narrow feature that may be indicative of a fault. The Murtagh Creek Fault, north-trending magnetic anomaly and putative north-trending fault intersect in the central area of the Properties.

The tectonic setting is similar to that which contains the Argyle diamond mine in Australia. The host rock for the Argyle Mine is a lamproite and because of the geological similarities, the Grenville Province is considered a permissive environment within which diamond-bearing lamproites may be found.

Overburden geochemical sampling within the present area of the subject Properties has resulted in the discovery of indicator-minerals, including microdiamond fragments and macrodiamonds. The distribution of the sample sites from which these indicator-minerals were obtained forms several clusters, the two most-prominent of which are situated on the southern edges of Bryson and Lamb Lakes. A third area of possible interest, Gerland Lake, is situated north of Bryson and east of Lamb Lake.

The distribution of non-anomalous sample sites north and east of Bryson Lake suggests a probable source for the indicator-minerals beneath the lake itself. This target area is coincident with a portion of the regional, north-trending zone of high, positive magnetic intensity.

By analogy, the distribution of two other clusters of anomalous sample sites, one southeast of Lamb Lake and the other in the vicinity of Gerland Lake suggest, but in a less-definitive manner, that the sources of those anomalies are located in a nearby, up-ice (north to northeast) direction.

The regional aeromagnetic map shows the presence of a concentric magnetic low in the area of Gerland Lake.

The combination of geological setting, geochemical and geophysical anomalies indicates the reasonable possibility that diamond-bearing lamproites may be found within the claims of 3929311 Canada Inc.

An exploration program designed to better-define the possible location of these source-rocks within the Properties is considered warranted. A proposed Phase 1 program of airborne magnetics followed by ground follow-up magnetic surveys, prospecting and drilling, with an estimated budget of CAN\$201,225 is proposed.

## 2.0 INTRODUCTION and TERMS OF REFERENCE

The writer has been retained by 3929311 Canada Inc., of Ottawa, Ontario, to prepare an independent geological report on its diamond exploration properties (the Properties) that are comprised of 254 non-contiguous mining claims in 14 separate groups, with a total surface area of 15,065.07 hectares. All claims are located in Pontiac County in western Quebec. 3929311 Canada Inc. is in the process of merging with Leitrim Group Inc., and this report will be the qualifying report used by Leitrim Group Inc. as part of its Qualifying Transaction.

This area has historically been the subject of only minor mineral exploration activity and has been essentially ignored during the major diamond exploration campaigns within Canada to date. However, as detailed in this report, there is substantial justification, both conceptual and practical, to support the argument that in-situ diamondiferous rocks may occur within the subject Properties, and that further exploration designed to discover the location of those rocks, is justified.

This report is based upon the following sources of information:

- 1) Geochemical sampling data generated by the following parties: Mr. Desmond Burke, Bryson-Burke Resources Inc., Monopros Ltd., Watts, Griffis, McQuat Ltd., Garde Exploration Inc., Consorminex Inc., Ressources Dianor Inc., and Ecudor Mining Inc.;
- 2) Geological, geophysical, and geomorphological interpretations generated by Dr. Viktor Gouchtchine and Dr. Valerie Ivanikov of the Russian Diamond Institute and the University of St. Petersburg, Russia while under contract to Bryson-Burke Resources Ltd;
- 3) Federal aero-magnetic survey, and property magnetic surveys carried out by Bryson-Burke Resources Inc. and Garde Exploration Inc.
- 4) All past recorded work pertaining to the property area that is documented in the files of the Quebec Ministry of Natural Resources;
- 5) Federal and provincial geological reports and articles pertaining to this area and to this type of geological setting;
- 6) Meetings with Mr. Desmond Burke that included discussions regarding sampling and analytical methodologies and the chronology of previous exploration activities, a review of documents pertaining to previous exploration activities and now in the possession of Mr. Burke, confirmation of the existence of heavy-mineral concentrate samples retained from previous sampling programs in the area of the Properties, and
- 7) A property visit conducted on January 30, 2002, during which, in addition to an examination of access routes, principal anomalous sample sites and previous drillhole locations, the overall relationship between topography, drainage, and heavy-mineral distribution was assessed. A brief examination of a mafic dike outcrop was also carried out, but in general, examination of bedrock was impeded by snow cover.

It should be noted that although the author believes Mr. Burke to be technically competent, in the context of National Instrument 43-101, Mr. Burke does not meet the definition of a "qualified person". The present author can therefore not accept responsibility for the veracity of mineral identifications or geological interpretations made by Mr. Burke. The authors of all other indirect sources of information used in this report are believed to meet the definition of "qualified person".

### 3.0 PROPERTY DESCRIPTION and LOCATION

#### 3.1 Property Description

The Exploration Properties are comprised of 254 claims in 14 separate claim groups, with a total area of 15,065.07 hectares. The claims are owned 100 percent by 3929311 Canada Inc. Description of the claims has been derived from information obtained from the Mineral Title Office of the Quebec Ministry of Energy and Resources, effective February 11, 2002. As the Province of Quebec employs map-staking, claims are valid upon registration by the Mineral Title Office. All claims listed below are in good standing.

| TABLE 1: SUMMARY CLAIM LIST |            |                  |
|-----------------------------|------------|------------------|
| CLAIM GROUP                 | CLAIMS     | AREA (HECTARES)  |
| BRYSON-BRANSSAT             | 148        | 8,782.18         |
| COULONGE EAST               | 4          | 237.22           |
| DEER LAKE                   | 4          | 236.86           |
| LAC ARGENT                  | 10         | 591.49           |
| LAC FORANT                  | 4          | 237.22           |
| LAC RESOLIN                 | 4          | 237.18           |
| LAMB LAKE                   | 44         | 2,608.16         |
| LYNCH LAKE                  | 4          | 237.50           |
| MOORHEAD LAKE               | 12         | 710.59           |
| SKUNK LAKE                  | 6          | 355.45           |
| SWARTZ LAKE                 | 4          | 237.22           |
| UN-NAMED (2 GROUPS)         | 3          | 178.20           |
| WRIGHT LAKE                 | 7          | 415.80           |
| <b>TOTAL</b>                | <b>254</b> | <b>15,065.07</b> |

A full list of claims is given in Appendix 1 and the claim locations are shown in Figures 2 through 5. Claim-block outlines are also shown on all figures except Figure 1. It should be noted that on Figure 15, a single claim is indicated at UTM coordinates 5160000 N / 320000 E. This claim does not exist and its presence on the figure is the result of an editorial oversight.

The claims have not been legally surveyed.

The Properties are subject to no known environmental liabilities.

The only permit required in order that the program of work recommended in this report may be carried out is a Forestry Permit, which may be obtained upon request, that authorizes the removal of trees in order to prepare drill sites and associated access roads.

### 3.2 Property Location and Access

The subject Properties are located in Pontiac County in western Quebec, Canada, approximately 160 kilometers northwest of Ottawa, Ontario (Figure 1). The Properties lie within the Montreal Mining District.

The Properties are located within 1:250,000 scale NTS mapsheet 31 K (Deep River) and, more precisely, within the 1:50,000 scale NTS mapsheets 31 K/06 (Lac St. Patrice), 31 K/07 (Lac Duval), 31 K/10 (Lac Doolittle), and 31 K/11 (Lac Bruce) (Figure 2). The approximate center of the Properties is at 46°27'North Latitude and 77°05'West Longitude, (UTM 5146000m N and 340000m E), about 75 kilometers north-northwest of the town of Fort Coulonge, Quebec, and 65 kilometers north-northeast of the town of Pembroke, Ontario.

The Coulonge River separates the Properties into western and eastern groups. Both groups were previously accessible via the Picanoc Road but recent ice damage to the bridge over the river at a point west of Wright Lake has interrupted access to the eastern Properties via this route.

Road access to the majority of the Properties, those west of the Coulonge River, is provided via the all-weather Jim Lake road that departs from Provincial Highway 148 two kilometers north of Fort Coulonge. Most of the large Bryson-Branssat claim block is accessible via the Bryson Lake Road which branches from the Jim Lake Road at about kilometer 73. From the Bryson Lake Road logging roads and all-terrain vehicle trails give good access to most of this area. (Figure 2)

The large Lamb Lake claim block is accessible via a road leading to the dam at the north end of Bryson Lake and departing east from the Jim Lake Road at kilometer 92. The extensive lake system allows for boat access to the more remote portions of these blocks. The smaller claim blocks (Skunk Lake, Moorhead, Lac Argent, Lac Forant, Lac Resolin, Lynch Lake) are accessible via the logging road network feeding onto the Jim Lake Road. (Figure 2)

East of the Coulonge River, the Wright Lake and Coulonge East claim blocks, and portions of the large Bryson-Branssat block lying east of the Coulonge River are accessible, via smaller logging roads and trails, from the Picanoc Road. The Picanoc Road runs northwest from the village of Otter Lake, situated on provincial secondary Highway 301, which connects with Highway 148 at Campbell's Bay, 10 kilometers to the southwest. (Figure 2)

The small Deer Lake and Swartz Lake claim blocks are accessible only by floatplane. The more remote portions of some of the above claim blocks, particularly the Lac Argent block, may also be most efficiently accessed by floatplane. The nearest floatplane bases are located at Pembroke, Ontario, about 70 kilometers to the south, and at Bluesea Lake, Quebec, about 80 kilometers to the east.

### 3.2 Topography, Climate and Local Resources

The relevant area lying west of the Coulonge River forms a moderately rugged plateau. Katz (1976) offers the following description of this area: " This upland surface could be described as an ice-scoured plain with striated grooved and polished surfaces, rock basins and rounded knobs interspersed with patches of glacial drift. The lithology and structure have controlled the erosion.... These primary rock structures have been disrupted by fault, joint and lineament patterns and the glaciation has preferentially eroded the rocks along these planes of weakness to produce aligned and patterned drainage."

This resultant complex drainage pattern is controlled by faults and joints bounding large unevenly-tilted blocks of gneissic basement. The major hydrographic features are comprised of large lakes (Bryson, Lynch, Forant, Lamb), small lakes, ponds, swamps, and streams ultimately feeding into the Black River to the west or the Coulonge River to the east. Both the Black and the Coulonge Rivers flow southeastward into the Ottawa River. The Coulonge River occupies a steep-sided, straight, narrow valley and includes numerous rapids and small waterfalls. The Black River meanders along a wide sand-plain. Further to the southeast both these rivers plunge over waterfalls up to 40 meters (m) in height.

East of Bryson Lake, the topography and drainage patterns exhibit a marked northwest-southeast fabric, paralleling the Coulonge River. The Wright Lake area is an exception in that the drainage and topography are irregular. The East Coulonge River which forms the eastern extremity of the Property area, is a wide, meandering stream that flows southeastward and occupies a sand plain.

Elevations in the area range from a high of 505m east of the Lac Argent claim block, to lows of 225m on the southern part of the Coulonge River. On the moderately rugged plateau west of the Coulonge, elevations range from 400m near Lamb Lake to lake levels in the range of 285 to 265m. Elevations here average just over 300m. The Lamb Lake and Forant Lake areas feature flat, sand and gravel outwash plains. The area east from the Coulonge River is comprised of a series of southeast- striking ridges alternating with elongate lakes and southeast-flowing streams.

Approximately 30 percent of the surface area of the Properties is covered by lakes. An additional 20 to 30 percent of the surface area is covered by low, sandy outwash plains, alluvium-filled stream valleys, and poorly-drained, swampy areas. The remainder is comprised of low, rounded to steep-sided rocky hills and ridges. The majority of the latter terrain is covered by a thin, irregular patchwork of glacial tills with the consequence that the amount of bedrock exposure varies widely and on average only about seven percent of the total area is outcrop.

The area is covered by a second-growth mixed boreal forest consisting of maple, poplar, birch, yellow birch, tamarack, white and red pine, and white and black spruce. Limited logging operations are currently in progress to the northwest of the area. Locally, there are stands of open deciduous bush, open stands of white and red pine with birch, thick boreal forest, and swampy bogs with alders, labrador tea, dwarf spruce and tamarack.

The climate is humid continental, featuring cold winters and mild, variable summers. Snow accumulation averages two meters. Winter temperatures in the -20° to -30°C range are common. Average summer temperatures range from +10° to +20°C. Cool, rainy days are frequent, but summer temperatures can rise to the +30°C range. The most convenient period for drilling in this area is during the winter months following freeze-up, normally from late January through to the end of March. During this time, frozen drill roads can be easily maintained, drill moves are easier, and less environmental damage is caused.

The Pontiac region of Quebec has a weak economy based upon logging, wood products, agriculture, and dolomite quarrying. Other significant activities include hunting, trapping, and sport fishing. Seasonal unemployment is high. Operations such as road construction and maintenance, and logging may be contracted locally. The local labor pool is insufficient in skills and numbers for a large-scale exploration or mine development program.

The immediate area, including the entirety of the 31 K map sheet, has no mining history other than uranium prospecting during the late 1970s. Farther to the southeast, there is currently a dolomite quarry in operation at Portage du Fort (Mazarin Mining Corp. Inc.), south of Campbell's Bay. The New Calumet Mine, on Grand Calumet Island near Campbell's Bay, produced a zinc-lead-silver concentrate during the 1960s. Several small mica quarries have produced in the past from an area just east of Otter Lake. There are abundant uranium-thorium prospects and showings just northwest of Otter Lake, and just south of Fort Coulonge.

Water is abundant in the area and is adequate for any type of mining or processing operation. The Hydro Quebec power grid is approximately 60km south of the properties. The Ontario Hydro power dam at Rolphton, Ont. is approximately 50km to the southwest of the properties.

## 4.0 PROPERTY HISTORY AND PREVIOUS WORK

### 4.1 Previous Exploration and Geological Mapping Activity

Prior to 1993 there was little documented geological exploration work in the vicinity of the Properties or, indeed, within the entire Central Gneiss Belt. The discovery of occurrences of uranium-thorium associated with pegmatite dykes at several localities well to the south and southeast of the Properties prompted a general reconnaissance prospecting survey during the mid-1970s uranium exploration surge (Charlton, 1993). Nothing worthy of more-detailed exploration was discovered near the Properties.

The Lynch Lake area, in Forant and Rochefort townships, hosts numerous magnetite-rich pegmatites (Katz, 1976). These were prospected and staked in the 1920s. A few showings of galena and of chalcopyrite are known in the metasediments to the southeast in Mansfield Township. (Katz, 1976). Showings of molybdenite are known along John Bull Creek about 20 kilometers southeast of the Properties.

Native gold occurs sporadically within the gneissic rocks in the area of the Properties and can be panned from some of the local streams, in particular, from the Black River (Rivière Noire) (J. D. Charlton, personal communication). However, no gold prospecting activity is recorded in the area.

The region was partially mapped by R. Marleau of the Quebec Department of Mines in 1959 (RP 383 and RP 420). The area from the Ottawa River north to 46°30', and covering the bulk of the Properties, was mapped by M. B. Katz (PR 578, RG 170) in the mid 1960s. This mapping forms the basis for much of the geological description in the present report. A structural interpretation of the region to the east and northeast, including the eastern portion of the Properties and based upon analysis of satellite images, was completed by K. Sharma of the Quebec Ministry of Energy and Resources in 1993 (MB 93-50). The area was covered as part of a regional airborne magnetic survey conducted by the Geological Survey of Canada.

#### 4.2 Previous Diamond Exploration Activity (Burke and Bryson-Burke Resources)

Mr. Desmond Burke of Ottawa, Ontario began prospecting for diamonds, essentially as a hobby, in the St. Lawrence Lowlands during the mid-1980s. These efforts ultimately led to the discovery of G9 pyrope garnets in the lower Coulonge River in 1988. In August, 1992, Mr. Burke discovered microdiamonds in the sediments of the Coulonge River in Anjou Township. On the basis of this discovery, Mr. Burke formed a private corporation, 2891395 Canada Inc., and began staking an extensive area in the Coulonge River - Bryson Lake area. Several blocks of claims were staked to the north of the discovery area as well. In 1993, 2891395 Canada Inc. became Bryson-Burke Resources Inc. and commenced systematic diamond exploration.

The initial identification of both indicator-minerals and microdiamonds was made by several Russian geologists whose expertise Mr. Burke had retained because of his own limited technical knowledge. This team was led by Dr. Viktor S. Gouchtchine of the University of St. Petersburg, a well-published geoscientist who was working on diamond exploration in the Arkangel Region of northern Russia at that time. These geologists provided Bryson-Burke Resources with expertise in sampling techniques in glaciated terrains, diamond indicator-mineral geochemistry and analyses, regional structural interpretation, and Quaternary glaciation and drainage system analysis. It should be noted that at this time Russian expertise in the areas of diamond exploration in glaciated terrains, in indicator-mineral geochemistry, and in research into the formation and preservation of diamonds in kimberlites was more-available and more-advanced than similar expertise within Canada.

Identity of some of the indicator-minerals, including a microdiamond, from early sampling was confirmed by x-ray and microprobe analyses by Dr. Gouchtchine in conjunction with the Department of Earth Sciences at Carleton University. In addition, Consorminex Inc., a Canadian company, collected and confirmed the identity of several pyrope garnets collected from the area southeast of Lamb Lake.

In 1993 Bryson-Burke Resources optioned the 186-claim Gaudreault Creek Property to Garde Exploration Inc. This property was situated 13 kilometers northwest of the present Lac Argent Property. In early 1994, Garde completed a helicopter-borne magnetic survey of the property using 100-meter line spacings on a north-south grid. Subsequently six (6) targets were selected for ground magnetic delineation and drill testing. Drill results were uniformly negative.

Monopros Ltd. examined the Bryson-Burke Properties in the spring of 1993 and made an offer for the properties that was declined by Bryson-Burke Resources. Monopros subsequently collected a combination of 35 till and glacio-fluvial samples. Most of these were in a line from the Branssat-Bryson Lakes area eastward to the East Coulonge River. Small numbers of ilmenites and chrome diopsides were found in nine (9) samples. No microdiamonds were found in these 35 samples nor in two additional bulk (one cubic meter) samples taken near the Picanoc Road bridge over the Coulonge River where Mr. Burke had previously found microdiamonds.

In 1993, Watts, Griffis, McOuat Limited (WGM) was retained by Bryson-Burke Resources to prepare a qualifying report on the Coulonge River area properties, the purpose of which was the substantiation of the 1992 discovery of microdiamonds by Mr. Burke in the Coulonge River southeast of Bryson Lake. This report was completed as requested, but in 1995, WGM withdrew their consent for Bryson-Burke Resources to reference either their name or the report in the prospectus that was being prepared at that time.

WGM has also refused to permit inclusion in this report of the technical findings of their 1993 sampling program and their rationale for the subsequent withdrawal of consent for usage of said report by Bryson-Burke Resources. The WGM report and subsequent, relevant correspondence between WGM and Bryson-Burke Resources et al, have been reviewed by the present author. Within the constraints imposed by the WGM interdiction, it is the opinion of this author that the technical results obtained by WGM were consistent with exploration results obtained elsewhere in the area and with the present author's interpretation of the geological and glacial history of the area.

In 1994, Monopros Limited examined 17 microdiamond fragments that had been recovered from a sample collected at the confluence of the paleodrainage leading southeast from Bryson Lake, and the Coulange River. Their examination led them to conclude that the source was unlikely to be proximal and, on the basis of that conclusion, declined the opportunity to participate in further exploration of the Bryson-Burke properties. This withdrawal of interest followed by approximately one year their initial offer of an option agreement by Bryson-Burke Resources Ltd.

Bryson-Burke Resources Inc. carried out regional "grassroots" exploration during the period June 1, 1994 to December 31, 1995 (GM-55399). This included collection of 248 soil samples and ground magnetometer profile surveys of 53 magnetic targets.

Consulting geologist Mousseau Tremblay aided Bryson-Burke Resources in the design and planning of the sampling program. The intent of this program was to constrain the source of indicator-minerals by circumscribing the core discovery area with sample lines so as to establish the limits of distribution of indicator-minerals and diamonds. This was achieved to the north, east, and southwest of the area of primary interest. Unclosed gaps remain to the west-northwest, west of the Lamb Lake area, and to the east-southeast, across to the Ward Lake area, a line that coincides with the trace of the Murtagh Creek Fault (Section 5.1.6, below). Sampling concentrated on basal tills, which remain only in areas of higher topography, and on fluvio-glacial sediments, which occur in low-lying areas.

Samples averaged 40 kilograms by weight, and were processed at the Bryson-Burke base camp using screens and panning. Good heavy-mineral concentrate samples were obtained from the fluvio-glacial material in this way, but the basal till samples required further jigging, which was done at the Bryson-Burke lab in Ottawa using a mechanical (INEX) jig. The concentrates were processed through a heavy liquid (methyl iodide) to further concentrate the heavy-mineral grains.

As of July, 1995, when the final project report (GM-55399), was written, Bryson-Burke personnel had processed all 248 samples by screening, hand-jigging and further concentration by INEX jigging to produce heavy-mineral concentrates, and 189 of the samples had been additionally concentrated using methyl iodide. Most of the samples were examined in a preliminary fashion during processing and 75 samples had further been examined for indicator-minerals by Geon Laboratories of Montreal. No classic kimberlite indicator-minerals were identified although abundant chrome diopsides and garnets from probable crustal sources were noted.

During the winter of 1994, 53 magnetic targets were checked by ground magnetometer profile surveys consisting of a north-south line and an east-west line over each target. This program was the last conducted by Bryson-Burke Resources Inc. The company went into bankruptcy in March, 1996.

Subsequent to the settlement of the bankruptcy of Bryson-Burke Resources Inc. in 1996, Mr. Desmond Burke purchased all of the exploration data Bryson-Burke Resources had accumulated during the 1993-95 work programs. Bryson-Burke Resources Inc. had been a private Canadian corporation and therefore, with the exception of GM-55399, little of this information had been made public. The Bryson-Burke Resources Inc. work, in particular the sampling data and resultant indicator-mineral analyses, formed the basis upon which subsequent sampling programs were planned and executed.

#### 4.3 Other Area Exploration (1993 - 1995)

Two other publicly-traded companies acquired properties in and around the Bryson-Burke Properties in 1993. Abior Explorations Inc. (50%) and an associated company, KWG Resources Inc. (50%) staked 496 claims in fifteen (15) groups in Pontiac County during July and August of 1993 (referred to herein as the Abior blocks). Dianor Resources Inc. acquired seven (7) blocks comprising 246 claims in the summer of 1993 as well. They were subsequently dealt to a related company, Ecudor Mining Co. Inc., but are referred to herein as the Dianor blocks.

The Dianor Resources Inc. properties were staked based upon selection of magnetic anomalies from the federal (GSC) regional airborne magnetic survey, flown at flightline spacings of 800m, as well as on the west-northwest trending extensional faults in the area. Four (4) of the Dianor blocks (Blocks 1-4) were located within the present Properties. The other three (3) were located to the southeast in the Wright Lake - Lac Bertrand area.

Dianor found and investigated all of the magnetic anomalies located on their claims by reconnaissance ground magnetics, geologically identified the sources of the anomalies, did thin-section examinations of selected samples, and geologically mapped Block 1 (GM-52684). This work included the identification and sampling of a pre-orogenic meta-pyroxenite on Block 1 near Gerland Lake west of Bryson Lake, as well as the identification of several late diabase dykes and mafic to ultramafic outcrops, also in the area of Gerland Lake.

Dianor also took forty-five (45) alluvial samples from local streams. Most of these samples were comprised of fine to silty sand. The samples were screened on-site to eliminate the coarse fraction, and were then processed by Consorminex Inc. of Gatineau, Quebec, where they were further screened, and gravity-separation was carried out on the medium-fine size fraction (2 millimeters to 500 microns). The heavy portion of this size fraction was examined by binocular microscope and suspected diamond indicator-minerals were picked. Seventeen (17) grains were selected and sent to Carleton University for scanning electron microprobe analysis. None of the grains was found to be a diamond indicator-mineral.

Upon completion of this work program Dianor recommended a high-density airborne magnetic and electromagnetic survey, till sampling, ground magnetic follow-up on selected airborne targets, and drill testing of selected targets if warranted. However, a much more limited program was actually carried out, consisting of ground-magnetometer surveys on specific targets on Blocks 1 to 4, and the collection and analysis of sixteen (16) till samples (GM-53439). This work was completed during the summer of 1994. No diamond indicator-minerals or microdiamonds were found in the till samples, however, the microdiamond search was limited to visual examination. No kimberlitic rocks were found in the vicinity of the magnetic anomalies. No further work was done by Dianor/Ecudor and their claims were allowed to expire.

With the exception of the Rochefort 1 and 2 Blocks, none of the Abior/KWG claim blocks staked in 1993 was in the immediate area of the current Properties. In any case, no exploration work was filed on any of the Abior/KWG claim blocks, and all of these claims were allowed to expire.

Jack Charlton Management Inc., a private company, staked eleven (11) blocks of claims for private investors in the area in 1993. These blocks were also distant from the current Properties. Prospecting and limited magnetometer and VLF surveys were completed on portions of these blocks. All of the claims were allowed to expire.

An investigation of selected airborne magnetic anomalies was carried out by three prospectors in 1996 (GM-56787). All of these anomalies are to the east and south of the current Properties.

#### 4.4 Recent Diamond Exploration (Burke, 1996 to Present)

Mr. Burke resumed till- and glacio-fluvial sampling in 1997 in order to fill gaps that remained in the Bryson-Burke Resources sampling coverage. Approximately 500 geochemical till and stream-sediment samples were collected and processed by Mr. Burke using conventional screening, gravity separation, and indicator-mineral picking.

In August 2001, Mr. Burke formed 3929311 Canada Inc. and began staking claims and conducting ground-magnetic-profile surveys of selected magnetic targets. These surveys typically consisted of one north-south line crossed by one east-west line using base-station and field magnetometers.

In the autumn and early winter, 2001, three (3) attempts were made by Mr. Burke to drill-test two magnetic targets at Lamb Lake, on the current Lamb Lake Property of 3929311 Canada Inc., where G9 and G10 garnets had been found down-ice from both targets.

The first attempt, using a small prospecting drill, failed to reach bedrock due to heavy sand in overburden. The second attempt, by a contractor (Orbit Drilling Inc. of Val d'Or, Quebec) using a "Gopher" drill, was also aborted because of the deep sandy overburden. The third effort, by the same contractor using a Longyear 38 drill, was successful in penetrating bedrock on both targets. Twenty (20) meters of quartzo-feldpathic gneisses with magnetite-bearing amphibolitic layers was intersected in both holes beneath about 45 meters of sand overburden. The first hole also intersected a one-meter long, structurally-controlled interval of magnetic, micaceous (probably phlogopite), dark green-black rock which has yet to be identified.

## 5.0 GEOLOGY

### 5.1 Regional Geology

#### 5.1.1 Exploration Concept (Deposit Types)

The exploration targets on the Properties are diamondiferous, alkaline, ultramafic intrusions of kimberlitic or lamproitic composition. Distinctive indicator-mineral assemblages suggestive of both rock-types exist in the area of the Properties.

Kimberlite pipes tend to occur in clusters of a few to over forty individual bodies within an area of up to 50 kilometers in diameter. Emplacement of the pipes is controlled by deep-seated regional fractures and bears little relationship to host lithology. Kimberlite pipes are generally oval to elliptical in plan view, with long axes parallel to local structural lineaments, and range from less than 50m to more than 1500m in diameter. Contacts of a kimberlite pipe are steep-dipping (80 to 85°). Dykes and sills occur within the deeper root zones.

Until the early 1990s, the Slave Province was thought to have limited potential to host kimberlite pipes with economic quantities of diamonds because recent glacial erosion would have resulted in significant erosion of these bodies. Moreover, no kimberlite or lamproite pipes had ever been discovered in that area. It is now known that kimberlite pipes containing economic quantities of diamonds do indeed occur, and that they have not necessarily undergone significant erosion. Approximately 90 percent of the kimberlite pipes discovered within the Slave Province are located beneath lakes.

Since diamonds, even in economic deposits, can be present in concentrations of less than 0.06 parts per million, it is common practice in diamondiferous kimberlite exploration to search for other minerals that commonly occur with diamonds. These include pyrope garnet, chrome diopside, ilmenite, and chromite.

Prior to the discovery of the Argyle Mine in northwestern Australia in 1979, it was thought that economic concentrations of diamonds could occur only in kimberlites, and furthermore, only in kimberlites intruding stable archons of Archean age. In the Argyle Mine, diamonds occur in lamproite, a rock related to, but mineralogically distinct from kimberlite, in a post-Archean tectonic mobile belt.

Lamproite is an ultra-potassic magnesian rock with primary constituents composed of variable amounts of phlogopite, clinpyroxene, amphibole, olivine, and sanidine (Bergman, 1987). In cross-section a lamproite has a champagne-glass shape, as opposed to the carrot shape of the classic kimberlite. Lamproites may also occur as dykes and sills. Diamond-bearing lamproites are known from craton margins and adjacent mobile zones that have experienced relatively young and persistent faulting. The western Australian lamproites show a strong structural control by major fracture zones.

The Argyle lamproite occurs within a cluster with several other diamondiferous lamproites intruding the Proterozoic mobile belt. The main diamond-bearing phase of the Argyle, as well as that of the diamondiferous Prairie Creek lamproite in Arkansas, is an olivine lamproite phase.

Diamond indicator-mineral types and populations in lamproites differ from those in kimberlites. The most abundant resistant indicator-mineral from a lamproite source is chromite. Other resistant indicator-minerals include zircon, tourmaline, pinkish magnesium-almandine (G-5 garnet), purple peridotitic garnet, picroilmenite, opaque rutile, orange eclogitic garnet, and diamond. Most grains are rounded and have frosted surfaces (Bergman, 1987). In addition spherical glass (coesite) and magnetic grains occur in Argyle area lamproites.

Although economically-diamondiferous kimberlites have not been found in areas underlain by rocks of post-Archean age, lamproite in this environment is demonstrably an economically-significant diamond host. The Argyle lamproite is the most productive diamond mine in the world in terms of volume (as opposed to value). The Prairie Creek lamproite in Arkansas, United States, is diamondiferous and has been mined historically, and the diamondiferous "kimberlites" of India have recently been reinterpreted to be of lamproitic composition.

#### 5.1.2 The Grenville Diamond Setting

The Argyle lamproite in northwestern Australia is dated at 1.2 billion years (Ga) (Mid-Proterozoic) and intrudes rocks of Early Proterozoic ages within a Proterozoic mobile belt (Helmstaedt, 1993). This mobile belt is in many respects similar to the Grenville Province. Of additional relevance, the diamondiferous but sub-economic Prairie Creek lamproite in Arkansas, U.S.A., intrudes a Grenvillian basement, the southwestern continuation of Grenville Province rocks beneath younger cover rocks (Rivers, 1997).

The Properties are situated in the Central Gneiss Belt (CGB) of the Grenville Province in southwestern Quebec. The term Grenville Province is generally applied to the youngest part of the Canadian Shield, "cratonized" about one billion years ago, that extends southwestward from southern Labrador through Quebec into southern Ontario and New York State (Moore, 1986). The definition of the Grenville Province has been expanded over time from Logan's type locality north of the town of Grenville, Quebec, to its present extent, the boundaries of which were established in 1972.

The boundary of the Grenville with the older Superior Province craton to the northwest is the Grenville Front, or Grenville Tectonic Zone, a long, continuous zone of northwesterly-directed reverse faulting that separates the more highly-strained and metamorphosed rocks of the Grenville Province from the adjacent Archean-age Superior craton. Grenvillian rocks extend beneath Paleozoic cover to the southeast along the St. Lawrence lowlands, and to the southwest beneath southern Ontario and the Michigan Basin. It is now recognized that Grenvillian rocks extend beneath Paleozoic/Mesozoic cover southwestward as far as Texas.

#### 5.1.3 Rock Types

The Central Gneiss Belt is a high-grade metamorphic terrain of upper-amphibolite to granulite facies that resulted from burial to depths of more than 10 kilometers. The major lithologies present over the entire area are quartzo-feldspathic, biotite/hornblende, and garnet gneiss (Katz, 1976). A thin layer of marble appears to underlie most of the length of the Coulange River valley. Pyroxenite and amphibolite units occur locally. (Figures 6a, b)

The Central Gneiss Belt is interpreted to have formed along a long-lived ensialic arc (Dickin, 2000), and was subjected to pre-Grenvillian, MesoProterozoic orogeny, resulting in compressional folding and overthrusting about northwesterly axes.

All of the gneissic lithologies are cut by east-striking, Late Proterozoic diabase dykes that outcrop sporadically across the area.

#### 5.1.4 Tectonic Setting

The Grenville Province has been the subject of a significant body of recent geological research, one result of which is the recognition that the Grenville is comprised of a series of structural terranes. The Properties are situated within the Allochthonous Polycyclic Belt (APB) (Dickin, 2000), which corresponds roughly to the older lithologic appellation used in this report, the Central Gneiss Belt (CGB). To the north and northwest, the APB has been thrust onto and against the Parautochthonous Belt (PB) along an irregular and poorly-defined thrust boundary termed the Allochthon Boundary Thrust (ABT) (Dickin, 2000). The PB represents metamorphically upgraded and tectonically reworked equivalents of the adjacent Archean foreland to the northwest. (Figure 7)

The APB is comprised of several transported terranes of high-grade (upper amphibolite to granulite facies) orthogneiss and paragneiss intruded to a minor degree by gabbro, granite, anorthosite and pyroxenite that tectonically overlie the PB. The APB appears to have been exhumed from depths of at least 10 kilometers and shows evidence of having undergone major deformation prior to the Grenville Orogeny (Rivers et al, 1989). The APB is bounded to the southwest and south by the Allochthonous Monocyclic Belt (AMB) and is separated from it along the Monocyclic Belt Boundary Zone (MBBZ) (Dickin, 2000). The MBBZ lies about 40 kilometers to the west and 25 kilometers to the south of the Properties. The AMB corresponds roughly to the older, lithologic appellation, Central Metasedimentary Belt (CMB). The AMB is characterized by major northwest-directed ductile thrusting (Rivers et al, 1989).

The CGB region has undergone post-orogenic tectonic fracturing and differential uplift of individual blocks. (Figure 9, from Gouchtchine et al, 1993). The large block centered on Lynch Lake, and in which the majority of the Properties is situated, appears to be the stable "keystone" of the region. Surrounding blocks have moved up or down in relation to this central block.

#### 5.1.5 Age Relationships and Crustal Thickness

Two areas of the CMB supracrustal terrane, 25 and 40 kilometers to the east and southeast of the Properties, were dated at 1.3 to 1.4 Ga (Rivers and Corrigan, 2000).

A recent isotopic age-dating study of the PB to the north of the APB immediately north of the Baskatong-Desert Lineament, concluded that the PB in this area is Paleo-Proterozoic to Archean in age (1.87 to 2.70 Ga) (Guo and Dickin, 1996). This includes the so-called Barilia Terrane (Dickin, 2000) which bounds the Baskatong-Desert Lineament to the north and includes the former Renzy Ni-Cu Mine some 40 kilometers to the northeast of the Properties.

The intervening terrane, including the Allochthonous Polycyclic Belt into which the Properties fall, has been collectively termed "Algonquia" (Dickin, 2000). This is the least well-defined of the southwestern Grenvillian terranes and Dickin (2000), although providing age determinations for surrounding terranes, does not provide an age specifically for the APB. However, Rivers (1997) shows Nd model ages of 2.09 to 1.72 Ga for the Algonquian Terrane. The APB may represent a long-lived ensialic arc active during the late Paleoproterozoic where crust was continually formed above a north-dipping subduction zone (Dickin, 2000).

Rivers (1997) infers, from seismic reflection and geological studies, an Archean-age lower crust beneath the entire Central Gneiss Belt. Crustal thickness (the seismically-determined vertical distance to the lithosphere/upper mantle interface) across the Central Gneiss Belt is approximately 50 kilometers (Mereu et al, 1986). To the east across the CMB, it thins to about 40 kilometers thickness. Average crustal thickness of cratons is 35 to 40 kilometers (Dawson, 1980).

Crustal thickness, while not a significant factor in diamond formation, may be a factor in diamond preservation. Diamonds ascending as xenocrysts from mantle depths of formation may face a lengthy delay at the crustal interface before being incorporated into kimberlitic magma capable of stopping its way to surface along crustal-scale fracture systems. Preservation of diamonds at this interface depends upon pressure maintenance (crustal thickness) combined with sufficiently cool temperatures and the correct geochemistry and redox conditions. An older, colder, thicker crust also is more brittle than younger, thinner crust allowing for the formation of crustal-scale extensional fractures, a key prerequisite for diamondiferous kimberlite/lamproite passage to surface.

#### 5.1.6 Structure

One of the most important elements in the formation of kimberlitic and lamproitic diatremes is deep, crustal-penetrative structures. Kimberlites form during short explosive events. The kimberlite magma is cool and volatile-rich, and must rise from sites where adequate pressure, temperature and geochemical conditions to preserve diamonds prevail, at a rate sufficiently rapid to preserve diamonds under the particular geochemical conditions of that specific magma. Deep, penetrative, extensional structures, usually regional in extent, are required. The surface configuration of kimberlite and lamproite diatremes may be strongly influenced by local joint patterns in the country rock (Dawson, 1980).

Regional compilation of magnetic surveys in the Property area indicates a deep zone of magnetic rock extending in a north-south direction approximately following the line of 77°W longitude, expressed by a wide, continuous zone of high magnetic susceptibility with irregular flanks. This feature extends southward from the Baskatong Reservoir through the central portion of the Property area, where it has a width of approximately 25 kilometers. This magnetic zone, suggestive of a deeply-buried mass of ultramafic composition, continues southward across the Ottawa River and beyond. (Figure 10 and Section 7.0)

The Varty Lake and Picton kimberlitic dykes occur further south along this trend in the Kingston-Belleville area. These intrusives are of Jurassic-age with both kimberlitic and lamprophyric affinities and their emplacement may have been controlled by late-Proterozoic basement faults reactivated during the Jurassic (Barnett et al, 1984). The structure that hosts the dykes appears to continue southward beneath Lake Ontario into the Finger Lakes area of New York State along the Clarendon-Linden Fault. The kimberlite/alnoite dykes at Ithaca, New York are further evidence of the deep-seated origins of this magnetic zone. These dykes are of early Cretaceous age (Dawson, 1980).

The north-trending magnetic feature coincides with an interpreted north-south fault in the area of the Properties. This fault is situated just east of the line of 77° W longitude and is very subtle. However, it was interpreted independently by Gouchtchine(1993) and by Charlton (1993). (Figure 8) North-trending extensional faults appear to be of importance in the localization of kimberlites in the Attawapiskat region of Ontario.

To the south of the property area, a regionally-prominent set of west-northwest-striking normal faults, related to the formation of the Ottawa Graben, are associated with late Proterozoic to Paleozoic tectonic activity that culminated in widespread post-Ordovician faulting and rifting (Katz, 1976). Intrusive activity along this regional structure is manifested by alkaline, ultramafic volcanism east from the Montreal area, along the Monteregian Hills, almost to the Maine border, and included intrusion of the alnoitic, diamondiferous dyke at Ile Bizard, Quebec. These ultramafics have Lower Cretaceous ages (Globensky, 1987). Katz (1976) describes a double aeromagnetic anomaly at the southeast edge of Ile des Allumettes as being similar to the anomalies of the Monteregian intrusives.

The Murtagh Creek Fault (Charlton, 1993) in the region of the Properties may represent the northern flank of the Ottawa Rift system. This fault strikes 105° to 110° and is traceable for over 150 kilometers. The Murtagh Creek Fault also coincides remarkably well with the track of the Great Meteor hotspot in this region (Crough, 1981), and therefore the fault may be an extensional feature associated with uplift caused by passage over the hotspot. The bulk of the Properties straddle the western 40 kilometers of the Murtagh Creek Fault and are centered upon the intersection of the north-trending magnetic feature, the coincident north-trending fault, and the Murtagh Creek Fault.

The area has experienced post-orogenic uplift that caused tilting and jointing of blocks as large as 30 kilometers, and as small as three kilometers across (Gouchtchine, 1993). Uplift may have occurred during early Cretaceous time and may have been caused by the Great Meteor hotspot over which this region drifted approximately 130 million years ago (Crough, 1981).

#### 5.1.7 Quaternary Glaciation and Drainage

An understanding of the history of Quaternary glaciation and subsequent development of post-glacial local drainage is of primary importance in the assessment of the provenance, distribution, and frequency of diamond indicator-mineral occurrences.

In the CGB region there were three (3) major ice advances during the Quaternary. The last Laurentide ice sheet retreated from this area approximately 10,000 years ago. Although difficult to estimate accurately, ice thickness probably exceeded 2,000m in this region. The predominant most-recent ice advance direction was to the south-southwest. However, eskers indicate that the last ice retreated and melted in an average south-to-north direction.

Isostatic rebound in the CGB region is on the order of 50m. Local differential isostatic rebound has resulted in reversals of drainage direction, as exemplified by the drainage reversal from Bryson Lake (Katz, 1976 and Section 5.2.4, below).

The last glaciation deposited poorly-sorted boulder to clay-size tills in a random pattern over the CGB region. Melting and high-energy water flowage locally remobilized significant amounts of till into stream and riverbed, water-sorted boulder, gravel and sand deposits. Locally, there are expanses and significant thicknesses of sand outwash derived directly from melting ice. A peculiarity of the CGB region is the high predominance of sand-size particles over all other sizes; gravel and cobble-size material is almost non-existent.

In the Slave Province, indicator-minerals commonly occur in glacially-dispersed trains that emanate from the source kimberlites. Because these trains narrow in the source direction, the source kimberlite can be located by following the indicator trains in the up-ice direction. However the success of this technique is critically dependant upon a uniform dispersal which, in turn, depends upon a simple and consistent history of glacial ice movement.

The Central Gneiss Belt region suffered more episodes of glaciation with much thicker ice sheets than did the Slave Province. This has resulted in a deeper erosion level and more-severe winnowing and dilution of indicator-minerals. The latter condition has been exacerbated by a moister climate, a much higher water-flow regime, and local reversals in drainage direction. These glacial and drainage conditions may have contributed to the paucity of indicator-minerals found to date in the region.

The relatively high precipitation in the CGB region (average of 130 centimeters/year) causes the high water-flow regime exemplified by the Coulonge and Black River systems. The voluminous spring melts constitute peak flow-levels and result in additional washing-out and downstream redistribution of indicator-minerals to degrees not seen in drier glaciated kimberlite terrains such as the Slave Province, West Greenland, and Yakutsk, Russia.

#### 5.1.8 Summary

The Properties are grouped around the junction of a deep-seated, north-south magnetic feature, possibly signifying ultramafic rocks, and the northern edge of the Ottawa Graben represented by the Murtagh Creek Fault. Both are old crustal-scale structures that host alkaline ultramafic, including kimberlitic, intrusives along their respective lengths. The properties are underlain by a high-grade metamorphic terrane, the Allochthonous Polycyclic Belt or Central Gneiss Belt, that has an age of 1.72 to 2.09 billion years, and a lower crust of Archean age. Crustal thickness of the Central Gneiss Belt is estimated to be approximately 50 kilometers.

A key feature for diamond prospectivity may be the north-striking fault interpreted to cross the Properties, and to coincide with the north-trending regional magnetic high. The Great Meteor hotspot tracked directly beneath this part of the CGB during early Cretaceous time, and may have caused crustal uplift and possibly initiated or facilitated emplacement of kimberlites or lamproites.

The great thickness of Quaternary ice over the CGB region, coupled with relatively high annual precipitation, has resulted in a severe redistribution and possibly removal of diamond indicator-minerals in this region.

## 5.2 Property Geology

### 5.2.1 Rock Types

The local gneissic geology has no genetic relationship to the target kimberlite or lamproite intrusions which can be expected to be much younger and are structurally controlled. However, a brief description of the dominant lithologies within the Property area, taken mainly from Katz (1976), follows.

Quartzo-feldspathic and biotite-hornblende gneiss underlies more than 80 percent of the Property area (Figures 6a,b). The quartzo-feldspathic gneisses are leucocratic, fine to medium-grained, equigranular, quartz-feldspar-rich rocks that weather greyish-orange and are light-red to pink on fresh surface. The quartzo-feldspathic gneisses are frequently interlayered with dark amphibolites in undulous, discontinuous layers several centimeters thick. Accessory minerals may include ilmenite and magnetite.

The biotite and hornblende-gneisses are commonly fine-grained, equigranular rocks that weather to pale-orange and yellowish-grey hues, and are greyish-blue on fresh surface. The biotite gneisses are conspicuously laminated or finely interlayered with alternating dark amphibolite and light quartzo-feldspathic zones. These gneisses are commonly veined and injected by abundant pegmatitic material and display porphyroblastic textures. The hornblende gneisses are not commonly laminated but are interlayered with amphibolite. Accessory minerals include ilmenite-magnetite, locally in significant amounts.

Garnet gneiss underlies 10 to 15 percent of the property area. These gneisses are medium-grained bluish-white weathering rocks that are pale-pink on fresh surface, and contain conspicuous crystals of very dark-red garnet. Dark garnetiferous amphibolites are commonly associated with these gneisses. Notably, pale-pink garnet may be present in amounts up to 20 percent, and accessory minerals include ilmenite-magnetite.

Amphibolite occurs as lenses and pods interlayered with the gneisses, is dark greenish-grey to black, medium-grained, equigranular, and commonly rusty-weathering. Notable accessory minerals include ilmenite-magnetite.

With increasing metamorphic grade to the west, all of the above lithologies develop into granulites and charnokites.

The only known marble or calc-silicate unit in the area is exposed in the deeply-eroded Coulonge River valley and represents the westernmost calc-silicate band in the region. The marbles are friable, medium to coarse-grained rocks that may be white, bluish-grey, or orange-pink, depending upon the minor-mineral composition.

The only clearly post-tectonic intrusive rocks that have been recognized within the Properties are east-striking diabase dykes that outcrop sporadically across the area; one crosses the south end of Lamb Lake, two are mapped between Branssat and Lynch Lakes, and one occurs at the east end of Gerland Lake, just north of Katz's (1976) map area.

An unusual ultramafic rock of websterite composition occurs just to the southwest of the Properties in two localities along the Jim Lake Road at about kilometer 70. Also, a small boulder of kimberlitic or lamproitic float was reportedly found in 1993 by Bryson-Burke Resources personnel along the west slope of the Coulonge River valley, in the southeastern portion of the present large Bryson-Branssat claim block (D. Burke, personal communication). This specimen, which was fine-grained and xenolith-free, was sent to Russia for identification and was not available for examination by the author.

The geology map for the former Ressources Dianor Block 1 Property shows several small outcrops of mafic to ultramafic rock (map unit 14) about 100 meters east of the eastern boundary of the property in the area southeast of Gerland Lake. These rocks are not discussed in the text of the report (GM52684), but are of potential interest because they occur in the vicinity of four anomalous indicator-mineral samples discussed below (Section 8.1).

### 5.2.2 Structure

The area has a complex structural history that commenced with early to mid-Proterozoic (probably Paleohelikian) orogeny, and involved deep burial followed by tight folding and over-thrusting causing general east-west compression and crustal thickening (Section 5.1.6). Dominant fold axes trend NNW near the Coulonge River in the eastern area of the Properties, NW across the Lynch Lake area in the western part of the Properties, and WNW beyond the properties to the southeast. These folds truncate and deform an earlier set of northeast-striking fold axes (Katz, 1976). Refolded folds along these earlier northeast structures are also common. (Figure 8)

The two main generations of folding have resulted in a regional basin-and-dome tectonic style. On a local and outcrop scale, folding is variable and complex. Tight isoclinal folds are most common, although fan, chevron and interference folds occur as well.

An anticlinal axis is interpreted by Katz to strike northwest through Lynch and Lamb Lakes. A branching, north-trending synclinal axis is interpreted in the northern part of Bryson Lake. The Coulonge River valley is thought to represent a doubly-plunging synform, which is better-developed to the north and south of this area. East of the Coulonge River, with the exception of the Wright Lake area, gneissosities dip generally steeply eastward.

Gneisses in the area of the Properties do not appear to have been significantly remetamorphosed during the Grenvillian Orogeny.

### 5.2.3 Tectonic Setting

Three separate studies of regional lineations have been completed including Sharma, et al., 1993, Charlton, 1993 (unpublished), and Gouchtchine, (1992-93, unpublished). Katz, (1976) limited his structural examinations to the Ottawa Graben. Four different sets of faults, probably related to four tectonic events, affect the area.

Northwest-striking lineations, parallel to regional fold trends, dominate the structural fabric. The majority of lineations are fold or lithology-related, however, Gouchtchine (1993) attempted to differentiate between the northwest striking fold/lithology-related features and thrust faults that developed along some of these, and interprets many long, northwest-striking thrust faults. These are probably old Proterozoic, late-phase orogenic structures that dip steeply east and northeast.

A set of northeast-striking faults is truncated by the northwest-striking faults.

The west-northwest to east-trending faults associated with formation of the Ottawa Graben are more numerous toward the south. The Graben was active from latest Proterozoic to post-Ordovician time and developed along extensional block faults. The Murtagh Creek Fault may represent the north flank of the Graben. The coincidence of this fault with the Early-Cretaceous track of the Great Meteor hotspot suggests that it may have been reactivated during that time. (Figure 8)

The youngest episode of faulting is possibly an early Cretaceous (?) period of uplift that may have been caused by passage of the area over the Great Meteor hotspot mentioned above. Only Gouchtchine (1993) has analyzed uplift in this area (Figure 9). The faulted boundaries of the differentially-uplifted blocks are, or represent, because of their mode of formation, crustal penetrative, extensional fractures.

#### 5.2.4 Quaternary Glaciation and Drainage

Fluvial evidence studied by Gouchtchine et al. (1993) indicates that some recent reversals in drainage directions have occurred in the area and probably have resulted from recent isostatic rebound. The most pertinent reversal noted is that from Bryson Lake, which in the immediate post-glacial period drained toward the southeast from the southern end of Five Mile Bay into the Coulonge River. Bryson Lake now drains into the Coulonge River from the north.

The course followed by the post-glacial drainage is marked by a linear, southeast-trending valley that intersects the Coulonge River valley at the point where microdiamonds were first recovered in 1992, and where numerous (78) other microdiamonds were subsequently recovered by Bryson-Burke Resources (Section 7.2, TABLE 2).

## 6.0 GEOCHEMICAL EXPLORATION

### 6.1 Sampling Methodology and Approach

There are no known kimberlites or lamproites within the area of the Properties. Exploration to date has been guided essentially on the basis of geochemical sampling. To date, about 720 heavy-mineral samples have been collected in the greater Property area. Of that total number of samples, about 250 were collected by or on behalf of Bryson-Burke Resources Ltd. and, except for the 35 till samples collected by Monopros, the balance were collected either previously or subsequently by Mr. Burke. Sample locations are shown on Figures 12 through 15.

Till, glacio-fluvial and stream-sediment samples have been collected but given the irregular, patchy distribution of till and the fact that it is most commonly preserved on topographically high areas, stream-sediment and glacio-fluvial material have proved to be both better-distributed and more prolific hosts of diamonds and indicator-minerals than till, and have been the preferred sample media.

Heavy-mineral samples were collected from stream-sediments by pan-concentration. Abundance of heavy minerals naturally varies throughout the Property area and the normal practice was to process sufficient material to produce a heavy-mineral concentrate weighing from 30 to 400 grams. The pan-concentrate was saved in self-locking plastic sample bags.

Sampling of glacio-fluvial material was carried out by the excavation of pits. After removal of the surficial organic layer, excavated glacio-fluvial material was placed on a plastic tarpaulin until sufficient material had been excavated to fill a 25-liter plastic pail, on average about 40 kilograms in weight. Coarse clasts were commonly removed from the sample by passing the material through a coarse (five-millimeter) screen.

Till samples were collected in a manner similar to the glacio-fluvial samples.

### 6.2 Sample Preparation, Analysis and Security

Heavy-mineral concentrates collected from stream-sediments were in some cases further concentrated by use of a mechanical jig. Samples collected by Bryson-Burke Resources were processed through heavy-media separation, but those collected since 1996 (Burke samples) have been subjected only to mechanical separation.

Glacio-fluvial and till samples were passed through screens (0.25, 0.5 and 1.0 millimeter) in order to obtain size-classified sample material. Heavy-mineral concentrates were then obtained from these size-classified samples by passing them through a mechanical jig.

Subsequent to separation, heavy-mineral concentrates were picked using a binocular microscope in order to identify and recover any indicator-minerals and diamonds present. Those heavy-mineral concentrates analyzed by Dr. Gouchtchine et al in St. Petersburg (pre-Bryson-Burke Resources) were also separated on the basis of magnetic susceptibility. (D. Burke, personal communication)

The heavy-mineral concentrates derived from the Burke samples were picked using a binocular microscope in order to recover indicator-minerals and microdiamonds.

As noted in the property history above, indicator-minerals from a portion of the samples collected prior to the work of Bryson-Burke Resources and included in the current database, were confirmed by microprobe analysis (See Section 4.2 above). The microdiamonds that are included in the sample database (Appendix 2, Table 2), were identified by geoscientists in Russia. None of the indicator-minerals obtained from the Burke samples has been confirmed by independent agencies. Mr. Burke has recovered additional microdiamonds from sample sites previously established to contain microdiamonds during exploration by Bryson-Burke Resources Ltd. (D. Burke, personal communication) As none of these microdiamonds has been confirmed by independent agencies, none is included in the sample database.

In addition to the glacio-fluvial and till samples Burke collected one large (about 100 kilograms) screened sample from the beach gravels at the southern end of Five Mile Bay on Bryson Lake where both microdiamonds and indicator-minerals had been found in earlier sampling. Five (5) macrodiamonds, ranging between about 0.75 and two millimeters in size, were recovered from this sample, four are clear and one is bluish. All contain numerous inclusions. This sample was collected in order to search specifically for macrodiamonds and was processed in the following way: Material was screened through a coarse mesh (about one millimeter), and all minus-one millimeter material was rejected. Sufficient plus-one millimeter material was collected to fill five (5) 25-liter plastic containers. This material was spread on a plastic sheet and examined using an ultraviolet light as well as ordinary daylight. The five diamonds were identified and recovered by this means. (D. Burke, personal communication)

To the author's knowledge, no specific quality control measures were employed during the course of any of the sampling programs. All sampling and sample-analysis campaigns followed procedures established by Dr. Victor Gouchtchine of the University of St. Petersburg, Russia.

The author has reviewed the sampling and processing procedures employed by Bryson-Burke personnel and subsequently by Mr. Burke and can state that the methodologies applied conform in principle to acceptable practice for kimberlite-indicator geochemical sampling surveys.

### 6.3 Data Verification

Prior to the formation of Bryson-Burke Resources, indicator-mineral and microdiamond identifications were conducted by Dr. Victor Gouchtchine and colleagues in St. Petersburg, Russia. Limited microprobe confirmation of indicator-mineral identifications was performed by the Department of Earth Sciences at Carleton University, Ottawa. Consominex, based in Gatineau, Quebec tested by microprobe a suite of pyrope garnets collected in the Lamb Lake area. These data form the principal basis upon which the following interpretation (Section 8.1) is based. All indicator-minerals and microdiamonds identified by Dr. Gouchtchine and colleagues were retained in Russia and therefore none was available for examination by the author.

A portion (75 of 248) of the heavy-mineral samples collected by Bryson Burke Resources was examined for indicator-minerals by Geon Laboratories in Montreal.

None of the samples collected by Mr. Burke subsequent to the dissolution of Bryson-Burke Resources was processed by independent agencies and none of the identifications of indicator-minerals nor microdiamonds was confirmed by independent agencies. However, and for those reasons, none of the microdiamonds identified by Mr. Burke is included in the database that forms the basis of this report.

It can be reasoned that Mr. Burke did not enlist the participation of independent agencies for two principal reasons: he was conducting exploration as a private individual and was therefore not constrained by standards applicable to public companies, and he was confident in his own abilities and adequately equipped to collect representative samples and to identify the relevant indicator-minerals those samples might have contained.

The author has examined, and can confirm the existence in the possession of Mr. Burke in Ottawa, of portions (splits) of all samples collected prior to the formation of Bryson-Burke Resources, including those samples used for the identification of indicator-minerals and microdiamonds by Dr. Gouchtchine and colleagues. Mr. Burke also possesses splits from all samples collected by him subsequent to the dissolution of Bryson-Burke Resources. No sample material or heavy-mineral concentrates from the 248-sample program conducted by Bryson-Burke Resources were preserved following the bankruptcy of that company.

The five (5) macrodiamonds recovered by Mr. Burke were examined by the author but independent, expert confirmation of their identification as diamonds, or measurement of their weight in carats, has not been made.

## 7.2 Results

A database has been compiled by Mr. Burke of all the sample results for which reliable information exists. A copy of this database is included at the end of the report as Appendix 2.

Of the total of 719 samples, the collection sites for 646 have been accurately located by UTM coordinates. These samples are plotted on Figures 12 through 15 included with this report. These figures also show the distribution of indicator-minerals and microdiamonds that were recovered and identified. Seventy-five (75) samples (about 12 percent) contained one or more of the indicator-minerals or microdiamonds. These samples are tabulated in Table 2. It can be seen from this table that with the exception of microdiamonds, most indicator-minerals have been documented only in a qualitative way, i.e., simply as being present. The lack of quantification places constraints upon the amount of interpretation that can be derived from the indicator-mineral distributions. Regardless, the microdiamonds and indicator-minerals have an obvious and limited distribution.

Sixty (60) percent of samples that contain indicator-minerals or microdiamonds contain more than one type of indicator. Figures 12 through 15 show the indicator-mineral distributions discussed below.

Microdiamonds were found in 14 samples. The number of diamonds identified is quantified for 12 of the 14 samples. All microdiamonds identified (149), are fragments of larger crystals. None of the microdiamonds identified by the Russian geoscientists on behalf of Bryson-Burke Resources was whole, nor were any of the microdiamonds found subsequently by Mr. Burke. (D.Burke, personal communication). The microdiamond-bearing samples occur in four discrete clusters: 1) on the Coulonge River at the mouth of the post-glacial drainage from Bryson Lake (A1068, 1069); 2) at the south end of Five Mile Bay on Bryson Lake (A1121, 1126, 1131, 1133); 3) northwest of Five Mile Bay on the peninsula that separates Five Mile Bay from the bay to the west (A1167, 1175, 1181), and 4) on the north shore of Duval Lake (A1053, 1075, 1078, 1080). A single sample (A1164) containing a single microdiamond was found on the shore of Antoine Lake southwest of Bryson Lake. Of those samples for which actual microdiamond counts are given, the two samples on the Coulonge River, A1068 and A1969, contained by far the greatest number of microdiamonds (78 of the total of 149 documented). The five macrodiamonds mentioned above were recovered from the area at the south end of Five Mile Bay on Bryson Lake.

TABLE 2: INDICATOR MINERALS

| Sample # | North (UTM) | East (UTM) | NTS   | Sample Medium   | Diamond | Pyrope G9 | Pyrope G10 | Total Pyrope | Chromite | Diopside | Ilmenite | Chromite Spinel | Olivine | Glass Balls | Magnetic Balls |
|----------|-------------|------------|-------|-----------------|---------|-----------|------------|--------------|----------|----------|----------|-----------------|---------|-------------|----------------|
| A1014    | 5127203     | 351602     | 31K07 | Glaciofluvial   |         |           |            |              | Y        |          | Y        |                 |         |             |                |
| A1016    | 5128022     | 343575     | 31K06 | beach con.      |         |           |            | Y            |          |          | Y        | Y               |         |             |                |
| A1021    | 5131123     | 358370     | 31K07 | beach con.      |         |           |            |              | Y        |          |          | Y               |         |             |                |
| A1035    | 5133408     | 364001     | 31K07 | Stream          |         | Y         |            |              |          |          | Y        |                 | Y       |             |                |
| A1044    | 5133987     | 352673     | 31K07 |                 |         |           |            |              |          |          |          |                 |         |             |                |
| A1047    | 5134862     | 348603     | 31K07 | Stream          |         | Y         |            | 4            |          |          |          | Y               |         | Y           | Y              |
| A1053    | 5135050     | 352034     | 31K07 | Stream          | 9       |           |            | 1            |          |          |          | Y               |         |             |                |
| A1061    | 5135151     | 356311     | 31K07 | coarse sands    |         |           |            | Y            |          |          |          |                 |         |             |                |
| A1068    | 5135212     | 356261     | 31K07 | Stream          | 56      |           |            | 11           | 1        |          |          | Y               |         | Y           | Y              |
| A1069    | 5135212     | 356261     | 31K07 | Till            | 22      |           |            | Y            |          |          |          |                 |         |             |                |
| A1075    | 5135327     | 352464     | 31K07 | Stream          | 13      |           |            |              |          |          |          |                 |         |             |                |
| A1078    | 5135480     | 352077     | 31K07 | Stream          | Y       |           |            |              |          |          |          | Y               |         | Y           | Y              |
| A1080    | 5135582     | 352393     | 31K07 | Stream          | 7       |           |            |              |          |          |          |                 |         |             |                |
| A1084    | 5135611     | 352266     | 31K07 |                 |         |           |            | Y            |          |          |          |                 |         |             |                |
| A1097    | 5139129     | 352205     | 31K07 | Fluvial         |         |           |            |              |          |          |          | Y               |         |             |                |
| A1101    | 5137440     | 347182     | 31K07 | Stream          |         |           |            |              |          |          |          |                 |         | Y           | Y              |
| A1104    | 5137609     | 331525     | 31K06 | Reworked        |         |           |            | Y            |          |          |          |                 |         |             |                |
| A1121    | 5138465     | 352386     | 31K07 | Stream          | 9       |           |            |              |          |          |          | Y               | Y       |             |                |
| A1123    | 5138508     | 346704     | 31K07 | Stream          |         |           |            |              |          |          |          |                 | Y       | Y           | Y              |
| A1126    | 5138536     | 352948     | 31K07 | stream          | 1       |           | Y          | Y            | Y        |          |          |                 |         |             |                |
| A1129    | 5138569     | 352295     | 31K07 | stream          |         |           |            |              |          |          |          |                 |         | Y           | Y              |
| A1131    | 5138611     | 352279     | 31K07 | stream          | 11      |           |            |              |          |          |          |                 | Y       | Y           | Y              |
| A1133    | 5138699     | 352145     | 31K07 | stream          | Y       | Y         |            |              | Y        | Y        | Y        | Y               |         | Y           | Y              |
| A1135    | 5138719     | 353443     | 31K07 |                 |         |           |            | Y            | Y        |          |          |                 |         |             |                |
| A1140    | 5139004     | 354620     | 31K07 | hill            |         |           |            | Y            |          |          |          |                 |         |             |                |
| A1154    | 5139139     | 350009     | 31K07 | stream          |         |           |            |              |          |          |          | Y               | Y       |             |                |
| A1159    | 5139241     | 351393     | 31K07 | stream          |         |           |            |              |          |          |          |                 | Y       | Y           | Y              |
| A1164    | 5139363     | 347002     | 31K07 | stream          | 1       |           |            |              |          |          |          |                 |         |             |                |
| A1167    | 5139432     | 349794     | 31K07 | stream          | 1       |           |            |              |          |          |          |                 | Y       | Y           | Y              |
| A1169    | 5139502     | 350720     | 31K07 | Fluvial         |         |           |            | Y            |          |          |          |                 |         |             |                |
| A1171    | 5139535     | 350764     | 31K07 | stream          |         |           |            |              |          |          |          |                 |         | Y           | Y              |
| A1173    | 5139777     | 347715     | 31K07 | basal / fluvial |         |           |            | Y            | Y        |          |          |                 |         |             |                |
| A1175    | 5139807     | 349650     | 31K07 | stream          | 12      |           |            |              |          | 14       |          |                 | Y       | Y           | Y              |
| A1179    | 5140143     | 352575     | 31K07 |                 |         |           |            | Y            | Y        |          |          |                 |         |             |                |
| A1181    | 5140386     | 348407     | 31K07 | stream          | 7       |           |            | 2            | 3        |          |          | Y               | Y       | Y           | Y              |
| A1182    | 5140407     | 348602     | 31K07 | ablation till   |         |           |            | Y            | Y        |          |          |                 |         |             |                |
| A1188    | 5140703     | 349304     | 31K07 | ablation till   |         |           |            | Y            | Y        |          |          |                 |         |             |                |
| A1192    | 5141255     | 347806     | 31K07 |                 |         |           |            | Y            | Y        | Y        | Y        |                 | Y       |             |                |
| A1194    | 5141416     | 347071     | 31K07 |                 |         |           |            | Y            |          |          |          |                 |         |             |                |
| A1203    | 5142160     | 344876     | 31K06 |                 |         | 5         |            | Y            | Y        |          |          |                 |         |             |                |
| A1222    | 5144308     | 352408     | 31K07 | hill            |         |           |            | Y            | Y        |          |          |                 |         |             |                |
| A1240    | 5145912     | 330107     | 31K06 | glaciofluvial   |         |           |            | Y            | Y        |          |          |                 |         |             |                |
| A1243    | 5146041     | 342266     | 31K06 |                 |         |           |            | Y            | Y        | 1        |          |                 |         |             |                |
| A1244    | 5146053     | 342724     |       |                 |         |           |            | Y            | Y        | Y        | Y        |                 |         |             |                |
| A1253    | 5146713     | 329902     | 31K06 | basal till      |         |           |            | Y            | Y        | Y        |          |                 |         |             |                |
| A1264    | 5147616     | 332109     | 31K06 | basal till      |         |           |            | Y            | Y        |          |          |                 |         |             |                |
| A1268    | 5147794     | 341859     | 31K06 |                 |         | 3         |            | Y            | Y        |          |          |                 | Y       |             | Y              |
| A1270    | 5147860     | 342947     | 31K06 |                 |         |           |            | Y            | Y        |          |          |                 |         |             |                |
| A1271    | 5147996     | 331018     | 31K06 | basal till      |         |           |            |              |          |          | Y        | Y               | Y       |             |                |
| A1280    | 5148701     | 330615     | 31K06 | basal till      |         |           |            | Y            |          | Y        |          |                 |         |             |                |
| A1292    | 5149320     | 331617     | 31K06 | stream          |         |           |            |              | Y        |          |          |                 |         |             |                |
| A1297    | 5149357     | 331508     | 31K06 | recent stream   |         |           |            | Y            |          |          |          |                 |         |             |                |
| A1302    | 5149439     | 328609     | 31K06 |                 |         |           |            | Y            |          |          |          |                 |         |             |                |
| A1386    | 5156691     | 319199     | 31K11 |                 |         |           |            | Y            |          |          |          |                 |         |             |                |
| A1421    | 5159902     | 334614     | 31K11 | glaciofluvial   |         |           |            | Y            | Y        |          |          | Y               |         |             |                |
| A1427    | 5160606     | 333607     | 31K11 | glaciofluvial   |         |           |            | Y            |          |          |          |                 |         |             |                |
| A1436    | 5161604     | 332022     | 31K11 | glaciofluvial   |         |           |            | Y            |          |          |          | Y               |         |             |                |
| A1446    | 5161801     | 323710     | 31K11 | glaciofluvial   |         |           |            | Y            | Y        |          |          |                 |         |             |                |
| A1447    | 5161905     | 368112     | 31K10 | ablation till   |         |           |            |              | Y        |          |          | Y               |         |             |                |
| A1543    | 5173049     | 333704     | 31K11 | Glaciofluvial   |         |           |            |              |          |          |          | Y               |         |             |                |
| A1559    | 5174840     | 334302     | 31K11 | Fluvial         |         |           |            | Y            | Y        |          |          |                 |         |             |                |
| A1599    | 5146553     | 330532     | 31K06 |                 |         |           |            | Y            | Y        |          |          | Y               |         |             |                |
| A1676    | 5142326     | 365495     | 31K07 | Glaciofluvial   |         |           |            |              | 1        | 1        |          |                 |         |             |                |
| A1680    | 5136389     | 369560     | 31K07 | Glaciofluvial   |         |           |            |              |          | 9        |          |                 |         |             |                |
| A1683    | 5129996     | 371357     | 31K07 | Glaciofluvial   |         |           |            |              |          |          | 1        |                 |         |             |                |
| A1684    | 5126071     | 369178     | 31K07 | Glaciofluvial   |         |           |            |              |          |          | 2        |                 |         |             |                |
| A1686    | 5131778     | 367282     | 31K07 | Glaciofluvial   |         |           |            |              |          |          | 1        |                 |         |             |                |
| A1691    | 5139627     | 345668     | 31K06 | Till            |         |           |            |              | 3        |          |          |                 |         |             |                |
| A1694    | 5139846     | 347674     | 31K07 | Till            |         |           |            |              | 1        |          |          |                 |         |             |                |
| A1696    | 5140321     | 349364     | 31K07 | Till            |         |           |            |              | 1        |          |          |                 |         |             |                |
| A2000    | 5138457     | 353786     | 31K07 | Till            |         |           |            |              |          |          | 3        |                 |         |             |                |
| A2002    | 5136151     | 355866     | 31K07 | Glaciofluvial   |         |           |            |              |          |          |          | 1               |         |             |                |
| A2004    | 5132412     | 358907     | 31K07 | Glaciofluvial   |         |           |            |              |          |          | 2        |                 |         |             |                |
| A2007    | 5133525     | 362612     | 31K07 | Till            |         |           |            |              | 2        |          |          |                 |         |             |                |
| A2016    | 5149486     | 331461     | 31K06 | Stream          |         | Y         |            | Y            |          | 2        |          |                 |         |             |                |
| TOTAL    |             |            |       |                 | 14      | 6         | 1          | 38           | 35       | 14       | 19       | 12              | 13      | 14          |                |

Pyrope garnets were found in 38 samples. Most of these identifications are visual, as analytical confirmation of G9 or G10 composition exists for garnets from only 13 of these samples. These analyses are presented in Table 3. The plot of  $\text{Cr}_2\text{O}_3$  versus  $\text{CaO}$  for those pyropes is presented in Figure 16 which shows that the majority falls within the G10 field.

Those samples containing pyrope garnet are distributed along a pronounced northwest-trend with the greatest abundance in the area between the mouth of the paleo-drainage from Bryson Lake into the Coulonge River, and the south shore of Bryson Lake. The second-greatest concentration is on the southeast shore area of Lamb Lake, to the northwest of Bryson Lake. Three pyrope-bearing samples (A1421, 1426, 1436) collected southwest of Lac Argent may constitute a discrete cluster. One sample from the north end of Lynch Lake, and one from the south end of Antoine Lake also contained pyrope garnets, as did several isolated samples to the north and northwest of Lamb Lake.

Chrome diopside grains were found in 35 samples. The distribution of these samples is similar to those containing pyrope garnets in that the greatest concentration is immediately south of Bryson Lake, with a second concentration southeast of Lamb Lake. Chrome diopside was also found in three isolated samples north of Lamb Lake, including one south of Lac Argent (A1421). Other single-point samples that contained diopside were found to the south on the Coulonge River, on the East Coulonge River, and on the shore of Wright Lake between the Coulonge and East Coulonge Rivers.

Ilmenite grains were found in 14 samples. The greatest abundances occur south of Bryson Lake and southeast of Lamb Lake. Isolated occurrences of ilmenite were also found east of the Coulonge River and on the Black River about 12 kilometers southwest of Bryson Lake.

Chrome spinel was found in 19 samples. The majority occurs in the area south of Bryson Lake, several were found on the north shore of Duval Lake and adjacent Antoine Lake to the west. Two samples containing chrome spinel were found southeast of Lamb Lake, and two were found south of Lac Argent. Two isolated spinel-bearing samples were collected to the north and northeast of the main area of interest.

Olivine was found in 12 samples. With the exception of one sample south of Lamb Lake and one to the east on the north shore of Gerland Lake, all olivine-bearing samples were taken from the area immediately to the south of Bryson Lake.

Glass balls (coesite) and magnetic balls were found in 13 and 14 samples respectively, with identical distributions except for the single additional magnetic ball-bearing sample. The imputed significance of these unusual indicators is the fact that they are found in the Argyle lamproite in Australia. All samples containing glass and magnetic balls were collected south of Bryson Lake. The single sample (A1268) containing only magnetic balls was collected from the north shore of Gerland Lake. Those grains identified as coesite are spherical and comprised of multi-faceted surfaces. The initial identification of these grains was made by Dr. Gouchtchine but the specific means by which the identification was made is not known. (D. Burke, personal communication)

TABLE 3: PYROPE GARNETS

| Sample # | MnO  | Al2O3 | FeO   | Fe2O3 | SiO2  | TiO2 | CaO  | Cr2O3 | MgO   | Total  | Analysis | Zone   |
|----------|------|-------|-------|-------|-------|------|------|-------|-------|--------|----------|--------|
| A1047    | 0.41 | 19.31 | 5.08  | 2.63  | 40    | 0.21 | 4.28 | 5.42  | 21.89 | 99.23  | 3        |        |
| A1047    | 0.45 | 20.8  | 6.27  | 1.73  | 40.83 | 0.1  | 4.79 | 3.84  | 20.24 | 99.05  | 5        |        |
| A1047    | 0.51 | 20.63 | 7.08  | 1     | 41.59 | 0.26 | 4.87 | 4.13  | 20.29 | 100.36 | 5        |        |
| A1047    | 0.48 | 20.37 | 5.85  | 2.2   | 40.2  | 0.28 | 4.95 | 3.92  | 20    | 98.25  | 5        |        |
| A1053    | 0.57 | 21.04 | 6.15  | 0.87  | 41.24 | 0.52 | 4.95 | 4.03  | 20.59 | 99.96  | 3        | center |
| A1053    | 0.48 | 20.78 | 5.79  | 1.17  | 41.37 | 0.55 | 5.16 | 3.87  | 20.82 | 99.99  | 3        | rim    |
| A1068    | 0.41 | 21.04 | 7.59  |       | 42.23 | 0    | 3.97 | 3.67  | 21.82 | 100.73 | 1        |        |
| A1068    | 0.51 | 20.34 | 8.06  |       | 41.96 | 0.19 | 4.99 | 4.14  | 20.33 | 100.54 | 1        |        |
| A1068    | 0.39 | 19.03 | 8.06  |       | 41.69 | 0    | 5.94 | 5.98  | 19.34 | 100.45 | 1        |        |
| A1068    | 0.37 | 19.19 | 7.99  |       | 41.74 | 0.11 | 4.9  | 6.06  | 20.45 | 100.81 | 1        |        |
| A1068    | 0.48 | 19.37 | 8.63  |       | 41.28 | 0.18 | 5    | 5.53  | 19.86 | 100.35 | 1        |        |
| A1068    | 0.38 | 19.81 | 7.43  |       | 41.84 | 0.27 | 4.51 | 5.11  | 21.41 | 100.76 | 1        |        |
| A1068    | 0.46 | 19.35 | 7.64  |       | 41.09 | 0.29 | 4.92 | 6.26  | 20.14 | 100.15 | 2        |        |
| A1068    | 0.33 | 23.21 | 9.56  |       | 41.97 | 0    | 4.64 | 1.52  | 19.31 | 100.54 | 2        |        |
| A1068    | 0.44 | 18.32 | 5.02  | 2.86  | 40.55 | 0.28 | 4.29 | 6.12  | 23.49 | 102.37 | 3        |        |
| A1068    | 0.41 | 19.53 | 4.86  | 2.75  | 40.77 | 0.27 | 4.89 | 6.21  | 20.43 | 100.12 | 3        |        |
| A1068    | 0.35 | 19.47 | 4.95  | 2.54  | 40.15 | 0.26 | 4.14 | 6.38  | 21.72 | 99.96  | 3        |        |
| A1068    | 0.31 | 19.28 | 4.82  | 2.71  | 40.02 | 0.22 | 4.3  | 6.1   | 23.05 | 100.81 | 3        |        |
| A1068    | 0.34 | 21.94 | 8.18  |       | 41.68 | 0.06 | 4.99 | 1.66  | 20.19 | 99.04  | 4        |        |
| A1068    | 0.26 | 20.47 | 7.64  |       | 42.33 | 0.35 | 4.55 | 2.41  | 21.01 | 99.02  | 4        |        |
| A1068    | 0.37 | 19.04 | 7.57  |       | 41.81 | 0.71 | 5.49 | 3.87  | 20.26 | 99.22  | 4        |        |
| A1068    | 0.42 | 20.49 | 5.8   | 2.26  | 40.41 | 0.22 | 4.98 | 3.86  | 20.14 | 98.58  | 5        |        |
| A1068    | 0.45 | 21.26 | 5.24  | 2.42  | 41.29 | 0.01 | 3.66 | 3.48  | 21.89 | 99.7   | 5        |        |
| A1068    | 0.44 | 20.98 | 6.03  | 1.67  | 41.48 | 0    | 4.3  | 3.66  | 21.09 | 99.65  | 5        |        |
| A1068    | 0.44 | 18.63 | 5.28  | 3.34  | 40.29 | 0.02 | 6.16 | 5.98  | 19.38 | 99.51  | 5        |        |
| A1068    | 0.4  | 18.96 | 5.77  | 2.51  | 40.03 | 0.02 | 6.1  | 5.78  | 19.02 | 98.59  | 5        |        |
| A1068    | 0.36 | 19.1  | 6.58  | 1.08  | 40.92 | 0.11 | 4.79 | 5.36  | 20.16 | 98.44  | 5        |        |
| A1068    | 0.51 | 18.98 | 5.52  | 2.58  | 40.43 | 0.08 | 4.71 | 5.61  | 20.37 | 98.79  | 5        |        |
| A1068    | 0.44 | 19.32 | 5.82  | 2.74  | 40.05 | 0.19 | 5.27 | 5.42  | 19.64 | 98.89  | 5        |        |
| A1068    | 0.54 | 19.11 | 5.66  | 3.29  | 40.15 | 0.22 | 5.1  | 5.41  | 19.88 | 99.36  | 5        |        |
| A1068    | 0.41 | 19.18 | 6     | 2.45  | 40.41 | 0.23 | 5.15 | 5.63  | 19.9  | 99.36  | 5        |        |
| A1068    | 0.49 | 19.17 | 6.22  | 2.51  | 40.02 | 0.26 | 5.25 | 5.39  | 19.41 | 98.72  | 5        |        |
| A1068    | 0.47 | 19.28 | 4.27  | 3.22  | 39.95 | 0.27 | 4.48 | 4.86  | 21.07 | 97.87  | 5        |        |
| A1069    | 0.49 | 18.77 | 6.7   | 1.58  | 40.74 | 0.03 | 6.16 | 5.89  | 18.88 | 98.24  | 5        |        |
| A1069    | 0.46 | 18.16 | 6.01  | 2.31  | 40.03 | 0.04 | 6.45 | 6.53  | 18.62 | 98.61  | 5        |        |
| A1069    | 0.44 | 18.74 | 6.97  | 1.12  | 40.76 | 0.04 | 6.41 | 6.35  | 18.61 | 99.44  | 5        |        |
| A1121    | 0.42 | 19.87 | 5.39  | 2.78  | 40.73 | 0.25 | 4.41 | 6.05  | 19.45 | 99.35  | 3        |        |
| A1121    | 0.39 | 21.55 | 5.31  | 2.15  | 41.35 | 0.02 | 3.54 | 3.51  | 22    | 99.82  | 5        |        |
| A1121    | 0.49 | 20.89 | 5.19  | 2.56  | 40.77 | 0    | 4.49 | 3.66  | 20.93 | 98.98  | 5        |        |
| A1121    | 0.39 | 20.85 | 5.44  | 2.44  | 40.81 | 0.01 | 3.88 | 3.42  | 21.34 | 98.58  | 5        |        |
| A1128    | 0.55 | 18.85 | 5.92  | 2.04  | 41.2  | 0.1  | 5    | 5.93  | 20.48 | 100.07 | 5        |        |
| A1128    | 0.42 | 18.96 | 4.45  | 3.43  | 39.85 | 0.15 | 4.94 | 5.82  | 20.5  | 98.42  | 5        |        |
| A1128    | 0.45 | 18.92 | 4.64  | 3.32  | 39.74 | 0.12 | 4.88 | 5.79  | 20.36 | 98.22  | 5        |        |
| A1131    | 0.36 | 19.63 | 5.61  | 3.05  | 39.99 | 0.19 | 4.39 | 6.01  | 19.91 | 99.14  | 3        |        |
| A1131    | 0.36 | 19.63 | 5.21  | 2.45  | 40.77 | 0.26 | 4.53 | 4.79  | 21.07 | 99.27  | 5        |        |
| A1131    | 0.42 | 19.52 | 3.93  | 3.95  | 39.99 | 0.26 | 4.62 | 4.91  | 21.18 | 98.78  | 5        |        |
| A1131    | 0.41 | 19.78 | 4.83  | 2.92  | 40.79 | 0.28 | 4.56 | 4.71  | 21.28 | 99.56  | 5        |        |
| A1159    | 0.45 | 19.7  | 5.07  | 2.54  | 40.24 | 0.29 | 4.76 | 6.08  | 20.69 | 99.82  | 3        |        |
| A1167    | 0.15 | 22.74 | 7.34  | 0     | 42.25 | 0    | 4.21 | 2.81  | 20.59 | 100.09 | 3        | center |
| A1167    | 0.34 | 22.74 | 7.67  | 0     | 42.37 | 0    | 4.29 | 2.56  | 20.13 | 100.1  | 3        | rim    |
| A1175    | 0.49 | 22.84 | 10.88 | 2.3   | 40.38 | 0.42 | 4.67 | 0.51  | 17.48 | 99.95  | 3        | rim    |
| A1175    | 0.43 | 22.86 | 10.5  | 2.7   | 39.87 | 0.63 | 5.04 | 0.6   | 17.34 | 99.99  | 3        | center |
| A1175    | 0.13 | 20.12 | 6.23  | 0.71  | 41.62 | 0    | 2.6  | 6.08  | 22.5  | 99.99  | 3        | center |
| A1175    | 0.12 | 20.33 | 5.41  | 1.96  | 40.94 | 0    | 2.81 | 6.06  | 22.37 | 100    | 3        | rim    |
| A1175    | 0.05 | 23.05 | 7.03  | 1.19  | 41.77 | 0    | 4.95 | 1.45  | 20.51 | 100    | 3        | center |
| A1175    | 0.4  | 20.25 | 5.38  | 2.89  | 40.36 | 0.16 | 4.97 | 4.06  | 20.33 | 98.8   | 5        |        |
| A1175    | 0.39 | 19.09 | 5.93  | 2.63  | 40.16 | 0.2  | 5.28 | 5.34  | 19.7  | 98.72  | 5        |        |
| A1175    | 0.43 | 19.48 | 4.62  | 2.93  | 40.48 | 0.28 | 4.5  | 4.99  | 21.25 | 98.96  | 5        |        |
| A1181    | 0.39 | 19.45 | 5.13  | 2.86  | 40.19 | 0.28 | 5    | 6.17  | 20.29 | 99.76  | 3        |        |
| A1181    | 0.51 | 19.67 | 4.87  | 3.11  | 39.98 | 0.22 | 5.21 | 5.98  | 20.48 | 100.03 | 3        |        |
| A1181    | 0.27 | 21.84 | 5.86  | 2.09  | 41.33 | 0.4  | 4.35 | 2.48  | 21.37 | 99.99  | 3        | center |
| A1181    | 0.06 | 21.21 | 4.45  | 4.05  | 40.75 | 0.48 | 4.59 | 2.63  | 21.75 | 99.97  | 3        | rim    |
| A1181    | 0.04 | 23.61 | 7.3   | 0.83  | 41.62 | 0    | 4.69 | 1.64  | 20.46 | 99.99  | 3        | rim    |
| A1302    | 0.41 | 19.5  | 7.68  | N/A   | 40.8  | 0.15 | 4.42 | 5.88  | N/A   | 99.85  | 6        |        |
| A2016    | 5.52 | 20    | 7.21  |       | 42.09 | 0.04 | 5.52 | 5.52  | 20.05 | 105.95 | 2        |        |
| A2016    | 0.36 | 20.35 | 7.25  |       | 42.1  | 0.18 | 5.01 | 5.15  | 20.42 | 100.82 | 2        |        |
| A2016    | 0.29 | 21.73 | 7.54  |       | 42.03 | 0.31 | 4.18 | 2.61  | 21.01 | 99.71  | 2        |        |
| A2016    | 0.27 | 21.89 | 7.49  |       | 42.27 | 0.3  | 4.24 | 2.5   | 21.17 | 100.13 | 2        |        |
| A2016    | 0.3  | 22.65 | 9.51  |       | 41.97 | 0.05 | 4.12 | 1.49  | 20.07 | 100.16 | 2        |        |
| A2016    | 0.35 | 22.78 | 9.7   |       | 42.28 | 0    | 4.2  | 1.5   | 19.63 | 100.44 | 2        |        |

Sources: 1) GSC, Aranovitch; 2) Carleton University, Jones; 3) University of St.Petersburg, Goutchichine;  
4) Monopros, Smit; 5) University of St.Petersburg; 6) University of St.Petersburg, Knauf

## 7.0 GEOPHYSICS

Fresh kimberlites may contain five to 10 percent iron oxides that generate a strong magnetic signature. As near-surface material weathers it breaks down into an electrically highly-conductive clay-rich horizon. A more modest, but still detectable conductivity anomaly in fresh kimberlites and lamproites is due to serpentinization of olivine. Ideally a kimberlite or lamproite will display a conductivity response coincident with a slightly smaller, strong magnetic response. Magnetic anomalies are not masked by overburden, but merely become broader and more diffuse as the sensor to source distance increases (Urquhart and Hopkins, 1993).

In the Central Gneiss Belt the recognition of magnetic anomalies attributable to kimberlite or lamproite bodies is hampered by the presence of complexly folded gneisses that commonly contain layers of magnetic schist, pyroxenite, and amphibolite. These rocks commonly form oblate masses on fold noses and other pod-like bodies causing magnetic signatures of a size and shape that could also be indicative of kimberlites or lamproites. The challenge in interpretation is not due to the absence of magnetic anomalies that are possibly indicative of kimberlite bodies, but an overabundance of such targets.

Other than the ground-magnetic profile surveys conducted by Bryson-Burke Resources and Burke which are both too restricted and too sparse to be meaningful, the only potentially-useful geophysical data available for the area of the Properties is the 250,000-scale Geological Survey of Canada airborne magnetic survey mapsheet NTS 31K. The data used to generate this map were collected on flight lines flown at 800-meter intervals. This line-spacing is too broad to be expected to detect magnetic bodies of a size reasonably attributable to kimberlite or lamproite intrusives. Despite this inherent limitation, the map does indicate the presence of a north-trending zone of high magnetic response that is at least in part at variance with the regional magnetic pattern that can confidently be attributed to the Grenville gneisses. (Figure 10)

This anomalous trend is parallel to and slightly east of the line of 77° West longitude, between 46° 15' and 46° 45' North latitude. The north end of this trend is a large circular feature that most probably reflects a domal gneiss structure in this area, but to the south, in the area of 46° 30' North, the magnetic response is equally intense and not self-evidently attributable to the gneisses. This portion of the anomalous northerly trend is coincident with Bryson Lake. The significance, if any, of this anomaly is not known and the coarseness of the data does not permit any greater level of inference, however, it does coincide with the postulated source-area for the indicator minerals found immediately south of Bryson Lake. The shaded-relief presentation of this data (Figure 11), appears to indicate a discrete north-trending linear through the axis of this larger magnetic anomaly, perhaps suggestive of a north-trending tectonic structure.

A circular magnetic low feature in the vicinity of Gerland Lake is of potential significance because it is proximal to the location of four samples from this area that contained indicator-minerals (Section 8.1, below).

## 8.0 INTERPRETATION

### 8.1 Geochemistry

Given the nature of the gneisses in the area, consideration must be given to the utility of the indicator-minerals as being uniquely indicative of a potential kimberlite or lamproite source-rock. Both chrome diopside and ilmenite can be expected to occur as normal constituents of some portion of the Grenville gneisses. Garnet also occurs in the gneisses in prodigious amounts, red-brown and pink garnets are most common, although garnets with a range of other colors, including orange, are also abundant. In the absence of chemical analyses, visual identification of pyrope garnets must be considered uncertain.

Two minerals that occur in the indicator-mineral suite that cannot reasonably be attributed to the gneisses in the region are chrome spinel and olivine. As well, the glass and magnetic balls are unusual in the extreme and taken together, the presence of these four indicators is considered to substantiate the validity of the indicator-mineral suite as being potentially indicative of the presence of kimberlite or lamproite source-rocks. Further substantiation is derived from the fact that all indicator-minerals have very similar distributions.

About 12 percent of all samples collected to date within the area of the Properties contain indicator-minerals, including microdiamonds. The majority of these anomalous samples was collected in the area immediately south of Bryson Lake, and southeast of Lamb Lake. The most logical explanation of these restricted distributions and the prevailing occurrence of multiple indicators at any one sample site is that the source or sources, are located up-ice of the anomalous sample sites. The probable up-ice direction in both cases is northerly or northeasterly. Sampling to the north, east, and west of Bryson Lake resulted in the discovery of few, or no, indicator-minerals. It is therefore reasonable to infer that the probable source of the indicator-minerals, microdiamonds, and macrodiamonds found on the south side of Bryson Lake is beneath the lake itself.

A similar inference can be drawn for the anomalies south and southeast of Lamb Lake. Although the area to the north and west of Lamb Lake has not been sampled so as to eliminate this area as a possible source of the indicator-minerals, the most probable source is on the southeast shore or within the immediate vicinity of the lake itself.

The indicator-minerals and microdiamonds that have been found on the bank of the Coulonge River where it is intersected by the paleo-drainage from Bryson Lake are inferred to have been transported there from Bryson Lake. The anomalous samples that were obtained from the north shore of Duval Lake may have been transported to that location from Bryson Lake which is situated about five kilometers directly to the north.

Most other samples that contained indicator-minerals are single-point anomalies. Although they may be indicative of an up-ice diamondiferous source, their scattered and isolated distribution does not permit a meaningful interpretation of their significance.

One possible exception is a two-sample anomaly on the north shore of Gerland Lake about 10 kilometers northwest of the large cluster of anomalous samples on the south shore of Bryson Lake. Both contain pyrope garnet and chrome spinel, but one (A1268) also contains olivine and magnetic balls. Given that all the other samples that contained magnetic balls are closely grouped at the south end of Bryson Lake, this outlier may be important. Two samples (A1243 and A1244) collected relatively nearby, to the south of Gerland Lake, may be related. Both contained abundant indicator minerals that the laboratory notes in the attached database describe as "pyrope-like" garnets. As well, sample A1243 contained a "few chrome diposides and ilmenites". Sample A1244 contained "hundreds of apple-green chrome diposides, ilmenites and one chromite". These samples were collected near the locations of mafic to ultramafic rock noted by Ressources Dianor, and near the circular magnetic low feature described in Section 7.0.

Several aspects of the indicator-mineral suite collected in the area of the Properties warrant discussion. The indicator-mineral suite collected in the Coulonge River area differs in two major respects in comparison with those from sampling programs in other areas of glaciated terrain in Canada (e.g. LeCheminant et al, 1996):

The number of indicator-minerals recovered from all the sample media in the Coulonge River area is extremely low, amounting to probably fewer than one thousand grains from over 700 samples. Overburden-sampling programs in areas of kimberlite occurrences elsewhere in Canada have recovered thousands to tens of thousands of indicator minerals. This difference may be attributable to the nature of the source rock. Kimberlites typically contain abundant xenoliths and xenocrysts, the sources of the resultant indicator minerals. Lamproites are xenolith and xenocryst-poor and therefore contain few indicator-minerals. The paucity of indicator-minerals in the Coulonge River area may be attributable to a lamproitic source rock.

The Coulonge River-area samples contain abundant microdiamonds relative to the number of other indicator-minerals. Although microdiamonds have been unofficially reported to have been found in heavy-mineral samples from the Slave Province, they are unquestionably rare. Microdiamonds did, however, occur in sufficient abundance in heavy-mineral samples collected during the pre-discovery phase of exploration in the Argyle area of northwest Australia to be a useful component of the indicator-mineral suite. ((Janse, 1992) The Argyle deposit is a lamproite and is diamond-rich relative to kimberlites. The abundance of microdiamonds in the heavy-mineral suite found in the Coulonge River area may therefore also be indicative of diamond-rich lamproitic source rocks. The validity of either hypothesis cannot, at this time, be assessed as neither lamproites nor other diamond-bearing rocks are known to exist within the area.

A notable aspect of the Coulonge River microdiamonds is the absence of any whole crystals, which clearly implies that the source diamonds were larger than the fragments recovered. All the documented microdiamonds were identified by Russian geoscientists and it was standard practice for them to crush samples prior to analysis. (D. Burke, personal communication) It is therefore possible that destruction of whole diamonds occurred during crushing, however, fragmentation as a result of glacial transport is a more reasonable possibility.

Four of the five macrodiamonds recovered by Mr. Burke are whole and euhedral octagons which suggests that whole diamonds do exist in the overburden in the Coulonge River area, and therefore that glacial transport did not necessarily destroy all diamonds that became entrained in the glacial material. A possible explanation of the absence of whole microdiamonds and the presence of whole macrodiamonds may reside in the sampling process: The preferred sample grain-size for indicator-mineral analysis was the 0.25 to 0.5 millimeter fraction. (D. Burke personal communication) As described above, the whole macrodiamonds were found in the greater-than-one-millimeter fraction. If the source diamonds are generally or exclusively of a size in excess of 0.5 millimeters, it would be unreasonable to expect that whole microdiamonds would have been recovered from the smaller size fraction. To the writer's knowledge, no analysis of the potential original size of the parent crystals of the microdiamond fragments has been undertaken, and therefore the reasonableness of this putative explanation cannot be assessed.

The presence of rounded coesite grains (glass balls) has been mentioned above in the context of such grains having also been found in the lamproitic Argyle deposit. The presence of these grains in the Coulonge River area heavy-mineral suite constitutes further permissive evidence of the presence of a lamproitic source-rock in this area. Coesite is also a constituent of eclogitic rocks (Berman, R.G. in LeCheminant et al, page 177). Therefore, in addition to being possibly indicative of the presence of lamproite, the presence of coesite in the Coulonge River area heavy-mineral suite may also be suggestive of the near-surface presence of rocks, other than lamproite, that formed at a depth within the diamond-stability field.

## 8.2 Geophysics

Meaningful geophysical data for the area of the Properties is restricted to 1:250,000-scale airborne magnetic survey mapping conducted by the Geological Survey of Canada. Other than by fortuitous coincidence, the 800-meter flightline-spacing of this survey is too coarse to identify potentially diamondiferous intrusives that can be expected to have dimensions on the order of several hundred meters. However, several features of the regional magnetic pattern are considered to reinforce the potential indicated by the indicator-mineral distributions.

The possibility that the area of high magnetic intensity coincident with Bryson Lake may be indicative of a buried mafic intrusive is entirely inferential but the magnetic high does, at a minimum, suggest that this area is anomalous with respect to the surrounding area. Further, the northerly trend of the regional magnetic high that includes the Bryson Lake anomaly is suggestive of a major structure. The intersection of this trend with the northwest-trending Murtagh Creek Fault in the vicinity of Bryson Lake is interpreted as permissive evidence of a tectonic setting that may have facilitated the emplacement of deep-seated intrusive bodies.

## 9.0 CONCLUSIONS

3929311 Canada Inc. holds 254 non-contiguous mineral claims in 14 separate claim blocks in the Coulonge River area of Pontiac County, Quebec.

This area is underlain by rocks of the Central Gneiss Belt, a portion of the Grenville Geological Province, that have a probable age of about 1.7 billion years.

The Grenville Province evolved as a tectonic mobile belt in which rocks of Proterozoic age were deformed and thrust to the northwest over rocks of Archean age.

This tectonic setting is similar to that which contains the Argyle diamond mine in Australia.

The hostrock for the Argyle Mine is a lamproite and because of the geological similarities, this portion of the Grenville Province is considered to be a permissive environment in which diamond-bearing lamproites may be found.

Overburden geochemical sampling within the present area of the subject Properties has resulted in the discovery of indicator-minerals, including microdiamond fragments and macrodiamonds.

The distribution of the sample sites from which these indicator-minerals were obtained forms several clusters.

The location of one of these clusters of anomalous sample sites immediately south of Bryson Lake, and the absence anomalous sample sites north and east of Bryson Lake, suggests a probable source for the indicator-minerals beneath the lake itself.

By analogy, the distribution of two other clusters of anomalous sample sites, one southeast of Lamb Lake and the other in the vicinity of Gerland Lake suggest, but in a less-definitive manner, that the sources of those anomalies are located in a nearby, up-ice (north to northeast) direction.

Regional aeromagnetic patterns indicate the presence of an area of high, positive magnetic response in the immediate area of Bryson Lake and a concentric magnetic low in the area of Gerland Lake.

The combination of geological setting, geochemical and geophysical anomalies indicates the reasonable possibility that diamond-bearing lamproites and/or eclogites may be found within the claims of 3929311 Canada Inc.

An exploration program designed to better-define the possible location of these source rocks within the Properties is considered warranted.

Concomitant with the conclusion that further exploration is justified, is the equally firm conviction that all future generation of data, in particular the processing of sample material and the identification of indicator-minerals, be conducted by independent agencies of established reputation.

A proposed exploration program and associated budget follows.

## 10.0 RECOMMENDATIONS

The apparent geological merit of the Properties is considered sufficient to warrant further exploration, specifically the program that is set out below.

The most appropriate follow-up to the exploration programs that have been carried out on the Properties to date is considered to be a detailed airborne magnetic-electromagnetic survey in order to identify possible source-rocks for the indicator minerals and diamonds that have been discovered.

The Bryson, Lamb and Gerland Lake areas are considered to be the most prospective and can be covered by a 1,400 line-kilometer helicopter-borne survey flown at a 60-meter line-spacing.

On the presumption that the airborne survey identifies targets that warrant investigation, it is further recommended that a small number of priority targets be located and defined by ground-magnetic surveys. For the purpose of constructing the budget that follows, five (5) targets are recommended for follow-up. It is further estimated that 12 line-kilometers of ground-geophysical surveying, for a total of 60 line-kilometers, will adequately define the selected airborne targets.

Geological prospecting of the selected targets is recommended in conjunction with the ground geophysical surveying.

Drill-testing of the selected targets is recommended as the final stage of this first-phase exploration program. One hole, 80 meters in length, is proposed for each of the five targets, for a total of 400 meters of drilling.

The geophysical surveying and drill-core processing should be contracted to independent agencies of established reputation, in conformity with standard industry practice.

The total budget for this recommended Phase One program is \$201,225 and is itemized below. Monetary units are Canadian dollars.

### PROPOSED EXPLORATION PROGRAM (PHASE ONE) BUDGET

|                                                                                   |                  |
|-----------------------------------------------------------------------------------|------------------|
| 1. Airborne magnetic-electromagnetic survey, 1,400 line-kilometers @ \$84/km..... | \$117,600        |
| 2. Mobilization and Demobilization for airborne survey .....                      | \$8,200          |
| 3. Ground magnetic survey, 60 line-kilometers @\$75/km .....                      | \$4,500          |
| 4. Geological prospecting, 5 days @ \$750/day .....                               | \$5,250          |
| 5. Meals and accommodation, airborne survey, 32 mandays @ \$125/day .....         | \$4,000          |
| 6. Meals and accommodation, ground geophysics, 10 mandays @ \$125/day .....       | \$1,250          |
| 7. Meals and accommodation, geological prospecting, 10 mandays@ \$125/day .....   | \$1,250          |
| 8. Vehicle rental, ground geophysics and geology, 7 days @ \$125/day .....        | \$875            |
| 9. Drilling, 400 meters @ \$100/meter .....                                       | \$40,000         |
|                                                                                   | Subtotal .....   |
|                                                                                   | \$182,925        |
| 10. Contingency @ 10% .....                                                       | \$18,300         |
| <b>TOTAL.....</b>                                                                 | <b>\$201,225</b> |

Greg Z. Mosher, P.Geo.  
April 08, 2002

## 11.0 CERTIFICATE OF AUTHOR

I, Gregory Zale Mosher, of West Vancouver, British Columbia, do hereby certify that:

1) I am a consulting geologist with a business address at 1820 - 29th Street, West Vancouver, British Columbia.

2) I am a graduate of Dalhousie University (B.Sc. Hons., 1970) and McGill University (M.Sc. Applied, 1973)

3) I have practiced my profession in mineral exploration continuously since 1973 (29 years).

4) I am a member in good standing of the Association of Professional Engineers and Geoscientists of British Columbia.

5) I have read the definition of "qualified person" set out in National Instrument 43-101 and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a "qualified person" for the purposes of NI 43-101.

6) I am responsible for the preparation of this technical report titled "Geological Report on the Diamond Exploration Properties of 3929311 Canada Inc." and dated April 8, 2002, relating to said Exploration Properties. I visited said Properties on January 30, 2002 for one day.

7) I have not had prior involvement with the Properties that are the subject of this Technical Report.

8) I am not aware of any material fact or material change with respect to the subject matter of this Technical Report that is not reflected in the Technical Report, of which the omission to disclose same would make the Technical Report misleading.

9) I am independent of both 3929311 Canada Inc. and Leitrim Group Inc. by application of all the tests in Section 1.5 (4) of National Instrument 43-101.

10. I have read National Instrument 43-101 and Form 43-101F and this Technical Report has been prepared in compliance with that Instrument and Form.

11) I consent to the filing of this Technical Report with any stock exchange and other regulatory authority and any publication by them, including electronic publication in the public company files of their websites accessible by the public, of this Technical Report.

Signed and dated this 8th day of April, 2002, at Vancouver, British Columbia.

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G.Z. Mosher, P.Geo.

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**APPENDIX 1: List of Claims**

## APPENDIX 2: Heavy-Mineral Sampling Database

### LEGEND

|                                               |                                                        |
|-----------------------------------------------|--------------------------------------------------------|
| Old Sample #                                  | Original heavy-mineral sample identifier               |
| New Sample                                    | Sample Series used on report maps                      |
| UTM(E/N)                                      | Sample location in UTM coordinates, northing and       |
| easting                                       |                                                        |
| NTS                                           | Map Sheet number                                       |
| Description (Sample medium)                   |                                                        |
|                                               | G.F. Glacio-fluvial                                    |
|                                               | B.T. Basal Till                                        |
|                                               | Stream Stream Sediment                                 |
| Field Notes                                   | Description of sample location, collection process, et |
| cetera                                        |                                                        |
| Claim Block                                   | Not used                                               |
| Block                                         | Claim locator                                          |
| Inex (jig concentration)                      | Y = yes                                                |
| M.I. (Methyl Iodide heavy liquid separation)  | Y = yes                                                |
| Size-classified material:                     |                                                        |
|                                               | 2mm - 1mm G = graded                                   |
|                                               | 1mm - 0.5mm G = graded                                 |
|                                               | 0.5mm - 0.25mm G = graded                              |
|                                               | <0.25mm S = sediment (> clay-size)                     |
| Probe (microprobe)                            | Y = yes                                                |
| Lab Notes                                     | Sample processing observations                         |
| Size .5 - 1mm                                 | Normal size range for mineral picking                  |
| Picked Notes                                  | Grain identifications                                  |
| The following grains were identified, for all | Y = yes (present) 3 = number of grains counted         |
| Diamond                                       |                                                        |
| Pyrope G9                                     |                                                        |
| Pyrope G10                                    |                                                        |
| Total Pyrope                                  |                                                        |
| Chrome Diopside                               |                                                        |
| Ilmenite                                      |                                                        |
| Chrome Spinel                                 |                                                        |
| Zircon                                        |                                                        |
| Olivine                                       |                                                        |
| Gold                                          |                                                        |
| Glass Balls                                   |                                                        |
| Magnetic Balls                                |                                                        |

| CLAIM GROUP     | NTS   | TITLE | CLAIM # | OWNER              | OWNED | EXPIRATION | AREA (Ha) | ROW   | COLUMN |
|-----------------|-------|-------|---------|--------------------|-------|------------|-----------|-------|--------|
| BRYSON-BRANSSAT | 31K06 | CDC   | 1031383 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.34     | X0020 | 0060   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1031384 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.33     | X0021 | 0060   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1031385 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.30     | X0024 | 0060   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1031386 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.29     | X0025 | 0060   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1031496 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.32     | X0022 | 0059   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1031497 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.32     | X0022 | 0060   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1031498 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.31     | X0023 | 0056   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1031499 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.31     | X0023 | 0057   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1031500 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.31     | X0023 | 0058   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1031501 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.31     | X0023 | 0059   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1031502 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.31     | X0023 | 0060   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1031503 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.29     | X0026 | 0055   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1031504 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.29     | X0026 | 0056   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1038278 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.31     | X0023 | 0054   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1038279 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.31     | X0023 | 0055   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1038311 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.33     | X0021 | 0052   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1038312 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.33     | X0021 | 0053   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1038313 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.33     | X0021 | 0059   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1038314 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.32     | X0022 | 0052   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1038315 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.32     | X0022 | 0053   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1038316 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.32     | X0022 | 0054   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1038317 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.32     | X0022 | 0055   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1038318 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.32     | X0022 | 0056   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1038319 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.32     | X0022 | 0057   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1038358 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.29     | X0023 | 0052   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1038359 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.29     | X0023 | 0053   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1038366 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.30     | X0024 | 0053   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1038367 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.30     | X0024 | 0054   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1038368 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.30     | X0024 | 0055   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1038369 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.30     | X0024 | 0056   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1038370 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.30     | X0024 | 0057   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1038371 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.30     | X0024 | 0058   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1038372 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.30     | X0024 | 0059   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1038378 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.30     | X0025 | 0054   |
| BRYSON-BRANSSAT | 31K06 | CDC   | 1038379 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.29     | X0025 | 0055   |

| CLAIM GROUP     | NTS   | TITLE | CLAIM # | OWNER              | OWNED | EXPIRATION | AREA (Ha) | ROW   | COLUMN |
|-----------------|-------|-------|---------|--------------------|-------|------------|-----------|-------|--------|
| BRYSON-BRANSSAT | 31K06 | CDC   | 1038380 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.29     | X0025 | 0058   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031419 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.42     | X0011 | 0010   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031420 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.41     | X0012 | 0010   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031421 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.41     | X0012 | 0011   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031422 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.40     | X0013 | 0010   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031423 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.40     | X0013 | 0011   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031424 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.39     | X0014 | 0010   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031425 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.39     | X0014 | 0011   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031426 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.37     | X0016 | 0007   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031427 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.37     | X0016 | 0008   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031428 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.36     | X0017 | 0008   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031429 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.36     | X0017 | 0007   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031430 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.36     | X0017 | 0008   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031431 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.34     | X0020 | 0001   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031432 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.34     | X0020 | 0002   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031433 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.34     | X0020 | 0003   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031434 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.34     | X0020 | 0004   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031435 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.34     | X0020 | 0005   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031436 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.34     | X0020 | 0006   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031437 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.33     | X0021 | 0001   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031438 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.33     | X0021 | 0002   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031439 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.33     | X0021 | 0003   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031440 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.33     | X0021 | 0004   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031441 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.33     | X0021 | 0005   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031442 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.33     | X0021 | 0006   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031443 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.32     | X0022 | 0001   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031444 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.32     | X0022 | 0002   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031445 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.32     | X0022 | 0003   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031446 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.32     | X0022 | 0004   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031447 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.32     | X0022 | 0005   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031448 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.32     | X0022 | 0006   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031449 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.31     | X0023 | 0001   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031450 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.30     | X0024 | 0001   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1031451 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.29     | X0025 | 0001   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038241 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.37     | X0016 | 0004   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038242 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.36     | X0017 | 0001   |

| CLAIM GROUP     | NTS   | TITLE | CLAIM # | OWNER              | OWNED | EXPIRATION | AREA (Ha) | ROW   | COLUMN |
|-----------------|-------|-------|---------|--------------------|-------|------------|-----------|-------|--------|
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038243 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.36     | X0017 | 0002   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038244 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.36     | X0017 | 0003   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038245 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.36     | X0017 | 0004   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038246 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.36     | X0017 | 0005   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038247 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.36     | X0017 | 0009   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038248 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.36     | X0017 | 0010   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038249 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.36     | X0017 | 0011   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038250 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.36     | X0017 | 0012   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038251 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.36     | X0017 | 0013   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038252 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.36     | X0017 | 0014   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038253 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.36     | X0017 | 0015   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038254 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.36     | X0017 | 0016   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038255 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.36     | X0018 | 0001   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038256 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.36     | X0018 | 0002   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038257 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.36     | X0018 | 0003   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038258 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.36     | X0018 | 0004   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038259 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.35     | X0018 | 0005   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038260 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.35     | X0018 | 0006   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038261 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.35     | X0018 | 0007   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038262 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.35     | X0018 | 0008   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038263 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.35     | X0018 | 0009   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038264 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.35     | X0018 | 0010   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038265 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.35     | X0018 | 0011   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038266 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.35     | X0018 | 0012   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038267 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.35     | X0019 | 0005   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038268 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.35     | X0019 | 0006   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038269 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.35     | X0019 | 0007   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038270 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.34     | X0019 | 0008   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038271 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.34     | X0019 | 0009   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038272 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.34     | X0019 | 0010   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038273 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.34     | X0019 | 0011   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038323 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.35     | X0018 | 0001   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038324 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.35     | X0019 | 0002   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038325 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.35     | X0019 | 0003   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038326 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.35     | X0019 | 0004   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038327 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.34     | X0020 | 0005   |

| CLAIM GROUP     | NTS   | TITLE | CLAIM # | OWNER              | OWNED | EXPIRATION | AREA (Ha) | ROW   | COLUMN |
|-----------------|-------|-------|---------|--------------------|-------|------------|-----------|-------|--------|
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038328 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.33     | X0021 | 0006   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038329 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.33     | X0021 | 0007   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038330 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.33     | X0021 | 0008   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038331 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.32     | X0022 | 0009   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038332 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.32     | X0022 | 0010   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038333 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.32     | X0022 | 0011   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038336 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.31     | X0023 | 0002   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038337 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.31     | X0023 | 0003   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038338 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.31     | X0023 | 0004   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038339 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.31     | X0023 | 0005   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038340 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.31     | X0023 | 0006   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038341 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.31     | X0023 | 0007   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038342 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.31     | X0023 | 0008   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038343 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.31     | X0023 | 0009   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038348 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.30     | X0024 | 0002   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038349 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.30     | X0024 | 0003   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038350 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.30     | X0024 | 0004   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038351 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.30     | X0024 | 0005   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038352 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.30     | X0024 | 0006   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038353 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.30     | X0024 | 0007   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038399 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.39     | X0014 | 0007   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038400 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.39     | X0014 | 0008   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038401 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.39     | X0014 | 0009   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038402 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.38     | X0015 | 0004   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038403 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.38     | X0015 | 0005   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038404 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.38     | X0015 | 0006   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038405 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.38     | X0015 | 0007   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038406 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.38     | X0015 | 0008   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038407 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.38     | X0015 | 0009   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038408 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.38     | X0015 | 0010   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038409 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.38     | X0015 | 0011   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038410 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.37     | X0016 | 0005   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038411 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.37     | X0016 | 0006   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038412 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.37     | X0016 | 0009   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038413 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.37     | X0016 | 0010   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038414 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.37     | X0016 | 0011   |

| CLAIM GROUP     | NTS   | TITLE | CLAIM # | OWNER                  | OWNED        | EXPIRATION      | AREA (Ha)       | ROW   | COLUMN |
|-----------------|-------|-------|---------|------------------------|--------------|-----------------|-----------------|-------|--------|
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038415 | 3929311 CANADA INC     | 100%         | 2003-11-21      | 59.37           | X0016 | 0012   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038416 | 3929311 CANADA INC     | 100%         | 2003-11-21      | 59.37           | X0016 | 0013   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038417 | 3929311 CANADA INC     | 100%         | 2003-11-21      | 59.37           | X0016 | 0014   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038418 | 3929311 CANADA INC     | 100%         | 2003-11-21      | 59.37           | X0016 | 0015   |
| BRYSON-BRANSSAT | 31K07 | CDC   | 1038419 | 3929311 CANADA INC     | 100%         | 2003-11-21      | 59.37           | X0016 | 0016   |
|                 |       |       |         | <b>BRYSON-BRANSSAT</b> | <b>TOTAL</b> | <b>HECTARES</b> | <b>8,782.18</b> |       |        |
|                 |       |       |         |                        |              |                 |                 |       |        |
| COULONGE EAST   | 31K07 | CDC   | 1038334 | 3929311 CANADA INC     | 100%         | 2003-11-21      | 59.31           | X0022 | 0028   |
| COULONGE EAST   | 31K07 | CDC   | 1038335 | 3929311 CANADA INC     | 100%         | 2003-11-21      | 59.31           | X0022 | 0029   |
| COULONGE EAST   | 31K07 | CDC   | 1038346 | 3929311 CANADA INC     | 100%         | 2003-11-21      | 59.30           | X0023 | 0028   |
| COULONGE EAST   | 31K07 | CDC   | 1038347 | 3929311 CANADA INC     | 100%         | 2003-11-21      | 59.30           | X0023 | 0029   |
|                 |       |       |         | <b>COULONGE EAST</b>   | <b>TOTAL</b> | <b>HECTARES</b> | <b>237.22</b>   |       |        |
|                 |       |       |         |                        |              |                 |                 |       |        |
| DEER LAKE       | 31K10 | CDC   | 1038274 | 3929311 CANADA INC     | 100%         | 2003-11-21      | 59.22           | X0003 | 0007   |
| DEER LAKE       | 31K10 | CDC   | 1038275 | 3929311 CANADA INC     | 100%         | 2003-11-21      | 59.22           | X0003 | 0008   |
| DEER LAKE       | 31K10 | CDC   | 1038276 | 3929311 CANADA INC     | 100%         | 2003-11-21      | 59.21           | X0004 | 0007   |
| DEER LAKE       | 31K10 | CDC   | 1038277 | 3929311 CANADA INC     | 100%         | 2003-11-21      | 59.21           | X0004 | 0008   |
|                 |       |       |         | <b>DEER LAKE</b>       | <b>TOTAL</b> | <b>HECTARES</b> | <b>236.86</b>   |       |        |
|                 |       |       |         |                        |              |                 |                 |       |        |
| LAC ARGENT      | 31K11 | CDC   | 1038297 | 3929311 CANADA INC     | 100%         | 2003-11-21      | 59.16           | X0011 | 0040   |
| LAC ARGENT      | 31K11 | CDC   | 1038298 | 3929311 CANADA INC     | 100%         | 2003-11-21      | 59.16           | X0011 | 0041   |
| LAC ARGENT      | 31K11 | CDC   | 1038299 | 3929311 CANADA INC     | 100%         | 2003-11-21      | 59.16           | X0011 | 0042   |
| LAC ARGENT      | 31K11 | CDC   | 1038300 | 3929311 CANADA INC     | 100%         | 2003-11-21      | 59.15           | X0012 | 0040   |
| LAC ARGENT      | 31K11 | CDC   | 1038301 | 3929311 CANADA INC     | 100%         | 2003-11-21      | 59.15           | X0012 | 0041   |
| LAC ARGENT      | 31K11 | CDC   | 1038302 | 3929311 CANADA INC     | 100%         | 2003-11-21      | 59.15           | X0012 | 0042   |
| LAC ARGENT      | 31K11 | CDC   | 1038303 | 3929311 CANADA INC     | 100%         | 2003-11-21      | 59.14           | X0013 | 0038   |
| LAC ARGENT      | 31K11 | CDC   | 1038304 | 3929311 CANADA INC     | 100%         | 2003-11-21      | 59.14           | X0013 | 0039   |
| LAC ARGENT      | 31K11 | CDC   | 1038305 | 3929311 CANADA INC     | 100%         | 2003-11-21      | 59.14           | X0013 | 0040   |
| LAC ARGENT      | 31K11 | CDC   | 1038306 | 3929311 CANADA INC     | 100%         | 2003-11-21      | 59.14           | X0013 | 0041   |
|                 |       |       |         | <b>LAC ARGENT</b>      | <b>TOTAL</b> | <b>HECTARES</b> | <b>591.49</b>   |       |        |
|                 |       |       |         |                        |              |                 |                 |       |        |
| LAC FORANT      | 31K06 | CDC   | 1038356 | 3929311 CANADA INC     | 100%         | 2003-11-21      | 59.32           | X0023 | 0040   |
| LAC FORANT      | 31K06 | CDC   | 1038357 | 3929311 CANADA INC     | 100%         | 2003-11-21      | 59.32           | X0023 | 0041   |
| LAC FORANT      | 31K06 | CDC   | 1038364 | 3929311 CANADA INC     | 100%         | 2003-11-21      | 59.29           | X0024 | 0040   |
| LAC FORANT      | 31K06 | CDC   | 1038365 | 3929311 CANADA INC     | 100%         | 2003-11-21      | 59.29           | X0024 | 0041   |
|                 |       |       |         | <b>LAC FORANT</b>      | <b>TOTAL</b> | <b>HECTARES</b> | <b>237.22</b>   |       |        |

| CLAIM GROUP | NTS   | TITLE | CLAIM # | OWNER              | OWNED | EXPIRATION | AREA (Ha) | ROW   | COLUMN |
|-------------|-------|-------|---------|--------------------|-------|------------|-----------|-------|--------|
| LAC RESOLIN | 31K06 | CDC   | 1038376 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.30     | X0025 | 0046   |
| LAC RESOLIN | 31K06 | CDC   | 1038377 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.30     | X0025 | 0047   |
| LAC RESOLIN | 31K06 | CDC   | 1038383 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.29     | X0026 | 0046   |
| LAC RESOLIN | 31K06 | CDC   | 1038384 | 3929311 CANADA INC | 100%  | 2003-11-21 | 59.29     | X0026 | 0047   |
|             |       |       |         | LAC RESOLIN        | TOTAL | HECTARES   | 237.18    |       |        |
| LAMB LAKE   | 31K06 | CDC   | 1031387 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.29     | X0026 | 0036   |
| LAMB LAKE   | 31K06 | CDC   | 1031388 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.29     | X0026 | 0037   |
| LAMB LAKE   | 31K06 | CDC   | 1031389 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.28     | X0027 | 0031   |
| LAMB LAKE   | 31K06 | CDC   | 1031390 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.28     | X0027 | 0032   |
| LAMB LAKE   | 31K06 | CDC   | 1031391 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.28     | X0027 | 0033   |
| LAMB LAKE   | 31K06 | CDC   | 1031392 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.28     | X0027 | 0034   |
| LAMB LAKE   | 31K06 | CDC   | 1031393 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.28     | X0027 | 0035   |
| LAMB LAKE   | 31K06 | CDC   | 1031394 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.28     | X0027 | 0036   |
| LAMB LAKE   | 31K06 | CDC   | 1031395 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.28     | X0027 | 0037   |
| LAMB LAKE   | 31K06 | CDC   | 1031396 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.28     | X0027 | 0038   |
| LAMB LAKE   | 31K06 | CDC   | 1031397 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.28     | X0027 | 0039   |
| LAMB LAKE   | 31K06 | CDC   | 1031398 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.28     | X0028 | 0031   |
| LAMB LAKE   | 31K06 | CDC   | 1031399 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.28     | X0028 | 0032   |
| LAMB LAKE   | 31K06 | CDC   | 1031400 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.27     | X0028 | 0033   |
| LAMB LAKE   | 31K06 | CDC   | 1031401 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.27     | X0028 | 0034   |
| LAMB LAKE   | 31K06 | CDC   | 1031402 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.27     | X0028 | 0035   |
| LAMB LAKE   | 31K06 | CDC   | 1031403 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.27     | X0028 | 0036   |
| LAMB LAKE   | 31K06 | CDC   | 1031404 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.27     | X0028 | 0037   |
| LAMB LAKE   | 31K06 | CDC   | 1031405 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.27     | X0028 | 0038   |
| LAMB LAKE   | 31K06 | CDC   | 1031406 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.27     | X0028 | 0039   |
| LAMB LAKE   | 31K06 | CDC   | 1031407 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.27     | X0029 | 0031   |
| LAMB LAKE   | 31K06 | CDC   | 1031408 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.27     | X0029 | 0032   |
| LAMB LAKE   | 31K06 | CDC   | 1031409 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.27     | X0029 | 0033   |
| LAMB LAKE   | 31K06 | CDC   | 1031410 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.27     | X0029 | 0034   |
| LAMB LAKE   | 31K06 | CDC   | 1031411 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.27     | X0029 | 0035   |
| LAMB LAKE   | 31K06 | CDC   | 1031412 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.26     | X0029 | 0036   |
| LAMB LAKE   | 31K06 | CDC   | 1031413 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.26     | X0029 | 0037   |
| LAMB LAKE   | 31K06 | CDC   | 1031414 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.26     | X0029 | 0038   |
| LAMB LAKE   | 31K06 | CDC   | 1031415 | 3929311 CANADA INC | 100%  | 2003-10-22 | 59.26     | X0029 | 0039   |

| CLAIM GROUP | NTS   | TITLE | CLAIM # | OWNER              | OWNED        | EXPIRATION      | AREA (Ha)       | ROW   | COLUMN |
|-------------|-------|-------|---------|--------------------|--------------|-----------------|-----------------|-------|--------|
| LAMB LAKE   | 31K06 | CDC   | 1031416 | 3929311 CANADA INC | 100%         | 2003-10-22      | 59.26           | X0029 | 0040   |
| LAMB LAKE   | 31K06 | CDC   | 1031417 | 3929311 CANADA INC | 100%         | 2003-10-22      | 59.25           | X0030 | 0039   |
| LAMB LAKE   | 31K06 | CDC   | 1031418 | 3929311 CANADA INC | 100%         | 2003-10-22      | 59.25           | X0030 | 0040   |
| LAMB LAKE   | 31K06 | CDC   | 1038360 | 3929311 CANADA INC | 100%         | 2003-11-21      | 59.29           | X0024 | 0035   |
| LAMB LAKE   | 31K06 | CDC   | 1038361 | 3929311 CANADA INC | 100%         | 2003-11-21      | 59.29           | X0024 | 0036   |
| LAMB LAKE   | 31K06 | CDC   | 1038362 | 3929311 CANADA INC | 100%         | 2003-11-21      | 59.29           | X0024 | 0037   |
| LAMB LAKE   | 31K06 | CDC   | 1038363 | 3929311 CANADA INC | 100%         | 2003-11-21      | 59.29           | X0024 | 0038   |
| LAMB LAKE   | 31K06 | CDC   | 1038373 | 3929311 CANADA INC | 100%         | 2003-11-21      | 59.30           | X0025 | 0030   |
| LAMB LAKE   | 31K06 | CDC   | 1038374 | 3929311 CANADA INC | 100%         | 2003-11-21      | 59.30           | X0025 | 0031   |
| LAMB LAKE   | 31K06 | CDC   | 1038375 | 3929311 CANADA INC | 100%         | 2003-11-21      | 59.30           | X0025 | 0035   |
| LAMB LAKE   | 31K06 | CDC   | 1038381 | 3929311 CANADA INC | 100%         | 2003-11-21      | 59.29           | X0026 | 0030   |
| LAMB LAKE   | 31K06 | CDC   | 1038382 | 3929311 CANADA INC | 100%         | 2003-11-21      | 59.29           | X0026 | 0031   |
| LAMB LAKE   | 31K06 | CDC   | 1038385 | 3929311 CANADA INC | 100%         | 2003-11-21      | 59.28           | X0028 | 0030   |
| LAMB LAKE   | 31K06 | CDC   | 1038386 | 3929311 CANADA INC | 100%         | 2003-11-21      | 59.27           | X0029 | 0029   |
| LAMB LAKE   | 31K06 | CDC   | 1038387 | 3929311 CANADA INC | 100%         | 2003-11-21      | 59.27           | X0029 | 0030   |
|             |       |       |         | <b>LAMB LAKE</b>   | <b>TOTAL</b> | <b>HECTARES</b> | <b>2,808.16</b> |       |        |
|             |       |       |         |                    |              |                 |                 |       |        |
| LYNCH LAKE  | 31K06 | CDC   | 1038307 | 3929311 CANADA INC | 100%         | 2003-11-21      | 59.38           | X0016 | 0054   |
| LYNCH LAKE  | 31K06 | CDC   | 1038308 | 3929311 CANADA INC | 100%         | 2003-11-21      | 59.38           | X0016 | 0055   |
| LYNCH LAKE  | 31K06 | CDC   | 1038309 | 3929311 CANADA INC | 100%         | 2003-11-21      | 59.37           | X0017 | 0054   |
| LYNCH LAKE  | 31K06 | CDC   | 1038310 | 3929311 CANADA INC | 100%         | 2003-11-21      | 59.37           | X0017 | 0055   |
|             |       |       |         | <b>LYNCH LAKE</b>  | <b>TOTAL</b> | <b>HECTARES</b> | <b>237.50</b>   |       |        |
|             |       |       |         |                    |              |                 |                 |       |        |
| MOORHEAD    | 31K11 | CDC   | 1038283 | 3929311 CANADA INC | 100%         | 2003-11-21      | 59.24           | X0003 | 0013   |
| MOORHEAD    | 31K11 | CDC   | 1038284 | 3929311 CANADA INC | 100%         | 2003-11-21      | 59.24           | X0003 | 0014   |
| MOORHEAD    | 31K11 | CDC   | 1038287 | 3929311 CANADA INC | 100%         | 2003-11-21      | 59.23           | X0004 | 0012   |
| MOORHEAD    | 31K11 | CDC   | 1038288 | 3929311 CANADA INC | 100%         | 2003-11-21      | 59.23           | X0004 | 0013   |
| MOORHEAD    | 31K11 | CDC   | 1038289 | 3929311 CANADA INC | 100%         | 2003-11-21      | 59.22           | X0005 | 0012   |
| MOORHEAD    | 31K11 | CDC   | 1038290 | 3929311 CANADA INC | 100%         | 2003-11-21      | 59.21           | X0006 | 0012   |
| MOORHEAD    | 31K11 | CDC   | 1038291 | 3929311 CANADA INC | 100%         | 2003-11-21      | 59.21           | X0006 | 0013   |
| MOORHEAD    | 31K11 | CDC   | 1038292 | 3929311 CANADA INC | 100%         | 2003-11-21      | 59.21           | X0006 | 0014   |
| MOORHEAD    | 31K11 | CDC   | 1038293 | 3929311 CANADA INC | 100%         | 2003-11-21      | 59.20           | X0007 | 0011   |
| MOORHEAD    | 31K11 | CDC   | 1038294 | 3929311 CANADA INC | 100%         | 2003-11-21      | 59.20           | X0007 | 0012   |
| MOORHEAD    | 31K11 | CDC   | 1038295 | 3929311 CANADA INC | 100%         | 2003-11-21      | 59.20           | X0007 | 0013   |
| MOORHEAD    | 31K11 | CDC   | 1038296 | 3929311 CANADA INC | 100%         | 2003-11-21      | 59.20           | X0007 | 0014   |
|             |       |       |         | <b>MOORHEAD</b>    | <b>TOTAL</b> | <b>HECTARES</b> | <b>710.69</b>   |       |        |

| CLAIM GROUP                 | NTS   | TITLE | CLAIM # | OWNER                     | OWNED        | EXPIRATION        | AREA (Ha)        | ROW             | COLUMN |
|-----------------------------|-------|-------|---------|---------------------------|--------------|-------------------|------------------|-----------------|--------|
| SKUNK LAKE                  | 31K06 | CDC   | 1038388 | 3929311 CANADA INC        | 100%         | 2003-11-21        | 59.26            | X0030           | 0024   |
| SKUNK LAKE                  | 31K11 | CDC   | 1038280 | 3929311 CANADA INC        | 100%         | 2003-11-21        | 59.25            | X0001           | 0024   |
| SKUNK LAKE                  | 31K11 | CDC   | 1038281 | 3929311 CANADA INC        | 100%         | 2003-11-21        | 59.24            | X0002           | 0023   |
| SKUNK LAKE                  | 31K11 | CDC   | 1038282 | 3929311 CANADA INC        | 100%         | 2003-11-21        | 59.24            | X0002           | 0024   |
| SKUNK LAKE                  | 31K11 | CDC   | 1038285 | 3929311 CANADA INC        | 100%         | 2003-11-21        | 59.23            | X0003           | 0023   |
| SKUNK LAKE                  | 31K11 | CDC   | 1038286 | 3929311 CANADA INC        | 100%         | 2003-11-21        | 59.23            | X0003           | 0024   |
|                             |       |       |         | <b>SKUNK LAKE</b>         | <b>TOTAL</b> | <b>HECTARES</b>   | <b>366.46</b>    |                 |        |
| SWARTZ LAKE                 | 31K07 | CDC   | 1038344 | 3929311 CANADA INC        | 100%         | 2003-11-21        | 59.31            | X0023           | 0014   |
| SWARTZ LAKE                 | 31K07 | CDC   | 1038345 | 3929311 CANADA INC        | 100%         | 2003-11-21        | 59.31            | X0023           | 0015   |
| SWARTZ LAKE                 | 31K07 | CDC   | 1038354 | 3929311 CANADA INC        | 100%         | 2003-11-21        | 59.30            | X0024           | 0014   |
| SWARTZ LAKE                 | 31K07 | CDC   | 1038355 | 3929311 CANADA INC        | 100%         | 2003-11-21        | 59.30            | X0024           | 0015   |
|                             |       |       |         | <b>SWARTZ LAKE</b>        | <b>TOTAL</b> | <b>HECTARES</b>   | <b>237.22</b>    |                 |        |
| UN-NAMED                    | 31K07 | CDC   | 1038394 | 3929311 CANADA INC        | 100%         | 2003-11-21        | 59.40            | X0013           | 0004   |
| UN-NAMED                    | 31K07 | CDC   | 1038395 | 3929311 CANADA INC        | 100%         | 2003-11-21        | 59.40            | X0013           | 0013   |
| UN-NAMED                    | 31K07 | CDC   | 1038396 | 3929311 CANADA INC        | 100%         | 2003-11-21        | 59.40            | X0013           | 0014   |
|                             |       |       |         | <b>UN-NAMED</b>           | <b>TOTAL</b> | <b>HECTARES</b>   | <b>178.20</b>    |                 |        |
| WRIGHT LAKE                 | 31K07 | CDC   | 1038389 | 3929311 CANADA INC        | 100%         | 2003-11-21        | 59.41            | X0011           | 0027   |
| WRIGHT LAKE                 | 31K07 | CDC   | 1038390 | 3929311 CANADA INC        | 100%         | 2003-11-21        | 59.41            | X0011           | 0028   |
| WRIGHT LAKE                 | 31K07 | CDC   | 1038391 | 3929311 CANADA INC        | 100%         | 2003-11-21        | 59.40            | X0011           | 0026   |
| WRIGHT LAKE                 | 31K07 | CDC   | 1038392 | 3929311 CANADA INC        | 100%         | 2003-11-21        | 59.40            | X0012           | 0027   |
| WRIGHT LAKE                 | 31K07 | CDC   | 1038393 | 3929311 CANADA INC        | 100%         | 2003-11-21        | 59.40            | X0012           | 0028   |
| WRIGHT LAKE                 | 31K07 | CDC   | 1038397 | 3929311 CANADA INC        | 100%         | 2003-11-21        | 59.39            | X0013           | 0027   |
| WRIGHT LAKE                 | 31K07 | CDC   | 1038398 | 3929311 CANADA INC        | 100%         | 2003-11-21        | 59.39            | X0013           | 0028   |
|                             |       |       |         | <b>WRIGHT LAKE</b>        | <b>TOTAL</b> | <b>HECTARES</b>   | <b>416.80</b>    |                 |        |
| EFFECTIVE FEBRUARY 11, 2002 |       |       |         | <b>TOTAL CLAIMS = 264</b> |              | <b>TOTAL AREA</b> | <b>16,066.07</b> | <b>HECTARES</b> |        |

| Old Sample | New Sample | UTM (E/N)                | NTS   | Description | Field Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Churn Block | Block | Heat | M.L. | 2mm-1mm | 1mm-5mm | .5mm-.25mm | <.25mm | Probe | Lab Notes | Size .5-1mm | Picked Notes | Diamond                                                                  | Pyrope G9 | Pyrope G10                                                                                          | Total Pyrope | Chromite Diopside | Ilmenite | Chromite/Spinel | Zircon | Olivine | Gold | Glass Balls | Magnetic Balls |  |
|------------|------------|--------------------------|-------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|------|------|---------|---------|------------|--------|-------|-----------|-------------|--------------|--------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------|--------------|-------------------|----------|-----------------|--------|---------|------|-------------|----------------|--|
| 3000N      | A1000      | N 5154734 m, 18 342568 m | 31K11 | G.F.        | A ; B; poorly devel, orange bln w/ many cobbles, s.s; G.F. seeds, yellow bln, poorly sorted, ~55% clasts to 15cm; subrounded, minor subangular; coarse sandy matrix; 90 lbs, 1/4" mesh; clearing raspberry meadow, lots of bear signs; c/p 5116 448-1, 450-4 is 1500' 50m from here in shoreline                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |             | 7-1   | Y    | Y    |         |         |            | S      |       |           |             |              |                                                                          |           |                                                                                                     |              |                   |          |                 |        |         |      |             |                |  |
| V1000A     | A1001      |                          |       |             | Stream across road, 2 km north of V1005 up hill; rocky road north of road going north to maniwaki turn off                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |       |      |      |         |         |            |        |       |           |             |              |                                                                          |           |                                                                                                     |              |                   |          |                 |        |         |      |             |                |  |
| 3000O      | A1002      | N 5163194 m, 18 342807 m | 31K11 | G.F. sand   | Pit to 1 m in well sorted GF sands; fine grained yellow sand begins @ 60 cm and gets greyer down-hole; several large angular clasts of gneiss (hbls) from cover o/c nearby; 120 lbs., no screen; WP 5116472-2 100 mE, 6473-3 100m S; 6481-4 100m S; ~ 150 m E along shore from landing site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             | 7-1   | Y    | Y    | G       | G       | G          | S      |       |           |             |              |                                                                          |           |                                                                                                     |              |                   |          |                 |        |         |      |             |                |  |
| 4058       | A1003      | N 5109303 m, 18 346311 m | 31K02 | fluvial     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             | 3-2   | Y    | Y    |         |         |            | S      |       |           |             |              |                                                                          |           |                                                                                                     |              |                   |          |                 |        |         |      |             |                |  |
| 4057       | A1004      | N 5105360 m, 18 346999 m | 31K02 | ablation    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             | 3-2   | Y    | Y    |         |         |            | S      |       |           |             |              |                                                                          |           |                                                                                                     |              |                   |          |                 |        |         |      |             |                |  |
| 4056       | A1005      | N 5102498 m, 18 350329 m | 31K02 | fluvial     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             | 2-3   | Y    | Y    |         |         |            | S      |       |           |             |              |                                                                          |           |                                                                                                     |              |                   |          |                 |        |         |      |             |                |  |
| 4012       | A1006      | N 5146929 m, 18 374599 m | 31K07 | fluvial ?   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             | 10-5  | Y    |      |         |         |            | S      |       |           |             |              |                                                                          |           |                                                                                                     |              |                   |          |                 |        |         |      |             |                |  |
| 3005       | A1007      | N 5124011 m, 18 365215 m | 31K07 | B.T.        | Basal till, small borrow pit, grab sample; high silt, yellow, orange, subang. Angular gneissic clasts; 40 kg, no mesh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             | 7-13  | Y    | Y    | G       | G       | G          | S      |       |           |             |              |                                                                          |           |                                                                                                     |              |                   |          |                 |        |         |      |             |                |  |
| 3008       | A1008      | N 5124815 m, 18 368207 m | 31K07 | G.F.        | GF seeds; yellow grey, med sand; clasts subround-round gneissic to 15-20cm; 40kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |             | 7-13  | Y    | Y    |         |         |            |        |       |           |             |              | Chromites, ilmenites, chrome diopside some garnets that could be pyropes |           |                                                                                                     |              |                   |          |                 |        |         |      |             |                |  |
| J407       | A1009      | N 5125293 m, 18 346513 m | 31K06 |             | Jim Lake road at stream that empties into the Noire River                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |       |      |      |         |         |            |        |       |           |             |              | Too small for rel %, very few heavies                                    |           |                                                                                                     |              |                   |          |                 |        |         |      |             |                |  |
| K-302      | A1010      | N 5125318 m, 18 348514 m |       |             | Stream off Jim lake road - shallow west side of road, flowing to west, alt. 960 ft; screened sample West side of road near stream Rapide de L'ours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             |       |      |      |         |         |            |        |       |           |             |              |                                                                          |           |                                                                                                     |              |                   |          |                 |        |         |      |             |                |  |
| 3007       | A1011      | N 5125703 m, 18 368313 m | 31K07 | G.F.        | see as 3006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             | 7-11  | Y    | Y    | G       | G       | G          |        |       |           |             |              |                                                                          |           |                                                                                                     |              |                   |          |                 |        |         |      |             |                |  |
| 3003G      | A1012      | N 5126024 m, 18 345822 m | 31K08 | G.F.        | Borrowpit just up logging trail from Jim Lake Road: STANDARD SAMPLE: GF seeds-all size fractions well rounded; 40 kg 4 mm; flow direction 1680 to 220; braided channel; excellent sample; gneissic clasts. Fluvial 6m. Sample washing. Color brown. HCL % OS: average, % GV: large, % COS average, % Pan: average. 50%. Remarks - large GV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             | 6-3   | Y    | Y    |         |         |            | S      |       |           |             |              |                                                                          |           |                                                                                                     |              |                   |          |                 |        |         |      |             |                |  |
| 3003F      | A1013      | N 5128497 m, 18 347803 m | 31K07 | G.F.        | GF seeds; orange brown to grey colour; ~ 10% clasts; gneissic; subrounded; very low clay content mostly med gnd sand; 40 kg 4 mm; good sample; striae 4 @ 1520, 1 @ 1760; o/c 480 278; QFG w. mafic interbeds; ++ microcline, gtz. Till sized, +8mm retained. Sample washing. Color: light brown. HCL %OS, GV, COS = average. %PAN large. Remarks; pan portion large, heavies few. MAG rich. 5-1, mostly garnets, plnk, orange.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             | 7-1   | Y    | Y    |         |         |            | S      |       |           |             |              |                                                                          |           |                                                                                                     |              |                   |          |                 |        |         |      |             |                |  |
| 3003E      | A1014      | N 5127203 m, 18 351802 m | 31K07 | G.F.        | Taken on road to L. Duval; GF seeds, large cut; ~30% clasts, rounded gneissic; size to 10cm; till is orange brown colour; great deal of surface; winnowing here: BKIM SAMPLE; 40 kg 4 mm. GOOD SAMPLE; just south down rd from 3003E is o/c; sulphide bearing gneiss; limonitic and sulphitic gossan, greenish grey patches, areas of o/c appear schistose; local pockets of glauconite material (tot 1.5m); looks like a metased; suphite swell on fresh surface; sample o/c 3003E; 3003E stream 510247; pan (bulk) sample from creek draining gossan gneiss, ~30 lbs lg. predom.; to be panned at camp; o/c 484270; banded QFG+MG; 10 cm distal offset in peg vein; fault strikes 1040; glacial groove @1880, @1630; 2 cm sinistral offset, fault strike 840. Uniform sample clean, possible fluvial deposit; red brown oxidation, o/c flow in linear cliff 50 T (Flow NE); Location of deposit on inside channel. O/c 3003 E collect for panning and drainage from old area, extensive limonitic; gossan on marble gneiss?; M sed?; area of limonitic gossan extends from about 200m S of 3003E to a stream at a X. Colour |             | 7-1   | Y    | Y    |         |         | S          |        |       |           |             |              |                                                                          |           | Very bright chrome diopside (the brightest I have ever seen) No pyropes... basically a bland sample |              |                   |          |                 |        |         |      |             |                |  |
| 3003H      | A1015      | N 5127572 m, 18 343910 m | 31K06 | G.F.        | GF seeds; washed from poor cut into bottom of l... ground; grey, vfg w/ ~ 5% clasts; rounded-subrounded gneiss; 40 kg no mesh, wet poor-mod sample; poss. Striae @ 147 on small Qfg w/ mafic interbeds, not sized, silt rich. Color: grey-green, light buff wash, with oxidized org patches. HCL - none; %o/c - 1/3 equal, % Gv 1/3 equal, % COS 1/3, % material in pan; garnets - high, minor ferro Mag, minor Mag; 80-90% reduction in sample size; sample extremely reduced; remarks: 2 palls =75%, compacts well, high silt component                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             | 6-3   | Y    | Y    | G       | G       | G          | S      |       |           |             |              |                                                                          |           |                                                                                                     |              |                   |          |                 |        |         |      |             |                |  |

| Old Sample | New Sample | UTM (E/N)                | NTS   | Description | Field Notes                                                                                                                                                                                                                                                                                                                                                                                                                 | Chain Block | Block | Test | M.L. | 2mm-1mm | 1mm-.5mm | .5mm-.25mm | <.25mm | Probe Lab Notes | Size .5-1mm | Picked Notes                                                                                                                                                                                                                                                                  | Diamond | Pyrope G8 | Pyrope G10 | Total Pyrope | Chromite Diopside | Ilmenite | Chromite/Spinel | Zircon | Olivine | Gold | Glass Balls | Miscellaneous |
|------------|------------|--------------------------|-------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|------|------|---------|----------|------------|--------|-----------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------|------------|--------------|-------------------|----------|-----------------|--------|---------|------|-------------|---------------|
| 3003I      | A1016      | N 5128022 m, 18 343575 m | 31K06 | B.T.        | Basal till; grey fine-coarse grained; ~10% clasts angular-subangular to 1m size gneissic, 40kg, no mesh; moderate sample. Not sized. Sample washing. Color: gray; HCL, % OS, GV, COS all equal. Bitless. % PAN lots of garnets. Reduce almost by 75%. Silt and Clay. Remarks: calcinonite floe, lots of garnets. Near where black river curves at bottom of 31K07                                                           | 6-2         | Y     | Y    |      |         |          |            | S      |                 |             | Pyrope looking garnets - deep wine red colour. 1pc chromite & 2 ilmenite                                                                                                                                                                                                      |         |           |            |              |                   |          |                 |        |         |      |             |               |
| 3003J      | A1017      | N 5128903 m, 18 342992 m | 31K06 | G.F.        | At Molokuchina Halfway; standard sample; excellent sample; 40kg 4mm. Sample washing. Color: brown. % OS fair. % GV large amount. % COS average. % PAN high garnet (bit amount). 505 retained. Remarks: very high garnet concentration                                                                                                                                                                                       | 6-3         | Y     | Y    |      |         |          |            | S      |                 |             |                                                                                                                                                                                                                                                                               |         |           | Y          |              | Y                 | Y        |                 |        |         |      |             |               |
| 3003K      | A1018      | N 5130702 m, 18 341607 m | 31K06 | G.F.        | Standard sample. GF seeds; side of Jim's lake road-72; excellent sample; 40 kg, 4mm. Not sized. Sample washing. Color brown. HCL. %OS average, % GV large (2 bags), % COS average ( 1/3 bag). % PAN. 55% retained. Remarks: GV very large (2 bags)                                                                                                                                                                          | 6-4         | Y     | Y    |      |         |          |            | S      |                 |             |                                                                                                                                                                                                                                                                               |         |           |            |              |                   |          |                 |        |         |      |             |               |
| 400        | A1019      | N 5130750 m, 18 357930 m | 31K07 | stream      | South end of Lac Bertrand, heavy wash into lake, stream sediment 1/2 lb, not panned Taken from Bertrand Lake West side closest to road                                                                                                                                                                                                                                                                                      |             |       |      |      |         |          |            |        |                 |             |                                                                                                                                                                                                                                                                               |         |           |            |              |                   |          |                 |        |         |      |             |               |
| DS7        | A1020      | N 5130773 m, 18 352807 m | 31K07 |             |                                                                                                                                                                                                                                                                                                                                                                                                                             |             |       |      |      |         |          |            |        |                 |             |                                                                                                                                                                                                                                                                               |         |           |            |              |                   |          |                 |        |         |      |             |               |
| 3004       | A1021      | N 5131123 m, 18 356370 m | 31K07 | beach con.  | N end of Little Devils Rapids; beach sand from between rxn on shore, high heaves content. 20% garnets. Clean sample containing, pink, lilac/pink, very few red, orange and champagne coloured grains. Very little or diopside and apatite. Approx. 4 grains of rounded red/brown garnets. Lots of chromites                                                                                                                 | 7-1         | Y     | Y    |      |         |          |            |        |                 |             | 20% garnets. Clean sample containing pink, lilac/pink, very few red, orange & champagne coloured grains. Very little or diopside & some apatite. Approx. 4 grains of rounded dark red/brown garnets DARK RED-COULD BE PYROPE-VERY FUNNY SURFACE, PINK, RED, AMBER, CHAMPAGNE. |         |           |            |              | Y                 | Y        |                 |        |         |      |             |               |
| V1001      | A1022      | N 5131382 m, 18 371294 m | 31K07 |             | South east shore, east Coulonge, sample from trip to Pendersgast; Kilo; 12 km outcrop on east coulonge; Garner and pan sample                                                                                                                                                                                                                                                                                               |             |       |      |      |         |          |            |        |                 |             |                                                                                                                                                                                                                                                                               |         |           |            |              |                   |          |                 |        |         |      |             |               |
| V1002      | A1023      | N 5131382 m, 18 371294 m | 31K07 |             | Carbonate from same area as V 1001                                                                                                                                                                                                                                                                                                                                                                                          |             |       |      |      |         |          |            |        |                 |             |                                                                                                                                                                                                                                                                               |         |           |            |              |                   |          |                 |        |         |      |             |               |
| 3000I      | A1025      | N 5132504 m, 18 358213 m | 31K07 | G.F. sand   | G.F. Sand; med grained yellow to grey sand; no sed structure; shallow pit on S side of road: 100 lb 1/4"                                                                                                                                                                                                                                                                                                                    | 7-1         | Y     | Y    | C    | C       | C        | S          |        |                 |             |                                                                                                                                                                                                                                                                               |         |           |            |              |                   |          |                 |        |         |      |             |               |
| 3003L      | A1028      | N 5132605 m, 18 340665 m | 31K06 | B.T.        | Basal till, eos as 3003 I but ~20% clasts +more sand; 40 kg no mesh. Not sized. Sample washing. Color: grey. HCL. % OS Large, not screened in field. % GV large 1/4-1/3 bag; % COS average (1/4 bag); % Pan: good garnets, good Mag. Remarks 40 retained, large GV retained                                                                                                                                                 | 6-4         | Y     | Y    |      |         |          |            | S      |                 |             |                                                                                                                                                                                                                                                                               |         |           |            |              |                   |          |                 |        |         |      |             |               |
| 807        | A1027      | N 5132605 m, 18 358937 m | 31K07 |             |                                                                                                                                                                                                                                                                                                                                                                                                                             |             |       |      |      |         |          |            |        |                 |             |                                                                                                                                                                                                                                                                               |         |           |            |              |                   |          |                 |        |         |      |             |               |
| 404        | A1028      | N 5132612 m, 18 358292 m | 31K07 | stream      | Creek west of Wright Lakes, 1/2 way between coulonge + wright lake, south side of road, near lunch creek                                                                                                                                                                                                                                                                                                                    |             |       |      |      |         |          |            |        |                 |             |                                                                                                                                                                                                                                                                               |         |           |            |              |                   |          |                 |        |         |      |             |               |
| DS5        | A1029      | N 5132689 m, 18 351076 m | 31K07 |             |                                                                                                                                                                                                                                                                                                                                                                                                                             |             |       |      |      |         |          |            |        |                 |             |                                                                                                                                                                                                                                                                               |         |           |            |              |                   |          |                 |        |         |      |             |               |
| 808        | A1030      | N 5132689 m, 18 357407 m | 31K07 |             |                                                                                                                                                                                                                                                                                                                                                                                                                             |             |       |      |      |         |          |            |        |                 |             |                                                                                                                                                                                                                                                                               |         |           |            |              |                   |          |                 |        |         |      |             |               |
| 820        | A1031      | N 5132923 m, 18 356817 m | 31K07 | Rock        | Outcrop, north side road, K 56, north side of Wright lake, west of the lake                                                                                                                                                                                                                                                                                                                                                 |             |       |      |      |         |          |            |        |                 |             |                                                                                                                                                                                                                                                                               |         |           |            |              |                   |          |                 |        |         |      |             |               |
| 3000H      | A1032      | N 5133005 m, 18 359904 m | 31K07 | G.F.        | Large borrow pit on N side of road, N of Wright lake; glaciofluvial; casts round to subangular, some to 2m gneissish sub horz. Bedding, clasts ~30%; grey brown to yellow; ~180lb sample 1/4"                                                                                                                                                                                                                               | 7-1         | Y     | Y    | C    | C       | C        | S          |        |                 |             |                                                                                                                                                                                                                                                                               |         |           |            |              |                   |          |                 |        |         |      |             |               |
| 3000E      | A1033      | N 5133012 m, 18 366503 m | 31K07 | G.F.        | Till sample; 80 pounds screened to 1/4"; 85% clasts; clasts to 80 cm; clasts subrounded to subangular; all gneissic; Road cut ~80 cm in height, dark orange brown till, lighter yellow brown toward top; this may be fill for the road; no sed structure observed; other side of road from sample is o/c? M. Gneissic; heavily fractured; Diorite likely a boulder is exposed ~ 1/2 way down the pit; lots of pyroxene here | 7-11        | Y     | Y    | C    | C       | C        | S          |        |                 |             |                                                                                                                                                                                                                                                                               |         |           |            |              |                   |          |                 |        |         |      |             |               |
| 3000F      | A1034      | N 5133218 m, 18 364904 m | 31K07 | G.F. sand   | Glaciofluvial sand; med to coarse fgrained; ~ 5% clasts; layer of clay in sand ~ 5% thick; subhorizontal; sand is brown-yellow to ~1m depth, then gray; Road cut, N side of road near east end of L. Wright; 120 lbs sample, not screened; clasts to 30 cm; rounded to subrounded                                                                                                                                           | 7-1         | Y     | Y    | C    | C       | C        | S          |        |                 |             |                                                                                                                                                                                                                                                                               |         |           |            |              |                   |          |                 |        |         |      |             |               |
| 401        | A1035      | N 5133406 m, 18 364001 m | 31K07 | stream      | Stream flowing into lake wright km 50 from otter lake 1 lb two bags, not panned Sample contains pyrope. North East shore, Stream leading into Wright Lake                                                                                                                                                                                                                                                                   |             |       |      |      |         |          |            |        |                 |             | SAMPLE CONTAINS PYROPE                                                                                                                                                                                                                                                        |         |           | Y          |              |                   |          |                 |        |         |      |             |               |
| 403        | A1036      | N 5133482 m, 18 362272 m | 31K07 | stream      | Km 52+, small stream; 10" wide sediments taken, north of road                                                                                                                                                                                                                                                                                                                                                               |             |       |      |      |         |          |            |        |                 |             |                                                                                                                                                                                                                                                                               |         |           |            |              |                   |          |                 |        |         |      |             |               |
| 903        | A1037      | N 5133500 m, 18 348616 m | 31K07 |             |                                                                                                                                                                                                                                                                                                                                                                                                                             |             |       |      |      |         |          |            |        |                 |             |                                                                                                                                                                                                                                                                               |         |           |            |              |                   |          |                 |        |         |      |             |               |

| Old Sample | New Sample | UTM (E/N)                | NTS   | Description                    | Field Notes                                                                                                                                                                                                                                                                                                                                                                    | Claim Block | Block | Inex | MLL | 2mm-1mm | 1mm-5mm | 5mm-25mm | <25mm | Probe | Lab Notes                                                          | Size .5-1mm | Picked Notes | Diamond | Pyrope G6 | Pyrope G10 | Total Pyrope | Chromite Diopside | Chromite/Spinel | Ilmenite | Zircon | Olivine | Gold | Glass Balls | Magnetic Balls |
|------------|------------|--------------------------|-------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|------|-----|---------|---------|----------|-------|-------|--------------------------------------------------------------------|-------------|--------------|---------|-----------|------------|--------------|-------------------|-----------------|----------|--------|---------|------|-------------|----------------|
| 3003M      | A1038      | N 5133502 m, 18 338710 m | 31K06 | Reworked                       | Reworked till; brown at ox. Layer, grey @ 6" depth; in old road cut; ~10% clasts - size to 80 cm gneiss; fairly compact; fine to med gnd sand in matrix; clasts round to angular; 40 kg. no mesh. Not sized. Sample washing; color grey/brown, HCL; no effect. % CS, GV, CoS, Pan is equal. 80% reduction in sample size. Remarks; looks like need for calgonite, clay shingle |             | 6-2   | Y    | Y   | G       | G       | G        | S     |       |                                                                    |             |              |         |           |            |              |                   |                 |          |        |         |      |             |                |
| 3000G      | A1039      | N 5133608 m, 18 382603 m | 31K07 | G.F. sand                      | Glacioluvial till?; grey-brown silty sand w/ ~ 5% clasts to 40 cm; clasts subround to subangular; borrow pit S side of road N of Wright; no sed. Structure observed; 120 lbs screened 14"                                                                                                                                                                                      |             | 7-1   | Y    | Y   | C       | C       | C        | S     |       |                                                                    |             |              |         |           |            |              |                   |                 |          |        |         |      |             |                |
| 402        | A1040      | N 5133642 m, 18 382604 m | 31K07 | stream                         | Stream sediment north side of Wright lake near stream. North side of Wright Lake center of lake, taken approx 10m South of road                                                                                                                                                                                                                                                |             |       |      |     |         |         |          |       |       |                                                                    |             |              |         |           |            |              |                   |                 |          |        |         |      |             |                |
| 605        | A1041      | N 5133559 m, 18 357184 m | 31K07 |                                |                                                                                                                                                                                                                                                                                                                                                                                |             |       |      |     |         |         |          |       |       |                                                                    |             |              |         |           |            |              |                   |                 |          |        |         |      |             |                |
| 3003N      | A1042      | N 5133805 m, 18 338601 m | 31K06 | G.F.                           | Old borrow pit @ side of J.L. Rd. ; Standard sample; excellent sample; 40 kg 4mm. Sized. Sample washing; color; brown (light), HCL, % CS average, % GV large, % CoS average, % PAN: all high garnet. 605 retained. Remark; high garnet conc.                                                                                                                                   |             | 6-1   | Y    | Y   |         |         |          | S     |       |                                                                    |             |              |         |           |            |              |                   |                 |          |        |         |      |             |                |
| V1006      | A1043      | N 5133959 m, 18 370526 m | 31K07 |                                | Creek running into Est Coulange, 2 km north of V1002; road construction new bridge, panned by Victor, panned west of road 25 meters; geochem and mineral                                                                                                                                                                                                                       |             |       |      |     |         |         |          |       |       |                                                                    |             |              |         |           |            |              |                   |                 |          |        |         |      |             |                |
| T-1        | A1044      | N 5133967 m, 18 352873 m | 31K07 |                                | sample taken at K.D. Lang 50m south west on shore, panned. Ultra mafic outcrop                                                                                                                                                                                                                                                                                                 |             |       |      |     |         |         |          |       |       |                                                                    |             |              |         |           |            |              |                   |                 |          |        |         |      |             |                |
| 604        | A1045      | N 5134811 m, 18 359847 m | 31K07 |                                |                                                                                                                                                                                                                                                                                                                                                                                |             |       |      |     |         |         |          |       |       |                                                                    |             |              |         |           |            |              |                   |                 |          |        |         |      |             |                |
| J23-507    | A1046      | N 5134790 m, 18 352300 m | 31K07 |                                | E shore at opening to circle on duval                                                                                                                                                                                                                                                                                                                                          |             |       |      |     |         |         |          |       |       |                                                                    |             |              |         |           |            |              |                   |                 |          |        |         |      |             |                |
| 111        | A1047      | N 5134862 m, 18 348903 m | 31K07 | stream                         | Two samples from this area both from same location but two samples taken since the soil was good (dark sand). Found pyrope (4 pieces), spinel (chroma), glass and magnetic balls, gold. 50% of sample examined. No diamonds found                                                                                                                                              |             |       |      |     |         |         |          |       |       |                                                                    |             |              |         |           |            |              |                   |                 |          |        |         |      |             |                |
| J23-508    | A1048      | N 5134866 m, 18 352318 m | 31K07 |                                | 25m s of 507                                                                                                                                                                                                                                                                                                                                                                   |             |       |      |     |         |         |          |       |       | Relative %: >1mm: 10%; 1-0.5mm: 30%; 0.5-0.25mm: 30%; <0.25mm: 30% |             |              |         |           |            |              |                   |                 |          |        |         |      |             |                |
| J23-505    | A1049      | N 5134866 m, 18 352336 m | 31K07 |                                | ~50m N along shore from 504                                                                                                                                                                                                                                                                                                                                                    |             |       |      |     |         |         |          |       |       |                                                                    |             |              |         |           |            |              |                   |                 |          |        |         |      |             |                |
| J23-506    | A1050      | N 5134924 m, 18 352362 m | 31K07 |                                | Clay from 2' depth. ~20m S of 504                                                                                                                                                                                                                                                                                                                                              |             |       |      |     |         |         |          |       |       |                                                                    |             |              |         |           |            |              |                   |                 |          |        |         |      |             |                |
| J23-509    | A1051      | N 5134949 m, 18 352362 m | 31K07 |                                | 50m S of 508                                                                                                                                                                                                                                                                                                                                                                   |             |       |      |     |         | Y       |          |       |       |                                                                    |             |              |         |           |            |              |                   |                 |          |        |         |      |             |                |
| J23-504    | A1052      | N 5135006 m, 18 352389 m | 31K07 |                                | Beach sands (1' water). ~100m N of point. E side                                                                                                                                                                                                                                                                                                                               |             |       |      |     |         | Y       |          |       |       |                                                                    |             |              |         |           |            |              |                   |                 |          |        |         |      |             |                |
| 207        | A1053      | N 5135050 m, 18 352034 m | 31K07 | stream                         | Extreme northern shore of the large inlet at Lac Duval. The sample is from the southern most tip of western side of the bay. Found pyrope (1 piece), spinels. 50% of sample examined. 9 diamonds found.                                                                                                                                                                        |             |       |      |     |         |         |          |       |       |                                                                    |             |              |         |           |            |              |                   |                 |          |        |         |      |             |                |
| D64        | A1064      | N 5135094 m, 18 350753 m | 31K07 |                                |                                                                                                                                                                                                                                                                                                                                                                                |             |       |      |     |         |         |          |       |       |                                                                    |             |              |         |           |            |              |                   |                 |          |        |         |      |             |                |
| 4162       | A1055      | N 5135132 m, 18 356412 m | 31K07 | coarse sands                   | Large sample 15% garnets. Deep red almost violet; champagne, pink, amber and red. Some apatite along with or diopside.                                                                                                                                                                                                                                                         |             | 7-1   | Y    |     |         |         |          |       |       |                                                                    |             |              |         |           |            |              |                   |                 |          |        |         |      |             |                |
| 4153       | A1058      | N 5135132 m, 18 356412 m | 31K07 | coarse sands high distribution | Large sample with approx. 20% garnets. Two very dark purplish garnets along with pink, lilac and deep red. One complete crystal - red. No amber.                                                                                                                                                                                                                               |             | 7-1   | Y    |     |         |         |          |       |       |                                                                    |             |              |         |           |            |              |                   |                 |          |        |         |      |             |                |
| 4154       | A1057      | N 5135132 m, 18 356412 m | 31K07 | coarse sands                   | Pink, lilac, and red garnets with brown and amber in less amounts.                                                                                                                                                                                                                                                                                                             |             | 7-1   | Y    |     |         |         |          |       |       |                                                                    |             |              |         |           |            |              |                   |                 |          |        |         |      |             |                |
| 4155       | A1058      | N 5135132 m, 18 356412 m | 31K07 | flat placer                    | Clean sample with approx 15% garnets, garnets are of 8 types in colouration. Interesting champagne and pink stones                                                                                                                                                                                                                                                             |             | 7-1   | Y    |     |         |         |          |       |       |                                                                    |             |              |         |           |            |              |                   |                 |          |        |         |      |             |                |
| 4156       | A1059      | N 5135132 m, 18 356412 m | 31K07 | reworked basal                 |                                                                                                                                                                                                                                                                                                                                                                                |             | 7-1   | Y    |     |         |         |          |       |       |                                                                    |             |              |         |           |            |              |                   |                 |          |        |         |      |             |                |
| AL06001    | A1060      | N 5135146 m, 18 356228 m | 31K07 |                                | Sample taken by Vladimir near the bridge panned by him in the screens with a material a bit bigger.                                                                                                                                                                                                                                                                            |             |       |      |     |         |         |          |       |       |                                                                    |             |              |         |           |            |              |                   |                 |          |        |         |      |             |                |
| 4151       | A1061      | N 5135151 m, 18 356311 m | 31K07 | coarse sands                   | Large clean sample, 15% garnets. Amber, red, cranberry, orange, pinkish, pink, lilac colour. Four red/purplish garnets with sugar, surface could be pyrope. Some apatite with or diopside.                                                                                                                                                                                     |             | 7-1   | Y    |     |         |         |          |       |       |                                                                    |             |              |         |           |            |              |                   |                 |          |        |         |      |             |                |
| 93KY0002   | A1062      | N 5135153 m, 18 356217 m | 31K07 |                                | panned site                                                                                                                                                                                                                                                                                                                                                                    |             |       |      |     |         |         |          |       |       |                                                                    |             |              |         |           |            |              |                   |                 |          |        |         |      |             |                |
| AL06003    | A1063      | N 5135162 m, 18 356218 m | 31K07 |                                | Sample panned by Vladimir north by Coulange river                                                                                                                                                                                                                                                                                                                              |             |       |      |     |         |         |          |       |       |                                                                    |             |              |         |           |            |              |                   |                 |          |        |         |      |             |                |
| E170       | A1064      | N 5135178 m, 18 356337 m |       |                                |                                                                                                                                                                                                                                                                                                                                                                                |             |       |      |     |         |         |          |       |       | 25mm                                                               |             |              |         |           |            |              |                   |                 |          |        |         |      |             |                |

| Old Sample | New Sample | UTM (E/N)                | NTS   | Description   | Field Notes                                                                                                                                                                                                                                                                                                                                                                          | Claim Block | Block | Lease | M.L. | 2mm-16mm | 1mm-5mm | .5mm-.25mm | <.25mm | Probe<br>Lab Notes |  | Size .5-1mm | Picked Notes                                                                                                    | Diamond<br>Pyrope G9 | Pyrope G10 | Total Pyrope | Chromite Diopside<br>Ilmenite | Chromite/Spinel | Zircon | Olivine | Gold | Glass Balls | Magnetic Balls |
|------------|------------|--------------------------|-------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|-------|------|----------|---------|------------|--------|--------------------|--|-------------|-----------------------------------------------------------------------------------------------------------------|----------------------|------------|--------------|-------------------------------|-----------------|--------|---------|------|-------------|----------------|
| J20200     | A1066      | N 5135176 m, 18 356337 m | 31K07 |               | Large rock segments from rock outcropping on same side of Coulange M logging camp                                                                                                                                                                                                                                                                                                    |             |       |       |      |          |         |            |        |                    |  |             |                                                                                                                 |                      |            |              |                               |                 |        |         |      |             |                |
| 93KY00D1   | A1066      | N 5135196 m, 18 356252 m | 31K07 |               | Coarse boulder gravel GF                                                                                                                                                                                                                                                                                                                                                             |             |       |       |      |          |         |            |        |                    |  |             |                                                                                                                 |                      |            |              |                               |                 |        |         |      |             |                |
| 93KY0011   | A1067      | N 5135195 m, 18 356252 m | 31K07 |               |                                                                                                                                                                                                                                                                                                                                                                                      |             |       |       |      |          |         |            |        |                    |  |             |                                                                                                                 |                      |            |              |                               |                 |        |         |      |             |                |
| 208        | A1068      | N 5136212 m, 18 356261 m | 31K07 | stream        | Taken on Coulange river right by bridge next to logging camp, western side of the river. Found diopside (containing chrome), pyropes (11 pieces), spinels, glass and magnetic balls, large micro diamond Approximately + 50 microdiamonds Same location where WGM extracted 18 microdiamonds as independent control sample 100% of sample examined, 56 diamonds found.               |             |       |       |      |          |         |            |        |                    |  |             | 100% OF SAMPLE EXAMINED, FOUND DIOPSIDE, PYROPPES (11 PIECES), MICRODIAMONDS, SPINELS, GLASS AND MAGNETIC BALLS | 56                   |            | 11           | 1                             |                 | Y      |         | Y    | Y           | Y              |
| 803        | A1069      | N 5135212 m, 18 356281 m | 31K07 | till          | North of the bridge, 50'. Sand and pebbles from sand deposit, old sample 208 a control sample was taken here Unknown #1 It contained microdiamonds & pyropes (G9 & G10). 50% of sample examined, 22 diamonds found.                                                                                                                                                                  |             |       |       |      |          |         |            |        |                    |  |             | 50% OF SAMPLE EXAMINED, 22 DIAMONDS FOUND. IT CONTAINED MICRO DIAMONDS AND PYROPPES                             | 22                   |            | Y            |                               |                 |        |         | Y    | Y           | Y              |
| 703        | A1070      | N 5136212 m, 18 356281 m | 31K07 | reworked till | Rx soil, taken at bridge south of big D; ++gls                                                                                                                                                                                                                                                                                                                                       |             |       |       |      |          |         |            |        |                    |  |             |                                                                                                                 |                      |            |              |                               |                 |        |         |      |             |                |
| 704        | A1071      | N 5136212 m, 18 356281 m | 31K07 | reworked till | Same as 703                                                                                                                                                                                                                                                                                                                                                                          |             |       |       |      |          |         |            |        |                    |  |             |                                                                                                                 |                      |            |              |                               |                 |        |         |      |             |                |
| 1101       | A1072      | N 5135212 m, 18 356281 m | 31K07 |               |                                                                                                                                                                                                                                                                                                                                                                                      |             |       |       |      |          |         |            |        |                    |  |             |                                                                                                                 |                      |            |              |                               |                 |        |         |      |             |                |
| AU08007    | A1073      | N 5135253 m, 18 356278 m | 31K07 |               |                                                                                                                                                                                                                                                                                                                                                                                      |             |       |       |      |          |         |            |        |                    |  |             |                                                                                                                 |                      |            |              |                               |                 |        |         |      |             |                |
| 3003O      | A1074      | N 5135307 m, 18 335801 m | 31K08 | G.F.          | Burrow pit; GF seeds; semi-standard sample: ~30-40% clasts, all are rounded to subrounded gneissic size to 30 cm; this boulder sed overlies a layer of sand which is at least 2 m thick; sample matrix yellow brown med-coarse sand; Good sample; 40kg 4mm. Sample washing: Color? HCL %COS, GV, COS average, % PAN low - MAG. Remarks: Pan concentrate very low in size (Magnetite) |             | 8-1   | Y     | Y    |          |         |            | S      |                    |  |             |                                                                                                                 |                      |            |              |                               |                 |        |         |      |             |                |
| 205        | A1075      | N 5135327 m, 18 352484 m | 31K07 | stream        | Taken from north shore of Lake Duval, eastern side of bay. 50% of sample examined, 13 diamonds found                                                                                                                                                                                                                                                                                 |             |       |       |      |          |         |            |        |                    |  |             | 50% OF SAMPLE EXAMINED, 13 DIAMONDS FOUND                                                                       | 13                   |            |              |                               |                 |        |         |      |             |                |
| 93KY00D3   | A1076      | N 5135421 m, 18 356350 m | 31K07 |               | med - coarse gray brown sand glacioclastic sediment                                                                                                                                                                                                                                                                                                                                  |             |       |       |      |          |         |            |        |                    |  |             |                                                                                                                 |                      |            |              |                               |                 |        |         |      |             |                |
| J23-500    | A1077      | N 5135472 m, 18 352043 m | 31K07 |               | Sample, north east end of Lac Duval, 100m east of creek outlet                                                                                                                                                                                                                                                                                                                       |             |       |       |      |          |         |            |        |                    |  |             |                                                                                                                 |                      |            |              |                               |                 |        |         |      |             |                |
| 206        | A1078      | N 5135480 m, 18 352077 m | 31K07 | stream        | Taken from northern shore of Lac Duval, western side of bay. Found Spinel (chrome rich), magnetic and glass balls & several microdiamonds                                                                                                                                                                                                                                            |             |       |       |      |          |         |            |        |                    |  |             | FOUND SPINELS (CHROME RICH), MAGNETIC AND GLASS BALLS, SEVERAL MICRO DIAMONDS                                   | Y                    |            |              |                               |                 | Y      |         | Y    | Y           |                |
| D63        | A1079      | N 5135480 m, 18 352077 m | 31K07 |               |                                                                                                                                                                                                                                                                                                                                                                                      |             |       |       |      |          |         |            |        |                    |  |             |                                                                                                                 |                      |            |              |                               |                 |        |         |      |             |                |
| 204        | A1080      | N 5135582 m, 18 352393 m | 31K07 | stream        | Taken along north shore of Lake Duval, center part of bay Microdiamonds. 50% of sample examined, 7 diamonds found.                                                                                                                                                                                                                                                                   |             |       |       |      |          |         |            |        |                    |  |             | 50% OF SAMPLE EXAMINED, MICRODIAMONDS, 7 DIAMONDS FOUND                                                         | 7                    |            |              |                               |                 |        |         |      |             |                |
| D61        | A1081      | N 5135582 m, 18 352393 m | 31K07 |               | on beach ~100m E of J23-500                                                                                                                                                                                                                                                                                                                                                          |             |       |       |      |          |         |            |        |                    |  |             |                                                                                                                 |                      |            |              |                               |                 |        |         |      |             |                |
| J23-502    | A1082      | N 5135586 m, 18 352232 m | 31K07 |               |                                                                                                                                                                                                                                                                                                                                                                                      |             |       |       |      |          |         |            |        |                    |  |             |                                                                                                                 |                      |            |              |                               |                 |        |         |      |             |                |
| 3001E      | A1083      | N 5135603 m, 18 373614 m | 31K07 | G.F. sand     | 180 lbs, scoe as D; taken from large borrow pit @ side of rd. 3 bags pit. 3 bags skim                                                                                                                                                                                                                                                                                                |             | 7-1C  | Y     | Y    | G        | G       | G          | S      |                    |  |             |                                                                                                                 |                      |            |              |                               |                 |        |         |      |             |                |
| D82        | A1084      | N 5135611 m, 18 352286 m | 31K07 |               |                                                                                                                                                                                                                                                                                                                                                                                      |             |       |       |      |          |         |            |        |                    |  |             | 4 < 5mm pcs very bright yellow gold coloured sulphide & 10 pcs > 5mm also 1 pc pyrope                           |                      |            |              | Y                             |                 |        |         |      |             |                |
| J23-501    | A1085      | N 5135636 m, 18 351953 m | 31K07 |               | beach just E of creek flowing into circle (1: 50 000) ~200m up creek (as above) good placer trap                                                                                                                                                                                                                                                                                     |             |       |       |      | Y        |         |            |        |                    |  |             |                                                                                                                 |                      |            |              |                               |                 |        |         |      |             |                |
| 803        | A1086      | N 5135673 m, 18 356025 m | 31K07 | Rock          | Outcrop rock West side of road 300m south of sample 302                                                                                                                                                                                                                                                                                                                              |             |       |       |      |          |         |            |        |                    |  |             |                                                                                                                 |                      |            |              |                               |                 |        |         |      |             |                |
| 93KY00D4   | A1087      | N 5135691 m, 18 356348 m | 31K07 |               | coarse sand                                                                                                                                                                                                                                                                                                                                                                          |             |       |       |      |          |         |            |        |                    |  |             |                                                                                                                 |                      |            |              |                               |                 |        |         |      |             |                |
| 3003P      | A1088      | N 5135704 m, 18 333816 m | 31K08 | Reworked      | Reworked GF seeds; shallow pit in scrape next to road; densely packed-partially lith sand w/ ~ 15% rounded clasts size to 80 cm; sand is yellow brown; clasts are gneissic; 40 kg 4 mm; moderate sample. Sample washing: Color orange-brown. HCL, none? %COS - rounded nodular like, % GV, % COS, 6 Pan, all no comments. Remarks: co-grmate fpc!                                    |             | 8-1   | Y     | Y    | G        | G       | G          | S      |                    |  |             |                                                                                                                 |                      |            |              |                               |                 |        |         |      |             |                |
| 1100       | A1089      | N 5135902 m, 18 358013 m | 31K07 | stream        |                                                                                                                                                                                                                                                                                                                                                                                      |             |       |       |      |          |         |            |        |                    |  |             |                                                                                                                 |                      |            |              |                               |                 |        |         |      |             |                |
| AU08002    | A1090      | N 5135916 m, 18 358022 m | 31K07 |               | Sample panned by Vladimir on the edge of the big D                                                                                                                                                                                                                                                                                                                                   |             |       |       |      |          |         |            |        |                    |  |             | Lots of Chromites, ilmenites, 1 grain clear white could be diamond/Zircon.                                      |                      |            |              |                               |                 |        |         |      |             |                |
| 701        | A1091      | N 5136167 m, 18 355874 m | 31K07 | Rock          | Rxs - from till quarry on west side of road, across from lakes in "D". Buff to black deeply weathered (hand). Poss pelitic, lots of gnt. + lin? Vln                                                                                                                                                                                                                                  |             |       |       |      |          |         |            |        |                    |  |             |                                                                                                                 |                      |            |              |                               |                 |        |         |      |             |                |

| Old Sample | New Sample | UTM (E/N)                | NTS   | Description       | Field Notes                                                                                                                                                                                                                                                                                                                                                 | Clain Block | Block | Area | M.L. | 2mm-1mm | 1mm-5mm | 5mm-25mm | <25mm | Probe | Lab Notes                                                       | Size: <5mm | Picked Notes                                                                                                                                            | Diamond | Pyrope G8 | Pyrope G10 | Total Pyrope | Chromite Diopside | Ilmenite | Chromite/Spinel | Zircon | Olivine | Gold | Glass Balls | Manganese Balls |
|------------|------------|--------------------------|-------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|------|------|---------|---------|----------|-------|-------|-----------------------------------------------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------|------------|--------------|-------------------|----------|-----------------|--------|---------|------|-------------|-----------------|
| 702        | A1092      | N 5136167 m, 18 355874 m | 31K07 | reworked till     | Soil - concentrated crush of 701                                                                                                                                                                                                                                                                                                                            |             |       |      |      |         |         |          |       |       |                                                                 |            |                                                                                                                                                         |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 302        | A1093      | N 5136178 m, 18 355849 m | 31K07 |                   | Gravel pit Opp "BIG D" check D 300, B Corner Sample A, 5' from top of cut south, 700 metres from 301, east of v-cut                                                                                                                                                                                                                                         |             |       |      |      |         |         |          |       |       |                                                                 |            |                                                                                                                                                         |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 93KY0006   | A1094      | N 5136269 m, 18 355877 m | 31K07 |                   | varied glaciofluvial sediment - ice contact (kame, kame terrace)                                                                                                                                                                                                                                                                                            |             |       |      |      |         |         |          |       |       |                                                                 |            |                                                                                                                                                         |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 3013       | A1095      | N 5136354 m, 18 355819 m | 31K07 | G.F.              | sample lg at gravel pit on w side of road just N. of Big D, 8m depth, 75 wide. A. VFG sand showing intricate ripple marks southerly direction of flow. B. 2 large clast filled channels, one exhibits xbedding dipping 200S. C. Fg sand exhibiting xbedding dip 5-10 0 s; remainder Fg sand stratified. Sample taken in unbedded channel: 65 lbs, 1/4" mesh |             |       |      |      |         |         |          |       |       |                                                                 |            |                                                                                                                                                         |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 3001D      | A1096      | N 5136397 m, 18 374004 m | 31K07 | G.F. sand         | Fine grained GF sand: the whole region S of L Ward is cover in this stuff. Not very good sampling material, pit to 2'; 180 lbs                                                                                                                                                                                                                              | 7-1C        | Y     |      | G    | G       | G       | G        | S     |       |                                                                 |            |                                                                                                                                                         |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| T-7        | A1097      | N 5139129 m, 18 352205 m | 31K07 | fluvial           |                                                                                                                                                                                                                                                                                                                                                             | 7-1         | Y     | Y    | C    | C       | C       | C        |       |       |                                                                 |            | Large amber/red crustal garnets. 1pc purple/pink garnet could be pyrope. 1pc well formed chromite crystal <1mm                                          |         |           |            |              |                   |          | Y               |        |         |      |             |                 |
| 304        | A1098      | N 5136791 m, 18 356303 m | 31K07 | stream            | "D" sand sample, east Taken through 18" cut in ice at North Eastern part, big "D"                                                                                                                                                                                                                                                                           |             |       |      |      |         |         |          |       |       | Too small                                                       |            |                                                                                                                                                         |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 300        | A1099      | N 5139956 m, 18 355772 m | 31K07 |                   | From trail in till road, cut south east side, 400 metres across from Big D. Taken from road cut previous to lake LaRue road 100m south from split near the sand pits.                                                                                                                                                                                       |             |       |      |      |         |         |          |       |       |                                                                 |            |                                                                                                                                                         |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 3003Q      | A1100      | N 5137001 m, 18 331821 m | 31K06 | Reworked          | Reworked basal till; yellow grey in colour; ~25% clasts, angular, gneiss, 80cm; silty sand matrix; 40kg no mesh; moderate-good sample. Sample washing: color - grey; HCL. % OS - 1/2 bag, % GV, % COS, % PAN: no comments; 70% retained clayballs. Remarks: calcinate needed                                                                                | 6-1         | Y     | Y    | G    | G       | G       | G        | S     |       |                                                                 |            |                                                                                                                                                         |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 110        | A1101      | N 5137440 m, 18 347182 m | 31K07 | stream            | Taken about one foot off shore in one foot of water, off of a very steep shore/cliff on the east shore of Lake Antoine near where it bends and flows into bay then into the creek that drains into Lac Bryson. Found magnetite and glass balls                                                                                                              |             |       |      |      |         |         |          |       |       |                                                                 |            | MAGNETIC AND GLASS BALLS                                                                                                                                |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 4149       | A1102      | N 5137486 m, 18 356394 m | 31K07 | fluvial           | Large sample of normal till. Eight different garnets, pink, orange, lilac, amber, red, cranberry, champagne and deep red. Cr diopside in sample, some apatite.                                                                                                                                                                                              | 7-1         | Y     |      |      |         |         |          |       |       |                                                                 |            | Large sample of normal till. 8 different garnets, pink, orange, lilac, amber, red, cranberry, champagne & deep red. Cr Diopside in sample some apatite. |         |           |            |              |                   |          |                 |        |         |      |             | Y               |
| EA24T3     | A1103      | N 5137536 m, 18 347795 m | 31K07 |                   | A. - B; well developed; orange brown silty clay few to no clasts, nest layer; Glaciofluvial sed. well sorted sands; <3% clasts; rounded<5cm; fine to med gnd sand; yellow-bronze to grey; sideslope above a swamp; young balsams; 60lbs, 1/4" mesh                                                                                                          |             |       |      |      |         |         |          |       |       | 25-5mm, .5-1, +1 (<25 not run)                                  |            |                                                                                                                                                         |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 3003R      | A1104      | N 5137609 m, 18 331525 m | 31K06 | Reworked          | see as 3003Q; 40 kg 4mm. Sample washing. Color: grayish. HCL. % OS average, % GV average - low, % COS average low, % PAN - average.                                                                                                                                                                                                                         | 6-1         | Y     | Y    |      |         |         |          | S     |       |                                                                 |            | >1% GARNETS, 3-4 PCS PYROPE VERY PURPLE                                                                                                                 |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 301        | A1105      | N 5137678 m, 18 355336 m | 31K07 |                   | Sandpit SE side road, south side 113 Large, 1 km S of 300 Taken at Sand/Gravel pit, east side of road south of Bryson sign                                                                                                                                                                                                                                  |             |       |      |      |         |         |          |       |       | Relative %: >1mm: 90%; 1-0.5mm: 6%; 0.6-0.25mm: 3%; <0.25mm: 2% |            |                                                                                                                                                         |         |           |            | Y            |                   |          |                 |        |         |      |             |                 |
| EA24T1     | A1106      | N 5137802 m, 18 347945 m | 31K07 |                   | A; organic matter. B. 40cm-70cm; gray clay; blocky till red brown; large amount of gossan boulders; 60% clasts; subround to subangular, clasts to 25cm; ~60 lb sample screened to 1/4" + water; very hard digging; sideslope/gully w alders; birch + maple                                                                                                  |             |       |      |      |         |         |          |       |       |                                                                 |            |                                                                                                                                                         |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 93KY0008   | A1107      | N 5137831 m, 18 355248 m | 31K07 |                   | planer bedded from outwash plain: surface of kame terrace                                                                                                                                                                                                                                                                                                   |             |       |      |      |         |         |          |       |       |                                                                 |            |                                                                                                                                                         |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 4145       | A1108      | N 5137908 m, 18 352001 m | 31K07 | basal             | Dirty sample with 4 types of garnets. Dark red ( almandine) plus 1 stunning lilac garnet with inclusions                                                                                                                                                                                                                                                    | 7-1         | Y     |      |      |         |         |          |       |       |                                                                 |            | Dirty sample with 4 types of garnets, Dark red (almandine) plus 1 stunning lilac garnet with inclusions                                                 |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| EA14T2     | A1109      | N 5137958 m, 18 347448 m | 31K07 |                   | A 0-10cm. B 10-40cm; bluish-grey soil, no clasts; 40cm - 1m same color as above but w/ many (75%) clasts. 1m-1.2m; till, brownish yellow. many clasts (75%) subround to subangular; clasts to 20cm; 60lb sample 1/4" contain from unknown layer                                                                                                             |             |       |      |      |         |         |          |       |       | 25-5, .5-1, +1mm (<25 not run)                                  |            |                                                                                                                                                         |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 4147       | A1110      | N 5138003 m, 18 354404 m | 31K07 | ebulation / basal | Dirty sample full of proxenite(s) very dark. Only two types of garnets -champagne and dirty champagne with inclusions. The champagne garnets are in most other sample. Some Cr diopside.                                                                                                                                                                    | 7-1         | Y     |      |      |         |         |          |       |       |                                                                 |            |                                                                                                                                                         |         |           |            |              |                   |          |                 |        |         |      |             |                 |

[illegible]

| Old Sample #    | New Sample | UTM (E/N)                | NTS   | Description      | Field Notes                                                                                                                                                                                                                                                                                                                                                                                                                              | Claim Block | Block | Test | M.L. | 2mm-1mm | 1mm-.5mm | .5mm-.25mm | <.25mm | Probe | Lab Notes                                                                                                                            | Size .5-1mm | Picked Notes                                                                                                           | Diamond | Pyrope G9 | Pyrope G10 | Total Pyrope | Chromite | Dioptase | Ilmenite | Chromite/Spinel | Zircon | Olivine | Gold | Glass Balls | Magnetic Balls |
|-----------------|------------|--------------------------|-------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|------|------|---------|----------|------------|--------|-------|--------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------|---------|-----------|------------|--------------|----------|----------|----------|-----------------|--------|---------|------|-------------|----------------|
| 101             | A1133      | N 5138696 m, 18 352146 m | 31K07 | stream           | Taken at creek leading into five mile bay. Found magnetic and glass balls pyropes, or diopside, microdiamonds                                                                                                                                                                                                                                                                                                                            |             |       |      |      |         |          |            |        |       |                                                                                                                                      |             | ALL INDICATORS & GLASS+MAGNETIC BALLS 1 PCS GOLD                                                                       | Y       | Y         |            |              | Y        | Y        | Y        |                 |        | Y       | Y    | Y           |                |
| 4140            | A1134      | N 5138704 m, 18 346062 m | 31K07 | basal            | Fairly clean sample with 5 types of garnet and 1 frosted clear square grain? Many deep red, maybe pyropes. Very few ilac.                                                                                                                                                                                                                                                                                                                |             | 7-1   | Y    |      |         |          |            |        |       |                                                                                                                                      |             | Fairly clean sample with 5 types of garnet & 1 frosted clear square grain ? Many deep red maybe pyropes. Very few ilac |         |           |            |              |          |          |          |                 |        |         |      |             |                |
| WD102           | A1135      | N 5138719 m, 18 353443 m | 31K07 |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |       |      |      |         |          |            |        |       |                                                                                                                                      |             |                                                                                                                        |         |           |            |              | Y        | Y        |          |                 |        |         |      |             |                |
| WD005           | A1136      | N 5138731 m, 18 352943 m | 31K07 |                  | Shore sample Loblaw Lake                                                                                                                                                                                                                                                                                                                                                                                                                 |             |       |      |      |         |          |            |        |       |                                                                                                                                      |             |                                                                                                                        |         |           |            |              |          |          |          |                 |        |         |      |             |                |
| WD004           | A1137      | N 5138772 m, 18 352978 m | 31K07 |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |       |      |      |         |          |            |        |       |                                                                                                                                      |             |                                                                                                                        |         |           |            |              |          |          |          |                 |        |         |      |             |                |
| 93KY008         | A1138      | N 5138915 m, 18 351582 m | 31K07 |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |       |      |      |         |          |            |        |       |                                                                                                                                      |             |                                                                                                                        |         |           |            |              |          |          |          |                 |        |         |      |             |                |
| 503             | A1139      | N 5138930 m, 18 354525 m | 31K07 | Rock             | Outcropping on south west side of depression                                                                                                                                                                                                                                                                                                                                                                                             |             |       |      |      |         |          |            |        |       |                                                                                                                                      |             |                                                                                                                        |         |           |            |              |          |          |          |                 |        |         |      |             |                |
| 500             | A1140      | N 5139004 m, 18 354620 m | 31K07 | Till             | 2/3 way up the hill - by overturned pine tree (Pyrope with wine red colour probed) G10 Taken at roots of an overturned tree 150m uphill                                                                                                                                                                                                                                                                                                  |             |       |      |      |         |          |            |        |       |                                                                                                                                      |             | PYROPE WITH WINE RED COLOUR PROBED                                                                                     |         |           |            |              | Y        |          |          |                 |        |         |      |             |                |
| 504             | A1141      | N 5139004 m, 18 354968 m | 31K07 | stream           | sand on shore (west) across from Calumet or Murtagh taken in March                                                                                                                                                                                                                                                                                                                                                                       |             |       |      |      |         |          |            |        |       |                                                                                                                                      |             |                                                                                                                        |         |           |            |              |          |          |          |                 |        |         |      |             |                |
| 505             | A1142      | N 5139004 m, 18 354968 m | 31K07 |                  | Slide on road                                                                                                                                                                                                                                                                                                                                                                                                                            |             |       |      |      |         |          |            |        |       |                                                                                                                                      |             |                                                                                                                        |         |           |            |              |          |          |          |                 |        |         |      |             |                |
| 508             | A1143      | N 5139004 m, 18 354968 m | 31K07 | stream           | beach sand on shore (west) across from Calumet or Murtagh                                                                                                                                                                                                                                                                                                                                                                                |             |       |      |      |         |          |            |        |       |                                                                                                                                      |             |                                                                                                                        |         |           |            |              |          |          |          |                 |        |         |      |             |                |
| WD101           | A1144      | N 5139012 m, 18 353543 m | 31K07 |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |       |      |      |         |          |            |        |       |                                                                                                                                      |             |                                                                                                                        |         |           |            |              |          |          |          |                 |        |         |      |             |                |
| JB10            | A1146      | N 5139013 m, 18 354934 m | 31K07 |                  | From creek west of Coulouge river near junction of origin, road + beside claim post Bill fixed                                                                                                                                                                                                                                                                                                                                           |             |       |      |      |         |          |            |        |       | Relative %: >1mm: 1%; 1-0.5mm: 29%; 0.5-0.25mm: 40%; <0.25mm: 30% (Cr Di?)                                                           |             |                                                                                                                        |         |           |            |              |          |          |          |                 |        |         |      |             |                |
| WD100           | A1148      | N 5139021 m, 18 353552 m | 31K07 |                  | sample from bedrock in river across from Carmichael creek                                                                                                                                                                                                                                                                                                                                                                                |             |       |      |      |         |          |            |        |       | .5mm                                                                                                                                 |             |                                                                                                                        |         |           |            |              |          |          |          |                 |        |         |      |             |                |
| J20201          | A1147      | N 5139045 m, 18 355003 m | 31K07 |                  | On road from Bryson up west side of Coulouge River - rock outcrop on west bank of river across from outflow from small creek on east side of river coming out of lake Carmichael; could be many pyropes! + Rock samples, almost all Garnet; "very heavy mineral sample"                                                                                                                                                                  |             |       |      |      |         |          |            |        |       | 901M, relative %: >1mm: 10%; 1-0.5mm: 40%; 0.5-0.25mm: 40%; <0.25mm: 10%; 901G: >1mm: 1%; 1-0.5mm: 9%; 0.5-0.25mm: 80%; <0.25mm: 10% |             |                                                                                                                        |         |           |            |              |          |          |          |                 |        |         |      |             |                |
| JB01 G/M + rock | A1148      | N 5139046 m, 18 354994 m | 31K07 |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |       |      |      |         |          |            |        |       |                                                                                                                                      |             |                                                                                                                        |         |           |            |              |          |          |          |                 |        |         |      |             |                |
| 501             | A1149      | N 5139054 m, 18 354630 m | 31K07 | Rock             | Outcropping about 20-30 feet away from sample 500                                                                                                                                                                                                                                                                                                                                                                                        |             |       |      |      |         |          |            |        |       |                                                                                                                                      |             |                                                                                                                        |         |           |            |              |          |          |          |                 |        |         |      |             |                |
| AI4001G EK      | A1150      | N 5139081 m, 18 356054 m | 31K07 |                  | Sand southwest of mafic rock 3', 1metre, very black Coulouge near Carmichael creek                                                                                                                                                                                                                                                                                                                                                       |             |       |      |      |         |          |            |        |       |                                                                                                                                      |             |                                                                                                                        |         |           |            |              |          |          |          |                 |        |         |      |             |                |
| T-8             | A1151      | N 5139097 m, 18 351407 m | 31K07 | fluvial          |                                                                                                                                                                                                                                                                                                                                                                                                                                          |             | 7-1   | Y    | Y    | C       | C        | C          | C      |       |                                                                                                                                      |             |                                                                                                                        |         |           |            |              |          |          |          |                 |        |         |      |             |                |
| 3012            | A1152      | N 5139120 m, 18 351501 m | 31K07 | G.F.             | Road cut leading to old logging trailer site near 5 mi Bay. A0 - no soil developed, underneath a small channel w. many rounded cobbles and gravel. At approx 5' narrow band of fg sand w/ bed structures. Undifferentiated till, 80% clasts subangular to angular all sizes from 1 m down; brownish grey matrix; may grade to finer clasts at bottom-debris covered. KAME? - looks like a big dump of mH over washed till (repeated 2x?) |             |       |      |      |         |          |            |        |       |                                                                                                                                      |             |                                                                                                                        |         |           |            |              |          |          |          |                 |        |         |      |             |                |
| 502             | A1153      | N 5139127 m, 18 354438 m | 31K07 | Rock             | Outcropping east side - on top of depression                                                                                                                                                                                                                                                                                                                                                                                             |             |       |      |      |         |          |            |        |       |                                                                                                                                      |             |                                                                                                                        |         |           |            |              |          |          |          |                 |        |         |      |             |                |
| 10B             | A1154      | N 5139139 m, 18 350009 m | 31K07 | stream           | Taken in swampy moose pasture where creek empties swamp south of Bryson camp. Very poor sample.                                                                                                                                                                                                                                                                                                                                          |             |       |      |      |         |          |            |        |       |                                                                                                                                      |             |                                                                                                                        |         |           |            |              |          |          |          |                 | Y      |         | Y    |             |                |
| TR1             | A1155      | N 5139195 m, 18 352198 m | 31K07 | fluvial          |                                                                                                                                                                                                                                                                                                                                                                                                                                          |             | 7-1   | Y    | Y    | C       | C        | C          | C      |       |                                                                                                                                      |             |                                                                                                                        |         |           |            |              |          |          |          |                 |        |         |      |             |                |
| 4139            | A1156      | N 5139202 m, 18 349510 m | 31K07 | basal            |                                                                                                                                                                                                                                                                                                                                                                                                                                          |             | 7-1   | Y    |      |         |          |            |        |       |                                                                                                                                      |             |                                                                                                                        |         |           |            |              |          |          |          |                 |        |         |      |             |                |
| 93KY007         | A1157      | N 5139205 m, 18 351469 m | 31K07 |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |       |      |      |         |          |            |        |       |                                                                                                                                      |             |                                                                                                                        |         |           |            |              |          |          |          |                 |        |         |      |             |                |
| 3014            | A1158      | N 5139231 m, 18 352174 m | 31K07 | G.F.             | Taken on road to cabin at 5 mi Bay just N of "Dirt bridge" on W side of road in a cut; partially reworked till; 50% clasts - rounded to subrounded <15cm, yellow brown sand; bedding obs. Dipping S upper units ~45-50 O, lower units ~5 O, 3014 in unworked section                                                                                                                                                                     |             |       |      |      |         |          |            |        |       |                                                                                                                                      |             |                                                                                                                        |         |           |            |              |          |          |          |                 |        |         |      |             |                |
| 102             | A1159      | N 5139241 m, 18 351393 m | 31K07 | stream           | Taken near swamp close to road. Found pieces of olivine, magnetic and glass balls                                                                                                                                                                                                                                                                                                                                                        |             |       |      |      |         |          |            |        |       |                                                                                                                                      |             | GLASS & MAGNETIC BALLS, OLIVINE                                                                                        |         |           |            |              |          |          |          |                 |        | Y       |      | Y           |                |
| WD003           | A1160      | N 5139288 m, 18 352265 m | 31K07 |                  | Stream sample from base of waterfall, south side of road. 50' east on south side of road. Road that runs east of 5mile bay north of Loblaw Lake                                                                                                                                                                                                                                                                                          |             |       |      |      |         |          |            |        |       |                                                                                                                                      |             |                                                                                                                        |         |           |            |              |          |          |          |                 |        |         |      |             |                |
| 4133            | A1161      | N 5139300 m, 18 348596 m | 31K07 | basal / ablation | South - East of the camp at Lac Bryson                                                                                                                                                                                                                                                                                                                                                                                                   |             | 7-1   | Y    |      |         |          |            |        |       |                                                                                                                                      |             |                                                                                                                        |         |           |            |              |          |          |          |                 |        |         |      |             |                |
| VD002           | A1162      | N 5139301 m, 18 352786 m | 31K07 |                  | Trip to road (log) east of 5 mile Bay, not panned; shovel; A ch found. no ilac, no columbite, no rutile.                                                                                                                                                                                                                                                                                                                                 |             |       |      |      |         |          |            |        |       |                                                                                                                                      |             |                                                                                                                        |         |           |            |              |          |          |          |                 |        |         |      |             |                |

| Old Sample | New Sample | UTM (E/N)                | NTS   | Description     | Field Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Claim Block | Block | Intex | M.L. | 2mm-1mm | 1mm-.5mm | .5mm-.25mm | <.25mm | Probe                            | Lab Notes | Size .5-1mm | Plotted Notes                                                                                                                                                                                                                           | Diamond | Pyrope G9 | Pyrope G10 | Total Pyrope | Chrome Diopside | Ilmenite | Chromite/Spinel | Zircon | Olivine | Gold | Glass Balls | Magnetic Balls |
|------------|------------|--------------------------|-------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|-------|------|---------|----------|------------|--------|----------------------------------|-----------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------|------------|--------------|-----------------|----------|-----------------|--------|---------|------|-------------|----------------|
| WD002      | A1163      | N 5138331 m, 18 352922 m | 31K07 |                 | Stream sample from base of waterfall, south side of road. (Lake 18.9 MAG). Limestone block in water                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             |       |       |      |         |          |            |        |                                  |           |             |                                                                                                                                                                                                                                         |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 106        | A1184      | N 5139363 m, 18 347002 m | 31K07 | stream          | Taken from shore of lac antoine near dam. No pertinent data.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |       |       |      |         |          |            |        |                                  |           |             | 50% EXAMINED, 1 DIAMOND FOUND                                                                                                                                                                                                           | 1       |           |            |              |                 |          |                 |        |         |      |             |                |
| 4137       | A1185      | N 5139402 m, 18 346972 m | 31K07 | stream sed.     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             | 7-1   | Y     |      |         |          |            |        |                                  |           |             |                                                                                                                                                                                                                                         |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 4138       | A1166      | N 5139411 m, 18 346907 m | 31K07 | stream          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             | 7-1   | Y     |      |         |          |            |        |                                  |           |             |                                                                                                                                                                                                                                         |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 107        | A1167      | N 5139432 m, 18 346794 m | 31K07 | stream          | Taken from run of creek from swampy pasture in the interior east of Bryson camp. 50% of sample examined. 1 diamond found                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             |       |       |      |         |          |            |        |                                  |           |             | 50% EXAMINED, 1 DIAMOND FOUND                                                                                                                                                                                                           |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 3000A      | A1168      | N 5139501 m, 18 353604 m | 31K07 | Grab            | o/c Grab sample; Quartzofelspathic gneiss (QFG); moderate to heavy gossan across 1m visible width; fine to coarse grnd, %s vary across o/c of minerals; ~50%QTZ, 30% Kspar (quite weathered), 10-15% Bio, minor magn. Po + rusted blebs, ASSAY Au, o/c is whalebacked + sculpted. 1550 ~20m long                                                                                                                                                                                                                                                                                                                                               |             | 7-1   | Y     | Y    |         |          |            |        |                                  |           |             |                                                                                                                                                                                                                                         | 1       |           |            |              |                 |          |                 |        | Y       |      | Y           | Y              |
| T-5        | A1169      | N 5139502 m, 18 350720 m | 31K07 | fluvial         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             | 7-1   | Y     | Y    | C       | C        | C          | C      |                                  |           |             | Many crustal garnets of a deep red colour mixed with about 5pcs of very wine deep red pyrope type garnets. Not probed however, garnets seem to be pyropes and I have marked them as such                                                |         |           |            | Y            |                 |          |                 |        |         |      |             |                |
| 3011       | A1170      | N 5139528 m, 18 350713 m | 31K07 | G.F.            | A - B. Glaciofluvial bedding observed flow direction 2100. Moderately sorted till (glaciofluvial) - clasts from <1cm to 5 cm, med to fine grained sand as matrix. Glaciofluvial; fine grained sand bedding. Some beds have minor small pebbles <1cm; ~20lb, screened to 1/4" mesh                                                                                                                                                                                                                                                                                                                                                              |             |       |       |      |         |          |            |        |                                  |           |             |                                                                                                                                                                                                                                         |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 103        | A1171      | N 5139535 m, 18 350764 m | 31K07 | stream          | Taken at creek with moving water. Found glass and magnetic balls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |       |       |      |         |          |            |        |                                  |           |             | GLASS & MAGNETIC BALLS                                                                                                                                                                                                                  |         |           |            |              |                 |          |                 |        |         |      | Y           | Y              |
| T-4        | A1172      | N 5139604 m, 18 350002 m | 31K07 | fluvial         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             | 7-1   | Y     | Y    | C       | C        | C          | C      |                                  |           |             |                                                                                                                                                                                                                                         |         |           |            |              |                 |          |                 |        |         |      |             |                |
| TR3        | A1173      | N 5139777 m, 18 347716 m | 31K07 | basal / fluvial |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             | 7-1   | Y     | Y    | C       | C        | C          | C      | TR2-1.5-.65, .85-2mm/TR2-2, same |           |             | Many large red garnets that could be pyrope type - however they do have an amber tinge when lifted up for full flowing light. 1pc is pyrope, another pinkish garnet has candy frosting. 2pc dull apple green chrome diopside weathered. |         |           |            | Y            | Y               |          |                 |        |         |      |             |                |
| 3009       | A1174      | N 5139781 m, 18 350014 m | 31K07 | till            | A; poor A-mers no leach zone; Fe enriched silt sand-likely enrichment of till from below. B; glaciofluvial sand; mainly coarse sands minor med-fg sand; undulose bedding sample, yellow brown; 20 lb sample ~3010. Next layer: ~1 1/2" thick greenish brown claylayer w/ large (15cm) dropstone, plume structures. Next layer: bleu gray clay rich sand w/ ~5% clasts (dropstones) subangular to round, mostly peg. + hble/bio rich clasts, 65lb sample=3009. 3'-4' - glacial lake, low E - minor iceburge; at 3' very low E - colder - only clay. Recent 3' to 8" glacial outwash plain, moderate E. rapid deposition; no xbedding or ripples |             |       |       |      |         |          |            |        |                                  |           |             |                                                                                                                                                                                                                                         |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 104        | A1175      | N 5139807 m, 18 349550 m | 31K07 | stream          | Taken at swampy area off side of logging road. Found diopsides containing chrome (14 signs), olivine, magnetic and glass balls. 50% of sample examined. 12 diamonds found                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |       |       |      |         |          |            |        |                                  |           |             | 50% OF SAMPLE EXAMINED, 12 DIAMONDS FOUND, 14 SIGNS OF CHROME DIOPSIDE AND OLIVINE                                                                                                                                                      | 12      |           |            | 14           |                 |          |                 |        | Y       |      | Y           | Y              |
| T-3        | A1176      | N 5139811 m, 18 347707 m | 31K07 |                 | N-side of BL road just west of lodge in borrow pit; 3m depth-water coming in; light brown undiff till? Clasts to 1m ~50%; angular=T2-1; grey undiff till? Clasts to 40% to 30cm find sand, sub angular to subround=T2-2                                                                                                                                                                                                                                                                                                                                                                                                                        |             |       |       |      |         |          |            |        |                                  |           |             |                                                                                                                                                                                                                                         |         |           |            |              |                 |          |                 |        |         |      |             |                |
| T2-1/T2-2  | A1177      | N 5139849 m, 18 349998 m | 31K07 | fluvial         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             | 7-1   | Y     | Y    | C       | C        | C          | C      |                                  |           |             |                                                                                                                                                                                                                                         |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 3000D      | A1178      | N 5140138 m, 18 345621 m | 31K06 | Till            | Road cut on way to L. Branset; good sample site; ~30 lbs, 1/4" mesh, 50kg 5mm mesh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             | 6-3   | Y     | Y    | C       | C        | C          | 8      |                                  |           |             |                                                                                                                                                                                                                                         |         |           |            |              |                 |          |                 |        |         |      |             |                |
| VD001A     | A1179      | N 5140143 m, 18 352675 m | 31K07 |                 | Believe this is east of lac Bryson on road north of Loblaw's Lake at end of road. Sample from stream following into swamp. Viktor & Des took sample                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             |       |       |      |         |          |            |        |                                  |           |             | 2pcs dark wine red pyropes, 10pcs dirty apple green chrome diopside                                                                                                                                                                     |         |           |            |              | Y               | Y        |                 |        |         |      |             |                |
| 3008       | A1180      | N 5140262 m, 18 348319 m | 31K07 | till            | Hole to 3' depth in balsam grove, well drained soils. A. thick humus/litter, many roots, well defined A2 leach zone. B 8"-19", orange brown clayish silt, minor very small clasts. 19"-36"; till; yellowish brown sandy clay w/ many large to small clasts (Undifferentiated till), ~95lb screened sample, 1/4" mesh. At 19"; contact dips downhill                                                                                                                                                                                                                                                                                            |             |       |       |      |         |          |            |        |                                  |           |             |                                                                                                                                                                                                                                         |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 106        | A1181      | N 5140388 m, 18 348407 m | 31K07 | stream          | Taken near bridge next to small inlet bay off Bryson. Found diopsides (3 signs), pyropes (2 pieces), spinel (8), olivine, magnetic and glass balls (1 micro diamond recovered). 50% of sample examined, 7 diamonds found                                                                                                                                                                                                                                                                                                                                                                                                                       |             |       |       |      |         |          |            |        |                                  |           |             | 50% OF SAMPLE EXAMINED, 2 PCS OF PYROPES FOUND, 7 DIAMONDS, 3 SIGNS OF DIOPSIDES 6 SPINELS, OLIVINE, GLASS AND MAGNETIC BALLS (1 MICRO DIAMOND)                                                                                         | 7       |           |            | 2            | 3               |          | Y               |        | Y       |      | Y           | Y              |

| Old Sample  | New Sample | UTM (E/N)                | NYS   | Description       | Field Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Chain Block | Block Inva | M.L. | 2mm-1mm | 1mm-.5mm | .5mm-.25mm | <.25mm | Probe                                | Lab Notes | Size .5-1mm | Picked Notes                                                                                                                       | Diamond Pyrope G8 | Pyrope G10 | Total Pyrope Chromite Diopside | Chromite Spinel Ilmenite | Zircon | Olivine | Gold | Glass Balls | Manganese Beils |
|-------------|------------|--------------------------|-------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------|------|---------|----------|------------|--------|--------------------------------------|-----------|-------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------|--------------------------------|--------------------------|--------|---------|------|-------------|-----------------|
| 4135        | A1182      | N 5140407 m, 18 348802 m | 31K07 | ablation          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             | 7-1        | Y    |         |          |            |        |                                      |           |             | VIOLET G8 TYPE GARNETS, SOME CHROME DIOPSIDE                                                                                       |                   |            |                                |                          |        |         |      |             |                 |
| T-2         | A1183      | N 5140420 m, 18 348407 m | 31K07 | fluvial           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             | 7-1        | Y    | Y       | C        | C          | C      | C                                    |           |             |                                                                                                                                    |                   |            | Y                              | Y                        |        |         |      |             |                 |
| WD001       | A1184      | N 5140476 m, 18 352802 m | 31K07 |                   | Sample from n/west side of stream along road to west side of Lac Bryon 235 m up trail to N anomaly CP 1 5118090; H McKenzie D8B11 Taken on side of ridge north of Loblaw's lake. Pit dug 2' deep sample taken from clay under a 6" layer of orange sand                                                                                                                                                                                                                                                             |             |            |      |         |          |            |        |                                      |           |             |                                                                                                                                    |                   |            |                                |                          |        |         |      |             |                 |
| 4142        | A1185      | N 5140508 m, 18 348995 m | 31K07 | ablation          | Normal till sample for this are. Approx 155 garnets. Five types of garnets. Pink , orange, champagne, amber and lilac. Some cr diopside                                                                                                                                                                                                                                                                                                                                                                             |             | 7-1        | Y    |         |          |            |        |                                      |           |             | Normal Till sample for this area, approx 15% garnets. 5 types of garnets. Pink, orange,champagne, amber & lilac. Some cr diopside. |                   |            |                                |                          |        |         |      |             |                 |
| TR1-1/TR1-2 | A1186      | N 5140511 m, 18 348503 m | 31K07 | fluvial / glacial |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             | 7-1        | Y    | Y       | C        | C          | C      | C                                    |           |             |                                                                                                                                    |                   |            |                                |                          |        |         |      |             |                 |
| TR2         | A1187      | N 5140511 m, 18 348503 m | 31K07 |                   | Depth 2m, length 4m, width 2m. A; very poorly developed. B. Graded sandy silt, drk brown on top ~10cm; undulose contact w/ lighter. Next layer; glacioclusival sed; lots of soft sed deformation; many deformed bonds; mostly silt to sand; gray to bright orange; small clasts <10cm, compose <5% of debris, flow direction ~850. Q/c interbedded bio and QFG with pag. large books of bio; 150 lb sample from bottom of pit, meshed to 1/4" = TR1-1; bright orange pockets samples "5lbs -GRAB- ; Assay Au; TR1-2 |             |            |      |         |          |            |        | .25-.5mm, .65-2mm                    |           |             |                                                                                                                                    |                   |            |                                |                          |        |         |      |             |                 |
| 4136        | A1188      | N 5140703 m, 18 348934 m | 31K07 | ablation          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             | 7-1        | Y    |         |          |            |        |                                      |           |             | SOME VIOLET G8 TYPE GARNETS, SOME CHROME DIOPSIDE, 1 PCS SILVER/METALLIC                                                           |                   |            | Y                              | Y                        |        |         |      |             |                 |
| E3BT2       | A1189      | N 5140721 m, 18 346073 m | 31K06 |                   | A; 8cm B; 8-80cm; orange brown podzolic soil/thick for sideslope; shows signs of downslope creep. 80cm till; frozen ground; rounded to subrounded clasts to <20cm matrix sand; grey-yellow to grey-orange; clasts to 15cm; likely glacioclusival due to clast roundness + pop; sideslope: balsam, maple, birch, pine; some contamination from B horiz                                                                                                                                                               |             |            |      |         |          |            |        |                                      |           |             |                                                                                                                                    |                   |            |                                |                          |        |         |      |             |                 |
| EC3BS1      | A1190      | N 5141160 m, 18 347880 m |       |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |            |      |         |          |            |        |                                      |           |             |                                                                                                                                    |                   |            |                                |                          |        |         |      |             |                 |
| EC3T1       | A1191      | N 5141243 m, 18 347833 m | 31K07 |                   | A -4cm. B; reddish brown; large angular clast; silty clay. 75cm; greyish yellow color; clay rich-to-sand; sub angular to rounded; small pebbles; clast 10-15cm; subangular to rounded: no water structures noted. Topo; side slope in balsam grove, large boulders; 70lbs screen @ 1/4"                                                                                                                                                                                                                             |             |            |      |         |          |            |        |                                      |           |             |                                                                                                                                    |                   |            |                                |                          |        |         |      |             |                 |
| EC3T2       | A1192      | N 5141256 m, 18 347806 m | 31K07 |                   | A -3cm. B. 3-30cm. 30cm-100cm: subangular-rounded yellow-grey matrix; clay; 25 cm+ clast, much ground water, speratic till coverin area. Topo; flat in balsam (boulder field); 80-70 lbs. screened @ 1/4"                                                                                                                                                                                                                                                                                                           |             |            |      |         |          |            |        |                                      |           |             | Several Pyropes & a few bright apple green chrome diopside. 2 pc ilmenite                                                          |                   |            | Y                              | Y                        | Y      |         | Y    |             |                 |
| EB3T1       | A1193      | N 5141372 m, 18 345811 m | 31K07 |                   | A; B; orange silty clay; C; yellow brown till; ~30% rounded to subrounded clasts; clast to 8 cm; no structure observed; groundwater at ~50cm; matrix predom med to coarse gnd sand. Gully bottom - malishy spots; maple large wht pines + JP; ~60lbs w/ water                                                                                                                                                                                                                                                       |             |            |      |         |          |            |        | .25-.5, .5-1mm, +1 (<.25 not run)    |           |             |                                                                                                                                    |                   |            |                                |                          |        |         |      |             |                 |
| AL29        | A1194      | N 5141416 m, 18 347071 m | 31K07 |                   | Stream sample contained a G8 pyrope                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |            |      |         |          |            |        |                                      |           |             |                                                                                                                                    |                   |            | Y                              |                          |        |         |      |             |                 |
| EB3T2       | A1195      | N 5141574 m, 18 345851 m |       |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |            |      |         |          |            |        |                                      |           |             |                                                                                                                                    |                   |            |                                |                          |        |         |      |             |                 |
| J902M       | A1196      | N 5141817 m, 18 353895 m | 31K07 |                   | On Coulange River South of island and Rapids in River; sample from west bank, 3 samples taken at 50' intervals                                                                                                                                                                                                                                                                                                                                                                                                      |             |            |      |         |          |            | R      | 2 rock pieces fr                     | Too small |             |                                                                                                                                    |                   |            |                                |                          |        |         |      |             |                 |
| AU06004     | A1197      | N 5141826 m, 18 353878 m | 31K07 |                   | Panned by Vladimir, right opposite the island in the river 150m lower than garnet proxinite bolder                                                                                                                                                                                                                                                                                                                                                                                                                  |             |            |      |         |          |            |        |                                      |           |             |                                                                                                                                    |                   |            |                                |                          |        |         |      |             |                 |
| AU06005     | A1198      | N 5141831 m, 18 353875 m | 31K07 |                   | Panned by Vladimir, 100m up the creek ~500m up than garnet proxinite bolder                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |            |      |         |          |            |        |                                      |           |             |                                                                                                                                    |                   |            |                                |                          |        |         |      |             |                 |
| AU06006     | A1199      | N 5141895 m, 18 353837 m | 31K07 |                   | Rocks picked up by des around garnet proxidite bolder                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |            |      |         |          |            |        |                                      |           |             |                                                                                                                                    |                   |            |                                |                          |        |         |      |             |                 |
| EB3BS1      | A1200      | N 5141881 m, 18 345843 m |       |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |            |      |         |          |            |        |                                      |           |             |                                                                                                                                    |                   |            |                                |                          |        |         |      |             |                 |
| AU02-203    | A1201      | N 5141923 m, 18 344317 m | 31K06 |                   | Soil, sample on the creek east of the Lac Branasat; taken near the road ~50m Old logging road on east side of Branasat                                                                                                                                                                                                                                                                                                                                                                                              |             |            |      |         |          |            |        | .5mm                                 |           |             |                                                                                                                                    |                   |            |                                |                          |        |         |      |             |                 |
| BA3T2       | A1202      | N 5142151 m, 18 344621 m | 31K06 |                   | A 0 -20cm. B; 20-70cm; orange brown. 105 clasts 20cm; subangular, gneissic and pegmatite, undulose contact. 70cm; yellow brown till, to grey; .5% clasts, 10cm max; clay rich; flat up from lake, white pine 70lbs 1/4"                                                                                                                                                                                                                                                                                             |             |            |      |         |          |            |        | .25- .5, .5-1mm, +1mm (<.25 not run) |           |             |                                                                                                                                    |                   |            |                                |                          |        |         |      |             |                 |

| Old Sample # | New Sample | UTM (E/N)                | NTS   | Description              | Field Notes                                                                                                                                                                                                                                                                                                                                                                                                                                             | Claim Block | Block | Inset | M.L. | 2mm-1mm | 1mm-.5mm | .5mm-.25mm | <.25mm | Probe | Lab Notes                                                         | Size .5-1mm                                                  | Picked Notes                                                                                                                                                                                            | Diamond | Pyrope G9 | Pyrope G10 | Total Pyrope | Chrome Diopside | Chromite-Spinel | limonite | Zircon | Olivine | Gold | Glass Balls | Magnetite |
|--------------|------------|--------------------------|-------|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|-------|------|---------|----------|------------|--------|-------|-------------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------|------------|--------------|-----------------|-----------------|----------|--------|---------|------|-------------|-----------|
| EA3T1        | A1203      | N 5142160 m, 18 344878 m | 31K08 |                          | A 0-10cm. 8,10cm-1.5m gneiss and pegmatites, clasts 40cm + brown orange; 30% clasts, many large clasts, subangular - subrounded. 1.5m Till, yellow brown, 80%clasts, 20-25cm. occasional clast -40cm; side slope: balsam, maple, birch; 50lbs, 1/4" >1mm, many pink, some red, 1 dark red garnet. some green diopside                                                                                                                                   |             |       |       |      |         |          |            |        |       |                                                                   |                                                              | Many deep red pyropes (5pcs) 1pc Chrom Diopside                                                                                                                                                         |         |           |            |              |                 |                 |          |        |         |      |             |           |
| EC18S1       | A1204      | N 5142200 m, 18 348692 m | 31K07 |                          | 20 lbs of stream; seeds from creek draining area of mafic o/c coincident with target C Block 1 of Eoudor claims; med to Large grained sand interlayered w/ loon silt                                                                                                                                                                                                                                                                                    |             |       |       |      |         |          |            |        |       |                                                                   |                                                              |                                                                                                                                                                                                         | 5       |           | Y          | Y            |                 |                 |          |        |         |      |             |           |
| V1003        | A1205      | N 5142387 m, 18 365420 m | 31K07 | glacial fluvial,3m depth |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             | 7-1   | Y     | Y    | C       | C        | C          | C      |       |                                                                   |                                                              |                                                                                                                                                                                                         |         |           |            |              |                 |                 |          |        |         |      |             |           |
| J906         | A1206      | N 5142773 m, 18 353300 m | 31K07 |                          | Gravel bag at wolf rapids                                                                                                                                                                                                                                                                                                                                                                                                                               |             |       |       |      |         |          |            |        |       | 5mm                                                               |                                                              |                                                                                                                                                                                                         |         |           |            |              |                 |                 |          |        |         |      |             |           |
| J905G        | A1207      | N 5142896 m, 18 353150 m | 31K07 |                          | At Gravel Bar in Coulange river at wolf rapids                                                                                                                                                                                                                                                                                                                                                                                                          |             |       |       |      |         |          |            |        |       | Relative %: >1mm: 10%; 1-0.5mm: 20%; 0.5-0.25mm: 20%; <.25mm: 50% |                                                              |                                                                                                                                                                                                         |         |           |            |              |                 |                 |          |        |         |      |             |           |
| V2000        | A1208      | N 5142883 m, 18 381277 m | 31K07 |                          | East side of lake - Moose Pasture in Making; south of the turn off to Bertrand lake                                                                                                                                                                                                                                                                                                                                                                     |             |       |       |      |         |          |            |        |       |                                                                   |                                                              |                                                                                                                                                                                                         |         |           |            |              |                 |                 |          |        |         |      |             |           |
| J1805        | A1209      | N 5143059 m, 18 360923 m | 31K07 |                          | Creek on South end of John Bull where it crosses Pendergast road, before Bertrand turn off to south                                                                                                                                                                                                                                                                                                                                                     |             |       |       |      |         |          | Y          |        |       |                                                                   |                                                              |                                                                                                                                                                                                         |         |           |            |              |                 |                 |          |        |         |      |             |           |
| V1005        | A1210      | N 5143059 m, 18 360923 m | 31K07 |                          | Stream north of intersection with Lac Bertrand; road running into south Bull creek, taken at bridge                                                                                                                                                                                                                                                                                                                                                     |             |       |       |      |         |          |            |        |       |                                                                   |                                                              |                                                                                                                                                                                                         |         |           |            |              |                 |                 |          |        |         |      |             |           |
| J1804        | A1211      | N 5143179 m, 18 381196 m | 31K07 |                          | Creek on John Bull and Pendergast Road from east/north side of bridge; drained from lac Lucas                                                                                                                                                                                                                                                                                                                                                           |             |       |       |      |         |          |            |        |       |                                                                   |                                                              |                                                                                                                                                                                                         |         |           |            |              |                 |                 |          |        |         |      |             |           |
| V1000        | A1212      | N 5143179 m, 18 361213 m | 31K07 |                          | This should be where lucas creek flows into John Bull around bend to the east from Bertrand road. Double check location.                                                                                                                                                                                                                                                                                                                                |             |       |       |      |         |          |            |        |       |                                                                   |                                                              |                                                                                                                                                                                                         |         |           |            |              |                 |                 |          |        |         |      |             |           |
| 4132         | A1213      | N 5143307 m, 18 350402 m | 31K07 | ablation                 | Dark sample with hornblendes etc. 2% garnets. Few                                                                                                                                                                                                                                                                                                                                                                                                       |             | 7-1   | Y     |      |         |          |            |        |       |                                                                   |                                                              | FEW REDISH, FEW PINK, FEW CHAMPAGNE, 2 AMBER, >5 LIGHT VIOLET ALMOST PURPLE. CRANBERRY                                                                                                                  |         |           |            |              |                 |                 |          |        |         |      |             |           |
| 4134         | A1214      | N 5143407 m, 18 351507 m | 31K07 | ablation                 | South of Lake LaRue                                                                                                                                                                                                                                                                                                                                                                                                                                     |             | 7-1   | Y     |      |         |          |            |        |       |                                                                   |                                                              | RED CRACKED WITH SUGAR SURFACE, LILAC, REDISH BROWN WITH SUGAR CUBE SURFACE (PYROPE)? BROWNS, PINKS, AMBERS, CHAMPAGNE. CR203 WITH GARNET, BLUE GLASS LIKE MINERAL, APATITE, BROWN MINERAL LIKE DIAMond |         |           |            |              |                 |                 |          |        |         |      |             |           |
| J909         | A1215      | N 5143516 m, 18 351585 m | 31K07 |                          | Lac la Rue, south west point                                                                                                                                                                                                                                                                                                                                                                                                                            |             |       |       |      |         |          |            |        |       | 5mm                                                               |                                                              |                                                                                                                                                                                                         |         |           |            |              |                 |                 |          |        |         |      |             |           |
| V1004        | A1216      | N 5143716 m, 18 360873 m | 31K07 |                          | Panned fine concentrate, very pink - 500 metres north of V1000 on John Bull                                                                                                                                                                                                                                                                                                                                                                             |             |       |       |      |         |          |            |        |       |                                                                   |                                                              |                                                                                                                                                                                                         |         |           |            |              |                 |                 |          |        |         |      |             |           |
| J908         | A1217      | N 5143963 m, 18 348491 m | 31K07 |                          | beaverdam At lac Larue flowing into Lac Bryson                                                                                                                                                                                                                                                                                                                                                                                                          |             |       |       |      |         |          |            |        |       | A great deal of pyrite in this one Big pcs Pyrite <1mm            |                                                              |                                                                                                                                                                                                         |         |           |            |              |                 |                 |          |        |         |      |             |           |
| 4131         | A1218      | N 5143998 m, 18 350610 m | 31K07 | ablation                 | West of LaRue south of top bay under the stream that flows towards Bryson.                                                                                                                                                                                                                                                                                                                                                                              |             | 7-1   | Y     |      |         |          |            |        |       |                                                                   |                                                              |                                                                                                                                                                                                         |         |           |            |              |                 |                 |          |        |         |      |             |           |
| J907         | A1219      | N 5144008 m, 18 348704 m | 31K07 |                          | Stream near beaverdam, east of it leading here                                                                                                                                                                                                                                                                                                                                                                                                          |             |       |       |      |         |          |            |        |       | 5mm                                                               |                                                              |                                                                                                                                                                                                         |         |           |            |              |                 |                 |          |        |         |      |             |           |
| 4130         | A1220      | N 5144015 m, 18 348406 m | 31K07 | stream                   | About 5% garnets of the following types: pink (few), violet pink, red, amber, orange, champagne, also a very dark red garnet like a pyrope. Almost no chrome diopside. A few apatite                                                                                                                                                                                                                                                                    |             | 7-1   | Y     |      |         |          |            |        |       |                                                                   |                                                              |                                                                                                                                                                                                         |         |           |            |              |                 |                 |          |        |         |      |             |           |
| 4129         | A1221      | N 5144114 m, 18 348503 m | 31K07 | basal                    | West top of LaRue where it drains towards Lac Bryson                                                                                                                                                                                                                                                                                                                                                                                                    |             | 7-1   | Y     |      |         |          |            |        |       |                                                                   |                                                              |                                                                                                                                                                                                         |         |           |            |              |                 |                 |          |        |         |      |             |           |
| 3005J        | A1222      | N 5144308 m, 18 352408 m | 31K07 | Till                     | ? + poss undiff till; stratigraphically overlain by GF sands (up hill); No GF sand in sample location ( as there is farther uphill); chestnut brown nears surface, yellow bin after -6"; clasts ~25%, size to - 40cm; 100 lbs, 1/4"; likely more glaciofluvial stuff                                                                                                                                                                                    |             | 7-1   | Y     | Y    | C       | C        | C          | S      |       |                                                                   | Many pyropes, 5pc chrome diopside 2pcs very pale apple green |                                                                                                                                                                                                         |         |           |            |              |                 | Y               | Y        |        |         |      |             |           |
| 4128         | A1223      | N 5144710 m, 18 346702 m | 31K07 | basal                    | LaRue                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             | 7-1   | Y     |      |         |          |            |        |       |                                                                   |                                                              |                                                                                                                                                                                                         |         |           |            |              |                 |                 |          |        |         |      |             |           |
| D58          | A1224      | N 5131878 m, 18 353174 m | 31K07 |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |       |       |      |         |          |            |        |       |                                                                   |                                                              |                                                                                                                                                                                                         |         |           |            |              |                 |                 |          |        |         |      |             |           |
| 3002N        | A1224      | N 5144850 m, 18 328505 m | 31K06 | G.F.                     | GF till; silty sand w/ ~ 25% cobbles to 30 cm; well rounded to subangular gneissic; grey sand; close to a standard sample; 50 kg no mesh; good sample; down ice from large anom. On Lamb Lake 1pc gold in sample very brassy gold colour. Gold is intact with angular edges as if it has not weathered at all. Very deep wine red Pyrope. No weathering on surface edges. Several pyropes extracted with kelpnilitic rims from the .25 - .5mm fraction. |             | 6-1   | Y     | Y    | G       | G        | G          | S      |       |                                                                   |                                                              |                                                                                                                                                                                                         |         |           |            |              |                 |                 |          |        |         |      |             |           |
| AIJ02-005    | A1225      | N 5145087 m, 18 348251 m |       |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |       |       |      |         |          |            |        |       |                                                                   |                                                              |                                                                                                                                                                                                         |         |           |            |              |                 |                 |          |        |         |      |             |           |

| Old Sample | New Sample | UTM (E/N)                | NTS   | Description      | Field Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Claim Block | Block | Inex | M.I. | 2mm-10mm | 1mm-5mm | .5mm-25mm | <.25mm | Probe                         | Lab Notes     | Size .5-1mm                                                                                           | Picked Notes | Diamond | Pyrope G9 | Pyrope G10 | Total Pyrope | Chrome Diopside | Chromite/Spinel | Zircon | Olivine | Gold | Glass Balls | Magnetic Balls |
|------------|------------|--------------------------|-------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|------|------|----------|---------|-----------|--------|-------------------------------|---------------|-------------------------------------------------------------------------------------------------------|--------------|---------|-----------|------------|--------------|-----------------|-----------------|--------|---------|------|-------------|----------------|
| 3000B      | A1228      | N 5145146 m, 18 345395 m | 31K06 | Grab             | GRAB-FLOAT; porphyritic boulders; large phenos of Cr-poor Diopside (to 10 cm) Euhedral to subhed. Minor phenos au rounded; <b>2 kelyphitic garnets noted in one megacryst</b> ; F.G. mafic matrix quite magnetic in places; diopside exhibits classic weathering texture along xtal cleavages; in some phenos poss <u>serpentine</u> ; sample 3000B - 20 lbs. 2. Major fault 454 503; normal -670; hard to massive as large (5m) peg vein has infilled and destroyed most of the margins; S. block definitely moved down.                                            |             | 7-1   | Y    | Y    |          |         |           |        |                               |               |                                                                                                       |              |         |           |            |              |                 |                 |        |         |      |             |                |
| 4127       | A1227      | N 5145407 m, 18 349929 m | 31K07 | ablation / basal | West top of LaRue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             | 7-1   | Y    |      |          |         |           |        |                               |               |                                                                                                       |              |         |           |            |              |                 |                 |        |         |      |             |                |
| AU02-003   | A1228      | N 5145476 m, 18 348438 m | 31K07 |                  | Till from the road on top of cliff, claimpost 113582; 686; 113591; 113588                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             |       |      |      |          |         |           |        |                               |               |                                                                                                       |              |         |           |            |              |                 |                 |        |         |      |             |                |
| LLQ1       | A1229      | N 5145499 m, 18 329824 m | 31K06 |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |       |      |      |          |         |           |        |                               |               |                                                                                                       |              |         |           |            |              |                 |                 |        |         |      |             |                |
| LLQ2       | A1230      | N 5145499 m, 18 329824 m | 31K06 |                  | KM1.3 Quarry after bridge round w boulders on top of thin sandy layer - boulders 10", 18" round; sand fine grained; quartz vein; very broken on south side of road, 6" wide. Rock descriptions: 1; marble calc. Rich with weak gneiss texture; clots with minor mag, f.q. to med; mafic gneiss f.q.; f.q. mafic gneiss clast with cemented frags of felds + mafics to side; garnet/mafic gneiss f-mg; mafic/weathered with oxide + micas likely gabbro; 2; gzo felds gneiss with epidote f-m; gzo felds gneiss f-m with pink/purple after-minor Fe in felds + mafics |             |       |      |      |          |         |           |        |                               |               |                                                                                                       |              |         |           |            |              |                 |                 |        |         |      |             |                |
| LLQ3       | A1231      | N 5145499 m, 18 329824 m | 31K06 |                  | Round garnet boulder very ragged on south side of road, approx. 14"x12"; rock descrip; weathered/rotten appearance- fe stain; obvious resistive garnets, modular; no fresh surface, break rock it crumbles; garnets + micas likely garnet gneiss                                                                                                                                                                                                                                                                                                                     |             |       |      |      |          |         |           |        |                               |               |                                                                                                       |              |         |           |            |              |                 |                 |        |         |      |             |                |
| LLQ3       | A1232      | N 5145499 m, 18 329824 m | 31K06 |                  | Bag of samples, same as LLQ2, green after, likely silic epidote in veinlets, mafic altered to micas and chlorite; see remnant texture of gneiss                                                                                                                                                                                                                                                                                                                                                                                                                      |             |       |      |      |          |         |           |        |                               |               |                                                                                                       |              |         |           |            |              |                 |                 |        |         |      |             |                |
| LLQ4       | A1233      | N 5145499 m, 18 329824 m | 31K06 |                  | - one piece; weathered orange surface, broken surface greenish with f.g. sed texture or gneissic lamination; appears to have clasts up to 2mm, could be alter product; purple staining on weathered surface; mafic dyke likely mafic cone of gneiss                                                                                                                                                                                                                                                                                                                  |             |       |      |      |          |         |           |        |                               |               |                                                                                                       |              |         |           |            |              |                 |                 |        |         |      |             |                |
| 3002V      | A1234      | N 5145520 m, 18 330503 m | 31K06 | G.F.             | GF till; STANDARD SAMPLE; large borrow pit S side Lamb Lake Rd. Lamb; 100 lbs (40 kg) 4 mm; excellent sample. Large sample, sized; good garnets, red pyrope? Magenta-mauve. +1 size, Chrome pyrope?. Similar to 3000P in flocking view, large sample; same 3002P                                                                                                                                                                                                                                                                                                     |             | 6-1   | Y    | Y    |          |         |           | S      |                               |               |                                                                                                       |              |         |           |            |              |                 |                 |        |         |      |             |                |
| AU02-002   | A1235      | N 5145640 m, 18 347641 m | 31K07 |                  | Soil from dry creek .75 km east of AU01001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |       |      |      |          |         |           |        |                               | 5mm (humus??) |                                                                                                       |              |         |           |            |              |                 |                 |        |         |      |             |                |
| 3002R      | A1236      | N 5145703 m, 18 331424 m | 31K06 | B.T.             | Basal till; Dark grey-brown silty sand w/ 60% angular clasts to > 1m in small road cut; down ice from 3rd Lamb lake target; 40 kg, 4mm; moderate-good sample; undifferentiated. O/c 313480; QFG large whaleback exposed by skidders; gn 1480 200, compressional features; peg vein ~1488. Sized and panned; high Ferro Mag; trace magnetite, moderate garnet                                                                                                                                                                                                         |             | 6-1   | Y    | Y    | G        | G       | G         | S      |                               |               |                                                                                                       |              |         |           |            |              |                 |                 |        |         |      |             |                |
| 4128       | A1237      | N 5145720 m, 18 350300 m | 31K07 | ablation         | Top of LaRue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             | 7-1   | Y    |      |          |         |           |        |                               |               |                                                                                                       |              |         |           |            |              |                 |                 |        |         |      |             |                |
| 3002W      | A1238      | N 5145807 m, 18 328603 m | 31K06 | G.F.             | GF seeds; small pit in area of sporadic till cover. In pocket on o/c red-brown silty sand; clasts: ~10%, gneissic, subrounded to 10 cm; 40 kg 4 mm; poor-moderate sample; o/c 286458; highly deformed QFG w/ mafic interbeds. S + Z. felds strike 1620 parallel to gneissosity. Sized; good garnet; poor magnetite; good ferro mag; flock sample                                                                                                                                                                                                                     |             | 6-1   | Y    | Y    | G        | G       | G         | S      |                               |               |                                                                                                       |              |         |           |            |              |                 |                 |        |         |      |             |                |
| AU02-001   | A1239      | N 5145898 m, 18 348183 m | 31K07 |                  | Bulk sample from creek on Bryson from large bay creek runs; n/a; 2 lbs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |       |      |      |          |         |           |        |                               |               |                                                                                                       |              |         |           |            |              |                 |                 |        |         |      |             |                |
| 3002U      | A1240      | N 5145912 m, 18 330107 m | 31K06 | G.F.             | GF till; borrow pit almost STANDARD SAMPLE; missing big boulders; 40 kg 4mm; gneissic clasts some solid polycrystalline Hbds, excellent sample                                                                                                                                                                                                                                                                                                                                                                                                                       |             | 6-1   | Y    | Y    |          |         |           | S      |                               |               | 6+ pos deep red wine pyrope garnet & several pos of poor green chrome diopside fpc could be very good |              |         |           |            | Y            | Y               |                 |        |         |      |             |                |
| 3002B      | A1241      | N 5146008 m, 18 331103 m | 31K06 | B.T.             | Basal till; grey yellow silty sand; ~45% clasts angular to subangular, size to 50 cm; more silt + fg sand than R; clasts are gneissic, QFG + M; 40 kg, 4mm; moderate sample. Sized, pan portion, good garnets, good ferro Mag, fair Mag; whole sample must be calcinated before INEX                                                                                                                                                                                                                                                                                 |             | 6-1   | Y    | Y    | G        | G       | G         | S      | P.J.                          |               |                                                                                                       |              |         |           |            |              |                 |                 |        |         |      |             |                |
| EC1T1      | A1242      | N 5148033 m, 18 341989 m | 31K06 |                  | Exposure of till onlapping AFCA. O/c at roadcut; ~2m in height, 20m width; grey brown till; clasts angular to subrounded; ~60% clasts to >1m; overburden stripped off for till on road; birch and poplar; ~90lb sample 1/4'                                                                                                                                                                                                                                                                                                                                          |             |       |      |      |          |         |           |        | 25-5mm, 5-1, +1 (<25 not run) |               |                                                                                                       |              |         |           |            |              |                 |                 |        |         |      |             |                |

| Old Sample | New Sample | UTM (E/N)                | NTS   | Description         | Field Notes                                                                                                                                                                                                                                                                                | Claim Block | Block | Text | M.L. | 2mm-1mm | 1mm-5mm | 5mm-25mm | <25mm | Probe | Lab Notes                                                                                                                                          | Size .5-1mm                                                                                | Picked Notes | Diamond | Pyrope G8 | Pyrope G10 | Total Pyrope | Chrome Diopside | Ilmenite | Chromite/Spinel | Zircon | Olivine | Gold | Glass Balls | Magnetic Balls |
|------------|------------|--------------------------|-------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|------|------|---------|---------|----------|-------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------|---------|-----------|------------|--------------|-----------------|----------|-----------------|--------|---------|------|-------------|----------------|
| EC1T2      | A1243      | N 5146041 m, 18 342286 m | 31K06 |                     | Yellow brown till undifferentiated in road cut. Blocks are mostly angular w/ variance to subrounded. ~60% clasts ranging from pebbles to >1m; ~90lb sample screened to 1/4" mesh; not as much V.F.G. pratter here as in last sample; maple, birch, balsam; High % of Bio + Hbd rich clasts |             |       |      |      |         |         |          |       |       | Hundreds of pyrope like garnets, deep red to lilac, pink purple to deep orange. Few apple green chrome diopside, & ilmenites,                      |                                                                                            |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| EC1T3      | A1244      | N 5146053 m, 18 342724 m |       |                     | <30cm till covering o/c QFG; ~100 lb sample of subangular to rounded clast till; clast % ~35%; meshed to 1/4"; recovered from depression in o/c + scrapes from skidders; clasts gneissic                                                                                                   |             |       |      |      |         |         |          |       |       | Hundreds of pyrope like garnets, deep red to lilac, pink purple to deep orange. Hundreds of apple green chrome diopside, & ilmenites, & a chromite |                                                                                            |              |         |           |            | Y            | Y               | 1        |                 |        |         |      |             |                |
| 3001C      | A1245      | N 5146204 m, 18 358910 m | 31K07 | G.F. sand           | G.F. sand from scrape jus S. of John Bull depot; yellow-brown med-coarse sand, round-subc. Clasts, gneissic; 30% clasts; likely sos as last sample, 120 lbs, 1/4"                                                                                                                          |             | 7-3   | Y    | Y    | G       | G       | G        | S     |       |                                                                                                                                                    |                                                                                            |              |         |           |            |              | Y               | Y        | Y               | Y      |         |      |             |                |
| 3000L      | A1246      | N 5146207 m, 18 346103 m | 31K06 | G.F.                | 70 lbs Glacial debris screened to 1/4"; very well orange formed orange-brown silt; likely G.F. as there are almost no fines, coarse sand predom.; clasts ~80%, max size ~30cm, subangular; grey-white sample, sideslope balsam; good sample.                                               |             | 7-1   | Y    | Y    | G       | G       | G        | S     |       |                                                                                                                                                    |                                                                                            |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 4083       | A1247      | N 5146304 m, 18 364417 m | 31K07 | reworked till basal |                                                                                                                                                                                                                                                                                            |             | 7-6   | Y    | Y    |         |         |          | S     |       |                                                                                                                                                    |                                                                                            |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 4104       | A1248      | N 5146316 m, 18 331510 m | 31K06 | basal               |                                                                                                                                                                                                                                                                                            |             | 6-1   | Y    |      |         |         |          |       |       |                                                                                                                                                    |                                                                                            |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| EB1T2      | A1249      | N 5146406 m, 18 340892 m |       |                     | A: 0-4cm B: 4-20cm orange-bn sandy silt. 20-60cm; yellow grey silty till. 55 clasts subr to 20cm; 60lb                                                                                                                                                                                     |             |       |      |      |         |         |          |       |       |                                                                                                                                                    |                                                                                            |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| EB1T1      | A1250      | N 5146411 m, 18 341183 m | 31K07 |                     | A 0-10cm B 10-30cm; red/bn silty clay. 30cm-1m orange-yellow 10% clasts subang - subround; clasts to 30cm; sideslope maple; 60 lb                                                                                                                                                          |             |       |      |      |         |         |          |       |       |                                                                                                                                                    |                                                                                            |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 4106       | A1251      | N 5146708 m, 18 332515 m | 31K06 | basal               |                                                                                                                                                                                                                                                                                            |             | 6-1   | Y    |      |         |         |          |       |       |                                                                                                                                                    |                                                                                            |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 4062       | A1252      | N 5146708 m, 18 364510 m | 31K07 | off asker           |                                                                                                                                                                                                                                                                                            |             | 7-4   | Y    | Y    |         |         |          | S     |       |                                                                                                                                                    |                                                                                            |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 3002Q      | A1253      | N 5146713 m, 18 329902 m | 31K06 | B.T.                | Basal till; very tightly packed; in road cut; clasts to 70% (+ 1 m); grey brown; angular to sub angular; gneissic clasts; 40kg, 4mm, good sample. Sized, pan; good garnets; multi colors; orange, pink, red; High FerroMag; Large Mag frac.; large sample; clean                           |             | 6-1   | Y    | Y    |         |         |          | S     |       |                                                                                                                                                    | 4pcs very deep wine red pyrope garnet, 2pcs poor apple green chrome diopside, 2pc ilmenite |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| ER#3       | A1254      | N 5146716 m, 18 342014 m |       |                     |                                                                                                                                                                                                                                                                                            |             |       |      |      |         |         |          |       |       |                                                                                                                                                    |                                                                                            |              |         |           |            |              | Y               | Y        | Y               |        |         |      |             |                |
| V1007      | A1255      | N 5146761 m, 18 356608 m | 31K07 |                     | Stream in claim area running west to east near hunting cabin on left of road                                                                                                                                                                                                               |             |       |      |      |         |         |          |       |       |                                                                                                                                                    |                                                                                            |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 3000M      | A1256      | N 5146803 m, 18 344807 m | 31K06 | G.F. sand           | skim sample from cleared parking area on E shoulder of road; Orange-brown silty sand w/ minor organic; clasts ~50% size to 30 cm rounded to subang.; 40 kg sample screened to 5 mm, pebble sample also taken. Sized + sys                                                                  |             | 7-1   | Y    | Y    | G       | G       | G        | G     |       |                                                                                                                                                    |                                                                                            |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| ER#2       | A1257      | N 5146823 m, 18 342128 m |       |                     | (map) Block 1 near t/c; fine grained Hbde gt. Gneiss; Hbde and gt to 2mm-3mm; locally large (5mm) bocks of blo (leached); Hbde 80%, Qt 20%, fepcr 15%, Blo 55; gt is ringed by fspan sample                                                                                                |             |       |      |      |         |         |          |       |       |                                                                                                                                                    |                                                                                            |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 3002P      | A1258      | N 5146925 m, 18 329603 m | 31K06 | G.F.                | In road cut N side of rd.; STANDARD SAMPLE; yellow-brown GF seds; lots of clasts max 50 cm; 100 lbs, 4 mm; excellent sample. Bly sample clean; uniform distribution of size material; 1hr 15min time; large heavy panned = distribution in hoavis across each side; large concentration    |             | 6-1   | Y    | Y    |         |         |          | S     |       |                                                                                                                                                    |                                                                                            |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 3002O      | A1259      | N 5147007 m, 18 328402 m | 31K06 | G.F. sand           | Well sorted GF sands, most heavies will come from top layer; poor-moderate sample; 40kg 4mm mesh. Sized and Panned, good garnets, moderate FerroMag; minor Magnetite                                                                                                                       |             | 6-1   | Y    | Y    |         |         |          | S     |       |                                                                                                                                                    |                                                                                            |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 4106       | A1260      | N 5147113 m, 18 333821 m | 31K06 | ablation            |                                                                                                                                                                                                                                                                                            |             | 6-1   | Y    |      |         |         |          |       |       |                                                                                                                                                    |                                                                                            |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 3002T      | A1261      | N 5147216 m, 18 331105 m | 31K06 | B.T.                | Basal till, grey; ~ 30% clasts; subangular-subround, max ~ 50cm; silty fine-med gnd sand; 40 kg, 4mm, good sample; Roadcut ~ 3 m in height. Very clay rich, but clean fairly easily; sample needs to be treated (calgonite) in lab pan; good garnets; good mag                             |             | 6-1   | Y    | Y    | G       | G       | G        | S     |       |                                                                                                                                                    |                                                                                            |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 4106       | A1262      | N 5147416 m, 18 330907 m | 31K06 | basal               |                                                                                                                                                                                                                                                                                            |             | 6-1   | Y    |      |         |         |          |       |       |                                                                                                                                                    | ilmenites, all colours of garnet - purple/pink, chrome diopside.                           |              |         |           |            |              |                 |          |                 |        |         |      |             |                |

| Old Sample | New Sample | UTM (E/N)                | NTS   | Description      | Field Notes                                                                                                                                                                                                                                                                                                                                                                         | Chain Block       | Block | Inset | M.L. | 2mm-1mm | 1mm-.5mm | .5mm-.25mm | <.25mm | Probe                                                              | Lab Notes | Size .5-1mm                                                                                    | Picked Notes                                                                                                                                                                          | Diamond | Pyrope G8 | Pyrope G10 | Total Pyrope | Chrome Diopside | Ilmenite | Chromite/Spinel | Zircon | Olivine | Gold | Glass Balls | Magnetic Balls |
|------------|------------|--------------------------|-------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------|-------|------|---------|----------|------------|--------|--------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------|------------|--------------|-----------------|----------|-----------------|--------|---------|------|-------------|----------------|
| ER#1       | A1263      | N 5147466 m, 18 342944 m |       |                  | Block2, 6 of Lac Gerland (e end) ~30cm of o/p; rock sample. Diabase dyke; trend n/s?; stand in relief 1-2m from surrounding overburden; dyke itself is heavily covered; many boulders at surface and only one place which may be o/c; boulders likely felsenmeer; dyke width 3m; rx's pale to dark brown on weathered surface, dark grey to black on fresh. Weathered to ~2cm depth |                   |       |       |      |         |          |            |        |                                                                    |           |                                                                                                |                                                                                                                                                                                       |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 4110       | A1264      | N 5147916 m, 18 332109 m | 31K06 | basal            |                                                                                                                                                                                                                                                                                                                                                                                     |                   | 6-1   | Y     |      |         |          |            |        |                                                                    |           |                                                                                                | Many pcs of chrome diopside some purple/clear gamets - could be pyrope. No ilmenite                                                                                                   |         |           |            | Y            |                 |          |                 |        |         |      |             |                |
| 4108       | A1265      | N 5147713 m, 18 331408 m | 31K06 | basal            |                                                                                                                                                                                                                                                                                                                                                                                     |                   | 6-1   | Y     |      |         |          |            |        |                                                                    |           |                                                                                                |                                                                                                                                                                                       |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 4107       | A1266      | N 5147738 m, 18 331205 m | 31K06 | basal            |                                                                                                                                                                                                                                                                                                                                                                                     |                   | 6-1   | Y     |      |         |          |            |        |                                                                    |           |                                                                                                | A billion different types/colours of gamet maybe a pyrope? Purple/pink gamets. ilmenites, chrome diopside                                                                             |         |           |            |              |                 |          |                 |        |         |      |             |                |
| K-347      | A1267      | N 5147761 m, 18 330888 m | 31K06 |                  | Near 328, from dried up creek.                                                                                                                                                                                                                                                                                                                                                      |                   |       |       |      |         |          |            |        |                                                                    |           |                                                                                                |                                                                                                                                                                                       |         |           |            |              |                 |          |                 |        |         |      |             |                |
| EA1T2      | A1268      | N 5147794 m, 18 341859 m | 31K06 |                  | No developed soil here; Quite wet and heavily disturbed by logging; thin sporadic till cover in crevices of o/c; orange brown grading to gray as in EA1T1 but far fewer clasts 5-10% largest ~10cm more clay rich. 5-1mm, over 50% pink, some red, a few chrome diopside.                                                                                                           |                   |       |       |      |         |          |            |        | .5-1mm, 25-5 (<.25 not run)                                        |           | Many pyrope. More than 10 chrome diopsides, 1 pc looks like small >.5mm diamond, metallic ball |                                                                                                                                                                                       |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 3001A      | A1269      | N 5147807 m, 18 343420 m | 31K06 | G.F.             | Glacioclivial till; orange bin sed. minor bedding obs; grey GF sed; Clasts to 80cm, most <10cm; subangular-subround, form ~45% of till; ~60lb screened to 3mm; pebble sample also taken; not well sorted; fair amount of clay                                                                                                                                                       |                   | 7-1   | Y     | Y    | G       | G        | G          | S      |                                                                    |           |                                                                                                |                                                                                                                                                                                       | 3       | Y         | Y          |              |                 |          |                 | Y      |         |      | Y           |                |
| EA1T1      | A1270      | N 5147860 m, 18 342497 m | 31K06 |                  | A; 10cm, B12cm: A and B very poorly developed; Undifferentiated till; grades from yellow-brown at top to grey at ~1mdepth; clasts from angular to rounded-no orientation; ~20% of till in clasts; matrix fine sand to clay predom.; local clasts to 1m; Road cut; soft sed. deformation structures seen at bottom in more clay rich zone (compressional)                            |                   |       |       |      |         |          |            |        | .25-.5, 5-1, +1 (<.25 not run)                                     |           |                                                                                                |                                                                                                                                                                                       |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 4113       | A1271      | N 5147996 m, 18 331018 m | 31K06 | basal            |                                                                                                                                                                                                                                                                                                                                                                                     |                   | 6-1   | Y     |      |         |          |            |        |                                                                    |           |                                                                                                | Very purple/pink gamets (could be G8?) ilmenite, chromite, olivine.                                                                                                                   |         |           |            | Y            | Y               |          |                 |        |         |      |             |                |
| K-322      | A1272      | N 5148063 m, 18 330910 m | 31K06 |                  | Rock found on trail on anomaly area appx 1.212 km in (from hipchain distance) total 1.761 km Found on trail on anomaly on west side of hill Gamets shown on rock                                                                                                                                                                                                                    | 2 km in (from hip |       |       |      |         |          |            |        |                                                                    |           |                                                                                                |                                                                                                                                                                                       |         |           |            |              |                 | Y        | Y               |        | Y       |      |             |                |
| 3001B      | A1273      | N 5148061 m, 18 357499 m | 31K07 | G.F.             | GF. Sand from borrow pit near fork in rd. N of John bull depot; clast 16%, rounded to sub. gneissic - all types; brown-yellow coarse-mednd sand; 120 lbs. 1/4" mesh                                                                                                                                                                                                                 |                   | 7-3   | Y     | Y    | G       | G        | G          | S      |                                                                    |           |                                                                                                |                                                                                                                                                                                       |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 4111       | A1274      | N 5148106 m, 18 332904 m | 31K06 | basal / reworked |                                                                                                                                                                                                                                                                                                                                                                                     |                   | 6-1   | Y     |      |         |          |            |        |                                                                    |           |                                                                                                | Many pcs of gamets - all colours. 1pc with orange peel - could be pyrope.                                                                                                             |         |           |            |              |                 |          |                 |        |         |      |             |                |
| LL06       | A1275      | N 5148113 m, 18 329989 m | 31K06 |                  | Km 6.4 Gabbro, south west of road; med to c.gn. Mafic (amph) and felds. no or minor gtz - iron staining; likely mid grain amphibolite or gabbro                                                                                                                                                                                                                                     |                   |       |       |      |         |          |            |        |                                                                    |           |                                                                                                |                                                                                                                                                                                       |         |           |            |              |                 |          |                 |        |         |      |             |                |
| V1008      | A1276      | N 5148150 m, 18 367501 m | 31K07 |                  | South Bull creek; North of the logging camp Cold; at the bridge taking old road to Maniwaki: sample is before 1005 and after V1004                                                                                                                                                                                                                                                  |                   |       |       |      |         |          |            |        |                                                                    |           |                                                                                                |                                                                                                                                                                                       |         |           |            |              |                 |          |                 |        |         |      |             |                |
| J1803      | A1277      | N 5148157 m, 18 357582 m | 31K07 |                  | Panned: soil stream; near bridge J. Bull: river North                                                                                                                                                                                                                                                                                                                               |                   |       |       |      |         |          |            |        | .25mm + .5mm                                                       |           |                                                                                                |                                                                                                                                                                                       |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 4103       | A1278      | N 5148202 m, 18 330625 m | 31K06 | ablation         |                                                                                                                                                                                                                                                                                                                                                                                     |                   | 6-1   | Y     |      |         |          |            |        |                                                                    |           |                                                                                                | Lg Cr diopside light green. Almost 0 gamets. Sample is 95% hornblnd                                                                                                                   |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 4112       | A1279      | N 5148203 m, 18 333611 m | 31K06 | basal / oxidized |                                                                                                                                                                                                                                                                                                                                                                                     |                   | 6-1   | Y     |      |         |          |            |        |                                                                    |           |                                                                                                |                                                                                                                                                                                       |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 4125       | A1280      | N 5148701 m, 18 330615 m | 31K06 | basal            |                                                                                                                                                                                                                                                                                                                                                                                     |                   | 6-1   | Y     |      |         |          |            |        |                                                                    |           |                                                                                                | .5 & 1mm all colours of gamets (1 possible dark wine red pyrope <1mm) 5-7 pcs ilmenite Several lg pcs FeS2 Several pcs green diopside very dirty apple green need to be probed for Cr |         |           |            | Y            | Y               |          |                 |        |         |      |             |                |
| 4061       | A1281      | N 5148783 m, 18 372406 m | 31K07 | basal            |                                                                                                                                                                                                                                                                                                                                                                                     |                   | 7-4   | Y     | Y    |         |          | S          |        |                                                                    |           |                                                                                                |                                                                                                                                                                                       |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 4118       | A1282      | N 5148814 m, 18 332406 m | 31K06 | stream           |                                                                                                                                                                                                                                                                                                                                                                                     |                   | 6-1   | Y     |      |         |          |            |        |                                                                    |           |                                                                                                | BROWN, RED, PINK, ORANGE, AMBER, CHAMPAGNE. Many purple/pink gamets & some deep wine red                                                                                              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| K-359      | A1283      | N 5148910 m, 18 329060 m | 31K06 |                  | Island target Lamb Lake                                                                                                                                                                                                                                                                                                                                                             |                   |       |       |      |         |          |            |        | Relative %: >1mm: 20%; 1-0.5mm: 20%; 0.5-0.25mm: 30%; <0.25mm: 30% |           |                                                                                                |                                                                                                                                                                                       |         |           |            |              |                 |          |                 |        |         |      |             |                |

| Old Sample | New Sample | UTM (EUN)                | NTS   | Description        | Field Notes                                                                                                                                                                                                                                                                              | Chain Block | Block Inset | M.L. | 2mm-1mm | 1mm-5mm | .5mm-.25mm | <.25mm | Probe | Lab Notes                                                          | Size .5-1mm                                                                                                                                                                                           | Picked Notes | Diamond Pyrope G6 | Pyrope G8 | Pyrope G10 | Total Pyrope Chrome Diopside | Ilexite | Chromite/Sphalerite | Zircon | Olivine | Gold | Glass Balls | Magnetic Balls |
|------------|------------|--------------------------|-------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|------|---------|---------|------------|--------|-------|--------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------|-----------|------------|------------------------------|---------|---------------------|--------|---------|------|-------------|----------------|
| K-321      | A1284      | N 5149008 m, 18 330234 m | 31K06 |                    | Road to Lamb lake; mileage 82; followed road turn off toward top of forest, good road; rock samples from road cut, possible Alluvial preglacial till. On lamb lake road, near boat launch on east shore of Lamb Lake. Rock turned up from road cut, possibly alluvial or preglacial till |             |             |      |         |         |            |        |       |                                                                    |                                                                                                                                                                                                       |              |                   |           |            |                              |         |                     |        |         |      |             |                |
| K-358      | A1285      | N 5149030 m, 18 328987 m |       |                    | Island target Lamb Lake                                                                                                                                                                                                                                                                  |             |             |      |         |         |            |        |       | Relative %: >1mm: 30%; 1-0.5mm: 16%; 0.5-0.25mm: 26%; <0.25mm: 30% |                                                                                                                                                                                                       |              |                   |           |            |                              |         |                     |        |         |      |             |                |
| 4117       | A1288      | N 5149030 m, 18 331090 m | 31K06 | stream             |                                                                                                                                                                                                                                                                                          |             | 8-1 Y       |      |         |         |            |        |       |                                                                    |                                                                                                                                                                                                       |              |                   |           |            |                              |         |                     |        |         |      |             |                |
| 4123       | A1287      | N 5149067 m, 18 330515 m | 31K06 | pioneer sample     | No garnets in sample. This sample is mainly lights, quartz and mica. It has no hornblendes etc. Check sample location for reason for no heavies.                                                                                                                                         |             | 8-1 Y       |      |         |         |            |        |       |                                                                    | No garnets in sample. This sample is mainly lights, quartz & mica. It has no hornblendes etc. Check sample location for reason for no heavies.                                                        |              |                   |           |            |                              |         |                     |        |         |      |             |                |
| 4118       | A1288      | N 5149108 m, 18 332001 m | 31K06 | eskerene / fluvial |                                                                                                                                                                                                                                                                                          |             | 8-1 Y       |      |         |         |            |        |       |                                                                    |                                                                                                                                                                                                       |              |                   |           |            |                              |         |                     |        |         |      |             |                |
| 4119       | A1289      | N 5149108 m, 18 332001 m | 31K06 | stream             |                                                                                                                                                                                                                                                                                          |             | 8-1 Y       |      |         |         |            |        |       |                                                                    |                                                                                                                                                                                                       |              |                   |           |            |                              |         |                     |        |         |      |             |                |
| 4102       | A1290      | N 5149108 m, 18 331918 m | 31K06 | stream             | Large sample containing 15% garnets. Colours: pink, champagne, lilac/pinkish, amber, brown, purplish (may not be garnet), red, cranberry, dark red, yellow. Some or diopside, apatite, clear garnets.                                                                                    |             | 8-1 Y       |      |         |         |            |        |       |                                                                    | Large sample containing 15% garnets. Colours: pink, champagne, lilac/pinkish, amber, brown, purplish (may not be garnet), red, cranberry, dark red, yellow. Some Cr Diopside, Apatite, clear garnets. |              |                   |           |            |                              |         |                     |        |         |      |             |                |
| K-354      | A1291      | N 5149301 m, 18 328970 m | 31K06 | stream             | Island target Lamb Lake                                                                                                                                                                                                                                                                  |             |             |      |         |         |            |        |       |                                                                    |                                                                                                                                                                                                       |              |                   |           |            |                              |         |                     |        |         |      |             |                |
| 4101       | A1292      | N 5149320 m, 18 331617 m | 31K06 | stream             |                                                                                                                                                                                                                                                                                          |             | 8-1 Y       |      |         |         |            |        |       |                                                                    | Bright chrome diopside. Many pcs of garnet all colours & some purple/pink                                                                                                                             |              |                   |           |            |                              | Y       |                     |        |         |      |             |                |
| 4122       | A1293      | N 5149321 m, 18 330506 m | 31K06 | pioneer sample     | No garnets in sample. This sample is mainly lights, quartz and mica. It has no hornblendes etc. Same type of sample as 4123. Check sample location for reason for no heavies.                                                                                                            |             | 8-1 Y       |      |         |         |            |        |       |                                                                    | No garnets in sample. This sample is mainly lights, quartz & mica. It has no hornblendes etc. Check sample location for reason for no heavies. Same type of sample as 4123                            |              |                   |           |            |                              |         |                     |        |         |      |             |                |
| K-353      | A1294      | N 5149338 m, 18 328866 m | 31K06 |                    | Island target Lamb Lake                                                                                                                                                                                                                                                                  |             |             |      |         |         |            |        |       |                                                                    |                                                                                                                                                                                                       |              |                   |           |            |                              |         |                     |        |         |      |             |                |
| K-357      | A1295      | N 5149348 m, 18 328836 m | 31K06 |                    | Island target Lamb Lake                                                                                                                                                                                                                                                                  |             |             |      |         |         |            |        |       |                                                                    |                                                                                                                                                                                                       |              |                   |           |            |                              |         |                     |        |         |      |             |                |
| K-312      | A1296      | N 5149351 m, 18 329704 m | 31K06 |                    | Lamb lake near cabin                                                                                                                                                                                                                                                                     |             |             |      |         |         |            |        |       | Bulk                                                               |                                                                                                                                                                                                       |              |                   |           |            |                              |         |                     |        |         |      |             |                |
| 4100       | A1297      | N 5149357 m, 18 331508 m | 31K06 | recent stream      |                                                                                                                                                                                                                                                                                          |             | 8-1 Y       |      |         |         |            |        |       |                                                                    | Strange looking pyrope like garnets with kelyphitic rim. The garnet looks like a champagne garnet. Some apple green chrome diopside.                                                                  |              |                   |           |            |                              | Y       |                     |        |         |      |             |                |
| K-314      | A1298      | N 5149351 m, 18 329472 m | 31K06 |                    | 70m east from sample 313 along shore                                                                                                                                                                                                                                                     |             |             |      |         |         |            |        |       |                                                                    |                                                                                                                                                                                                       |              |                   |           |            |                              |         |                     |        |         |      |             |                |
| K-355      | A1299      | N 5149366 m, 18 328785 m | 31K06 |                    | Island target Lamb Lake                                                                                                                                                                                                                                                                  |             |             |      |         |         |            |        |       | Bulk                                                               |                                                                                                                                                                                                       |              |                   |           |            |                              |         |                     |        |         |      |             |                |
| 4114       | A1300      | N 5149404 m, 18 334104 m | 31K06 | ablation           |                                                                                                                                                                                                                                                                                          |             | 8-1 Y       |      |         |         |            |        |       |                                                                    |                                                                                                                                                                                                       |              |                   |           |            |                              |         |                     |        |         |      |             |                |
| K-313      | A1301      | N 5149417 m, 18 329304 m | 31K06 |                    | On beach of Lamb lake, east of island appx 500m from stream. 250m east from 312                                                                                                                                                                                                          |             |             |      |         |         |            |        |       |                                                                    |                                                                                                                                                                                                       |              |                   |           |            |                              |         |                     |        |         |      |             |                |
| K-356      | A1302      | N 5149439 m, 18 328609 m |       |                    | Island target Lamb Lake                                                                                                                                                                                                                                                                  |             |             |      |         |         |            |        |       | Relative %: >1mm: 20%; 1-0.5mm: 10%; 0.5-0.25mm:10%; <0.25mm: 60%  | Several G10's                                                                                                                                                                                         |              |                   |           |            |                              |         |                     |        |         |      |             |                |
|            |            |                          | 31K06 |                    |                                                                                                                                                                                                                                                                                          |             |             |      |         |         |            |        |       |                                                                    |                                                                                                                                                                                                       |              |                   |           |            |                              |         |                     |        |         |      |             |                |
| K-316      | A1303      | N 5149439 m, 18 328698 m | 31K06 |                    | 50m west of sample 315 in anomaly area                                                                                                                                                                                                                                                   |             |             |      |         |         |            |        |       |                                                                    |                                                                                                                                                                                                       |              |                   |           |            | Y                            |         |                     |        |         |      |             |                |
| K-315      | A1304      | N 5149446 m, 18 328940 m | 31K06 |                    | On shore N. of island                                                                                                                                                                                                                                                                    |             |             |      |         |         |            |        |       |                                                                    |                                                                                                                                                                                                       |              |                   |           |            |                              |         |                     |        |         |      |             |                |
| K-351      | A1305      | N 5149451 m, 18 331485 m |       |                    | 290m downstream (West)                                                                                                                                                                                                                                                                   |             |             |      |         |         |            |        |       | Relative %: >1mm: 20%; 1-0.5mm: 40%; 0.5-0.25mm:30%; <0.25mm: 10%  |                                                                                                                                                                                                       |              |                   |           |            |                              |         |                     |        |         |      |             |                |
|            |            |                          | 31K06 |                    |                                                                                                                                                                                                                                                                                          |             |             |      |         |         |            |        |       |                                                                    |                                                                                                                                                                                                       |              |                   |           |            |                              |         |                     |        |         |      |             |                |
| K-317      | A1306      | N 5149464 m, 18 328690 m |       |                    | Sample contains lots of garnets, some are pinkish to almost purple. Several pcs of green mineral could be chrome diopside. In small bay across from island anomaly area                                                                                                                  |             |             |      |         |         |            |        |       |                                                                    |                                                                                                                                                                                                       |              |                   |           |            |                              |         |                     |        |         |      |             |                |
|            |            |                          | 31K06 |                    |                                                                                                                                                                                                                                                                                          |             |             |      |         |         |            |        |       |                                                                    |                                                                                                                                                                                                       |              |                   |           |            |                              |         |                     |        |         |      |             |                |
| K-318      | A1307      | N 5149473 m, 18 328665 m | 31K06 |                    | Taken around bend/point from 317 marshy area                                                                                                                                                                                                                                             |             |             |      |         |         |            |        |       |                                                                    |                                                                                                                                                                                                       |              |                   |           |            |                              |         |                     |        |         |      |             |                |
| K-320      | A1308      | N 5149478 m, 18 329247 m | 31K06 |                    | Rock sample taken 200m north of 314                                                                                                                                                                                                                                                      |             |             |      |         |         |            |        |       |                                                                    |                                                                                                                                                                                                       |              |                   |           |            |                              |         |                     |        |         |      |             |                |
| K-319      | A1309      | N 5149481 m, 18 328899 m | 31K06 |                    | Taken in woods North of sample 316                                                                                                                                                                                                                                                       |             |             |      |         |         |            |        |       |                                                                    |                                                                                                                                                                                                       |              |                   |           |            |                              |         |                     |        |         |      |             |                |
| 3000C      | A1310      | N 5149483 m, 18 345089 m | 31K06 | rock               | Med grained mafic rock; possibly as a lens within gneiss as there is no continuity to the other side of the island (meta Gabbro?); 4510E 4952N; chlor, Hbde, bto, poss al; minor Po Minor Gts; ASSAY, WR + CaPbZn (Pi)                                                                   | 7-1 Y       | Y           |      |         |         |            |        |       |                                                                    |                                                                                                                                                                                                       |              |                   |           |            |                              |         |                     |        |         |      |             |                |

| Old Sample | New Sample | UTM (E/N)                | NYS   | Description      | Field Notes                                                                                                                                                                                                                                                             | Claim Block | Block | Incl | M.L. | 2mm-1mm | 1mm-.5mm | .5mm-.25mm | <.25mm | Probe | Lab Notes                                                        | Size .5-1mm | Picked Notes | Diamond | Pyrope Gr | Pyrope G10 | Total Pyrope | Chromite Diopside | Ilmenite | Chromite/Spinel | Zircon | Olivine | Gold | Glass Balls | Manganese Ratio |
|------------|------------|--------------------------|-------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|------|------|---------|----------|------------|--------|-------|------------------------------------------------------------------|-------------|--------------|---------|-----------|------------|--------------|-------------------|----------|-----------------|--------|---------|------|-------------|-----------------|
| 3002L      | A1311      | N 5149498 m, 18 331402 m | 31K06 | B.T.             | Basal tilt ~ 5 m of 70% angular clasts draped over a highly fractured QFG to peg. Ols which appears as a red colour in till; grey to red tin clay rich, very poorly sorted; clasts to 60 cm, gneissic; 50 kg unsorted                                                   | 6-1         | Y     | Y    |      | G       | G        | G          | S      |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 4120       | A1312      | N 5149504 m, 18 332504 m | 31K06 | ablation         |                                                                                                                                                                                                                                                                         | 6-1         | Y     |      |      |         |          |            |        |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 4124       | A1313      | N 5149506 m, 18 331814 m | 31K06 | ablation / basal | some green diopside (cr?), good chromite crystal, some ilmenites. Garnets all look crustal.                                                                                                                                                                             | 6-1         | Y     |      |      |         |          |            |        |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 4121       | A1314      | N 5149516 m, 18 330503 m | 31K06 | plonjer sample   |                                                                                                                                                                                                                                                                         | 6-1         | Y     |      |      |         |          |            |        |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| K-350      | A1315      | N 5149535 m, 18 331759 m | 31K06 |                  | 100m downstream (West)                                                                                                                                                                                                                                                  |             |       |      |      |         |          |            |        |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| K-324      | A1316      | N 5149549 m, 18 331335 m | 31K06 |                  | Taken appx 15' from east side of bridge (away from lake)                                                                                                                                                                                                                |             |       |      |      |         |          |            |        |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| K-323      | A1317      | N 5149559 m, 18 331259 m | 31K06 |                  | ROCK Found near bridge feeding Lamb lake                                                                                                                                                                                                                                |             |       |      |      |         |          |            |        |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| K-382      | A1318      | N 5149573 m, 18 331361 m | 31K06 |                  | 100m downstream 10m up from bridge.                                                                                                                                                                                                                                     |             |       |      |      |         |          |            |        |       |                                                                  | Bulk        |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 3002K      | A1319      | N 5149595 m, 18 332007 m | 31K06 | Reworked         | Reworked till?; road cut; clasts ~ 40% size to 1 m, rounded to angular; gneissic clasts QFG mostly, plumes boils of sand and clays in layers; possibly a standard sample; grey below yellow surface; 50 kg no mesh; good sample. Sized + linex + dried                  | 6-1         | Y     | Y    |      | G       | G        | G          | S      |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| K-346      | A1320      | N 5149619 m, 18 332338 m | 31K06 |                  | Target 13                                                                                                                                                                                                                                                               |             |       |      |      |         |          |            |        |       |                                                                  | Bulk        |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| K-346      | A1321      | N 5149712 m, 18 332333 m | 31K06 |                  | Eastern Lamb Lake target (#13)                                                                                                                                                                                                                                          |             |       |      |      |         |          |            |        |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 3003X      | A1322      | N 5149738 m, 18 331205 m | 31K06 | Stream           |                                                                                                                                                                                                                                                                         | 6-1         | Y     | Y    |      | G       | G        | G          | S      |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 3003Y      | A1323      | N 5149744 m, 18 331307 m | 31K06 | Stream           |                                                                                                                                                                                                                                                                         | 6-1         | Y     | Y    |      | G       | G        | G          | S      |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| K-348      | A1324      | N 5149756 m, 18 332012 m | 31K06 |                  | 300m North from 347, near creek                                                                                                                                                                                                                                         |             |       |      |      |         |          |            |        |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| K-328      | A1325      | N 5149766 m, 18 332335 m | 31K06 |                  | Near same location as 327                                                                                                                                                                                                                                               |             |       |      |      |         |          |            |        |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| K-348      | A1326      | N 5149800 m, 18 331954 m | 31K06 |                  | 200m North from 326                                                                                                                                                                                                                                                     |             |       |      |      |         |          |            |        |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| K-327      | A1327      | N 5149836 m, 18 332353 m | 31K06 |                  | Rock sample Taken from same stream as 326                                                                                                                                                                                                                               |             |       |      |      |         |          |            |        |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| K-325      | A1328      | N 5149843 m, 18 332182 m | 31K06 |                  | Creek appx 500m after bridge; interesting sample; follow road along to target 13 cut line/road hipchain 700m; good rock terrain good                                                                                                                                    |             |       |      |      | h       |          |            |        |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| K-326      | A1329      | N 5149868 m, 18 332278 m | 31K06 |                  | Taken from anomaly north side of hill, dried up stream                                                                                                                                                                                                                  |             |       |      |      |         |          |            |        |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 4115       | A1330      | N 5150208 m, 18 333308 m | 31K06 | basal / reworked |                                                                                                                                                                                                                                                                         | 6-1         | Y     |      |      |         |          |            |        |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 3002J      | A1331      | N 5150206 m, 18 333594 m | 31K06 | G.F.             | Imbibition - flow 2200; large burrow pit off to the S side of the Lamb lake road; GF seds; clasts to 1.5 m; STANDARD SAMPLE; yellow gray- red brown .... Surface; clasts to 1 m; gneissic (QFG predom.); minor amphibolite & peg. Clasts; clasts- 80%; excellent sample | 6-1         | Y     | Y    |      | G       | G        | G          | S      |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 4087       | A1332      | N 5150407 m, 18 382003 m | 31K10 | ablation         |                                                                                                                                                                                                                                                                         | 10-5Y       | Y     |      |      |         |          |            | S      |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 4088       | A1333      | N 5150700 m, 18 379904 m | 31K10 | ablation         |                                                                                                                                                                                                                                                                         | 10-5Y       | Y     |      | Y    | G       | G        | G          | S      |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 4080       | A1334      | N 5150755 m, 18 378400 m | 31K10 | basal            |                                                                                                                                                                                                                                                                         | 10-5Y       | Y     |      | Y    | G       | G        | G          | S      |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 4009       | A1335      | N 5150808 m, 18 334604 m | 31K06 | G.F.             | Just W. of creek, gravel pit area, good spot for high energy deposition                                                                                                                                                                                                 | 6-1         | Y     | Y    |      |         |          |            | S      |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 4089       | A1336      | N 5150903 m, 18 378805 m | 31K10 | ablation         |                                                                                                                                                                                                                                                                         | 10-6Y       | Y     |      | Y    | G       | G        | G          | S      |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 3000P      | A1337      | N 5151199 m, 18 346707 m | 31K06 | G.F.             | Sand sample from bowl-like end of bay; layered mat/QFG. In area; 1 bag natures heavies; ~ 30 lbs. skimmed coarse grd. Sand; EW/ of here                                                                                                                                 | 7-1         | Y     | Y    |      |         |          |            | S      |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 3000U      | A1338      | N 5151300 m, 18 353207 m | 31K10 | G.F.             | Hole to ~ 1.25 m; A & B tot. to 60 cm; GF seds, coarse sand, yellow brown; clast ~ 20% size to 30 cm, round to subround; gneissic + peg.; "standard sample"; 120 lbs unmeshed                                                                                           | 7-1         | Y     | Y    |      | G       | G        | G          | S      |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 4086       | A1339      | N 5151308 m, 18 384408 m | 31K10 | ablation         |                                                                                                                                                                                                                                                                         |             | Y     | Y    |      |         |          |            | S      |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 4008       | A1340      | N 5151385 m, 18 392409 m | 31K09 | ablation         |                                                                                                                                                                                                                                                                         |             | Y     | Y    |      |         |          |            | S      |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 4007       | A1341      | N 5151508 m, 18 389707 m | 31K09 | outwash w/ basal |                                                                                                                                                                                                                                                                         |             | Y     | Y    |      |         |          |            | S      |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 4009       | A1342      | N 5151670 m, 18 388319 m | 31K09 | fluvial          |                                                                                                                                                                                                                                                                         |             | Y     | Y    |      |         |          |            | S      |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 3000Z      | A1343      | N 5151700 m, 18 359504 m | 31K10 | G.F. sand        | on shore of L. Thomas; skim sample of f-mg GF sands; 150 lbs, no mesh                                                                                                                                                                                                   | 10-6Y       | Y     |      |      |         |          |            |        |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 4008       | A1344      | N 5152085 m, 18 336104 m | 31K11 | G.F.             | N.S. road cut, just west of creek on side slope( 1 m from surface 20-30% clasts, grey to orange, mod. oxid). Size + Eys obtained                                                                                                                                        | 7-1         | Y     | Y    |      |         |          |            | S      |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| 4007       | A1345      | N 5152228 m, 18 336928 m | 31K11 | B.T.             | N.S. road cut, gray silty sand till w. 35% clasts pebble to some boulder size, 2m below surface, 35 cm silice, oxid frags in till)                                                                                                                                      | 7-1         | Y     | Y    |      |         |          |            | S      |       |                                                                  |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |
| K-363      | A1346      | N 5153629 m, 18 313894 m | 31K11 |                  | Next creek down (Aumont)                                                                                                                                                                                                                                                |             |       |      |      |         |          |            |        |       | Relative %: >1mm: 50%; 1-0.5mm: 40%; 0.5-0.25mm: 8%; <0.25mm: 4% |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                 |

| Old Sample | New Sample | UTM (E/N)                | NTS   | Description             | Field Notes                                                                                                                                                                                                                                                                                                                                                                                     | Cham Block | Block | Text | M.L. | 2mm-1mm | 1mm-5mm | .5mm-.25mm | <.25mm | Probe | Lab Notes                                                                                                          | Size .5-1mm | Picked Notes | Diamond | Pyrope Cat | Pyrope G10 | Total Pyrope | Chromite | Chromite/Spinel | Zircon | Olivine | Gold | Glass Balls | Magnetic Balls |
|------------|------------|--------------------------|-------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------|------|------|---------|---------|------------|--------|-------|--------------------------------------------------------------------------------------------------------------------|-------------|--------------|---------|------------|------------|--------------|----------|-----------------|--------|---------|------|-------------|----------------|
| 3003B      | A1347      | N 5153705 m, 18 313909 m | 31K11 | G.F.                    | sampled on the De Joachines Rd; Esker - very near STANDARD SAMPLE: ~50% clasts; excellent sample; 40 kg 4mm. Sample washing; color: brown/grey. HCL - % OS average (low), % GV average (comparison to GV), % COS high (above average), % PAN; large amount, lots garnets. Remarks: Pan fraction very large.                                                                                     |            | 11-Y  | Y    |      |         |         | S          |        |       |                                                                                                                    |             |              |         |            |            |              |          |                 |        |         |      |             |                |
| 4005       | A1348      | N 5153770 m, 18 338022 m | 31K11 | G.F.                    | N-side of road (grey boulder layer w. fluvial action, grey w. 20% frag similar to 4003, 2m below surface, in pit/road cut 10 m N of road bed, grey brown colour, 35 cm oxid layer then into grey, clasts of mafic?gtz fcl gneiss, 75 m E along road is outcrop coarse amphibolite in gneiss 2450 lin glacial striae 1820, between 4005 and 4006, gtz/feld gneiss w. mafic dykes @ 1300 to 1800) |            | 7-1   | Y    | Y    | G       | G       | G          | S      |       |                                                                                                                    |             |              |         |            |            |              |          |                 |        |         |      |             |                |
| 4006       | A1349      | N 5153801 m, 18 337226 m | 31K11 | G.F.                    | N.S. road cut, scrape sample (grey w. some oxid, silty sand, 30% clasts pebbles + some boulders, not a great sample side slope of gentle slope to the N-S). Sized. Inex + dried                                                                                                                                                                                                                 |            | 7-1   | Y    | Y    | G       | G       | G          | S      |       |                                                                                                                    |             |              |         |            |            |              |          |                 |        |         |      |             |                |
| 4005       | A1350      | N 5153887 m, 18 386709 m | 31K09 | basal                   |                                                                                                                                                                                                                                                                                                                                                                                                 |            |       | Y    | Y    |         |         |            | S      |       |                                                                                                                    |             |              |         |            |            |              |          |                 |        |         |      |             |                |
| 300DV      | A1351      | N 5153912 m, 18 385505 m | 31K10 | G.F.                    | Poplar/pine lowland near swamp. Wanted                                                                                                                                                                                                                                                                                                                                                          |            | 10-Y  | Y    | G    | G       | G       | G          | S      | P.J.  |                                                                                                                    |             |              |         |            |            |              |          |                 |        |         |      |             |                |
| K-362      | A1352      | N 5153988 m, 18 314984 m | 31K11 |                         | Next creek down from 361                                                                                                                                                                                                                                                                                                                                                                        |            |       |      |      |         |         |            |        |       |                                                                                                                    |             |              |         |            |            |              |          |                 |        |         |      |             |                |
| 3003T      | A1353      | N 5154102 m, 18 315115 m | 31K11 | G.F.                    | GF sed, sand med-fg; mostly sand w/ ~6% clasts sand yellow bln; clasts to 10 cm - gneiss; 1/2 skm 1/2 pit; moderate-good; 40 kg 4 mm. Sample washing. Color ? HCL - % OS, GV, COS average, % PAN average, high Mag. Remarks high amount of light fraction in overall sample.                                                                                                                    |            | 11-Y  | Y    |      |         |         | S          |        |       |                                                                                                                    |             |              |         |            |            |              |          |                 |        |         |      |             |                |
| 4081       | A1354      | N 5154106 m, 18 384707 m | 31K10 | ablation w/ basal comp. |                                                                                                                                                                                                                                                                                                                                                                                                 |            |       | Y    | Y    |         |         | S          |        |       |                                                                                                                    |             |              |         |            |            |              |          |                 |        |         |      |             |                |
| JBA2-001   | A1355      | N 5154258 m, 18 345595 m |       |                         | Panned by R. Henry as I inspected o/c; up last ck ~50m from C.; well washed sands, good places, lots of heavies assoc. w/ marble/carbonite; very few garnets                                                                                                                                                                                                                                    |            |       |      |      |         |         |            |        |       |                                                                                                                    |             |              |         |            |            |              |          |                 |        |         |      |             |                |
| JBA2-003   | A1356      | N 5154268 m, 18 345550 m |       |                         | Panned downstream on C. from 001 moderate placer in eddy; ~10% heavies, ~30% gts                                                                                                                                                                                                                                                                                                                |            |       |      |      |         |         |            |        |       | Relative %: >1mm: 16%; 1-0.5mm: 10%; 0.5-0.25mm: 15%; <0.25mm: 60% (STD, tons of heavies)                          |             |              |         |            |            |              |          |                 |        |         |      |             |                |
| 3000T      | A1357      | N 5154300 m, 18 351208 m | 31K10 | G.F. sand               | Fine to med. gnd GF sand yellow grey w. 5% banded gneissic cobbles to 20 cm; hole to 21m; minor bonds of gossan in sand, appear to be related to mineralogy of larger clasts; vertical bands of coarse sand; soft sed def mm?; clearing on side of rd, white plie; c/p 5110602-3, 5109532-4 @ 528532                                                                                            |            | 7-1   | Y    | Y    |         |         | S          |        |       |                                                                                                                    |             |              |         |            |            |              |          |                 |        |         |      |             |                |
| JBA2-002   | A1358      | N 5154333 m, 18 345549 m |       |                         | Panned upstream on the Coulange from 001 in sand moderate to poor placer: ~5% heavies, 15% gts in conc.                                                                                                                                                                                                                                                                                         |            |       |      |      |         |         |            |        |       | Relative %: >1mm: 10%; 1-0.5mm: 5%; 0.5-0.25mm: 10%; <0.25mm: 75% ( few GTS in >1mm fractions, many in 0.5% below) |             |              |         |            |            |              |          |                 |        |         |      |             |                |
| 3003U      | A1359      | N 5154417 m, 18 316209 m | 31K11 | G.F.                    | sos as 3003T, but ~15% clasts; good sample; 40 kg 4 mm. Sample washing. Color ? HCL - % OS average, %GV average, % COS high, % PAN average, FerroMag and garnet. Remarks: 1/2 bag for GV.                                                                                                                                                                                                       |            | 11-Y  | Y    |      |         |         | S          |        |       |                                                                                                                    |             |              |         |            |            |              |          |                 |        |         |      |             |                |
| JBA2-004   | A1360      | N 5154439 m, 18 346673 m |       |                         | Panned ~75m upstream on ck just S of last ck but on E side, very small draining large marsh, good placer spot but very few heavies (2%) mostly pelitic garnets; water speed here in Coulange very slow ~0.5 m/s                                                                                                                                                                                 |            |       |      |      |         |         |            |        |       | Relative %: <0.25mm: 100% (95% is <0.15mm)                                                                         |             |              |         |            |            |              |          |                 |        |         |      |             |                |
| K-361      | A1361      | N 5154578 m, 18 318355 m |       |                         | South West from 360 downstream, near Moorehead                                                                                                                                                                                                                                                                                                                                                  |            |       |      |      |         |         |            |        |       | Relative %: >1mm: 3%; 1-0.5mm: 90%; 0.5-0.25mm: 5%; <0.25mm: 2%                                                    |             |              |         |            |            |              |          |                 |        |         |      |             |                |
| 4082       | A1382      | N 5154801 m, 18 381502 m | 31K10 | basal                   |                                                                                                                                                                                                                                                                                                                                                                                                 |            | 10-Y  | Y    |      |         |         | S          |        |       |                                                                                                                    |             |              |         |            |            |              |          |                 |        |         |      |             |                |
| 4079       | A1383      | N 5154703 m, 18 380002 m | 31K10 | ablation                |                                                                                                                                                                                                                                                                                                                                                                                                 |            | 10-Y  | Y    |      |         |         | S          |        |       |                                                                                                                    |             |              |         |            |            |              |          |                 |        |         |      |             |                |
| JBA2-005   | A1384      | N 5154728 m, 18 345444 m | 31K11 |                         | Panned from the first stream on the E side of Coulange. S of Crow Intersection: good placer 25-30% heavies, mostly blacks, very few gts, 1 red-purple med gn. Sand and pebbles                                                                                                                                                                                                                  |            |       |      |      |         |         |            |        |       | Relative %: >1mm: 5%; 1-0.5mm: 35%; 0.5-0.25mm: 58%; <0.25mm: 2%                                                   |             |              |         |            |            |              |          |                 |        |         |      |             |                |

| Old Sample | New Sample | UTM (E/N)                | NTS   | Description | Field Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Chain Block | Block | Inert | M.L. | 2mm-1mm | 1mm-.5mm | .5mm-.25mm | <.25mm | Probe | Lab Notes                                                                            | Size .5-1mm | Picked Notes | Diamond | Pyrope G9 | Pyrope G10 | Total Pyrope | Chrome Diopside | Ilmenite | Chromite/Spinel | Zircon | Olivine | Gold | Glass Balls | Magnetic Balls |
|------------|------------|--------------------------|-------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|-------|------|---------|----------|------------|--------|-------|--------------------------------------------------------------------------------------|-------------|--------------|---------|-----------|------------|--------------|-----------------|----------|-----------------|--------|---------|------|-------------|----------------|
| 4004       | A1365      | N 6154802 m, 18 338707 m | 31K11 | G.F.        | N. side of road coming off of a hill before the creek 46 cm below surface oxide till layer. 40% clasts. mafic gneisses, lots of clay/silt, sandy Zones w. in the unit, 30 cm of vertical slice, 383543 - gtz fids in mafic gn frags both sides of the road, veining -1000 through mafic gneiss or amph.)Sized + eyes obtained; +.6mm undersize sample                                                                                                                                                                                                                      |             | 7-1   | Y     | Y    | G       | G        | G          | S      |       |                                                                                      |             |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| K-364      | A1365      | N 6154829 m, 18 316942 m | 31K11 |             | Near crossroad to Warner target                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             |       |       |      |         |          |            |        |       | 5mm                                                                                  |             |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 3003V      | A1367      | N 6156150 m, 18 317483 m | 31K11 | G.F.        | sos as 3003U; 40kg 4mm. Sample washing: color: 7. HCL % OS average, % GV large, % cOS large, % PAN good size. - concentration low.                                                                                                                                                                                                                                                                                                                                                                                                                                         |             | 11-   | Y     | Y    |         |          |            | S      |       |                                                                                      |             |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 4077       | A1368      | N 6155507 m, 18 384008 m | 31K10 | fluvial     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             |       | Y     | Y    |         |          |            | S      |       |                                                                                      |             |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 4078       | A1369      | N 6155508 m, 18 377712 m | 31K10 | ablation    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             | 10-6  | Y     | Y    |         |          |            | S      |       |                                                                                      |             |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| JBA2-006   | A1370      | N 6155815 m, 18 344098 m |       |             | Panned from 1st creek south of Coul. Crow int. on W side, VFG silts, 8 gave a small sample; walked up ~ 500m all mesh                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |       |       |      |         |          |            |        |       | Relative %: >1mm: 3%; 1-0.5mm: 7%; 0.5-0.25mm: 50%; <0.25mm: 40%                     |             |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| JBA2-007   | A1371      | N 6155689 m, 18 344102 m |       |             | Taken in gravel bar, center of C out front of mouth of ck 006; 20% heavies some gfs, mostly blacks                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |       |       |      |         |          |            |        |       | Relative %: >1mm: 20%; 0.5-1mm: 20%; 0.5-0.25mm: 40%; <0.25mm: 20%                   |             |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| J402       | A1372      | N 6155788 m, 18 319738 m | 31K11 |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             |       |       |      |         |          |            |        |       | Relative %: <0.25mm: 100%, 5 + .25 mix                                               |             |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 3000S      | A1373      | N 6155807 m, 18 350106 m | 31K10 | G.F. sand   | SOS as 3000R; area must onwash plain.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             | 7-1   | Y     | Y    | G       | G        | G          | S      |       |                                                                                      |             |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 3002H      | A1374      | N 6155809 m, 18 332412 m | 31K11 | G.F.        | GF till, standard sample; lots of coarse sand; excellent sample; clasts subround to round; gneissic; yellow brown; 50 kg, no mesh                                                                                                                                                                                                                                                                                                                                                                                                                                          |             | 11-   | Y     | Y    |         |          |            | S      |       |                                                                                      |             |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| JBA2-008   | A1375      | N 6155923 m, 18 344378 m |       |             | Taken from fork in small ck just upstream from the southern most rapids on the Crow Road: ~15% heavies, lots of red-pink garnets; due to the size of the wasps nest and number of times which I was stung both the sample and standard are small                                                                                                                                                                                                                                                                                                                           |             |       |       |      |         |          |            |        |       | Relative %: >1mm: 8%; 1-0.5mm: 2%; 0.5-0.25mm: 15%; <0.25mm: 75%                     |             |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| JBA2-010   | A1378      | N 6155958 m, 18 344212 m | 31K11 |             | Panned from bottom of Crow river just before it flows into C.; good placer-plenty of red and black sand; med sand gns; ~20% heavies some large gfs, one (4mm) appears red                                                                                                                                                                                                                                                                                                                                                                                                  |             |       |       |      |         |          |            |        |       | Relative %: >1mm: 15%; 0.5-1mm: 5%; 0.25-0.5mm: 25%; <.25mm: 55%                     |             |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| JBA2-009   | A1377      | N 6156045 m, 18 344423 m |       |             | Panned from Smoot ck on Crow ~55 heavies; lots of fine pelitic gfs and blacks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |             |       |       |      |         |          |            |        |       | Relative %: >1mm: 15%; 1-0.5mm: 5%; 0.5-0.25mm: 30%; <0.25mm: 50% (STD? 25 Cr drop?) |             |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 3003A      | A1378      | N 6156098 m, 18 328825 m | 31K11 | G.F.        | GF seeds; Fg gray sand w/ ~ 5% clasts (angular-subr) size to 10-20cm (Dropstones?) 40 kg no mesh; poor-moderate sample. Sized, pan sample; good garnets, good FerroMAG, good MAGNETITE, garnets: high content, 1 piece of steel from brush; small INEX fraction, high S.H. content                                                                                                                                                                                                                                                                                         |             | 11-2  | Y     | Y    |         |          |            | S      |       |                                                                                      |             |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 4003       | A1379      | N 6156104 m, 18 338612 m | 31K11 | Till        | close to 4003, side slope higher up in facies ( grey colour small to mid boulder + pebble - gneiss, 1.5 m from surface, N side of road on road cut, vertical slice 35-45m, 25%clasts, less than 4002). Sized + eyes obtained, low garnets, high FeMag                                                                                                                                                                                                                                                                                                                      |             | 7-1   | Y     | Y    | G       | G        | G          | S      |       |                                                                                      |             |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| 3002I      | A1380      | N 6156112 m, 18 331530 m | 31K11 | G.F.        | 50 kg, unscreened sample, sandy silt glacio-fluvial till; down-ice from target; orange-beige till, 40% clasts; clasts rounded to subangular, up to 60 cm size; clasts gneissic, QF and mafic; large clearing, surface winnowed next to beaverdam; moderate to good sample                                                                                                                                                                                                                                                                                                  |             | 11-   | Y     | Y    | G       | G        | G          | S      |       |                                                                                      |             |              |         |           |            |              |                 |          |                 |        |         |      |             |                |
| A11/I      | A1381      | N 6156444 m, 18 344726 m | 31K11 |             | c/o banded gneiss; ~30% Blo, 80% Kspar, 10%Qtz; well segregated mineral layers of ~1-2mm thickness; c/o is flat along shore but massive at falls; same c/o occurs at the 2 big rapids above the one big rapid at the Crow/Couliange confluence; DDh at upper falls. Ron said likely due to logging operation, they would blow the bl exs that made log jams; c/o is well jointed in 4 places and has only very minor peg. veins through it ( 2 cm width); J1 1490 640, J2 329 360, J3 420 700, J4 2230 820; Peg1 100 800 (2veins); Peg2 420 subvert (2veins); sample taken |             |       |       |      |         |          |            |        |       |                                                                                      |             |              |         |           |            |              |                 |          |                 |        |         |      |             |                |

| Old Sample     | New Sample     | UTM (E/N)                                            | NTS            | Description            | Field Notes                                                                                                                                                                                                                                                                                                                                                                                                                   | Claim Block | Block Inet | M.L. | 2mm-1mm | 1mm-.5mm | .5mm-.25mm | <.25mm | Probe Lab Notes                                                         | Size: .5-1mm | Picked Notes                                                                | Diamond Pyrope G8 | Pyrope G10 | Total Pyrope Chrome Diopside Ilmenite ChromiteSpinel Zircon Olivine Gold Glass Balis Magnetic Bulis |
|----------------|----------------|------------------------------------------------------|----------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------|------|---------|----------|------------|--------|-------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------|-------------------|------------|-----------------------------------------------------------------------------------------------------|
| 4002           | A1382          | N 5166454 m, 18 338900 m                             | 31K11          | G.F.                   | 2 km west Dam Bryson, north side of road, approx. 1 km along road west of creek cross 4001, near surface sample just below ox B layer dng 25 cm ( grey till with sub round boulder + pebble frags, sample sits in ditch 25 m east of claimpost #1 5109871, #2 5109887, #3 5109888, #4 5109872, post is on the north side of the road). Sized + Eys obtained (high FerroMag recovery in uppersize fraction, a/s high garnets). |             | 7-1        | Y    | Y       | G        | G          | S      |                                                                         |              |                                                                             |                   |            |                                                                                                     |
| JBA11-001      | A1383          | N 5166467 m, 18 340758 m                             |                |                        | Panned from creek ~100m upstream from Crow; good placer spot but low sed flow, few heavies; ~ 2%; it took ~ 7 pans to get the sample; gts are 80% of the heavies                                                                                                                                                                                                                                                              |             |            |      |         |          |            |        | Relative %:<br>>1mm:15%; 1-0.5mm: 10%; .5-.25mm:50%; <.25mm:25%         |              |                                                                             |                   |            |                                                                                                     |
| 3002Z          | A1384          | N 5158515 m, 18 326403 m                             | 31K11          | B.T.                   | Basal till; ~ 40% clasts; angular; to 50 cm size; brownish grey matrix; hole dug in cat cut behind small cabin; 40 kg 4 mm; good sample. Sized, panned; even size fraction; (high) good garnets; high FerroMag; Low Mag; silty; large oversize                                                                                                                                                                                |             | 11-2       | Y    | Y       |          |            | S      |                                                                         |              | Ilmenites, chromites, apple green chrome diopside?, deep red pyrope?        |                   |            |                                                                                                     |
| J403 K-360     | A1385<br>A1386 | N 5168883 m, 18 319200 m<br>N 5168891 m, 18 319199 m | 31K11          |                        | 2 1/2km from Airport on Noire River at old bridge location                                                                                                                                                                                                                                                                                                                                                                    |             |            |      |         |          |            |        | Relative %: >1mm: 5%; 1-0.5mm: 80%; 0.5-0.25mm: 10%; <0.25mm: 5%        |              | Several G8's & G10's                                                        |                   |            | Y                                                                                                   |
| 4089 JBA2-012  | A1387<br>A1388 | N 5158703 m, 18 378110 m<br>N 5158760 m, 18 342136 m | 31K10<br>31K11 | ablation               | Panned from second creek in from Coulangue on Bryson Ck                                                                                                                                                                                                                                                                                                                                                                       |             | 10-4       | Y    |         |          |            | S      | Relative %: >1mm: 10%; 1-0.5mm: 10%; 0.5-0.25mm: 50%; <0.25mm:30%       |              |                                                                             |                   |            |                                                                                                     |
| 4000           | A1389          | N 5168882 m, 18 341408 m                             | 31K11          | B.T.                   | Top of lac Bryson, Dam Sample (3 bags not sieved, angular boulder + frags, mafic gneiss 30 cm below 1400/150w well laminae) (till is gray colour, abundant clay + fines, oxides fragments of gneiss + rims of oxides in clays, 5m from surface). Sized + Eys obtained, middle fraction poor eys <5, 5ml garnet, high FerroMag                                                                                                 |             | 7-1        | Y    | Y       | G        | G          | S      |                                                                         |              |                                                                             |                   |            |                                                                                                     |
| JBA2-011       | A1390          | N 5168897 m, 18 342318 m                             | 31K11          |                        | Panned at entrance to Bryson Ck in a good placer ~25m upstream from the Coulangue; lots of heavies ~30% of pan; 30% of heavies gts, a few were wine red in colour                                                                                                                                                                                                                                                             |             |            |      |         |          |            |        | Relative %: >1mm: 5%; 0.5-1mm: 20%; 0.25-0.5mm: 45%; <0.25mm: 30%       |              |                                                                             |                   |            |                                                                                                     |
| 4001           | A1391          | N 5167004 m, 18 339824 m                             | 31K11          | B.T.                   | 1 km west of dam Lao Bryson (large pit on N side of road, Basal till, grey colour, similar to 4000, large boulders of gneiss mafic, rotten frags of amph +gtz/carb veining + sulph (py), chlorited + epidote on pink granites + gneisses, sample~ 5 m from level of surface, 1 m of oxidized B layer + some boulders (sub angular), till largest boulder 2m X 3m)                                                             |             | 7-1        | Y    | Y       |          |            | S      |                                                                         |              | Many garnets of all colours some olivine, 1pc ilmenite, purple/pink garnets |                   |            |                                                                                                     |
| 3000V          | A1392          | N 5167112 m, 18 367703 m                             | 31K10          | G.F. sand              | GF sand from bank at side of road; W. side, N of washout; red brown to yellow - 5% clasts to 7 cm; possibly not from here; some rusty pebbles-gneiss                                                                                                                                                                                                                                                                          |             | 10-1       | Y    | Y       |          |            | S      |                                                                         |              |                                                                             |                   |            |                                                                                                     |
| 4076           | A1393          | N 5167193 m, 18 363808 m                             | 31K10          | basal / ablation comp. |                                                                                                                                                                                                                                                                                                                                                                                                                               |             |            | Y    | Y       |          |            | S      |                                                                         |              |                                                                             |                   |            |                                                                                                     |
| 4087 JBA11-002 | A1394<br>A1395 | N 5167207 m, 18 371202 m<br>N 5167302 m, 18 346811 m | 31K10          | basal                  | Panned just downstream on the Crow from a creek which is now a large malach (30 lb bag)                                                                                                                                                                                                                                                                                                                                       |             | 10-4       | Y    | Y       |          |            | S      |                                                                         |              |                                                                             |                   |            |                                                                                                     |
| JBA3-001       | A1396          | N 5167372 m, 18 342256 m                             |                |                        | Panned from ck flowing into C. opposite side, just above Bryson ck Upstream ~100m, moderate places but v few heavies, fine grained sand, heavies ~3% mostly pink gts                                                                                                                                                                                                                                                          |             |            |      |         |          |            |        | Relative %: >1mm: 5%; 0.5-1mm: 20%; .25-0.5mm: 50%; <0.25mm: 25% (std?) |              |                                                                             |                   |            |                                                                                                     |
| 3002X          | A1397          | N 5167392 m, 18 330724 m                             | 31K06          | Reworked               | Reworked basal till; taken from small roadcut; overlain by 50 cm fine GF sand; till is orange-brown in colour; ~10% clasts some angular, others rounded; silty sand matrix; 40 kg/4mm; poor sample. Sized, small oversized, clay rich, clayballs, large undersize; pan; garnet, Ferro Mag; high light frag.                                                                                                                   |             | 7-1        | Y    | Y       | G        | G          | S      |                                                                         |              |                                                                             |                   |            |                                                                                                     |
| 3000R          | A1398          | N 5167404 m, 18 349109 m                             | 31K10          | G.F. sand              | Coarse grained yellow-brown GF sand; Pit to 3' in Jack Pine clearing w. minor tamarack; upper 2' of pit is orange, moss covering- no appreciable A or B; <5% rounded clasts                                                                                                                                                                                                                                                   |             | 7-1        | Y    | Y       |          |            | S      |                                                                         |              |                                                                             |                   |            |                                                                                                     |
| JBA11-003      | A1399          | N 5167410 m, 18 348898 m                             |                |                        | 30 lb bag from Canoe Launch, 50m upstream and on the E bank from D02                                                                                                                                                                                                                                                                                                                                                          |             |            |      |         |          |            |        | Bulk                                                                    |              |                                                                             |                   |            |                                                                                                     |

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| Old Sample   | New Sample | UTM (E/N)                | NTS   | Description | Field Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Claim Block | Block | Incl | M.L. | 2mm-1mm | 1mm-.5mm | .5mm-.25mm | <.25mm | Probe | Lab Notes                                                        | Size .5-1mm                                                                                                                                                                                                                                                             | Picked Notes                                        | Diamond | Pyrope G8 | Pyrope G10 | Total Pyrope | Chrome Diopside | Ilmenite | Chromite/Spinel | Zircon | Olivine | Gold | Glass Balis | Mametic Bulis |  |
|--------------|------------|--------------------------|-------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|------|------|---------|----------|------------|--------|-------|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|---------|-----------|------------|--------------|-----------------|----------|-----------------|--------|---------|------|-------------|---------------|--|
| JBA20-003    | A1435      | N 5161561 m, 18 352024 m |       |             | Panned from small creek draining a very small pond to E of Crow + 100m S of 002; VVFG silts-nothing special <1% heavies                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |       |      |      |         |          |            |        |       | Relative %; 1-0.5mm: 10%; 0.5-0.25mm: 20%; <.25mm: 70%           |                                                                                                                                                                                                                                                                         |                                                     |         |           |            |              |                 |          |                 |        |         |      |             |               |  |
| 3002F        | A1436      | N 5161604 m, 18 332022 m | 31K11 | G.F.        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             | 7-1   | Y    | Y    |         |          |            | B      |       |                                                                  |                                                                                                                                                                                                                                                                         | Pyropes, Chromite                                   |         |           | Y          |              |                 | Y        |                 |        |         |      |             |               |  |
| 3002G        | A1437      | N 5161604 m, 18 332022 m | 31K11 | G.F.        | close to standard sample, more basal; ~60% clasts, more silt (touch); 50 kg, no mesh                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             | 7-1   | Y    | Y    | G       | G        | G          | S      |       |                                                                  |                                                                                                                                                                                                                                                                         |                                                     |         |           |            |              |                 |          |                 |        |         |      |             |               |  |
| JBA3-008     | A1438      | N 5161616 m, 18 338274 m |       |             | Panned on gravel bar just upstream on Coulangue from entrance of ck 009, good spot for a placer but few heavies (5%), the odd red garnet                                                                                                                                                                                                                                                                                                                                                                                                                  |             |       |      |      |         |          |            |        |       | Relative %; >1mm: 5%; 1-0.5mm: 10%; 0.5-0.25mm: 30%; <.25mm: 55% |                                                                                                                                                                                                                                                                         |                                                     |         |           |            |              |                 |          |                 |        |         |      |             |               |  |
| JBA20-011    | A1439      | N 5161618 m, 18 352125 m |       |             | Panned from good placer-gravel bar just N of abscisee creek but on E side; ~10% heavies gls hds, green, black. Found a bullet frag                                                                                                                                                                                                                                                                                                                                                                                                                        |             |       |      |      |         |          |            |        |       | Relative %; >1mm: 5%; 1-0.5mm: 10%; 0.5-0.25mm: 15%; <.25mm: 70% |                                                                                                                                                                                                                                                                         |                                                     |         |           |            |              |                 |          |                 |        |         |      |             |               |  |
| JBA3-007     | A1440      | N 5161638 m, 18 338083 m |       |             | Panned from first ck about our camp but on W side, just past the rt turn where 1/2 cabin is; the whole area is all swamp; no placer just VFG, silt; it took ~60 lbs of silt get a sample; 0.55 heavies, gls and blacks                                                                                                                                                                                                                                                                                                                                    |             |       |      |      |         |          |            |        |       | Relative %; 0.25-0.5mm: 5%; <.25mm: 95%                          |                                                                                                                                                                                                                                                                         |                                                     |         |           |            |              |                 |          |                 |        |         |      |             |               |  |
| JBA20-012    | A1441      | N 5161644 m, 18 352072 m | 31K10 |             | 30 lb bag from mouth of creek draining Abscisees Lake                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |       |      |      |         |          |            |        |       |                                                                  |                                                                                                                                                                                                                                                                         |                                                     |         |           |            |              |                 |          |                 |        |         |      |             |               |  |
| JBA20-002    | A1442      | N 5161646 m, 18 352068 m |       |             | Panned from good placer at bottom of rapids; trap formed by large clad of seaweed on a sandy ridge; heavies from upstream side of ridge in pool; heavies ~10% fine - VFG up to 80% pink gts                                                                                                                                                                                                                                                                                                                                                               |             |       |      |      |         |          |            |        |       | Relative %; >1mm: 5%; 1-0.5mm: 6%; 0.5-0.25mm: 20%; <.25mm: 70%  |                                                                                                                                                                                                                                                                         |                                                     |         |           |            |              |                 |          |                 |        |         |      |             |               |  |
| JBA20-001    | A1443      | N 5161715 m, 18 352226 m |       |             | Panned at mouth of vigorous creek draining large hill on W side Crow.. VFG at lower but med to coarse sands in chan; 5% heavies, 40% gts and large gnd. Black heavies (3mm) + light coloured heavies; clasts predom. White Kspar-bio gn                                                                                                                                                                                                                                                                                                                   |             |       |      |      |         |          |            |        |       | Relative %; >1mm: 5%; 1-0.5mm: 25%; 0.5-0.25mm: 30%; <.25mm: 40% |                                                                                                                                                                                                                                                                         |                                                     |         |           |            |              |                 |          |                 |        |         |      |             |               |  |
| JBA21-003    | A1444      | N 5161753 m, 18 348671 m |       |             | 30 lb bag from Alorin Creek; med gn sand                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |       |      |      |         |          |            |        |       | Bulk sample                                                      |                                                                                                                                                                                                                                                                         |                                                     |         |           |            |              |                 |          |                 |        |         |      |             |               |  |
| JBA3-010     | A1445      | N 5161792 m, 18 338900 m |       |             | Panned from Eaker creek, very sandy; poor placer; ~55 heavies, very fine grains of gt                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |       |      |      |         |          |            |        |       | Relative %; >1mm: 1%; 1-0.5mm: 9%; 0.5-0.25mm: 30%; <.25mm: 60%  |                                                                                                                                                                                                                                                                         |                                                     |         |           |            |              |                 |          |                 |        |         |      |             |               |  |
| 3003D        | A1446      | N 5161801 m, 18 323710 m | 31K11 | G.F.        | Shallow pit (50 cm) tightly packed GF sed; grey colour w/ orange blobs assoc. w/ gneissic clasts (weathering); ~10% clasts, rounded, gneissic; size to 10cm; fg. Sand (silly) predom in matrix; 40 kg 4mm; moderate sample. Sized +6mm, 4 bags. Color light grey-green w/ brown wash. HCL reaction - none (NB3% HCl), % Co fraction +3.5m screen, % Gv, %COS, all equal %; % of minets in pan fraction; high ferro mag; good garnets; high ferro mag with lights in pan; calgonite floo - clay shirgiles; compacts well; high allit; BGS sample reduction | GR1Y        |       | Y    |      |         |          | S          |        |       |                                                                  | Several pyrope looking deep wine red garnets... Several chrome diopsides with poor apple green colour. Not probed                                                                                                                                                       |                                                     |         |           |            |              | Y               | Y        |                 |        |         |      |             |               |  |
| 4071         | A1447      | N 5161805 m, 18 368112 m | 31K10 | ablation    | 90% dark minerals, 2% garnets, dark red - could be pyrope-sugar cube surface, pink, champagne, red ilac. Apatite, +1 CR203                                                                                                                                                                                                                                                                                                                                                                                                                                | 10-4Y       |       | Y    |      |         |          | S          |        |       |                                                                  | Dirty sample containing 7% garnets. Red, orange, cranberry & a few pink garnets. DARK RED - COULD BE PYROPE-SUGAR CUBE SURFACE, PINK, CHAMPAGNE, RED, LILACSome red garnets are very dark with inclusions. Almost no Cr Diopside. RUTILE - TITANITE, APATITE, 1+ CR203, |                                                     |         |           |            |              |                 | Y        | Y               |        |         |      |             |               |  |
| JBA10-003    | A1448      | N 5162708 m, 18 347278 m | 31K10 |             | 30 lb bag , very low sed flow, dry creek; light sand                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |       |      |      |         |          |            |        |       | Bulk                                                             |                                                                                                                                                                                                                                                                         |                                                     |         |           |            |              |                 | Y        | Y               |        |         |      |             |               |  |
| JBA10-002    | A1449      | N 5162822 m, 18 347374 m | 31K10 |             | Silt sample taken from large creek very poor sed. Load, 30-40 lbs taken of silt to sand where possible                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |       |      |      |         |          |            |        |       | Bulk                                                             |                                                                                                                                                                                                                                                                         |                                                     |         |           |            |              |                 |          |                 |        |         |      |             |               |  |
| JBA3-011     | A1450      | N 5163016 m, 18 337774 m |       |             | Panned 50 m up creek; med sand gns; very sandy area; moderate placer in dry bed; ~205 heavies; ~60% gt, 30% blacks                                                                                                                                                                                                                                                                                                                                                                                                                                        |             |       |      |      |         |          |            |        |       | Relative %; >1mm: 5%; 1-0.5mm: 5%; 0.5-0.25mm: 30%; <.25mm: 60%  |                                                                                                                                                                                                                                                                         |                                                     |         |           |            |              |                 |          |                 |        |         |      |             |               |  |
| AUJ04001 GEK | A1451      | N 5163200 m, 18 344699 m |       |             | Sand southwest of mafic rocks very black Lac Vennor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             |       |      |      |         |          |            |        |       |                                                                  |                                                                                                                                                                                                                                                                         | Apatite, epidote, crustal garnets - Ultramafic rock |         |           |            |              |                 |          |                 |        |         |      |             |               |  |
| AUJ04002 GEK | A1452      | N 5163200 m, 18 344699 m | 31K11 |             | Panned by Edward, Lac Vennor, south shore, fly in beach sand; southwest of mafic rock                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |       |      |      |         |          |            |        |       | .25mm + .5mm                                                     |                                                                                                                                                                                                                                                                         |                                                     |         |           |            |              |                 |          |                 |        |         |      |             |               |  |
| JBA3-012     | A1453      | N 5163275 m, 18 337632 m |       |             | Panned 25 m up creek which is flooded by beavers, VFG silts Heavies 3%, gt and black                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |       |      |      |         |          |            |        |       | Relative %; 0.5-0.25mm: 1%; <.25mm: 99% (1 run >25)              |                                                                                                                                                                                                                                                                         |                                                     |         |           |            |              |                 |          |                 |        |         |      |             |               |  |

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| Old Sample | New Sample | UTM (E/N)                | NTS   | Description | Field Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Cham Block | Block | Rear | M.L. | 2mm-1mm | 1mm-.5mm | .5mm-.25mm | <.25mm | Probe | Lab Notes |                                                                    | Size .5-1mm | Picked Notes | Diamond<br>Pyrope G9<br>Pyrope G10<br>Total Pyrope<br>Chrome Diopside<br>Ilmenite<br>Chromite/Spinel<br>Zircon<br>Olivine<br>Gold<br>Glass Beads<br>Magnetic Balls |  |  |
|------------|------------|--------------------------|-------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------|------|------|---------|----------|------------|--------|-------|-----------|--------------------------------------------------------------------|-------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 3001W      | A1468      | N 5166056 m, 18 328101 m | 31K11 | G.F.        | 50 kg unscreened sample; down ice from target; reddish brown glacial fluvial till with 40% clasts; poorly sorted clast sizes up to 25 cm, subrounded to subangular; east side of N. Dunne rd; moderate-good. Outcrop 286628; QF gneiss with pegmatite stringers; 10 x 20 m, some moss exfoliating to dark gray; gneissosity striking at 170(?) outcrop 308633; 30m x 15m, clearing; hornblende rich pelitic gneiss fairly mafic; 1-2cm garnets, biotites common large hornblende alteration rings garnets; pegmatites up to 10 cm wide; layers of more QF gneiss present, exfoliation of outcrop?; lineation direction of 750 layer(?) of pseudobreccia gneiss, with monomineralic lapilli; sized, most rounded white feldspars, hornblende, rusted sulphides to 1/2 cm. Outcrop 303847; QF gneiss of metapelitic origin, highly jointed outcrop, 3X10 m; several pegmatites, including 20 cm wide quartz rich with (1500) 80 cm distral offset, 10 cm quartz rich pegmatite (1300) with 10 cm distral offset, 5 cm feldspar rich pegmatite with 15 cm sinistral offset; gneissosity ca. 1800, mafic bands to 1-2 cm; 5 mm quartz ve |            | GRDY  | Y    | G    | G       | G        | S          |        |       |           | Relative %: >1mm: 10%; 1-0.5mm: 10%; 0.5-0.25mm: 40%; <0.25mm: 40% |             |              |                                                                                                                                                                    |  |  |
| JBA4-003   | A1468      | N 5165103 m, 18 336801 m |       |             | Panned from moderate placer on shore of Coulange just S of 2 oxbows and N of Muskrat creek, coarse sand and small gravel; ~20% heavies, 70% black, 20% gts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            |       |      |      |         |          |            |        |       |           | Relative %: >1mm: 15%; 1-0.5mm: 10%; 0.5-0.25mm: 40%; <0.25mm: 35% |             |              |                                                                                                                                                                    |  |  |
| JBA4-004   | A1470      | N 5165336 m, 18 335956 m |       |             | Panned in good pl. last ck on traverse, just below old bridge (~1km), ~15% heavies, some very red gts, too red - maybe almandine. NOTE: All samples are panned from a minimum 5 kg of seds. Most are from ~ 10 kg and more                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            |       |      |      |         |          |            |        |       |           | Relative %: >1mm: 15%; 1-0.5mm: 10%; 0.5-0.25mm: 40%; <0.25mm: 35% |             |              |                                                                                                                                                                    |  |  |
| 3001V      | A1471      | N 5165407 m, 18 327034 m | 31K11 | G.F.        | 50 kg unscreened; glaciofluvial till down ice from target; 40-50% clasts; subrounded-rounded clasts, several angular; QF w mafic gneiss; east side of N. Dunn's rd; olive beige, sandy till; clasts up to 40 cm; moderate-good                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            | GRDY  | Y    | G    | G       | G        | S          |        |       |           |                                                                    |             |              |                                                                                                                                                                    |  |  |
| 3001X      | A1472      | N 5165417 m, 18 330307 m | 31K11 | B.T.        | Outcrop 308654; 435 m In from fork in road; 10x25m clearing; banded QF gneiss, with mafic bands, increasingly mafic towards NW; gneissosity towards 2800, dip of 200(?) ; felsic bands (or syntectonic pegmatites) with hornblendes to 2 cm; small garnets common; pelitic; large garnets, to 3 cm; mm sized quartz stringers common; 30-40 cm pegmatite striking 220                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            | GRDY  | Y    | G    | G       | G        | S          |        |       |           |                                                                    |             |              |                                                                                                                                                                    |  |  |
| 3001Y      | A1473      | N 5165423 m, 18 330706 m | 31K11 | B.T.        | Banded Mafic (Pelitic) Gneiss, o/c ~10x10m; Cut by at least 3 peg events, some very straight, gtz, micro, alb; 820, 740, 140, others distorted; Z folding, banded gn alt between Hbde and felds, local augent of gt to 1.5cm; foliation 1320 on at pressure shoulder. 3001Y: 500m up from fork in road leading to 3001X; old road cut; lots of angular- subangular boulders, subrounded cobbles; clasts ~70%, perhaps UNDIFF. TILL; grey brown in colour, quite silty; pit to 1m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            | GRDY  | Y    | G    | G       | G        | S          |        |       |           |                                                                    |             |              |                                                                                                                                                                    |  |  |
| 3001Z      | A1474      | N 5165714 m, 18 332401 m | 31K11 | B.T.        | 40 kg, unscreened sample; 30% clasts; clast subangular, mafic; grey, sandy till, grayish under red soil; clasts up to 20 cm, most less than 5 cm; fine to med. Sand; good sample. Outcrop from 3001Z base; 80x20 cm, clearing; QE gneiss, pronounced, mafic band 80 cm wide with large garnets (10-30cm); very deformed gneissosity, even pegmatites are deformed ( or highly felsic layers); megacrystic garnet recovered; gossan showing in places roughly cubic weathered pits. Outcrop 386605 (rd to cabin); QF gneiss, well banded with mafic/felsic layers (to 2 cm), feldspar w hornblende blebs common, slight bowditch in places, while plastic deformation in others; gneissosity 285/15, fold lineation trends to 3040 for a fold, two occurrences; transition between brittle and plastic common over 10 ft range                                                                                                                                                                                                                                                                                                        |            | GRDY  | Y    | G    | G       | G        | S          |        |       |           |                                                                    |             |              |                                                                                                                                                                    |  |  |
| JBA1-008   | A1475      | N 5155643 m, 18 335655 m |       |             | Panned from ~75m upstream from entrance to Coul. Of 2nd last stream shown entering C on Lac Murphy 1:20 map; medium grained sands well washed; moderate placer; ~35% gts in conc.; no red-purple observed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            |       |      |      |         |          |            |        |       |           | Relative %: >1mm: 15%; 0.5-1: 5%; 0.25-0.5mm: 20%; <.25mm: 60%     |             |              |                                                                                                                                                                    |  |  |

| Old Sample | New Sample | UTM (E/N)                | NTS   | Description     | Field Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Chert Block | Block Index | M.L. | 2mm-1mm | 1mm-.5mm | .5mm-.25mm | <.25mm | Probe | Lab Notes                                                               | Size .5-1mm | Picked Notes | Diamond | Pyrope G9 | Pyrope G10 | Total Pyrope | Chromite Diopside | Ilmenite | Chromite Spinel | Zircon | Others | Gold | Glass Beads | Monoclinic Rutile |  |
|------------|------------|--------------------------|-------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|------|---------|----------|------------|--------|-------|-------------------------------------------------------------------------|-------------|--------------|---------|-----------|------------|--------------|-------------------|----------|-----------------|--------|--------|------|-------------|-------------------|--|
| JBA0-005   | A1476      | N 5166217 m, 18 342052 m | 31K11 |                 | 30 lbs from dry creek draining into beaver pond, moderate to poor placer. Ron picked out an xtal, clear, 3 sided pyt. W/ broken end, lost on the ground there will be more in the bag; quite a few light coloured heavies here, ~5% heavies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |             |      |         |          |            |        |       | Relative %: >1mm: 5%; 1-0.5mm: 20%; 0.5-0.25mm: 50%; <0.25mm: 25%       |             |              |         |           |            |              |                   |          |                 |        |        |      |             |                   |  |
| JBA1-007   | A1477      | N 5166249 m, 18 335342 m |       |                 | Panned from creek flowing into Coulange W side just N of old bridge; D=8% heavies, lots of black minerals and pink gr.; washed till in stream bed moderate placer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |             |      |         |          |            |        |       | Relative %: >1mm: 5%; 0.5-1mm: 5%; 0.25-0.5mm: 40%; <0.25mm: 50%        |             |              |         |           |            |              |                   |          |                 |        |        |      |             |                   |  |
| K-367      | A1478      | N 5166370 m, 18 324950 m | 31K11 |                 | Lake Nigault North North West from 368                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |             |      |         |          |            |        |       | .5mm                                                                    |             |              |         |           |            |              |                   |          |                 |        |        |      |             |                   |  |
| JBA0-008   | A1479      | N 5166377 m, 18 342154 m | 31K11 |                 | Dry 30 lbs; 200 m E on trail from 005; few heavies (1%) but quite a few large garnets, looks pelitic. O/c A9-1 Pelitic gneiss, wholeback (N/A); white (weathered k-span) and black (blo/Hds); ~50% kspan, ~30% blacks. ~20%qtz; gneissic banding, ~ 800 300; minor anastomosing peg veins                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |             |      |         |          |            |        |       | Relative %: >1mm: 15%; 1-0.5mm: 25%; 0.5-0.25mm: 30%; < .25mm: 25%      |             |              |         |           |            |              |                   |          |                 |        |        |      |             |                   |  |
| K-366      | A1480      | N 5166381 m, 18 325576 m | 31K11 |                 | North shore of Lake Nigault where creek meets lake                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |             |      |         |          |            |        |       | .5mm                                                                    |             |              |         |           |            |              |                   |          |                 |        |        |      |             |                   |  |
| 4037       | A1481      | N 5166505 m, 18 380800 m | 31K10 | fluvial         | OS retained; GV + COS: edited field eye; Inex; pan: heavies; till, clay; it granish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             | 10-Y        | Y    |         |          |            | S      |       |                                                                         |             |              |         |           |            |              |                   |          |                 |        |        |      |             |                   |  |
| 4038       | A1482      | N 5166505 m, 18 382807 m | 31K10 | slope/fluvial I | OS retained; GV+COS: edited field eye, Inex, high ferro Mag; Pan heavies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |             | 10-Y        | Y    |         |          |            | S      |       |                                                                         |             |              |         |           |            |              |                   |          |                 |        |        |      |             |                   |  |
| 3001T      | A1483      | N 5166522 m, 18 326410 m | 31K11 | Basal Till      | Basal till; down ice from target; 50kg unscreened sample; red to gray sandy till with 50% clasts, up to 40 cm in size; mostly gneiss clasts, some pegmatite; loaded east side of rd. to N. Dunn's, forms steep bank on road; clasts subangular to subrounded, some angular; good quality Outcrop 288653; N. Dunn's road, just past sample 3001T and creek + swamp west side of road; banded gneiss, white to gray with rare dark bands; QF gneiss; joints at 640 and 600; possible boulders. Outcrop 283648; Norm Dunns road, west side; polished QF gneiss (whitish gray) with pregerentrally/blotchy bands (rare); glacial striae abundant < 1 mm deep, 5mm wide, up to 40 cm long; strike angles of 1700, 1640, 1720, 1780; left 56 bags of sample + 3 rocks. +1mm. Lots of garnets. some (chrome diopside apple green) mauve, garnet? pinkish, red, orange, pinkish/purple with chrome diopside. Check sample. dark red almost black. Approx 10 light pink/purple | GRO Y       | Y           |      |         |          | S          |        |       |                                                                         |             |              |         |           |            |              |                   |          |                 |        |        |      |             |                   |  |
| 3001S      | A1484      | N 5166527 m, 18 326927 m | 31K11 | G.F.            | Road to N. Dunns lodge (east-side)) (standard sample ( 40 kg, 3mm); 70% clasts, most subrounded to rounded gneissic; screened material dark red when fresh (moist?) weathered to grayish brown at surface; skim sample; moderate to good goal). Purple garnets / some chrome diopside                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | GRO Y       | Y           |      |         |          |            | S      |       |                                                                         |             |              |         |           |            |              |                   |          |                 |        |        |      |             |                   |  |
| JBA0-004   | A1485      | N 5166538 m, 18 341695 m | 31K11 |                 | 30 lbs from dry creek; good placer; gravel bar; seasonal; not too many heavies, ~55 again mostly pelitic gts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |             |      |         |          |            |        |       | Relative %: >1mm: 5%; 1-0.5mm: 8%; 0.5-0.25: 45%; <.25mm: 45%           |             |              |         |           |            |              |                   |          |                 |        |        |      |             |                   |  |
| 4038       | A1486      | N 5166608 m, 18 378607 m | 31K10 | basal           | OS retained; GV+COS edited field eye; Inex; pan: heavies; till, silty                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             | 10-Y        | Y    |         |          |            | S      |       |                                                                         |             |              |         |           |            |              |                   |          |                 |        |        |      |             |                   |  |
| JBA0-002   | A1487      | N 5166680 m, 18 339013 m | 31K11 |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             |             |      |         |          |            |        |       | Relative%: >1mm: 5%; 1-0.5mm: 8%; 0.5-0.25mm: 15%; <.25mm: 76%          |             |              |         |           |            |              |                   |          |                 |        |        |      |             |                   |  |
| JBA1-005   | A1488      | N 5166725 m, 18 335332 m |       |                 | Panned W side of C just above the high dumps rapid; the 2 oks on the 1:20 N of here don't exist anymore-not a trace; placer: ~15% heavies, gts + blk+light                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             |             |      |         |          |            |        |       | Relative %: >1mm: 10%; 0.5-1mm: 10%; 25-.5mm: 20%; <.25mm:60% (lgt, id) |             |              |         |           |            |              |                   |          |                 |        |        |      |             |                   |  |
| JBA0-003   | A1489      | N 5166738 m, 18 340404 m | 31K11 |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             |             |      |         |          |            |        |       | Relative%: > 1mm: 5%; 1-0.5mm: 15%; 0.5-0.25mm: 50%; <0.25mm: 30%       |             |              |         |           |            |              |                   |          |                 |        |        |      |             |                   |  |
| JBA0-001   | A1490      | N 5166753 m, 18 338632 m | 31K11 |                 | Panned from big creek flowing into top centre of Lac Dillart, surprisingly few heavies here, ~ 10% for such a good placer; lots of flat gneissic slabs lins the creek here and the various angles between them make a good high water ( up E) trap; lots of garnets (80%) mostly pelitic (pink bin) some red                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |             |      |         |          |            |        |       | Relative %: >1mm: 10%; 1-0.5mm: 35%; 0.5-0.25mm: 35%; <0.25mm: 20%      |             |              |         |           |            |              |                   |          |                 |        |        |      |             |                   |  |
| JBA0-003   | A1491      | N 5166758 m, 18 341283 m | 31K11 |                 | Panned from creek great placer trap just in front of 1/2 buried fallen tree, lots of gravel, lots (30%) of heavies, mostly (80%) pelitic looking gts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |             |      |         |          |            |        |       | Relative %: >1mm: 5%; 1-0.5mm: 25%; 0.5-0.25mm: 50%; ≤ .25mm: 20%       |             |              |         |           |            |              |                   |          |                 |        |        |      |             |                   |  |

[illegible]

[illegible]

| Old Sample | New Sample | UTM (E/N)                | NTS   | Description | Field Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Chin Block | Block Inset | M.L. | 2mm-1mm | 1mm-.5mm | .5mm-.25mm | <.25mm                                                                                                          | Probe | Lab Notes | Size .5-1mm | Picked Notes | Diamond Pyrope G8 | Pyrope G10 | Total Pyrope Chrome Diopside Ilmenite Chromite/Spinel Zircon Gold Glass Balls Monazite Rutile |
|------------|------------|--------------------------|-------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|------|---------|----------|------------|-----------------------------------------------------------------------------------------------------------------|-------|-----------|-------------|--------------|-------------------|------------|-----------------------------------------------------------------------------------------------|
| 4041       | A1615      | N 5170405 m, 18 375301 m | 31K10 | fluvial     | OS: retained; GV: retained -low; cOS: edited field eye, poor field eye, inex; pan: heavies; standard sample; high light frac.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 10-Y       | Y           |      |         |          |            | S                                                                                                               |       |           |             |              |                   |            |                                                                                               |
| 3001Q      | A1616      | N 5170434 m, 18 332406 m | 31K11 | G.F.        | OF7 Till, mostly subangular clasts; mafic gneiss; clasts to 40 cm; has not travelled far: ~ 15% clasts; matrix lg sand to silt grey; poss. A protocol; small pit to 60 cm; 50 kg no mesh; poor moderate sample                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | GRDY       | Y           | G    | G       | G        | S          |                                                                                                                 |       |           |             |              |                   |            |                                                                                               |
| AU01-004   | A1617      | N 5170967 m, 18 330907 m | 31K11 |             | Panned, Gaudreau creek, 1.5 km north of Jim Lake road and junction of Gaudreau Cree, km 128/133 ER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |             |      |         |          |            |                                                                                                                 |       |           |             |              |                   |            |                                                                                               |
| 3001H      | A1618      | N 5170969 m, 18 330919 m | 31K11 | Grab        | sample, 2 rocks of vuggy quartz veins, vein multi-epidic, with secondary veining exploding w. rounded clasts of first vein, vugs are cubic shaped, perhaps pyrites missing from metasomatic event, Events order: 1. Primary vein with pyrites, 2. Secondary vein forms, fragments primary vein, 3. metasomatic activity removes pyrites; Assay Au: 303 703, marble, tectonically injected, many mafic clasts, up to 30 cm, minor sulphides-pyrite, while and pink calcite crystals, 1-2mm, larger phenocrysts, euhedral, possibly apatite, up to 1 cm. Outcrop 295 698, banded gneiss, fairly mafic overall with a large even up to 10 ft in height, striae present on surface, uphill on subvertical surface, trend at 1740 and 1680 | GRD        |             |      |         |          |            |                                                                                                                 |       |           |             |              |                   |            |                                                                                               |
| 3001I      | A1619      | N 5170969 m, 18 330919 m | 31K11 | Grab        | Mafic bleccle; as float at base of o/c of banded mafic-QFG; red-brown colour; very weathered; matrix soft; angular to rounded lapilli; lapilli stand in relief (sharp) on weathered surface; matrix surrounds some clasts in a quenched texture same as kimberlite; no kimberlite minerals obs; stringers of gtz + micro prob. assoc. w/ large peg. veins nearby                                                                                                                                                                                                                                                                                                                                                                      | GRD        |             |      |         |          |            |                                                                                                                 |       |           |             |              |                   |            |                                                                                               |
| JBA1-001   | A1620      | N 5171170 m, 18 334601 m | 31K11 |             | Coulange River; Panned from E side of C downstream ~ 1km from Caldwell ok; there is supposed to be a ck just N of here but there is no evidence of one at all; panned gravel bar; 20% heavies, I imagine this is all washed till ~10% blacks; black till cliffs in this area (to 120') 2. o/c 1 Biotite gneiss; ~60% biotite, ~30% white f span, ~10%gtz; crosscut by K span rich Peg. veins to 5 cm all appear parallel; Peg strik 370 dip 210; o/c str 10 vert; J1 370 420, J2 3500 200, J3 10 90; cont mineral lineation is constant across o/c w/ local folded units visible ~1/2 way up cliff (height ~ 70')                                                                                                                     |            |             |      |         |          |            | Relative %: >1mm: 8%; 1-0.5mm: 2%; 0.5-0.25mm: 10%; <25mm: 80% (>1mm is 80% rusted, wellrounded, mafic pebbles) |       |           |             |              |                   |            |                                                                                               |
| 4042       | A1621      | N 5171301 m, 18 373507 m | 31K10 | fluvial     | OS: retained; GV + COS edited field eye: inex; pan: heavies; till sample - clay rich                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 10-Y       | Y           |      |         |          |            | S                                                                                                               |       |           |             |              |                   |            |                                                                                               |
| 3001G      | A1622      | N 5171682 m, 18 331261 m | 31K11 | G.F.        | borrow pit along Lac Jim road. Standard sample; burrow pit 10m High; bottom half bulldozed to make ATV trail; sample undisturbed half; ~70% clasts angular-rounded gneissic and minor marble, size to 60cm. Yellow brown-chestnut colour sand, when wet; approx. 40kg, 3mm mesh; good sample. * Great water spring in bottom of this pit! Very cold, very clear.                                                                                                                                                                                                                                                                                                                                                                      | GRDY       | Y           | G    | G       | G        | S          |                                                                                                                 |       |           |             |              |                   |            |                                                                                               |
| 4043       | A1623      | N 5172007 m, 18 373006 m | 31K10 | fluvial     | OS: retained; GV + COS: edited field eye: inex : poor field eye; pan: heavies; standard; high light frac.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 10-Y       | Y           |      |         |          |            | S                                                                                                               |       |           |             |              |                   |            |                                                                                               |
| AU01-006   | A1624      | N 5172026 m, 18 331455 m |       |             | same spot as AU01007, AU01008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            |             |      |         |          |            | 5mm                                                                                                             |       |           |             |              |                   |            |                                                                                               |
| AU01-007   | A1625      | N 5172026 m, 18 331455 m | 31K11 |             | Panned, creek at km 136 on Jim Lake road; spot where we found yellow weathered rock sample. Crustal garnets very pink.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |             |      |         |          |            | Relative %: >1mm: 40%; 1-0.5mm: 40%; 0.5-0.25mm: 15%; <25mm: 6%                                                 |       |           |             |              |                   |            |                                                                                               |
| AU01-008   | A1626      | N 5172026 m, 18 331455 m | 31K11 |             | Rock like altered marble                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |            |             |      |         |          |            |                                                                                                                 |       |           |             |              |                   |            |                                                                                               |
| JB129-001  | A1627      | N 5172048 m, 18 333978 m | 31K11 |             | Panned from Gaudreault ck, near entrance to Coulange just W of road; flat malty area; ~10% heavies-pink-black; not flagged                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            |             |      |         |          |            | Relative %: >1mm: 5%; 1-0.5mm: 5%; 0.5-0.25mm: 30%; <25mm: 60%                                                  |       |           |             |              |                   |            |                                                                                               |
| JB131-005  | A1628      | N 5172143 m, 18 334230 m | 31K11 |             | 26 upstream from the Caldwell on the Coulange                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            |             |      |         |          |            | Relative %: >1mm: 10%; 1-0.5mm: 20%; 0.5-0.25mm: 65%; <25mm: 15%                                                |       |           |             |              |                   |            |                                                                                               |
| JB131-004  | A1629      | N 5172147 m, 18 334270 m | 31K11 |             | Coldwell Ck into C.R.; panned @ ~15' from Coulange in good places (pool @ bottom of fall); dry ck; ~2% heavies gts + black minerals; a lot of till here                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |             |      |         |          |            | Relative%: >1mm: 15%; 1-0.5mm: 5%; 0.5-0.25mm: 10%; <25mm: 70%                                                  |       |           |             |              |                   |            |                                                                                               |
| K-365      | A1630      | N 5172150 m, 18 333981 m | 31K11 |             | From Coulange on Sandbar, near mouth of Gaudreault                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |             |      |         |          |            | 5mm                                                                                                             |       |           |             |              |                   |            |                                                                                               |
| JBA19-005  | A1631      | N 5172283 m, 18 351221 m |       |             | Panned from gravel/and bar in mid channel just below 3rd rapids; moderate placer; 10-55 heavies pink gts and blk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |             |      |         |          |            | Relative %: <25mm: 100%                                                                                         |       |           |             |              |                   |            |                                                                                               |

| Old Sample | New Sample | UTM (E/N)                | NTS   | Description    | Field Notes                                                                                                                                                                                                                             | Chain Block | Block | Inlet | K.L. | 2mm-1mm | 1mm-.5mm | .5mm-.25mm | <.25mm | Probe | Lab Notes                                                                      | Size .5-1mm | Picked Notes       | Diamond | Pyrope G9 | Pyrope G10 | Total Pyrope | Chromite Diopside | Ilmenite | Chromite/Spinel | Zircon | Olivine | Gold | Glass Balis | Magnetic Balis |  |
|------------|------------|--------------------------|-------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|-------|------|---------|----------|------------|--------|-------|--------------------------------------------------------------------------------|-------------|--------------------|---------|-----------|------------|--------------|-------------------|----------|-----------------|--------|---------|------|-------------|----------------|--|
| JB/J31-009 | A1532      | N 6172274 m, 18 334318 m | 31K11 |                | Taken where Caldwell ck actually enters the Coulange (N side of Mneender) ~100m upstream; well washed gravels; ~15-20% heavies; tons of garnets the odd one is quite red. (Alm. Py?) Till                                               |             |       |       |      |         |          |            |        |       | Relative %: >1mm: 10%; 1-0.5mm: 15%; 0.5-0.25mm: 40%; <0.25mm: 35%             |             |                    |         |           |            |              |                   |          |                 |        |         |      |             |                |  |
| JB/J31-008 | A1533      | N 6172524 m, 18 334081 m | 31K11 |                | Panned from beach on C. where ck above Coldwell enters; VF sands ~15% heavies , 5% small clasts; cliffs of till around here to 50"                                                                                                      |             |       |       |      |         |          |            |        |       | Relative %: >1mm: 8%; 1-0.5mm: 2%; 0.5-0.25mm: 5%; <.25mm: 85%                 |             |                    |         |           |            |              |                   |          |                 |        |         |      |             |                |  |
| AU01-005   | A1534      | N 6172530 m, 18 332014 m | 31K11 |                | Till sample from root of tree, 500 north of sample AU01004; red sand; 1/2 lb                                                                                                                                                            |             |       |       |      |         |          |            |        |       | .5mm                                                                           |             |                    |         |           |            |              |                   |          |                 |        |         |      |             |                |  |
| JB/J31-007 | A1535      | N 6172545 m, 18 334000 m | 31K11 |                | Panned from gravel ba. Middle of C. river; ~50m upstream from 005; lots of gts, heavies ~15%                                                                                                                                            |             |       |       |      |         |          |            |        |       | Relative %: >1mm: 2%; 1-0.5mm: 3%; 0.5-0.25mm: 25%; <0.25mm: 70%               |             |                    |         |           |            |              |                   |          |                 |        |         |      |             |                |  |
| JBA19-004  | A1536      | N 6172555 m, 18 351380 m |       |                | Panned from river at good placer just above 1st rapids, gravel point; lots of heavies (to 20%); big gts pme quite red; lots clear ~1/8" size gms (gtz?) left in sample                                                                  |             |       |       |      |         |          |            |        |       | Relative %: >1mm: 5%; 1-0.5mm: 6%; 0.5-0.25mm: 20%; <.25mm 70%                 |             |                    |         |           |            |              |                   |          |                 |        |         |      |             |                |  |
| JB/J31-008 | A1537      | N 6172585 m, 18 334085 m | 31K11 |                | Panned from 60m up ck N of Caldwell ck; mostly gravel; ~10% heavies not many gts                                                                                                                                                        |             |       |       |      |         |          |            |        |       | Relative %: >1mm: 10%; 1-0.5mm: 30%; 0.5-0.25mm: 30%; <.25mm: 30%              |             |                    |         |           |            |              |                   |          |                 |        |         |      |             |                |  |
| 3001P      | A1538      | N 6172620 m, 18 332124 m | 31K11 | G.F. sand      | At side of road with bear belts ( 7bags, unscreened (70 and 80 kg); fine to medium sand, yellow-brown, with organics past 5 cm depth; skim sample of upper layer, very few clasts; glacial-fluvial outwash, poor to moderate quality)   | GRDY        |       | Y     | G    | G       | G        | S          |        |       |                                                                                |             |                    |         |           |            |              |                   |          |                 |        |         |      |             |                |  |
| 4050       | A1539      | N 6172803 m, 18 363503 m | 31K10 | scrape/fluvial | OS: retained; GV + COS: edited field eye: Inex; pan: heavies; till: High Ferro Mag                                                                                                                                                      | 15-2Y       |       | Y     |      |         |          | S          |        |       |                                                                                |             |                    |         |           |            |              |                   |          |                 |        |         |      |             |                |  |
| 4044       | A1540      | N 6172823 m, 18 370702 m | 31K10 | basal          | OS: retained; GV + COS: edited field eye, Inex; pan: heavies; standard; high underside light frac                                                                                                                                       | 10-1Y       |       | Y     |      |         |          | S          |        |       |                                                                                |             |                    |         |           |            |              |                   |          |                 |        |         |      |             |                |  |
| JB/J31-002 | A1541      | N 6173021 m, 18 331960 m | 31K11 |                | W fork of forked ck draining N most anomaly; mainly areay w/ signs of faster water in spring; fine sands, small gravels and large exfoliated rca line the bottom of stream; small amt of heavies; some gts; none to v little till here  |             |       |       |      |         |          |            |        |       | Relative %: >1mm: 10%; 1-0.5mm: 15%; 0.5-0.25mm: 60%; <.25mm: 15% ( Hbde rich) |             |                    |         |           |            |              |                   |          |                 |        |         |      |             |                |  |
| JB/J31-003 | A1542      | N 6173042 m, 18 332014 m | 31K11 |                | Panned from E park, ~60m from 002; same environment as 002 but more sand, less rca; heavies ~10%, few gts, large % of light coloured heavies                                                                                            |             |       |       |      |         |          |            |        |       | Relative %: 1-0.5mm: 10%; 0.5-0.25mm: 30%; <.25mm: 60% (Py ?)                  |             |                    |         |           |            |              |                   |          |                 |        |         |      |             |                |  |
| 3001O      | A1543      | N 6173046 m, 18 333704 m | 31K11 | G.F.           | Glaciofluvial till; ESKER material N of camp 208; med to coarse sand and gravel, well sorted; yellow brown. 40-50% clasts rounded; gneissic -1 ~10% are microcline size to 5 cm; skim sample @ goodwinson site: 40 kg, 3mm, good sample | GRDY        |       | Y     |      |         |          | S          |        |       |                                                                                |             | 1pc chromite large |         |           |            |              |                   |          |                 |        |         |      |             |                |  |
| 4051       | A1544      | N 6173108 m, 18 361605 m | 31K10 | scrape/basal   | OS: retained; GV + COS: edited field eye: Inex; pan: heavies; till High Ferro Mag                                                                                                                                                       | 10-6Y       |       | Y     |      |         |          | S          |        |       |                                                                                |             |                    |         |           |            |              |                   |          |                 |        |         |      |             |                |  |
| 4032       | A1545      | N 6173203 m, 18 368204 m | 31K10 | scrape/fluvial | OS: retained; GV + COS: edited field eye, Inex = chrome diopside?; pan heavies; till?                                                                                                                                                   | 10-6Y       |       | Y     |      |         |          | S          |        |       |                                                                                |             |                    |         |           |            |              |                   |          |                 |        |         |      |             |                |  |
| 4035       | A1546      | N 6173305 m, 18 360902 m | 31K10 | fluvial        | OS: retained; GV + COS: edited field eye: Inex; pan heavies;                                                                                                                                                                            | 10-6Y       |       | Y     |      |         |          | S          |        |       |                                                                                |             |                    |         |           |            |              |                   |          |                 |        |         |      |             |                |  |
| 4045       | A1547      | N 6173388 m, 18 370706 m | 31K10 | fluvial        | OS: retained; GV + COS: edited field eye: Inex; pan heavies; standard                                                                                                                                                                   | 15-2Y       |       | Y     |      |         |          | S          |        |       |                                                                                |             |                    |         |           |            |              |                   |          |                 |        |         |      |             |                |  |
| 4031       | A1548      | N 6173710 m, 18 358503 m | 31K10 | basal/till     | OS: retained; GV+ COS: edited field eye: Inex; pan heavies; till - silty                                                                                                                                                                | 10-6Y       |       | Y     |      |         |          | S          |        |       |                                                                                |             |                    |         |           |            |              |                   |          |                 |        |         |      |             |                |  |
| 4033       | A1549      | N 6173807 m, 18 360108 m | 31K10 | scrape/fluvial | OS: retained; GV+ COS: edited field eye; pan heavies; till, dirty, silty                                                                                                                                                                | 10-6Y       |       | Y     |      |         |          | S          |        |       |                                                                                |             |                    |         |           |            |              |                   |          |                 |        |         |      |             |                |  |
| 4034       | A1550      | N 6173900 m, 18 360102 m | 31K10 | fluvial        | OS: retained; GV + COS: edited field eye, large Inex; pan Large heavies; standard sample                                                                                                                                                | 10-6Y       |       | Y     |      |         |          | S          |        |       |                                                                                |             |                    |         |           |            |              |                   |          |                 |        |         |      |             |                |  |
| 4046       | A1551      | N 6174111 m, 18 368103 m | 31K10 | basal          | OS: retained; GV + COS: edited field eye: Inex; pan heavies; till - silty                                                                                                                                                               | 15-2Y       |       | Y     |      |         |          | S          |        |       |                                                                                |             |                    |         |           |            |              |                   |          |                 |        |         |      |             |                |  |
| JB/J29-003 | A1552      | N 6174414 m, 18 333613 m | 31K11 |                | Panned from Murphy Ck; ~ 100 m from entrance to C; Till mostly, Saw some deep red gts in sample, moderate places, centre of stream                                                                                                      |             |       |       |      |         |          |            |        |       | Relative %: >1mm: 5%; 1-0.5mm: 30%; 0.5-0.25mm: 60%; <0.25mm: 10%              |             |                    |         |           |            |              |                   |          |                 |        |         |      |             |                |  |
| JB/J29-004 | A1553      | N 6174339 m, 18 333039 m | 31K11 |                | From Ck 800m N along Coulange from 003. Ck flows into W side of C; taken 20m up from mouth; Till; All samples far de.ined from tills; EOD; 4 samples                                                                                    |             |       |       |      |         |          |            |        |       | Relative %: >1mm: 5%; 1-0.5mm: 40%; 0.5-0.25mm: 40%; <0.25mm: 15%              |             |                    |         |           |            |              |                   |          |                 |        |         |      |             |                |  |
| 4049       | A1554      | N 6174410 m, 18 384506 m | 31K10 | scrape/fluvial | OS: retained; GV + COS: Edited field eye: Inex; pan: heavies; Till high ferro mag; bad bux                                                                                                                                              | 15-2Y       |       | Y     |      |         |          | S          |        |       |                                                                                |             |                    |         |           |            |              |                   |          |                 |        |         |      |             |                |  |

| Old Sample # | New Sample | UTM (E/N)                | NTS   | Description            | Field Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Chain Block | Block | Inex | M.L. | 2mm-1mm | 1mm-5mm | 5mm-25mm | <25mm | Probe | Lab Notes                                                          | Size                                                                                           | Picked Notes | Diamond | Pyrope G6 | Pyrope G10 | Total Pyrope | Chrome Diopside | Ilmenite | Chromite/Spinel | Zircon | Olivine | Gold | Glass Balls | Magnetic Balls |  |  |  |
|--------------|------------|--------------------------|-------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|------|------|---------|---------|----------|-------|-------|--------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------|---------|-----------|------------|--------------|-----------------|----------|-----------------|--------|---------|------|-------------|----------------|--|--|--|
| JBA19-001    | A1556      | N 5174602 m, 18 353213 m |       |                        | Trip down Crow, panned from moderate placer on W side of Crow just S of Dauphine Twp. Northern border, fine sand ~4% heavies; red-pink gts + blacks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |       |      |      |         |         |          |       |       | Relative %: 0.5-0.25mm: 5%; <0.25: 95%                             |                                                                                                |              |         |           |            |              |                 |          |                 |        |         |      |             |                |  |  |  |
| 3001F        | A1556      | N 5174608 m, 18 332906 m | 31K11 | G.F                    | (standard sample, 40 kg or 4 bags of 3 mm screened material, glacio-fluvial till, surface winnowed, 40% or less clasts, range from silt to boulders, (standard), sample yellowish grey, subrounded to rounded, clasts mainly gneissic, some quartz, located near cabin, possibly some human working on till, good quality sample, outcrop (Lac Jim rod, 330 737, mafic gneiss, some albite blasts, subhorizontal gneissosity with strike of 1400 and shallow dip, minor pegmatite veining, 1-2 cm wide, contain large blebs of pyrite wite siderite (?) alteration products, pegmatide 314764, Outcrop 315 718, mafic gneiss with variable gneissosity, somewhat deformed, minor veinlets, fgmets up to 1 cm, joints at 900, 1480/72, 120/55, joints at 200(or 2000) that appear slightly grooved. Outcrop (west side of Lac Jim Rd.), 306709, interbedded mafic w. GF gneiss, subhorizontal gneissosity, slight dip to the 2700, 100 m further south, outcrop displays sickensides in GF gneiss with gneissosity 190/25 plus epidote crystals, joints @1200, white quartz pegmatite, 20 cm thick on top of outcrop, large feldspar laths in it, 040/70 | GRDY        | Y     | G    | G    | G       | S       |          |       |       |                                                                    |                                                                                                |              |         |           |            |              |                 |          |                 |        |         |      |             |                |  |  |  |
| 4030         | A1557      | N 5174703 m, 18 367304 m | 31K10 | basal till             | OS: retained; GV: Inex; COS: edited field eye; Inex; pan: heavies; till: silt rich - small sample                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 10-4Y       | Y     |      |      |         |         |          | S     |       |                                                                    |                                                                                                |              |         |           |            |              |                 |          |                 |        |         |      |             |                |  |  |  |
| 4048         | A1558      | N 5174802 m, 18 365405 m | 31K10 | fluvial                | OS: retained; GV: high edited field eye; Inex; COS: edited field eye; Inex; pan heavies; till silt rich; high Ferro Mag; bad bugs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 15-2Y       | Y     |      |      |         |         |          | S     |       |                                                                    |                                                                                                |              |         |           |            |              |                 |          |                 |        |         |      |             |                |  |  |  |
| 4053         | A1559      | N 5174840 m, 18 334302 m | 31K11 | fluvial                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | GARY        | Y     |      |      |         |         |          | S     |       |                                                                    | Pyrope garnets, apple green chrome diopside & lots of iliac - pinkish garnets probably crustal |              |         |           |            | Y            | Y               |          |                 |        |         |      |             |                |  |  |  |
| 4029         | A1560      | N 5174905 m, 18 358308 m | 31K10 | thin till fluvial comp | OS: retained; GV + COS: Inex; pan: heavies; till: silt rich; * extremely OXC (?) reddish brown                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 10-4Y       | Y     |      |      |         |         |          | S     |       |                                                                    |                                                                                                |              |         |           |            |              |                 |          |                 |        |         |      |             |                |  |  |  |
| 4047         | A1561      | N 5174908 m, 18 387307 m | 31K10 | fluvial                | OS: retained; GV + COS: edited field eye; Inex; pan heavies; standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 16-2Y       | Y     |      |      |         |         |          | S     |       |                                                                    |                                                                                                |              |         |           |            |              |                 |          |                 |        |         |      |             |                |  |  |  |
| JB,29-002    | A1562      | N 5174922 m, 18 332578 m | 31K11 |                        | Panned from Couliange, 150 m N of old bridge (ont) W side; flat rapids, good placer trap behind flat, angled boulder (eddy)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |       |      |      |         |         |          |       |       | Relative %: >1mm: 10%; 1-0.5mm: 10%; 0.5-0.25mm: 40%; <0.25mm: 40% |                                                                                                |              |         |           |            |              |                 |          |                 |        |         |      |             |                |  |  |  |
| 4011         | A1563      | N 5174988 m, 18 334112 m | 31K11 | reworked till          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | GARY        | Y     |      |      |         |         |          | S     |       |                                                                    |                                                                                                |              |         |           |            |              |                 |          |                 |        |         |      |             |                |  |  |  |
| 4059         | A1584      | N 5175238 m, 18 334408 m |       | stream sample          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 10-4Y       | Y     |      |      |         |         |          | S     |       |                                                                    |                                                                                                |              |         |           |            |              |                 |          |                 |        |         |      |             |                |  |  |  |
| 4012         | A1565      | N 5175302 m, 18 334609 m | 31K11 | fluvial/glacial        | Small oversize=200g. GV Inex, COS Inex; Pan: separated; poor field eyes; 5ml amt (7small) sample                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | GARY        | Y     |      |      |         |         |          | S     |       |                                                                    |                                                                                                |              |         |           |            |              |                 |          |                 |        |         |      |             |                |  |  |  |
| 4052         | A1567      | N 5175304 m, 18 338887 m | 31K11 | fluvial                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | GARY        | Y     |      |      |         |         |          | S     |       |                                                                    |                                                                                                |              |         |           |            |              |                 |          |                 |        |         |      |             |                |  |  |  |
| 4016         | A1568      | N 5175402 m, 18 338101 m | 31K11 | scrape /basal          | OS retained, high silt till, GV+COS+Pan for Inex; reduced by 80%; pan small gty(?) (clayballs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 11-4Y       | Y     |      |      |         |         |          | S     |       |                                                                    |                                                                                                |              |         |           |            |              |                 |          |                 |        |         |      |             |                |  |  |  |
| 4017         | A1669      | N 5176402 m, 18 338101 m | 31K11 | scrape/bess            | same type as 4016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11-4Y       | Y     |      |      |         |         |          | S     |       |                                                                    |                                                                                                |              |         |           |            |              |                 |          |                 |        |         |      |             |                |  |  |  |
| 4085         | A1670      | N 5176402 m, 18 338101 m | 31K07 | basal / ablation       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 7-4         | Y     | Y    |      |         |         |          | S     |       |                                                                    |                                                                                                |              |         |           |            |              |                 |          |                 |        |         |      |             |                |  |  |  |
| 4086         | A1671      | N 5176402 m, 18 338101 m |       | basal                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 10-4Y       | Y     | G    | G    | G       | G       | S        |       |       |                                                                    |                                                                                                |              |         |           |            |              |                 |          |                 |        |         |      |             |                |  |  |  |
| 4028         | A1672      | N 5176806 m, 18 364610 m | 31K10 | fluvial/glacial        | OS: retained; GV + COS: Inex; pan: heavies; till: silt clay rich, 80% loss                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 10-4Y       | Y     |      |      |         |         |          | S     |       |                                                                    |                                                                                                |              |         |           |            |              |                 |          |                 |        |         |      |             |                |  |  |  |
| 4013         | A1673      | N 5176928 m, 18 334925 m | 31K11 | fluvial/glacial        | OS: retained; GV Inex; COS Inex; Pan separated; dirty sample, high silt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | GARY        | Y     |      |      |         |         |          | S     |       |                                                                    |                                                                                                |              |         |           |            |              |                 |          |                 |        |         |      |             |                |  |  |  |
| 4015         | A1574      | N 5176115 m, 18 338406 m | 31K11 | fluvial/glacial        | OS retained; GV Inex; COS big frac Inex; Pan separated; high Ferro Mag, poor field eye                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11-4Y       | Y     |      |      |         |         |          | S     |       |                                                                    |                                                                                                |              |         |           |            |              |                 |          |                 |        |         |      |             |                |  |  |  |
| 4064         | A1575      | N 5176115 m, 18 338406 m | 31K07 | ablation               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 7-6         | Y     | Y    |      |         |         |          | S     |       |                                                                    |                                                                                                |              |         |           |            |              |                 |          |                 |        |         |      |             |                |  |  |  |
| 4014         | A1578      | N 5176364 m, 18 335056 m | 31K11 | fluvial/glacial        | OS retained; GV Inex; COS Inex; Pan separated; poor field eyes; silty                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | GARY        | Y     |      |      |         |         |          | S     |       |                                                                    |                                                                                                |              |         |           |            |              |                 |          |                 |        |         |      |             |                |  |  |  |
| 4027         | A1577      | N 5177114 m, 18 363406 m | 31K10 | till basal             | OS: retained; GV + COS: edited field eye; pan: heavies retained; standard sample clear                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 18-1Y       | Y     |      |      |         |         |          | S     |       |                                                                    |                                                                                                |              |         |           |            |              |                 |          |                 |        |         |      |             |                |  |  |  |
| 4018         | A1578      | N 5177610 m, 18 340705 m | 31K11 | scrape/bess l          | OS retained; GV + COS edited. Inex in lab high silt content; pan retained, standard sample                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 18-1Y       | Y     |      |      |         |         |          | S     |       |                                                                    |                                                                                                |              |         |           |            |              |                 |          |                 |        |         |      |             |                |  |  |  |
| 4028         | A1579      | N 5178103 m, 18 362706 m | 31K10 | scrape/fluvial         | Pan sample; OS: retained                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 15-1Y       | Y     |      |      |         |         |          | S     |       |                                                                    |                                                                                                |              |         |           |            |              |                 |          |                 |        |         |      |             |                |  |  |  |
| 4025         | A1580      | N 5178311 m, 18 361107 m | 31K10 | scrape/fluvial l       | OS retained; GV + COS: Inex; pan: heavies; till: high clay S.H.; small sample                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 15-1Y       | Y     |      |      |         |         |          | S     |       |                                                                    |                                                                                                |              |         |           |            |              |                 |          |                 |        |         |      |             |                |  |  |  |

| Old Sample # | New Sample | UTM (E/N)                | NTS   | Description     | Field Notes                                                                                                                                                                                                                                                                                                             | Chert Block | Black Block | Inex | M.L. | 2mm-1mm | 1mm-.5mm | .5mm-.25mm | <.25mm                                                             | Pyrite | Lab Notes                   | Size .5-1mm | Picked Notes                         | Diamond | Pyrope Gt | Pyrope Oliv | Total Pyrope | Chromite | Diopside | Ilmenite | Chromite/Sphalerite | Zircon | Olivine | Quartz | Glass Balls | Magnetite |  |
|--------------|------------|--------------------------|-------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|------|------|---------|----------|------------|--------------------------------------------------------------------|--------|-----------------------------|-------------|--------------------------------------|---------|-----------|-------------|--------------|----------|----------|----------|---------------------|--------|---------|--------|-------------|-----------|--|
| 4024         | A1581      | N 5178804 m, 18 349501 m | 31K10 | scrape/basal    | OS retained; GV + COS; Inex; pan: heavies few; till; ~20% sample; clay silt rich; clay balls                                                                                                                                                                                                                            |             | 15-Y        | Y    |      |         |          |            | S                                                                  |        |                             |             |                                      |         |           |             |              |          |          |          |                     |        |         |        |             |           |  |
| DB1          | A1582      | N 5178894 m, 18 327228 m | 31K11 |                 | Amphibolites; mod fol n possible biotite offer n of hornblende; hornblende rich, very mafic rich gneiss. Round ultramafic boulder on west side of road side; very rounded plus other boulders under sand, lots of rocks; km 148, Jim Lake Road                                                                          |             |             |      |      |         |          |            |                                                                    |        |                             |             |                                      |         |           |             |              |          |          |          |                     |        |         |        |             |           |  |
| 4021         | A1583      | N 5179030 m, 18 346028 m | 31K11 | scrape/till     | OS retained; GV+COS small Inex; Pan heavies-few; till sample and high clay silt; 30% retained                                                                                                                                                                                                                           |             | 15-Y        | Y    |      |         |          |            | S                                                                  |        |                             |             |                                      |         |           |             |              |          |          |          |                     |        |         |        |             |           |  |
| 4019         | A1584      | N 5179091 m, 18 341507 m | 31K11 | fluvial/glacial | Standard sample, OS retained; GV + COS edited; pan heavies; silt rich, 60% size reduction                                                                                                                                                                                                                               |             | 15-Y        | Y    |      |         |          |            | S                                                                  |        |                             |             |                                      |         |           |             |              |          |          |          |                     |        |         |        |             |           |  |
| 4020         | A1585      | N 5179350 m, 18 343301 m | 31K14 | scrape/till     | Standard sample, high finlights and silt; OS; GV + COS edited field eye; pan heavies; fuel oil smell                                                                                                                                                                                                                    |             | 15-Y        | Y    |      |         |          |            | S                                                                  |        |                             |             |                                      |         |           |             |              |          |          |          |                     |        |         |        |             |           |  |
| DB2          | A1586      | N 5179400 m, 18 326488 m | 31K11 |                 | Mafic gneiss-garnetiferous (glossular); mod to weak banding; hornblende rich, very mafic rich gneiss. Banded gneiss surrounded by ultramafic rock; km 149-150, Jim Lake road; west side                                                                                                                                 |             |             |      |      |         |          |            |                                                                    |        | gneiss, minor orthopyroxene |             |                                      |         |           |             |              |          |          |          |                     |        |         |        |             |           |  |
| 4054         | A1587      | N 5179489 m, 18 346103 m | 31K15 | basal/fluvial   |                                                                                                                                                                                                                                                                                                                         |             | 15-Y        | Y    | G    | G       | G        | G          |                                                                    |        |                             |             |                                      |         |           |             |              |          |          |          |                     |        |         |        |             |           |  |
| 4054         | A1588      | N 5179505 m, 18 350096 m | 31K15 | fluvial         |                                                                                                                                                                                                                                                                                                                         |             | 2-3 Y       | Y    |      |         |          |            | S                                                                  |        |                             |             |                                      |         |           |             |              |          |          |          |                     |        |         |        |             |           |  |
| 4023         | A1589      | N 5179538 m, 18 347900 m | 31K15 | scrape/till     | OS: -, GV + COS: edited field eye, Inex; pan: -; till; high fine lights                                                                                                                                                                                                                                                 |             | 15-Y        | Y    | G    | G       | G        | G          | S                                                                  |        |                             |             |                                      |         |           |             |              |          |          |          |                     |        |         |        |             |           |  |
| 4022         | A1590      | N 5179714 m, 18 346111 m | 31K14 | scrape/till     | OS retained; GV +COS small Inex; pan heavies-few; till                                                                                                                                                                                                                                                                  |             | 15-Y        | Y    |      |         |          |            | S                                                                  |        |                             |             |                                      |         |           |             |              |          |          |          |                     |        |         |        |             |           |  |
| K-333        | A1591      | N 5188060 m, 18 327221 m | 31K14 |                 | Rock/boulder on side of road. Rock/Boulder on side of road (west side) open area                                                                                                                                                                                                                                        |             |             |      |      |         |          |            |                                                                    |        |                             |             |                                      |         |           |             |              |          |          |          |                     |        |         |        |             |           |  |
| K-337        | A1592      | N 5188977 m, 18 327621 m | 31K14 |                 | Sample screen taken from access from booth feeding into Coulonge (crossed river!) Taken from east side of Coulonge across from Booth                                                                                                                                                                                    |             |             |      |      |         |          |            |                                                                    |        |                             |             |                                      |         |           |             |              |          |          |          |                     |        |         |        |             |           |  |
| K-336        | A1593      | N 5189110 m, 18 327421 m | 31K14 |                 | screened stream sample; booth creek; appx 100' from coulonge. Booth Creek appx 100m from Coulonge                                                                                                                                                                                                                       |             |             |      |      |         |          |            |                                                                    |        |                             |             |                                      |         |           |             |              |          |          |          |                     |        |         |        |             |           |  |
| K-336        | A1594      | N 5191537 m, 18 326850 m | 31K14 |                 | Screened sample from Kane creek, hard to find, up hill - line cut; good sampler; V.K., Kane Creek (up hill from deer camp)                                                                                                                                                                                              |             |             |      |      |         |          |            |                                                                    |        |                             |             |                                      |         |           |             |              |          |          |          |                     |        |         |        |             |           |  |
| K-336        | A1595      | N 5205925 m, 18 325768 m | 31K14 |                 | Rocks from Coulonge, same location as K-339                                                                                                                                                                                                                                                                             |             |             |      |      |         |          |            |                                                                    |        |                             |             |                                      |         |           |             |              |          |          |          |                     |        |         |        |             |           |  |
| K-339        | A1596      | N 5205925 m, 18 325768 m | 31K14 |                 | Sample taken 200m south of bridge; screened. 200m south from bridge (mileage 154)                                                                                                                                                                                                                                       |             |             |      |      |         |          |            |                                                                    |        |                             |             |                                      |         |           |             |              |          |          |          |                     |        |         |        |             |           |  |
| DB3          | A1597      | N 5208128 m, 18 325503 m | 31K15 |                 | Km 155 Jim Lake road; massive black biotite? West side of road; road is black with black beside for 200m Hornblend gneiss; mad grain hornblend; weak/poor fol n, minor orthopyroxene                                                                                                                                    |             |             |      |      |         |          |            |                                                                    |        |                             |             |                                      |         |           |             |              |          |          |          |                     |        |         |        |             |           |  |
| K-301        | A1598      | N 5112086 m, 18 357574 m |       |                 | River going into lake, screened sample by Vladimir; mineralogical; stream flowing w-e into Lake; DB1301 MVK From stream flowing into Lac weary                                                                                                                                                                          |             |             |      |      |         |          |            |                                                                    |        |                             |             |                                      |         |           |             |              |          |          |          |                     |        |         |        |             |           |  |
| 3002M        | A1599      | N 5146553 m, 18 330532 m | 31K06 |                 | South of Lamb Lake - double check location from field notes.                                                                                                                                                                                                                                                            |             |             |      |      |         |          |            |                                                                    |        |                             |             | Pyropes, Chromite, & Chrome Diopside |         |           |             | Y            | Y        | Y        |          |                     |        |         |        |             |           |  |
| 402A         | A1800      |                          |       |                 | Green rock boulder in road, gravel, round, very hard                                                                                                                                                                                                                                                                    |             |             |      |      |         |          |            |                                                                    |        |                             |             |                                      |         |           |             |              |          |          |          |                     |        |         |        |             |           |  |
| A20-1        | A1801      |                          |       |                 | ; o/c Banded gneiss; laminar of gtz, ksp, bio, hbd; bands to several cm; J1 400 800, J2 3100 740 (11 to banding); several parallel peg veins; un to minority folded; P1 2700 subvert N, P2 1480 subvert, v small (mm scale), P3 600, subvert, very small (mm scale); this o/c is visible at most rapids on the way down |             |             |      |      |         |          |            |                                                                    |        |                             |             |                                      |         |           |             |              |          |          |          |                     |        |         |        |             |           |  |
| AU02-005     | A1602      |                          |       |                 |                                                                                                                                                                                                                                                                                                                         |             |             |      |      |         |          |            | .5mm                                                               |        |                             |             |                                      |         |           |             |              |          |          |          |                     |        |         |        |             |           |  |
| AU02-200     | A1603      |                          | 31K07 |                 | Panned + stuff, 500 m from the Y to the cabin                                                                                                                                                                                                                                                                           |             |             |      |      |         |          |            | Relative %; >1mm: 20%; 1-0.5mm: 20%; 0.5-0.25mm: 40%; <.25mm: 20%  |        |                             |             |                                      |         |           |             | Y            | Y        |          |          | Y                   |        |         |        |             |           |  |
| AU02-201     | A1604      | N 5156802 m, 18 340552 m | 31K06 |                 | North of the little lake on the road west of Bryson, Outcrop rock near the road                                                                                                                                                                                                                                         |             |             |      |      |         |          |            |                                                                    |        |                             |             |                                      |         |           |             |              |          |          |          |                     |        |         |        |             |           |  |
| AU02-202     | A1605      | N 5156941 m, 18 339778 m | 31K06 |                 | Panned and soil, on the big creek on the west side of Bryson between Gerland and Bryson on the lamb lake road.                                                                                                                                                                                                          |             |             |      |      |         |          |            | Relative %; >1mm: 10%; 1-0.5: 30%; 0.5-0.25mm: 30%; <.25mm: 30%    |        |                             |             |                                      |         |           |             |              |          |          |          |                     |        |         |        |             |           |  |
| B101         | A1606      |                          |       |                 |                                                                                                                                                                                                                                                                                                                         |             |             |      |      |         |          |            | .5mm                                                               |        |                             |             |                                      |         |           |             |              |          |          |          |                     |        |         |        |             |           |  |
| D200         | A1607      |                          |       |                 |                                                                                                                                                                                                                                                                                                                         |             |             |      |      |         |          |            | .5mm                                                               |        |                             |             |                                      |         |           |             |              |          |          |          |                     |        |         |        |             |           |  |
| D201         | A1508      |                          |       |                 |                                                                                                                                                                                                                                                                                                                         |             |             |      |      | Y       |          |            |                                                                    |        |                             |             |                                      |         |           |             |              |          |          |          |                     |        |         |        |             |           |  |
| D202         | A1606      |                          |       |                 |                                                                                                                                                                                                                                                                                                                         |             |             |      |      |         |          |            | Relative %; >1mm: 50%; 1-0.5mm: 30%; 0.5-0.25mm: 10%; <0.25mm: 10% |        |                             |             |                                      |         |           |             |              |          |          |          |                     |        |         |        |             |           |  |
| D203         | A1610      |                          |       |                 |                                                                                                                                                                                                                                                                                                                         |             |             |      |      |         |          |            | very small                                                         |        |                             |             |                                      |         |           |             |              |          |          |          |                     |        |         |        |             |           |  |
| D204         | A1611      |                          |       |                 |                                                                                                                                                                                                                                                                                                                         |             |             |      |      |         |          |            | .5mm                                                               |        |                             |             |                                      |         |           |             |              |          |          |          |                     |        |         |        |             |           |  |

| Old Sample | New Sample | UTM (E/N) | NTS   | Description | Field Notes                                                                                                                                                                                                                                                                                                                                                                                                 | Claim Block | Block | Host | M.L. | 2mm-1mm | 1mm-.5mm | .5mm-.25mm | <.25mm | Probe | Lab Notes                                                         | Size: 4-1mm | Picked Notes | Diamond | Pyrope G9 | Pyrope G10 | Total Pyrope | Chromite Diopside | Ilmenite | Chromite/Spinel | Zircon | Gold | Glass Balls | Minerals Bulk |
|------------|------------|-----------|-------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|------|------|---------|----------|------------|--------|-------|-------------------------------------------------------------------|-------------|--------------|---------|-----------|------------|--------------|-------------------|----------|-----------------|--------|------|-------------|---------------|
| D205       | A1612      |           |       |             |                                                                                                                                                                                                                                                                                                                                                                                                             |             |       |      |      |         |          |            |        |       | .5mm                                                              |             |              |         |           |            |              |                   |          |                 |        |      |             |               |
| DE150      | A1613      |           |       |             | On the shore of the lake, not panned, 1/3-1/2 of the bag                                                                                                                                                                                                                                                                                                                                                    |             |       |      |      |         |          |            |        |       | .5mm, few heavies                                                 |             |              |         |           |            |              |                   |          |                 |        |      |             |               |
| DE151      | A1614      |           |       |             | On the creek (mountain), not panned 1/4-1/3 of the bag                                                                                                                                                                                                                                                                                                                                                      |             |       |      |      |         |          |            |        |       |                                                                   |             |              |         |           |            |              |                   |          |                 |        |      |             |               |
| DE152      | A1615      |           |       |             | On the flat surface (creek), not panned                                                                                                                                                                                                                                                                                                                                                                     |             |       |      |      |         |          |            |        |       | .5mm                                                              |             |              |         |           |            |              |                   |          |                 |        |      |             |               |
| DE153      | A1616      |           |       |             | On the flat creek, not panned                                                                                                                                                                                                                                                                                                                                                                               |             |       |      |      |         | Y        |            |        |       |                                                                   |             |              |         |           |            |              |                   |          |                 |        |      |             |               |
| DE154      | A1617      |           |       |             | On the creek and the road (not panned)                                                                                                                                                                                                                                                                                                                                                                      |             |       |      |      |         |          |            |        |       | .5mm                                                              |             |              |         |           |            |              |                   |          |                 |        |      |             |               |
| EA2T1      | A1623      |           |       |             | South of target, side slope W: 50m from water, forest mostly pine, shoreline, a lot of mag rich rocks and porphs. A: humus and roots, black and grey underly-3cm. B. orange-ox clasts to 5-10cm, 30-40% with sand, little clay <65. C. Till/pseudo, oxidized-grey orange, large boulders up to 30cm subangular, small boulders - subangular to rounded; 50% clasts. <5% clay, 30-40% sand and small pebbles |             |       |      |      |         |          |            |        |       | .25 - 5 (<.25 not run) 2 bags only                                |             |              |         |           |            |              |                   |          |                 |        |      |             |               |
| EB2T1      | A1624      |           |       |             | Approx 200 S of line at 100W, first hole 2' hit pink gneiss and A+B horizon, 50m south to second hole, ~50 lb. A: grey, humus, grey 3cm; B. Orange-oxid, well developed, large boulders up to 25cm. C. yellowish orange, grey with sand and minimal clay, less boulders than in B zone, more homo sand than expected, clasts are mostly gneiss, rotten along biotite bands                                  |             |       |      |      |         |          |            |        |       | .25- 5, 5-1, +1 (<.25 not run)                                    |             |              |         |           |            |              |                   |          |                 |        |      |             |               |
| J1801      | A1626      |           | 31K10 |             | Stream on road to Pendergast, just before Victor's ultramafic rock (?) In water fall below bridge: claim 5109546(647)                                                                                                                                                                                                                                                                                       |             |       |      |      |         |          |            |        |       |                                                                   |             |              |         |           |            |              |                   |          |                 |        |      |             |               |
| J1802      | A1626      |           | 31K10 |             | Stream sample from swamp N.E. road east of Pendergast                                                                                                                                                                                                                                                                                                                                                       |             |       |      |      |         |          |            |        |       |                                                                   |             |              |         |           |            |              |                   |          |                 |        |      |             |               |
| J1806      | A1627      |           |       |             |                                                                                                                                                                                                                                                                                                                                                                                                             |             |       |      |      |         |          |            |        |       | .5mm                                                              |             |              |         |           |            |              |                   |          |                 |        |      |             |               |
| J23-503    | A1628      |           | 31K07 |             | ?                                                                                                                                                                                                                                                                                                                                                                                                           |             |       |      |      |         |          |            |        |       |                                                                   |             |              |         |           |            |              |                   |          |                 |        |      |             |               |
| J405       | A1629      |           |       |             |                                                                                                                                                                                                                                                                                                                                                                                                             |             |       |      |      |         |          |            |        |       | Too small for rel %                                               |             |              |         |           |            |              |                   |          |                 |        |      |             |               |
| J405       | A1630      |           |       |             |                                                                                                                                                                                                                                                                                                                                                                                                             |             |       |      |      |         |          |            |        |       | Too small for rel %                                               |             |              |         |           |            |              |                   |          |                 |        |      |             |               |
| J405       | A1631      |           |       |             |                                                                                                                                                                                                                                                                                                                                                                                                             |             |       |      |      |         |          |            |        |       | >25 and .5                                                        |             |              |         |           |            |              |                   |          |                 |        |      |             |               |
| J803M      | A1632      |           |       |             |                                                                                                                                                                                                                                                                                                                                                                                                             |             |       |      |      |         |          |            |        |       | Relative %: 0.5-0.25mm: 50%; <0.25mm: 50%                         |             |              |         |           |            |              |                   |          |                 |        |      |             |               |
| J904M      | A1633      |           |       |             |                                                                                                                                                                                                                                                                                                                                                                                                             |             |       |      |      |         |          |            |        |       | Relative %: >1mm: 20%; 1-0.5mm: 80%; 0.5-0.25mm: 10%; <.25mm: 10% |             |              |         |           |            |              |                   |          |                 |        |      |             |               |
| J912       | A1634      |           |       |             | Creek along main dirt road to zoo draining Squaw lake. Taken at west side of road in middle of stream 100' from road                                                                                                                                                                                                                                                                                        |             |       |      |      |         |          |            |        |       | Relative %: >1mm: 25%; 1-0.5mm: 50%; 0.5-0.25mm: 20%; <.25mm: 5%  |             |              |         |           |            |              |                   |          |                 |        |      |             |               |
| JBA10-004  | A1635      |           |       |             | 20lb bag; dry creek; soil-sandy                                                                                                                                                                                                                                                                                                                                                                             |             |       |      |      |         |          |            |        |       | Bulk                                                              |             |              |         |           |            |              |                   |          |                 |        |      |             |               |
| JBA19-002  | A1636      |           |       |             | Panned from creek outlet of big beaver pond ( shown on 1:20 as small pond); ~2% heavies VFG; pelitic looking gts and black                                                                                                                                                                                                                                                                                  |             |       |      |      |         |          |            |        |       | Relative %: < .25mm: 100%                                         |             |              |         |           |            |              |                   |          |                 |        |      |             |               |
| JBA19-003  | A1637      |           |       |             | Panned just downstream from 002; poor placer-this whole stretch of river is sand; ~0.5 - 1% heavies, pink, black                                                                                                                                                                                                                                                                                            |             |       |      |      |         |          |            |        |       | Relative %: < .25mm: 100%                                         |             |              |         |           |            |              |                   |          |                 |        |      |             |               |
| JBA19-005  | A1638      |           |       |             | Panned from creek mouth; moderate placer, lots of gravel to 5 cm in muds, heavies 5-10% small garnets, lots of black minerals                                                                                                                                                                                                                                                                               |             |       |      |      |         |          |            |        |       | Relative %: >1mm: 10%; 1-0.5mm: 20%; 0.5-0.25mm: 30%; <.25mm 50%  |             |              |         |           |            |              |                   |          |                 |        |      |             |               |
| JBA19-007  | A1639      |           |       |             | Panned at mouth of creek draining Lac John; this creek is very flat and marshy for ~ 1 km upstream: ~300m-none                                                                                                                                                                                                                                                                                              |             |       |      |      |         |          |            |        |       | Relative %: 0.5-0.25mm: 1%; <.25mm: 99%                           |             |              |         |           |            |              |                   |          |                 |        |      |             |               |
| JBA19-008  | A1640      |           |       |             | Panned at good placer on W side near large float; ~10% heavies; large garnets (to 3mm) some purplish-bln. most pink; a lot of large black clasts                                                                                                                                                                                                                                                            |             |       |      |      |         |          |            |        |       | Relative %: >1mm: 15%; 1-0.5mm: 20%; 0.5-0.25mm: 20%; <.25mm: 40% |             |              |         |           |            |              |                   |          |                 |        |      |             |               |
| JBA19-009  | A1641      |           |       |             | Panned at mouth of creek that doesn't appear on 1:20; large creek; poor placer; ~5% heavies, ~ blk and gts; creek appears on map but is offset                                                                                                                                                                                                                                                              |             |       |      |      |         |          |            |        |       | Relative %: < .25mm: 100%                                         |             |              |         |           |            |              |                   |          |                 |        |      |             |               |
| JBA19-010  | A1642      |           |       |             | Panned at mouth of large swampy creek draining 3rd order target; heavy fract, ~65; some clear heavies one of which floated when put back in pan (2mm size); gts vfg + (again) large (1mm) gnd blacks                                                                                                                                                                                                        |             |       |      |      |         |          |            |        |       | Relative %: >1mm: 5%; 1-0.5mm: 5%; 0.5-0.25mm: 5%; <.25mm 85%     |             |              |         |           |            |              |                   |          |                 |        |      |             |               |
| JBA19-011  | A1643      |           |       |             |                                                                                                                                                                                                                                                                                                                                                                                                             |             |       |      |      |         |          |            |        |       | Relative %: >1mm: 10%; 1-0.5mm: 20%; 0.5-0.25mm: 30%; <.25mm: 40% |             |              |         |           |            |              |                   |          |                 |        |      |             |               |

[illegible]

| Old Sample   | New Sample | UTM (E/N)                | MTS   | Description   | Field Notes                                                                                                                                                                                                                                                                                     | Claim Block | Block | Host | M.L. | 2mm-1mm | 1mm-.5mm | .5mm-.25mm | <.25mm | Probe | Lab Notes | Size .5-1mm | Picked Notes | Diamond | Pyrope G8 | Pyrope G10 | Total Pyrope | Chromite Dropside | Ilmenite | Chromite/Spinel | Zircon | Olivine | Gold | Glass Balls | Magnetic Balls |
|--------------|------------|--------------------------|-------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|------|------|---------|----------|------------|--------|-------|-----------|-------------|--------------|---------|-----------|------------|--------------|-------------------|----------|-----------------|--------|---------|------|-------------|----------------|
| K-328        | A1684      |                          | 31K10 |               | Sample taken from stone 20m upstream from old bridge location; sample screened and taken from in water to bank. Sample taken 20m upstream from old bridge near camp 208                                                                                                                         |             |       |      |      |         |          |            |        |       |           |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                |
| K-330        | A1685      |                          | 31K10 |               | Sample taken from stream running into Coulouge; appx 10' upstream from road                                                                                                                                                                                                                     |             |       |      |      |         |          |            |        |       |           |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                |
| K-331        | A1686      |                          | 31K10 |               | Sample taken from Coulouge appx 100-200m fro junction; screened. Sample Taken 100m-200m from junction of Ruisseau Bruce and Coulouge (on the Coulouge)                                                                                                                                          |             |       |      |      |         |          |            |        |       |           |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                |
| K-332        | A1687      |                          | 31K10 |               | Sample taken from river 200-300m up from junction (road led to junction), screen. Sample taken 300m up Ruisseau Bruce from Junction of it with Coulouge                                                                                                                                         |             |       |      |      |         |          |            |        |       |           |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                |
| K-334        | A1688      |                          | 31K11 |               | Outcrop/black; side of road near creek. Gauldreault Creek Property small stream. Along road near Coulouge Black Weathered rock/outcrop                                                                                                                                                          |             |       |      |      |         |          |            |        |       |           |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                |
| K-340        | A1689      |                          | 31K11 |               | Jlm Lake Rd to target #2, out line from side of road, small stream flowing SE? total journey 1587m                                                                                                                                                                                              |             |       |      |      |         |          |            |        |       |           |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                |
| not numbered | A1670      |                          |       |               | F.G. black/green, green from green fields or dropside 50% or green hornblende; mafics are likely argillite or hornblende, intergrown texture; minor garnet red/brown/ minor creamy fields in meg veilets; amphibolite; Km 17.3 Angular rock looks like rock from le Tac; road runs over deposit |             |       |      |      |         |          |            |        |       |           |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                |
| V2001        | A1671      |                          | 31K02 |               | Road cut at km 18.4 on east side of Jlm Lake road going up a hill, dropside (green) big Crystal of Sphene                                                                                                                                                                                       |             |       |      |      |         |          |            |        |       |           |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                |
| V2002        | A1672      |                          | 31K02 |               | JLM LAKE Road cut at km 25.6 marker 28, black sch maybe Au; definitely Sulphides (S2); roadcut on top of hill on east side of road                                                                                                                                                              |             |       |      |      |         |          |            |        |       |           |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                |
| V2003        | A1673      | N 5130292 m, 18 342274 m | 31K06 |               | Camp, at km 69.0: dyke outcrop on west side of road going up hill west of Duval garnet proxenite                                                                                                                                                                                                |             |       |      |      |         |          |            |        |       |           |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                |
| V2004        | A1674      | N 5130292 m, 18 342274 m | 31K08 |               | Camp at km 69.9: dyke on east side of road                                                                                                                                                                                                                                                      |             |       |      |      |         |          |            |        |       |           |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                |
| VD001        | A1675      | N 5138089 m, 18 332572 m | 31K08 |               | Dark road at km 84.1 on east side of road; no sample garnet proxenite (RECHECK COORDINATES)                                                                                                                                                                                                     |             |       |      |      |         |          |            |        |       |           |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                |
| XH080193     | A1678      | N 5142328 m, 18 365496 m | 31K07 | glaciofluvial |                                                                                                                                                                                                                                                                                                 |             |       |      |      |         |          |            |        |       |           |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                |
| XH080293     | A1677      | N 5141355 m, 18 366077 m | 31K07 | glaciofluvial |                                                                                                                                                                                                                                                                                                 |             |       |      |      |         |          |            |        |       |           |             |              |         |           |            |              | 1                 | 1        |                 |        |         |      |             |                |
| XH080393     | A1678      | N 5140149 m, 18 366986 m | 31K07 | glaciofluvial |                                                                                                                                                                                                                                                                                                 |             |       |      |      |         |          |            |        |       |           |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                |
| XH080493     | A1679      | N 5138325 m, 18 367604 m | 31K07 | stream        |                                                                                                                                                                                                                                                                                                 |             |       |      |      |         |          |            |        |       |           |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                |
| XH080593     | A1680      | N 5136389 m, 18 369560 m | 31K07 | glaciofluvial |                                                                                                                                                                                                                                                                                                 |             |       |      |      |         |          |            |        |       |           |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                |
| XH080693     | A1681      | N 5132814 m, 18 371157 m | 31K07 | glaciofluvial |                                                                                                                                                                                                                                                                                                 |             |       |      |      |         |          |            |        |       |           |             |              |         |           |            |              | 9                 |          |                 |        |         |      |             |                |
| XH080793     | A1682      | N 5131955 m, 18 371449 m | 31K06 | glaciofluvial |                                                                                                                                                                                                                                                                                                 |             |       |      |      |         |          |            |        |       |           |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                |
| XH080893     | A1683      | N 5126995 m, 18 371357 m | 31K07 | glaciofluvial |                                                                                                                                                                                                                                                                                                 |             |       |      |      |         |          |            |        |       |           |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                |
| XH080993     | A1684      | N 5128071 m, 18 369178 m | 31K07 | glaciofluvial |                                                                                                                                                                                                                                                                                                 |             |       |      |      |         |          |            |        |       |           |             |              |         |           |            |              |                   | 1        |                 |        |         |      |             |                |
| XH081093     | A1685      | N 5127887 m, 18 368519 m | 31K07 | glaciofluvial |                                                                                                                                                                                                                                                                                                 |             |       |      |      |         |          |            |        |       |           |             |              |         |           |            |              | 2                 |          |                 |        |         |      |             |                |
| XH081193     | A1686      | N 5131778 m, 18 367282 m | 31K07 | glaciofluvial |                                                                                                                                                                                                                                                                                                 |             |       |      |      |         |          |            |        |       |           |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                |
| XH081293     | A1687      | N 5133530 m, 18 362392 m | 31K07 | glaciofluvial |                                                                                                                                                                                                                                                                                                 |             |       |      |      |         |          |            |        |       |           |             |              |         |           |            |              |                   | 1        |                 |        |         |      |             |                |
| XH081393     | A1688      | N 5136989 m, 18 345884 m | 31K06 | hill          |                                                                                                                                                                                                                                                                                                 |             |       |      |      |         |          |            |        |       |           |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                |
| XH081493     | A1689      | N 5138425 m, 18 346446 m | 31K06 | hill          |                                                                                                                                                                                                                                                                                                 |             |       |      |      |         |          |            |        |       |           |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                |
| XH081593     | A1690      | N 5139804 m, 18 344573 m | 31K06 | hill          |                                                                                                                                                                                                                                                                                                 |             |       |      |      |         |          |            |        |       |           |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                |
| XH081693     | A1691      | N 5139627 m, 18 345886 m | 31K06 | hill          |                                                                                                                                                                                                                                                                                                 |             |       |      |      |         |          |            |        |       |           |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                |
| XH081793     | A1692      | N 5139126 m, 18 348381 m | 31K07 | hill          |                                                                                                                                                                                                                                                                                                 |             |       |      |      |         |          |            |        |       |           |             |              |         |           |            |              |                   | 3        |                 |        |         |      |             |                |
| XH081893     | A1693      | N 5138362 m, 18 347045 m | 31K07 | hill          |                                                                                                                                                                                                                                                                                                 |             |       |      |      |         |          |            |        |       |           |             |              |         |           |            |              |                   |          |                 |        |         |      |             |                |

| Old Sample | New Sample | UTM (E/N)                | NTS   | Description   | Field Notes                  | Clain Block | Block | Inox | M.L. | 2mm-10mm | 1mm-5mm | 5mm-25mm | <25mm | Probe | Lab Notes                       | Size .5-1mm                       | Picked Notes | Diamond | Pyrope G8 | Pyrope G10 | Total Pyrope | Chromite Droplets | Ilmenite | Chromite/Sphalerite | Zircon | Olivine | Gold | Glass Balls | Magnetic Balls |
|------------|------------|--------------------------|-------|---------------|------------------------------|-------------|-------|------|------|----------|---------|----------|-------|-------|---------------------------------|-----------------------------------|--------------|---------|-----------|------------|--------------|-------------------|----------|---------------------|--------|---------|------|-------------|----------------|
| XH061003   | A1694      | N 5136846 m, 18 347674 m | 31K07 | til           |                              |             |       |      |      |          |         |          |       |       |                                 |                                   |              |         |           |            |              |                   |          |                     |        |         |      |             |                |
| XH062003   | A1695      | N 5140290 m, 18 348557 m | 31K07 | til           |                              |             |       |      |      |          |         |          |       |       |                                 |                                   |              |         |           |            |              | 1                 |          |                     |        |         |      |             |                |
| XH062103   | A1696      | N 5140321 m, 18 346364 m | 31K07 | til           |                              |             |       |      |      |          |         |          |       |       |                                 |                                   |              |         |           |            |              |                   |          |                     |        |         |      |             |                |
| XH062203   | A1697      | N 5139752 m, 18 350188 m | 31K07 | til           |                              |             |       |      |      |          |         |          |       |       |                                 |                                   |              |         |           |            |              | 1                 |          |                     |        |         |      |             |                |
| XH062303   | A1998      | N 5139297 m, 18 351174 m | 31K07 | glaciofluvial |                              |             |       |      |      |          |         |          |       |       |                                 |                                   |              |         |           |            |              |                   |          |                     |        |         |      |             |                |
| XH062493   | A1999      | N 5138631 m, 18 352509 m | 31K07 | glaciofluvial |                              |             |       |      |      |          |         |          |       |       |                                 |                                   |              |         |           |            |              |                   |          |                     |        |         |      |             |                |
| XH062593   | A2000      | N 5138457 m, 18 353786 m | 31K07 | til           |                              |             |       |      |      |          |         |          |       |       |                                 |                                   |              |         |           |            |              |                   |          |                     |        |         |      |             |                |
| XH062693   | A2001      | N 5137551 m, 18 355285 m | 31K07 | glaciofluvial |                              |             |       |      |      |          |         |          |       |       |                                 |                                   |              |         |           |            |              |                   | 3        |                     |        |         |      |             |                |
| XH062793   | A2002      | N 5138151 m, 18 356886 m | 31K07 | glaciofluvial |                              |             |       |      |      |          |         |          |       |       |                                 |                                   |              |         |           |            |              |                   |          |                     |        |         |      |             |                |
| XH062893   | A2003      | N 5134204 m, 18 356715 m | 31K07 | glaciofluvial |                              |             |       |      |      |          |         |          |       |       |                                 |                                   |              |         |           |            |              |                   |          | 1                   |        |         |      |             |                |
| XH062993   | A2004      | N 5132412 m, 18 358907 m | 31K07 | glaciofluvial |                              |             |       |      |      |          |         |          |       |       |                                 |                                   |              |         |           |            |              |                   |          |                     |        |         |      |             |                |
| XH063093   | A2005      | N 5132601 m, 18 360012 m | 31K07 | til           |                              |             |       |      |      |          |         |          |       |       |                                 |                                   |              |         |           |            |              |                   |          |                     |        |         |      |             |                |
| XH063193   | A2006      | N 5133518 m, 18 360712 m | 31K07 | til           |                              |             |       |      |      |          |         |          |       |       |                                 |                                   |              |         |           |            |              |                   |          |                     |        |         |      |             |                |
| XH063293   | A2007      | N 5133525 m, 18 362612 m | 31K07 | til           |                              |             |       |      |      |          |         |          |       |       |                                 |                                   |              |         |           |            |              |                   |          |                     |        |         |      |             |                |
| XH063393   | A2008      | N 5132656 m, 18 340620 m | 31K06 | til           |                              |             |       |      |      |          |         |          |       |       |                                 |                                   |              |         |           |            |              |                   |          |                     |        |         |      |             |                |
| XH063493   | A2009      | N 5130781 m, 18 341481 m | 31K06 | glaciofluvial |                              |             |       |      |      |          |         |          |       |       |                                 |                                   |              |         |           |            |              |                   |          |                     |        |         |      |             |                |
| XH063593   | A2010      | N 5128912 m, 18 342084 m | 31K06 | glaciofluvial |                              |             |       |      |      |          |         |          |       |       |                                 |                                   |              |         |           |            |              |                   |          |                     |        |         |      |             |                |
| XH063693   | A2011      | N 5126803 m, 18 344746 m | 31K06 | til           |                              |             |       |      |      |          |         |          |       |       |                                 |                                   |              |         |           |            |              |                   |          |                     |        |         |      |             |                |
| XH063793   | A2012      | N 5125880 m, 18 346216 m | 31K07 | glaciofluvial |                              |             |       |      |      |          |         |          |       |       |                                 |                                   |              |         |           |            |              |                   |          |                     |        |         |      |             |                |
| XH063893   | A2013      | N 5119718 m, 18 350936 m | 31K02 | til           |                              |             |       |      |      |          |         |          |       |       |                                 |                                   |              |         |           |            |              |                   |          |                     |        |         |      |             |                |
| XH063993   | A2014      | N 5117862 m, 18 352503 m | 31K02 | til           |                              |             |       |      |      |          |         |          |       |       |                                 |                                   |              |         |           |            |              |                   |          |                     |        |         |      |             |                |
| XH064093   | A2015      | N 5116795 m, 18 354552 m | 31K02 | til           |                              |             |       |      |      |          |         |          |       |       |                                 |                                   |              |         |           |            |              |                   |          |                     |        |         |      |             |                |
|            | A2018      | N 5149486 m, 18 331461 m | 31K06 | stream        | Sample taken by Dominic Pare |             |       |      |      |          |         |          |       |       | See attached independent report | Garnets had intact kelyphite rims |              |         | Y         | Y          |              |                   |          |                     |        |         |      |             |                |

## SECTION 1

## IDENTIFICATION

### 1.1 IDENTIFICATION OF HOLDER, RESPONSIBLE HOLDER OR APPLICANT

|                                              |         |                         |                                                          |
|----------------------------------------------|---------|-------------------------|----------------------------------------------------------|
| Agreement number :                           |         |                         |                                                          |
| Name of the company                          |         | Company registration N° | Intervening party N° %                                   |
| 3929311 Canada Inc.                          |         | 19012                   | NA 100%                                                  |
| Name                                         |         | First name              | Intervening party N° %                                   |
| Burke                                        |         | Desmond                 |                                                          |
| Address (number, street or R.R. or P.O. box) |         | App.                    | City, town or municipality                               |
| 151 Ruskin Street                            |         |                         | Ottawa                                                   |
| Province                                     | Country | Postal code             | Area c. Telephone (home) Area c. Telephone (office) Ext. |
| Ontario                                      | Canada  | K1Y 4B9                 | 613 729-1878                                             |
| Area c. Fax                                  |         | E-mail address          |                                                          |
| 613 729-2341 -                               |         | dburke@brysonburke.com  |                                                          |

### 1.2 IDENTIFICATION OF PARTNERS

Complete this section if the work is reported as part of Québec Mining Exploration Assistance Program

|                                              |         |                    |                            |                            |      |
|----------------------------------------------|---------|--------------------|----------------------------|----------------------------|------|
| Name                                         |         | First name         |                            | Intervening party N° %     |      |
| NA                                           |         |                    |                            |                            |      |
| Address (number, street or R.R. or P.O. box) |         | App.               | City, town or municipality |                            |      |
|                                              |         |                    |                            |                            |      |
| Province                                     | Country | Postal code        | Area c. Telephone (home)   | Area c. Telephone (office) | Ext. |
|                                              |         |                    |                            |                            |      |
| Area c. Fax                                  |         | Fax E-mail address |                            |                            |      |
|                                              |         |                    |                            |                            |      |

|                                              |         |                |                            |                            |      |
|----------------------------------------------|---------|----------------|----------------------------|----------------------------|------|
| Name                                         |         | First name     |                            | Intervening party N° %     |      |
|                                              |         |                |                            |                            |      |
| Address (number, street or R.R. or P.O. box) |         | App.           | City, town or municipality |                            |      |
|                                              |         |                |                            |                            |      |
| Province                                     | Country | Postal code    | Area c. Telephone (home)   | Area c. Telephone (office) | Ext. |
|                                              |         |                |                            |                            |      |
| Area c. Fax                                  |         | E-mail address |                            |                            |      |
|                                              |         |                |                            |                            |      |

|                                              |         |                |                            |                            |      |
|----------------------------------------------|---------|----------------|----------------------------|----------------------------|------|
| Name                                         |         | First name     |                            | Intervening party N° %     |      |
|                                              |         |                |                            |                            |      |
| Address (number, street or R.R. or P.O. box) |         | App.           | City, town or municipality |                            |      |
|                                              |         |                |                            |                            |      |
| Province                                     | Country | Postal code    | Area c. Telephone (home)   | Area c. Telephone (office) | Ext. |
|                                              |         |                |                            |                            |      |
| Area c. Fax                                  |         | E-mail address |                            |                            |      |
|                                              |         |                |                            |                            |      |

### 1.3 PROJECT LEADER AND MAILING ADDRESS

|                                              |         |                        |                            |                            |      |
|----------------------------------------------|---------|------------------------|----------------------------|----------------------------|------|
| Name                                         |         | First name             |                            | Intervening party N° %     |      |
| Burke                                        |         | Desmond                |                            | NA                         |      |
| Address (number, street or R.R. or P.O. box) |         | App.                   | City, town or municipality |                            |      |
| 151 Ruskin Street                            |         |                        | Ottawa                     |                            |      |
| Province                                     | Country | Postal code            | Area c. Telephone (home)   | Area c. Telephone (office) | Ext. |
| Ontario                                      | Canada  | K1Y 4B9                | 613 729-1878               |                            |      |
| Area c. Fax                                  |         | E-mail address         |                            |                            |      |
| 613 729-2341                                 |         | dburke@brysonburke.com |                            |                            |      |

15.11.2003  
DATE

X  
SIGNATURE

Complete this section if the work is reported as part of Québec Mining Exploration Assistance Program

### 1.4 SIGNATURE OF PARTNERS

|      |                |
|------|----------------|
| DATE | X<br>SIGNATURE |
| DATE | X<br>SIGNATURE |
|      | X              |

SECTION 2

DESCRIPTION OF PROPERTY

2.1 NAME OF PROJECT

lac Bryson Diamond Project

2.2 LOCATION OF PROPERTY

Name of township(s)

(see attached List)

Identification of NTS leaflet  
(scale of 1 : 50 000)

31K6, 31K7, 31K10 & 31K11

2.3 NUMBER OF MINING RIGHTS AIMED BY THIS REPORT

CL : Staked claim   CDC : Map designated claim   PEM : Mining exploration licence   PRS : Exploration licence for surface mineral substances

| Type of title               | Number | Type of title | Number | Type of title | Number | Type of title | Number |
|-----------------------------|--------|---------------|--------|---------------|--------|---------------|--------|
| See Attached list of Claims |        |               |        |               |        |               |        |
|                             |        |               |        |               |        |               |        |
|                             |        |               |        |               |        |               |        |
|                             |        |               |        |               |        |               |        |
|                             |        |               |        |               |        |               |        |

SECTION 3

OBJECTIVE OF WORK PERFORMED

3.1 SUBSTANCES SOUGHT

The area has produced alluvial diamonds in heavy mineral stream sampling. Along with diamond fragments other diamond indicator minerals including ~~G9~~ Pyrope garnets with traces of Kelyphite, ~~G10~~ Pyrope garnet, chrome diopside, chromites and pieces of lamproite float have been recovered during sampling south of lac Lamb and south of lac Bryson. The project intends to locate and eventually exploit the source. Based upon known results to date it is believed that the source of the diamonds is a Lamproite.

3.2 GEOLOGICAL SETTING OF EXPLORED AREA

Highlight the favourable elements that may lead up to the discovery of mineral substances sought after

1. Structure - the discovery is criss-crossed by two major deep seated faults, both of which possess relationships to known kimberlite occurrences.
2. Geo-chemical sampling has produced diamond and diamond indicator minerals
3. Lamproite float has been identified south of lac Bryson.
4. ultramafic rocks are mapped and known to exist in the discovery area.
5. The region possesses similar geology to the Argyle diamond mine in Western Australia
6. Rocks possessing a reversed magnetic signature are known to exist in the discovery area and have been identified by Don MacFadyen a noted geophysist from Toronto.
7. Seismic surveys near the exploration property have indicated that there is a sufficiently thick crust for diamond preservation during transport.
8. The subject property is near to the transition zone of the Grenville, with the Superior geologic province and is adjacent to the Lake Timiskaming Structural Zone.
9. Ultramafic rocks are known to exist as dikes all across the subject property.

3.3 NEW DISCOVERY (indicator)

Yes ☒ No ☐

The discovery was initially made by Desmond Burke in August 1992, with the assistance of Dr. Viktor Gouchtchine a noted geologist from Russia with specific diamond experience. Mr. Burke has continued to delineate the targeted area since 1992.

REÇU AU MRN

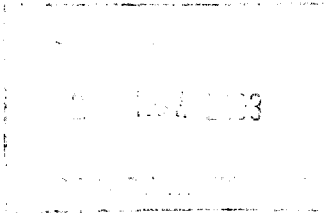
2 0 NOV. 2003

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Claim Renewal lac Bryson Series 2 Claims

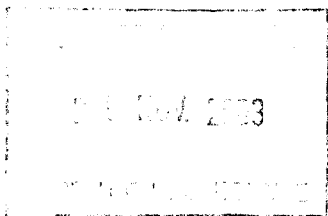
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| Central Bryson  | 85   | CDC 1038247                      | 31K07         | Anjou                | 59.36                 | 2003-11-21  |
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| Central Bryson  | 88   | CDC 1038250                      | 31K07         | Anjou                | 59.36                 | 2003-11-21  |
| Central Bryson  | 89   | CDC 1038251                      | 31K07         | Anjou                | 59.36                 | 2003-11-21  |
| Central Bryson  | 90   | CDC 1038252                      | 31K07         | Anjou                | 59.36                 | 2003-11-21  |
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| Central Bryson  | 92   | CDC 1038254                      | 31K07         | Anjou                | 59.36                 | 2003-11-21  |
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| Central Bryson  | 94   | CDC 1038256                      | 31K07         | Anjou                | 59.36                 | 2003-11-21  |
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| Central Bryson  | 96   | CDC 1038258                      | 31K07         | Anjou                | 59.36                 | 2003-11-21  |
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| Central Bryson  | 110  | CDC 1038272                      | 31K07         | Anjou                | 59.34                 | 2003-11-21  |
| Central Bryson  | 111  | CDC 1038273                      | 31K07         | Anjou                | 59.34                 | 2003-11-21  |
| East Pendergast | 112  | CDC 1038274                      | 31K10         | Gascogne             | 59.22                 | 2003-11-21  |
| East Pendergast | 113  | CDC 1038275                      | 31K10         | Gascogne             | 59.22                 | 2003-11-21  |
| East Pendergast | 114  | CDC 1038276                      | 31K10         | Gascogne             | 59.21                 | 2003-11-21  |
| East Pendergast | 115  | CDC 1038277                      | 31K10         | Gascogne             | 59.21                 | 2003-11-21  |
| Bransatt        | 116  | CDC 1038278                      | 31K06         | Rocheport            | 59.31                 | 2003-11-21  |
| Bransatt        | 117  | CDC 1038279                      | 31K06         | Rocheport            | 59.31                 | 2003-11-21  |
| Skunk Lake      | 118  | CDC 1038280                      | 31K11         | Marche               | 59.25                 | 2003-11-21  |
| Skunk Lake      | 119  | CDC 1038281                      | 31K11         | Marche               | 59.24                 | 2003-11-21  |
| Skunk Lake      | 120  | CDC 1038282                      | 31K11         | Marche               | 59.24                 | 2003-11-21  |
| Findlay         | 121  | CDC 1038283                      | 31K11         | Marche               | 59.24                 | 2003-11-21  |
| Findlay         | 122  | CDC 1038284                      | 31K11         | Marche               | 59.24                 | 2003-11-21  |
| Skunk Lake      | 123  | CDC 1038285                      | 31K11         | Marche               | 59.23                 | 2003-11-21  |
| Skunk Lake      | 124  | CDC 1038286                      | 31K11         | Marche               | 59.23                 | 2003-11-21  |
| Findlay         | 125  | CDC 1038287                      | 31K11         | Marche               | 59.23                 | 2003-11-21  |



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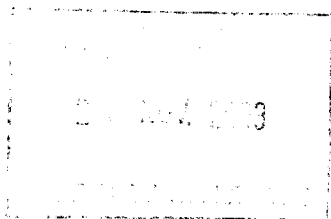
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| Findlay           | 133  | CDC 1038295                      | 31K11         | Marche               | 59.20                 | 2003-11-21  |
| Findlay           | 134  | CDC 1038296                      | 31K11         | Marche               | 59.20                 | 2003-11-21  |
| L'Argent Nord     | 135  | CDC 1038297                      | 31K11         | D'Oleron             | 59.16                 | 2003-11-21  |
| L'Argent Nord     | 136  | CDC 1038298                      | 31K11         | D'Oleron             | 59.16                 | 2003-11-21  |
| L'Argent Nord     | 137  | CDC 1038299                      | 31K11         | D'Oleron             | 59.16                 | 2003-11-21  |
| L'Argent Nord     | 138  | CDC 1038300                      | 31K11         | D'Oleron             | 59.15                 | 2003-11-21  |
| L'Argent Nord     | 139  | CDC 1038301                      | 31K11         | D'Oleron             | 59.15                 | 2003-11-21  |
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| L'Argent Nord     | 144  | CDC 1038306                      | 31K11         | D'Oleron             | 59.14                 | 2003-11-21  |
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| Bryson Road       | 146  | CDC 1038308                      | 31K06         | Forant               | 59.38                 | 2003-11-21  |
| Bryson Road       | 147  | CDC 1038309                      | 31K06         | Forant               | 59.37                 | 2003-11-21  |
| Bryson Road       | 148  | CDC 1038310                      | 31K06         | Forant               | 59.37                 | 2003-11-21  |
| Bransatt          | 149  | CDC 1038311                      | 31K06         | Rochefort/Forant     | 59.33                 | 2003-11-21  |
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| North East Bryson | 162  | CDC 1038327                      | 31K07         | Anjou                | 59.34                 | 2003-11-21  |
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Claim Renewal lac Bryson Series 2 Claims

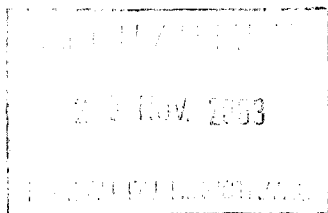
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| North East Bryson | 167  | CDC 1038332                      | 31K07         | Gascogne             | 59.32                 | 2003-11-21  |
| North East Bryson | 168  | CDC 1038333                      | 31K07         | Gascogne             | 59.32                 | 2003-11-21  |
| Otjick            | 169  | CDC 1038334                      | 31K07         | Flandre              | 59.31                 | 2003-11-21  |
| Otjick            | 170  | CDC 1038335                      | 31K07         | Flandre              | 59.31                 | 2003-11-21  |
| North East Bryson | 171  | CDC 1038336                      | 31K07         | Gascogne             | 59.31                 | 2003-11-21  |
| North East Bryson | 172  | CDC 1038337                      | 31K07         | Gascogne             | 59.31                 | 2003-11-21  |
| North East Bryson | 173  | CDC 1038338                      | 31K07         | Gascogne             | 59.31                 | 2003-11-21  |
| North East Bryson | 174  | CDC 1038339                      | 31K07         | Gascogne             | 59.31                 | 2003-11-21  |
| North East Bryson | 175  | CDC 1038340                      | 31K07         | Gascogne             | 59.31                 | 2003-11-21  |
| North East Bryson | 176  | CDC 1038341                      | 31K07         | Gascogne             | 59.31                 | 2003-11-21  |
| North East Bryson | 177  | CDC 1038342                      | 31K07         | Gascogne             | 59.31                 | 2003-11-21  |
| North East Bryson | 178  | CDC 1038343                      | 31K07         | Gascogne             | 59.31                 | 2003-11-21  |
| Swartz            | 179  | CDC 1038344                      | 31K07         | Gascogne             | 59.31                 | 2003-11-21  |
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| Otjick            | 182  | CDC 1038347                      | 31K07         | Flandre              | 59.30                 | 2003-11-21  |
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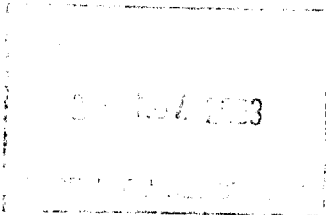
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| Resolin                   | 211  | CDC 1038376                      | 31K06         | Rochefort            | 59.30                 | 2003-11-21  |
| Resolin                   | 212  | CDC 1038377                      | 31K06         | Rochefort            | 59.30                 | 2003-11-21  |
| Bransatt                  | 213  | CDC 1038378                      | 31K06         | Rochefort            | 59.30                 | 2003-11-21  |
| Bransatt                  | 214  | CDC 1038379                      | 31K06         | Rochefort            | 59.29                 | 2003-11-21  |
| Bransatt                  | 215  | CDC 1038380                      | 31K06         | Rochefort            | 59.29                 | 2003-11-21  |
| Lamb Lake                 | 216  | CDC 1038381                      | 31K06         | Marche               | 59.29                 | 2003-11-21  |
| Lamb Lake                 | 217  | CDC 1038382                      | 31K06         | Marche               | 59.29                 | 2003-11-21  |
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| Resolin                   | 219  | CDC 1038384                      | 31K06         | Rochefort            | 59.29                 | 2003-11-21  |
| Lamb Lake                 | 220  | CDC 1038385                      | 31K06         | Marche               | 59.28                 | 2003-11-21  |
| Lamb Lake                 | 221  | CDC 1038386                      | 31K06         | Marche               | 59.27                 | 2003-11-21  |
| Lamb Lake                 | 222  | CDC 1038387                      | 31K06         | Marche               | 59.27                 | 2003-11-21  |
| Skunk Lake                | 223  | CDC 1038388                      | 31K06         | Marche               | 59.26                 | 2003-11-21  |
| Wright                    | 224  | CDC 1038389                      | 31K07         | Poitou               | 59.41                 | 2003-11-21  |
| Wright                    | 225  | CDC 1038390                      | 31K07         | Poitou               | 59.41                 | 2003-11-21  |
| Wright                    | 226  | CDC 1038391                      | 31K07         | Poitou               | 59.40                 | 2003-11-21  |
| Wright                    | 227  | CDC 1038392                      | 31K07         | Poitou               | 59.40                 | 2003-11-21  |
| Wright                    | 228  | CDC 1038393                      | 31K07         | Poitou               | 59.40                 | 2003-11-21  |
| Antoine                   | 229  | CDC 1038394                      | 31K07         | Anjou                | 59.40                 | 2003-11-21  |
| Central Bryson/Duval East | 230  | CDC 1038395                      | 31K07         | Anjou                | 59.4                  | 2003-11-21  |
| Central Bryson/Duval East | 231  | CDC 1038396                      | 31K07         | Anjou                | 59.39                 | 2003-11-21  |
| Wright                    | 232  | CDC 1038397                      | 31K07         | Poitou               | 59.39                 | 2003-11-21  |
| Wright                    | 233  | CDC 1038398                      | 31K07         | Poitou               | 59.39                 | 2003-11-21  |
| Central Bryson            | 234  | CDC 1038399                      | 31K07         | Anjou                | 59.39                 | 2003-11-21  |
| Central Bryson            | 235  | CDC 1038400                      | 31K07         | Anjou                | 59.39                 | 2003-11-21  |
| Central Bryson            | 236  | CDC 1038401                      | 31K07         | Anjou                | 59.39                 | 2003-11-21  |
| Central Bryson            | 237  | CDC 1038402                      | 31K07         | Anjou                | 59.38                 | 2003-11-21  |
| Central Bryson            | 238  | CDC 1038403                      | 31K07         | Anjou                | 59.38                 | 2003-11-21  |
| Central Bryson            | 239  | CDC 1038404                      | 31K07         | Anjou                | 59.38                 | 2003-11-21  |
| Central Bryson            | 240  | CDC 1038405                      | 31K07         | Anjou                | 59.38                 | 2003-11-21  |
| Central Bryson            | 241  | CDC 1038406                      | 31K07         | Anjou                | 59.38                 | 2003-11-21  |
| Central Bryson            | 242  | CDC 1038407                      | 31K07         | Anjou                | 59.38                 | 2003-11-21  |
| Central Bryson            | 243  | CDC 1038408                      | 31K07         | Anjou                | 59.38                 | 2003-11-21  |
| Central Bryson            | 244  | CDC 1038409                      | 31K07         | Anjou                | 59.38                 | 2003-11-21  |
| Central Bryson            | 245  | CDC 1038410                      | 31K07         | Anjou                | 59.37                 | 2003-11-21  |
| Central Bryson            | 246  | CDC 1038411                      | 31K07         | Anjou                | 59.37                 | 2003-11-21  |
| Central Bryson            | 247  | CDC 1038412                      | 31K07         | Anjou                | 59.37                 | 2003-11-21  |
| Central Bryson            | 248  | CDC 1038413                      | 31K07         | Anjou                | 59.37                 | 2003-11-21  |
| Central Bryson            | 249  | CDC 1038414                      | 31K07         | Anjou                | 59.37                 | 2003-11-21  |
| Central Bryson            | 250  | CDC 1038415                      | 31K07         | Anjou                | 59.37                 | 2003-11-21  |
| Central Bryson            | 251  | CDC 1038416                      | 31K07         | Anjou                | 59.37                 | 2003-11-21  |
| Central Bryson            | 252  | CDC 1038417                      | 31K07         | Anjou                | 59.37                 | 2003-11-21  |



03324-018

Claim Renewal lac Bryson Series 2 Claims

| Block Name     | Rank | Issued Québec<br>Claim<br>Number | NTS Map Sheet | Canton /<br>Township | Surface<br>(Hectares) | Expiry Date |
|----------------|------|----------------------------------|---------------|----------------------|-----------------------|-------------|
| Central Bryson | 253  | CDC 1038418                      | 31K07         | Anjou                | 59.37                 | 2003-11-21  |
| Central Bryson | 254  | CDC 1038419                      | 31K07         | Anjou                | 59.37                 | 2003-11-21  |



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- Use Annexe C to report the following : bulk sampling , surface sampling and sampling in short drill-holes (5 meters or less into bedrock).
- Channel sampling work must be reported in Annexe B.
- Prospecting of dimension stone and block sampling work to open a mine face must be reported in Annexe D.

### C.1 DATE OF WORK CARRYING OUT

### Start of work program

|      |        |     |
|------|--------|-----|
| 2001 | August | 1   |
| Year | Month  | Day |

### End of work program

|      |           |     |
|------|-----------|-----|
| 2003 | September | 15  |
| Year | Month     | Day |

## C.2 SAMPLED MATERIALS

| Type of materials | ✓                                   | Number of samples | Quantities |
|-------------------|-------------------------------------|-------------------|------------|
| Rock              | <input checked="" type="checkbox"/> | 13                |            |
| Soil              | <input type="checkbox"/>            |                   |            |
| Streams sediment  | <input checked="" type="checkbox"/> | 100 (stream)      |            |
| Heavy minerals    | <input checked="" type="checkbox"/> | 32 (GF)           |            |
| Other (specify)   | <input checked="" type="checkbox"/> | 21 (Till)         |            |

### C.3 SIGNIFICANT ANALYTICAL RESULTS

Results are pending from most of the new sampling. However, in previous sampling undertaken on the claim sites by the author between 1992 and 2001 G9, G10, Chrome Diopside, Ilmenite, Chromites and Olivine along with glass balls and magnetic balls were isolated and confirmed by independent laboratories. More significantly 19 minus 5mm diamond fragments were independently extracted and confirmed as diamonds. Dr. J.W. Harris (University of Glasgow) also examined the diamond fragments on behalf of DeBeers. Notwithstanding these previous results, sampling is now concentrating on pinpointing halos of diamond indicator minerals with the intent of isolating potential drill targets. See attached Independent Qualifying report prepared by Greg Mosher P. Geo (a qualified person as stipulated by mining regulations) Based upon the low numbers of indicator minerals and the apparent abundance of chromites, glass balls, and diamond fragments, along with the few pieces of lamproite float that have been recovered, that we are dealing with an off-craton lamproite source. Previous sample results obtained before August 2001, are listed in Mr. Mosher's Independent Qualifying report along with sample maps. These results are also available by viewing our web page [www.brysonburke.com](http://www.brysonburke.com) Since August 2001, Al Miller of Kishar Laboratory in Ottawa has also analysed several rock samples and prepared reports which are available on-line at [www.brysonburke.com](http://www.brysonburke.com) these samples are within the region but outside of the Claim boundaries contained within this report.

### C.5 DAILY WORK DETAIL

This section must be completed only if the work is submitted within the framework of Québec Mineral Exploration Assistance Program.

**Each day of field work must be indicated and initialed by each participating prospectors.**

[illegible]

#### C.4 DOCUMENTS TO ATTACH

- A map drawn at appropriate scale showing the location of the collected samples. The four corners should be identified, using geographic coordinates (latitude, longitude) or UTM coordinates (Universal Transverse of Mercator), as well as the selected mode (NAD27 or NAD83) in accordance with the National Topographic System of Canada (NTS).
- The analysis certificates listing the complete results obtained for each sample with sample numbers corresponding to the numbers indicated on the map. The analysis certificates must be dated and signed by the laboratory supervisor where the analyses have been performed.

When the work report is submitted in order to comply with the obligation to carry out mining work as stipulated in the Mining Act.

- A map of mining rights at a scale of 1 : 50 000 showing the mining property and the perimeter of the work program.

**Bryson Burke** *Diamond Corporation*

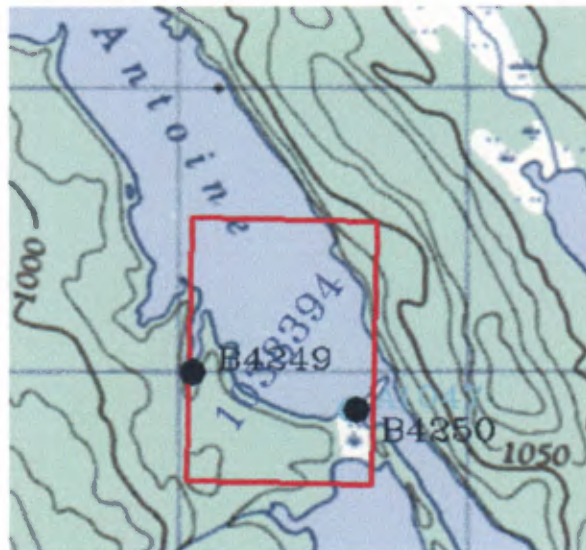
3929311 Canada Inc.

**lac Bryson Diamond Discovery**

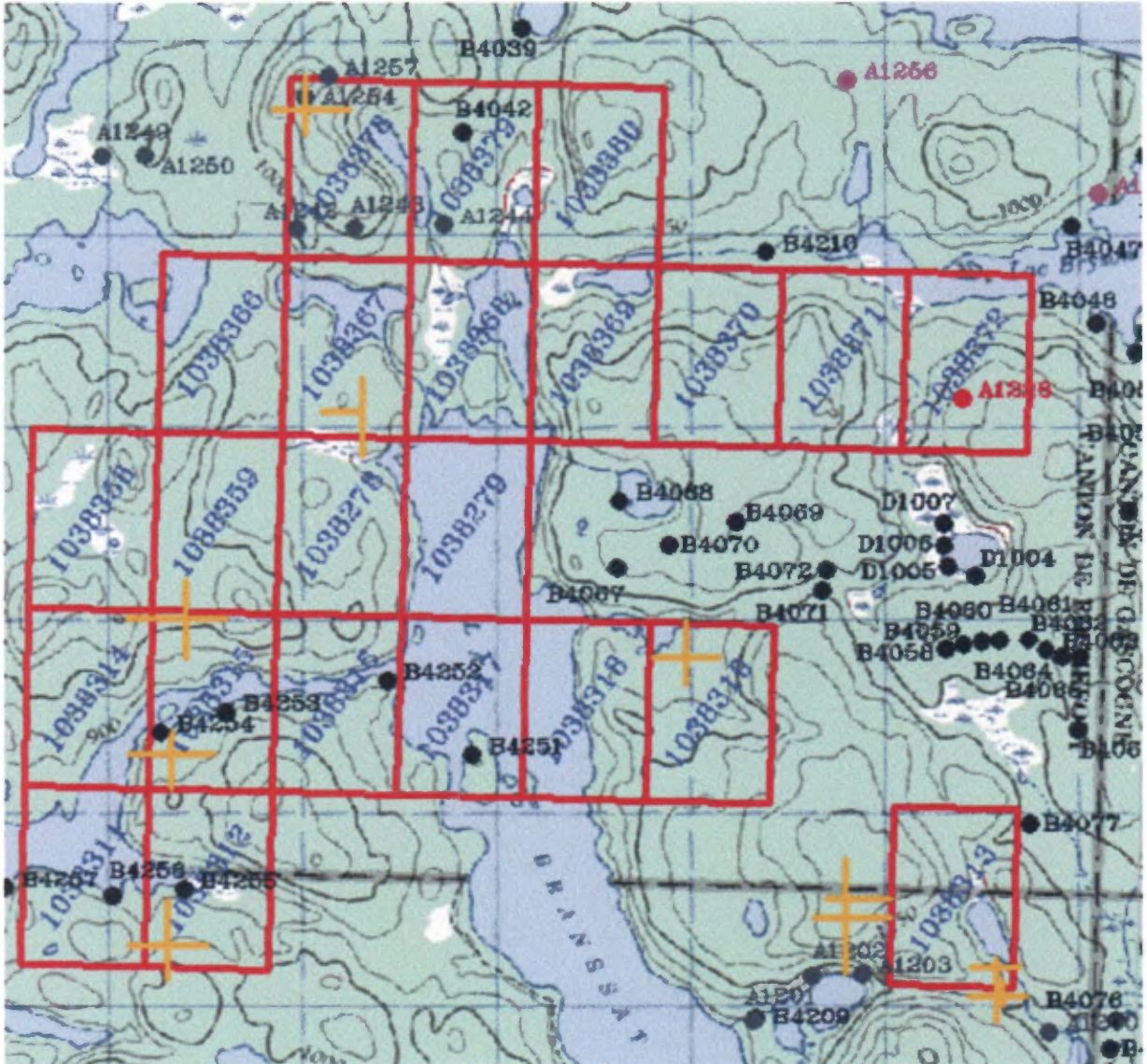
lac Antoine Target Claim Block

NTS 31K07 1:50,000 lac Duval

- |                |               |
|----------------|---------------|
| ● Sample Sites | — Mag Lines   |
| — Line cutting | ● Drill Holes |



03 3 24 - 0 13



**Bryson Burke** Diamond Corporation

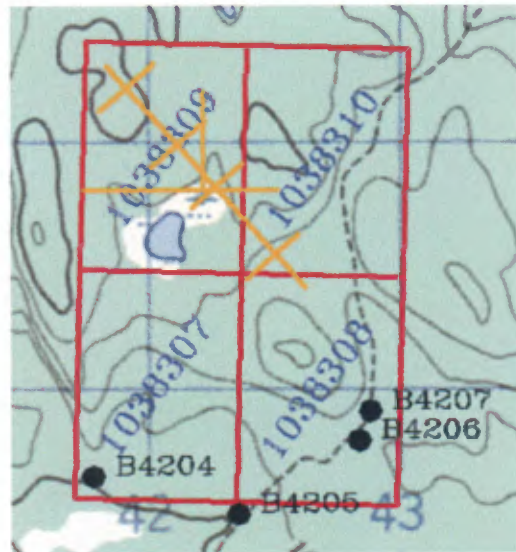
3929311 Canada Inc.

**lac Bryson Diamond Discovery**

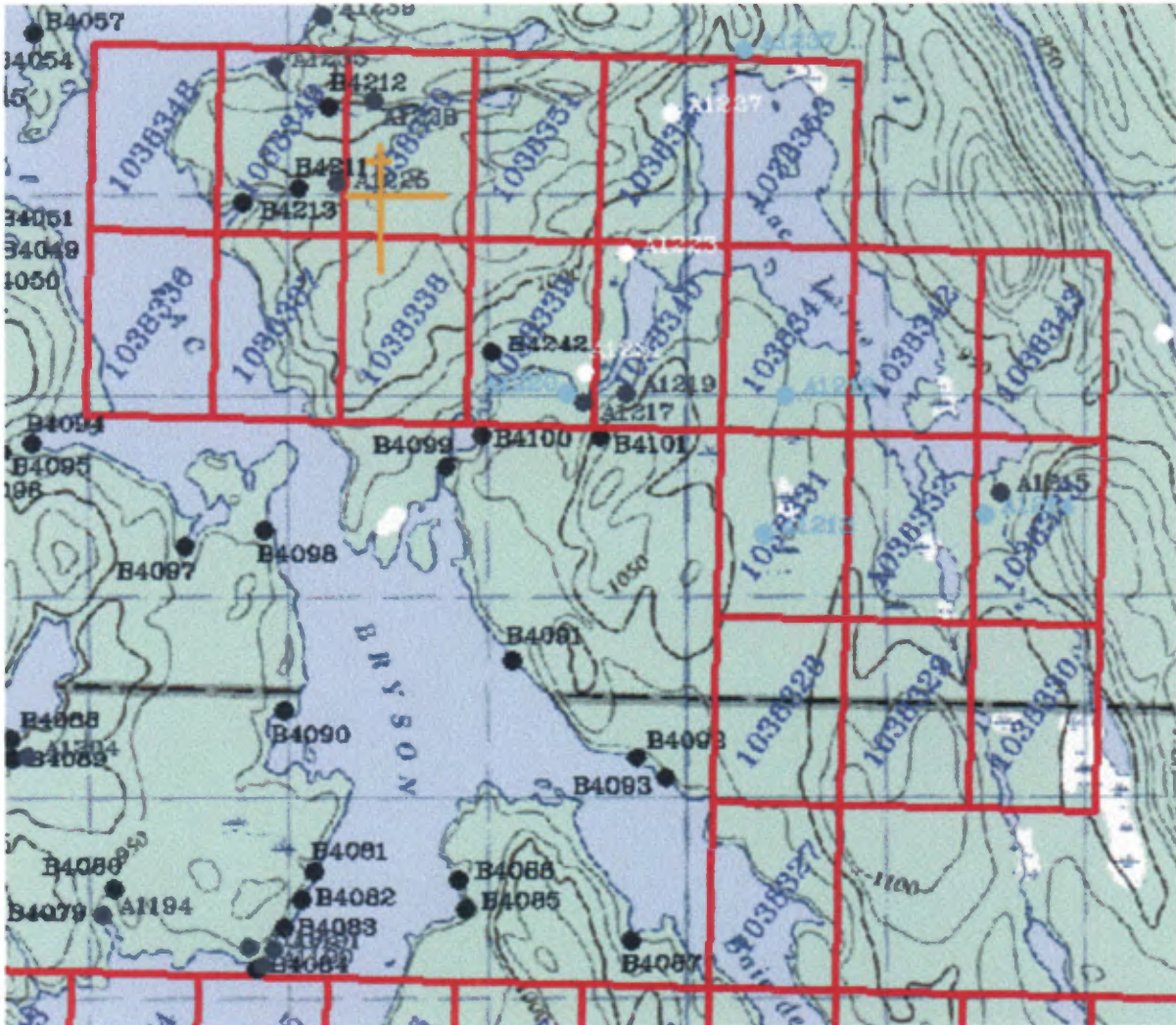
**lac Bryson Road Target Claim Block**

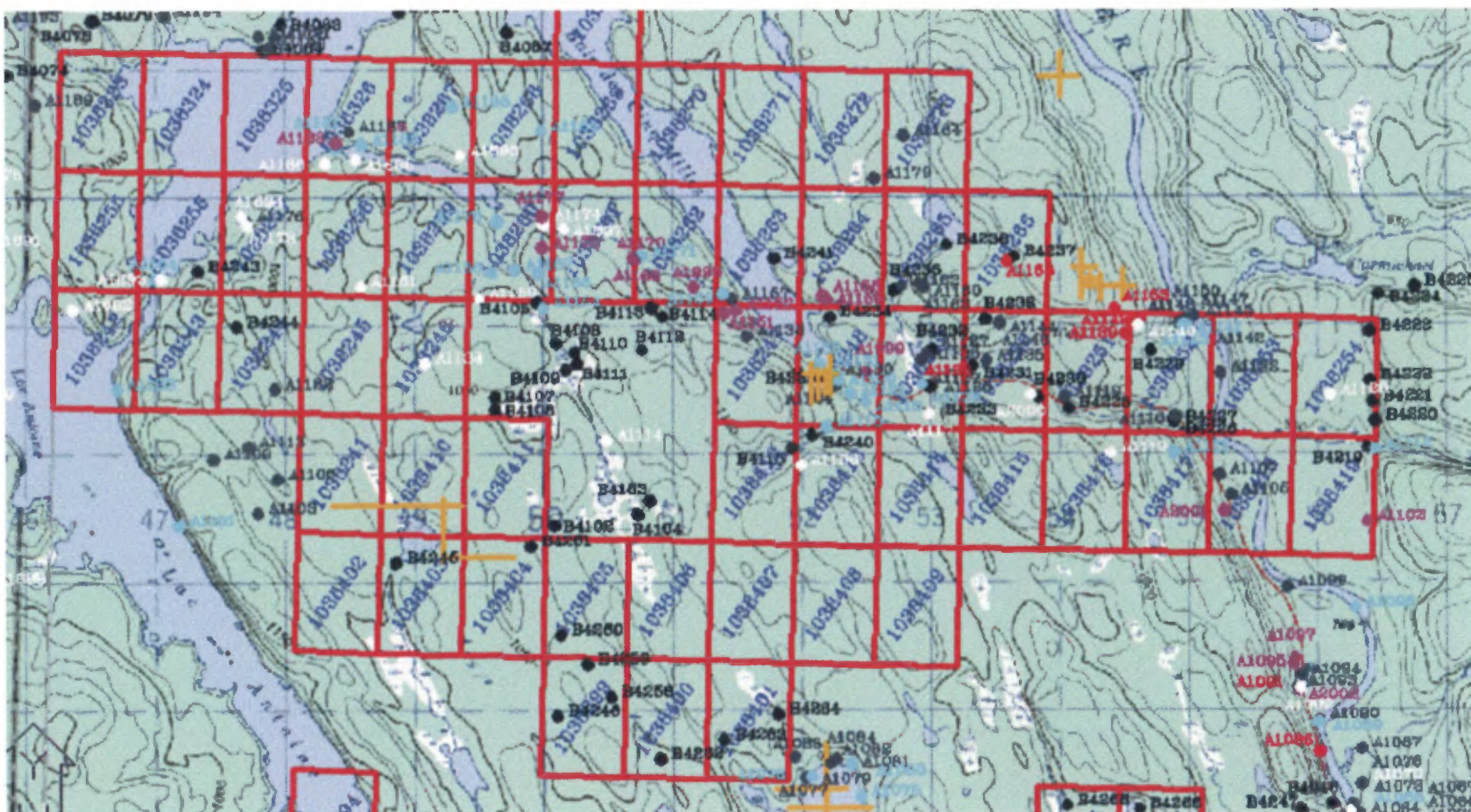
NTS 31K06 1:50,000

- |                |               |
|----------------|---------------|
| ● Sample Sites | — Mag Lines   |
| — Line cutting | ● Drill Holes |



- Drill Holes





**Bryson Burke** Diamond Corporation

**3929311 Canada Inc.**

## Iac Bryson Diamond Discovery

**Central lac Bryson Target Claim Block  
including East lac Duval**

NTS 31K07 1:50,000

- Sample Sites
- Line cutting
- Mag Lines
- Drill Holes

**Bryson Burke Diamond Corporation**

3929311 Canada Inc.

**lac Bryson Diamond Discovery**

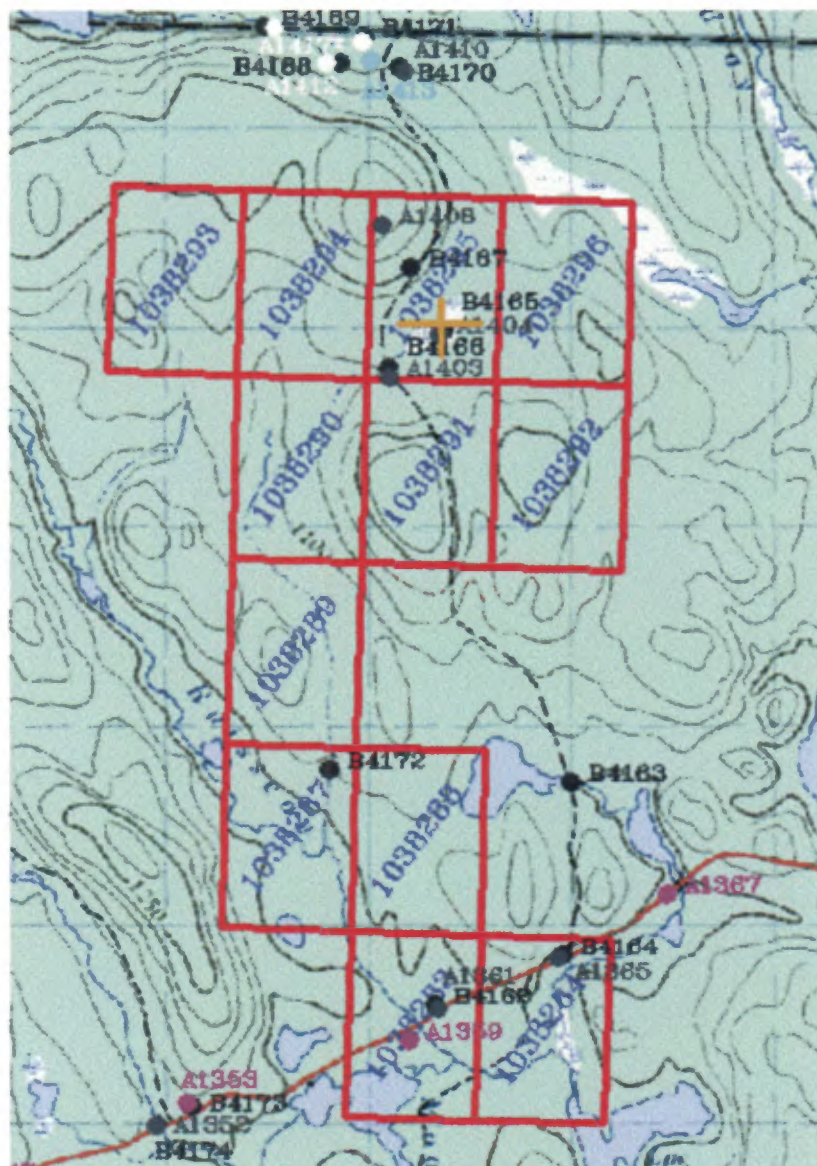
**East Pendergast Target Claim Block**

NTS 31K07 1:50,000

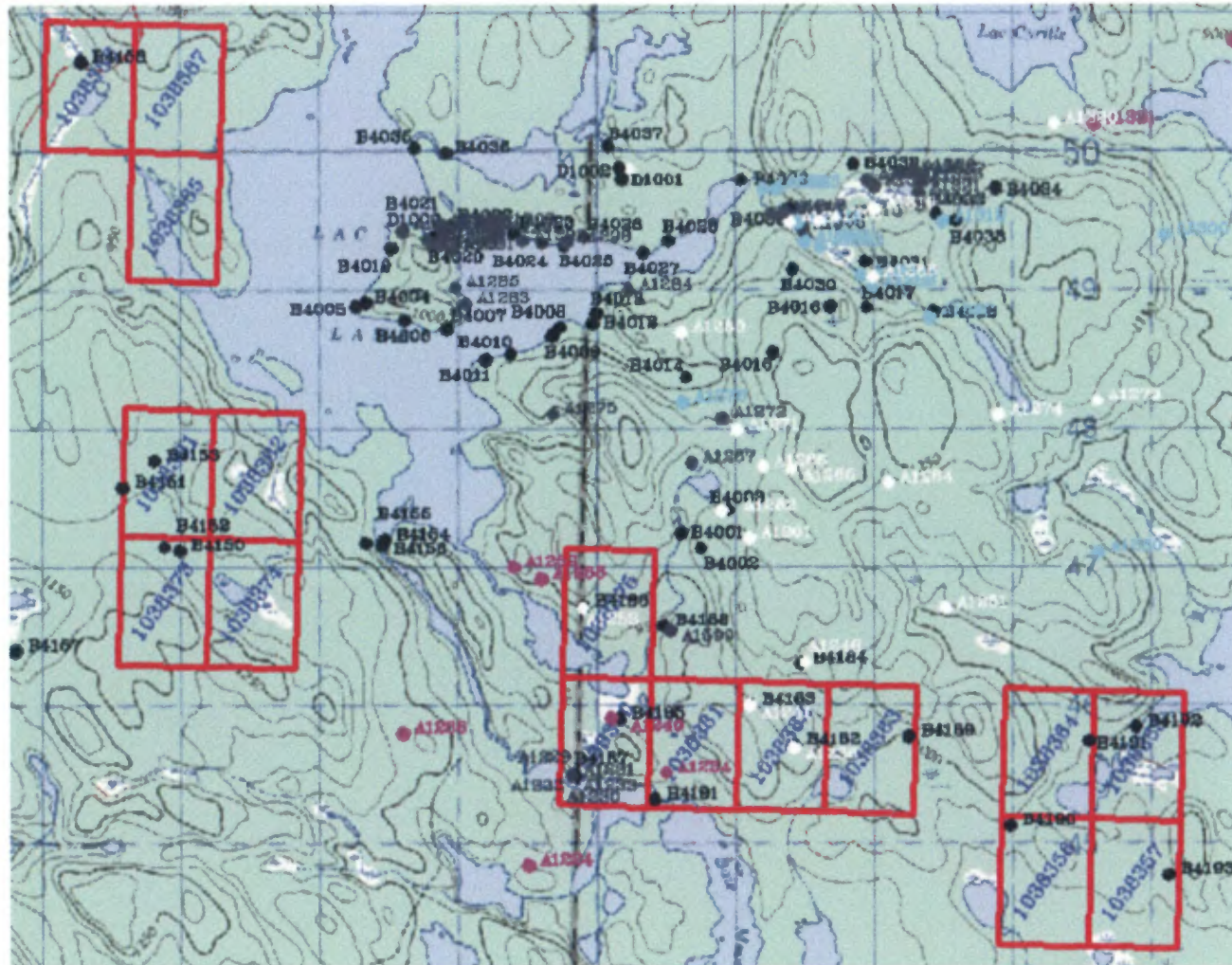
- |                |               |
|----------------|---------------|
| ● Sample Sites | — Mag Lines   |
| — Line cutting | ● Drill Holes |



- **Drill Holes**



NTS 31K6 1:50,000



**Bryson Burke Diamond Corporation**

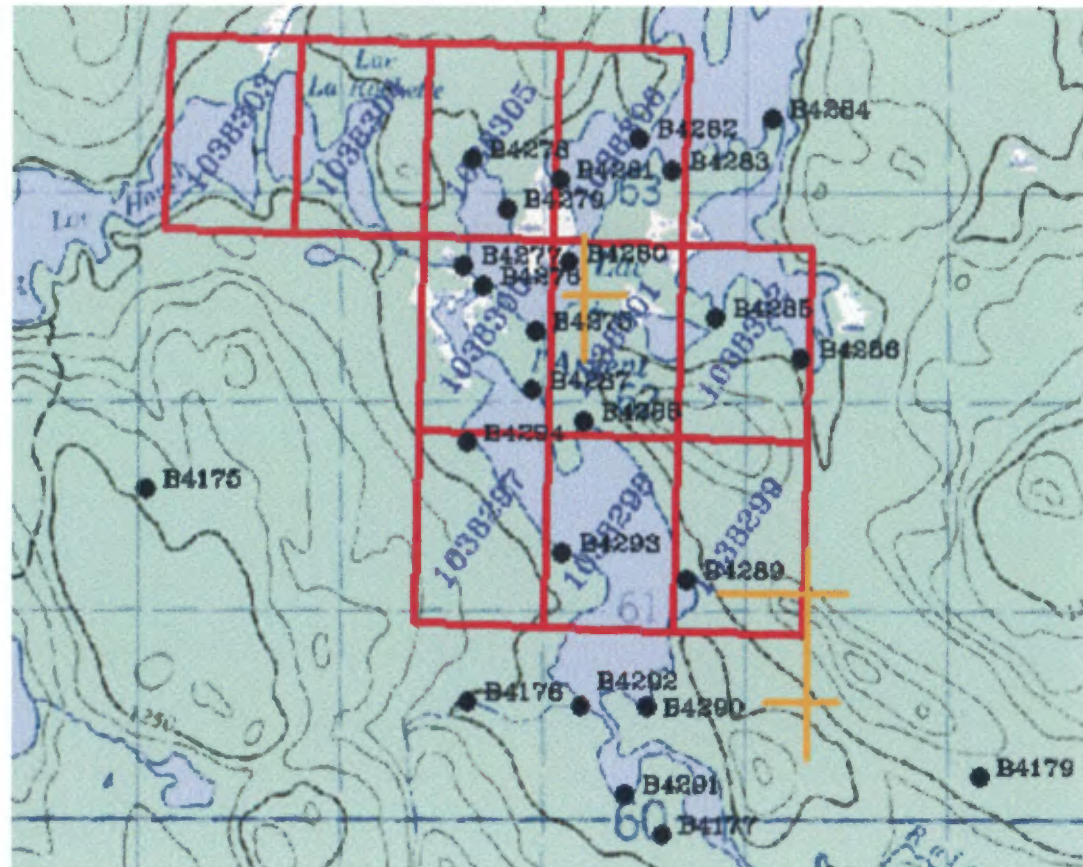
3929311 Canada Inc.

**lac Bryson Diamond Discovery**

**l'Argent Target Claim Block**

NTS 31K11 1:50,000

- Sample Sites
- Line cutting
- Mag Lines
- Drill Holes



# **Bryson Burke** Diamond Corporation

3929311 Canada Inc.

## **lac Bryson Diamond Discovery**

Otjick Target Claim Block

NTS 31K7 1:50,000

- |                |               |
|----------------|---------------|
| ● Sample Sites | — Mag Lines   |
| — Line cutting | ● Drill Holes |



**Bryson Burke Diamond Corporation**

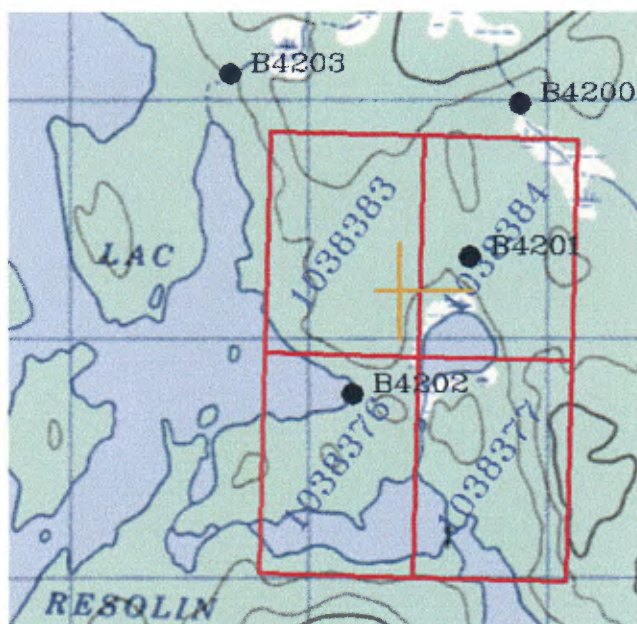
3929311 Canada Inc.

**lac Bryson Diamond Discovery**

**lac Resolin Target Claim Block**

NTS 31K6 1:50,000

- |                |               |
|----------------|---------------|
| ● Sample Sites | — Mag Lines   |
| — Line cutting | ● Drill Holes |



**Bryson Burke** Diamond Corporation

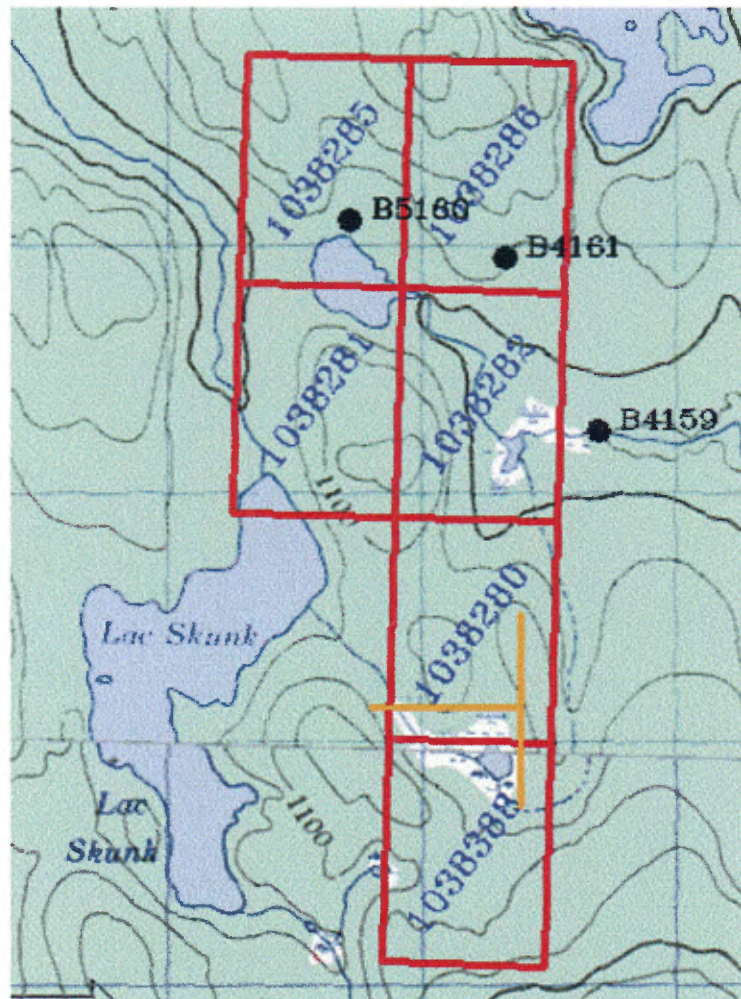
3929311 Canada Inc.

**lac Bryson Diamond Discovery**

Skunk lake Target Claim Block

NTS 31K6& 31K11 1:50,000

- |                |               |
|----------------|---------------|
| ● Sample Sites | — Mag Lines   |
| — Line cutting | ● Drill Holes |



**Bryson Burke** Diamond Corporation

3929311 Canada Inc.

**lac Bryson Diamond Discovery**

**lac Swartz Target Claim Block**

NTS 31K7 1:50,000

- |                |               |
|----------------|---------------|
| ● Sample Sites | — Mag Lines   |
| — Line cutting | ● Drill Holes |



**Bryson Burke Diamond Corporation**

3929311 Canada Inc.

**lac Bryson Diamond Discovery**

**Wright Lake Target Claim Block**

NTS 31K7 1:50,000

- |                |               |
|----------------|---------------|
| ● Sample Sites | — Mag Lines   |
| — Line cutting | ● Drill Holes |



A.1 DATE OF WORK CARRYING OUT

|                       |       |     |                     |       |     |
|-----------------------|-------|-----|---------------------|-------|-----|
| Start of work program |       |     | End of work program |       |     |
| 2001                  | Aug   | 1   | 2003                | Sep   | 15  |
| Year                  | Month | Day | Year                | Month | Day |

A.2 LAND PARCEL SUBJECT TO MINING WORK

Total distance covered in kilometers : 18.808      Total surface area covered in square kilometers: NA

A.3 2200 ROCK TYPE(S)

This report details geophysical ground MAG surveys conducted over Magnetic targets during summer of 2001 and followup geophysical work up to September 2003.

A.4 DESCRIPTION OF PRINCIPAL MINERALIZATIONS

The intent of the this survey was to delineate possible anomalous magnetic bodies that could indicate ultramafic diatremes. Then determine whether each target should be intensively subjected to a more detailed survey, and possibly a gravity survey before drilling.

A.5 GEOPHYSICAL EXPLORATORY SURVEY

| Technique | Instrument                       | Distance covered |
|-----------|----------------------------------|------------------|
| Beep mat  |                                  | Km               |
| VLF       |                                  | Km               |
| MAG Mag   | MM203 & MM60 Proton Base Station | 18808 metres     |

A.6 ANOMALIES AND CONDUCTORS

Write the results obtained from work performed

21 anomolous bodies were ground walked with North-South & West-East profile lines to determine whether additional geophysical work was necessary. Of the 21 bodies 8 anomalous bodies were identified and further geophysical work was scheduled on all 8. One target, the Bryson Road Target had two surveys conducted to double check the accuracy of the equipment.

A.7 ANALYTICAL RESULTS

If the analyses have been performed by a laboratory, write the significant results

NA

## A.8 DAILY WORK DETAIL

**This section should be completed only if the work is filed within the framework of Québec Mining Exploration Assistance Program**

**Each day of field work must be indicated and initialed by each participating prospector.**

[illegible]

**A.9 IDENTIFICATION OF QUALIFIED PROFESSIONAL WHO SUPERVISED THE WORK PROGRAM**

|                                            |  |         |             |                          |  |                            |  |
|--------------------------------------------|--|---------|-------------|--------------------------|--|----------------------------|--|
| Name                                       |  |         |             | First name               |  |                            |  |
| NA                                         |  |         |             |                          |  |                            |  |
| Address (number, street, R.R. or P.O. box) |  |         |             | App.                     |  | City, town or municipality |  |
|                                            |  |         |             |                          |  |                            |  |
| Province                                   |  | Country | Postal code | Area c. Telephone (home) |  | Area c. Telephone (office) |  |
|                                            |  |         | -           |                          |  |                            |  |
| Area c. Fax                                |  |         |             | E-mail address           |  |                            |  |
|                                            |  |         |             |                          |  |                            |  |

***I hereby declare that the work program consisting in the exploration and examination of rock outcrops and erratic boulders as reported in this form has been carried out under my supervision.***

DATE \_\_\_\_\_

X  
SIGNATURE OF QUALIFIED PROFESSIONAL

#### A.10 DOCUMENTS TO ATTACH

- **A map showing the location of rock outcrops, mineralizations, anomalies, conductors and, where applicable, analyzed samples. The four corners should be identified using geographic coordinates (latitude, longitude) or UTM coordinates (Universal Transverse Mercator), as well as the selected mode (NAD27 or NAD83) in accordance with the National Topographic System of Canada (NTS)**
- **The analyses certificates listing the complete results obtained for each sample with sample numbers corresponding to the numbers indicated on the map. The analyses certificates must be dated and signed by the laboratory supervisor where the analyses have been performed.**

**When the work report is submitted in order to comply with the obligation to carry out mining work as stipulated in the Mining Act**

- *A map of mining rights at a scale of 1 : 50 000 showing the mining property and the perimeter of the work program.*



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