



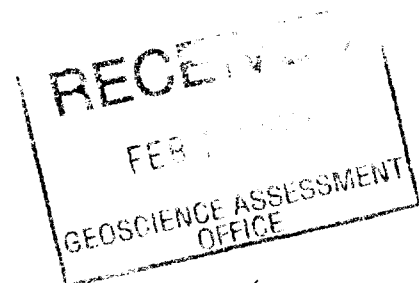
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**REPORT ON THE INVESTIGATION OF  
MINERALIZED SHOWINGS AND SEARCH FOR  
PARKIN OFFSET DYKE IN FRALECK TOWNSHIP,  
SUDBURY AREA, ONTARIO  
FOR  
CHAMPION BEAR RESOURCES LTD.**

prepared by

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January 19, 2004  
Toronto, Canada

Watts, Griffis and McOuat Limited  
Consulting Geologists and Engineers

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## 1. INTRODUCTION

The author was contracted by **Watts, Griffis and McOuat Limited** ("WGM") to carry out reconnaissance field investigation of **Champion Bear Resources Ltd.** ("Champion Bear") "North Extension" claim block located in Fraleck Township, Ontario.

According to **Ministry of Northern Development and Mines** ("MNDM") assessment data, the Parkin offset dyke, which had been traced by **Inco Limited** formerly Inco Gold ("Inco") for a distance of 4.3 km in Parkin Township, terminated at a fault in the northern part of the township.

Champion Bear extended the old Inco base line 8.5 km to the northeast. During July and August, a field visit was made to the following showings, and one day was spent searching for Parkin offset dyke rock along the northeast projection of the dyke into Fraleck Township, specifically claims 787646,647 and 3002859:

- The Inco Gold Showing;
- The Brady Copper Showing; and
- The Wanipitae River Copper Showing.

This report has been written to summarize the results of these field investigations.

## 2. CHAMPION BEAR RESOURCES LTD.

Champion Bear Resources Ltd. is a mineral exploration company focused exclusively on the historically prospective regions of Ontario. The company has assembled a large land position in the Dryden and Sudbury areas, totalling over 16,000 hectares (Figure 1). The Corporation's primary target is platinum group metals and to a lesser extent polymetallic base metal, pegmatite-hosted tantalum deposits and gold.

Exploration activities are currently being managed under the direction of WGM. Information regarding these activities' is available on the SEDAR website at [www.sedar.com](http://www.sedar.com).

## 3. PROPERTY DESCRIPTION AND LOCATION

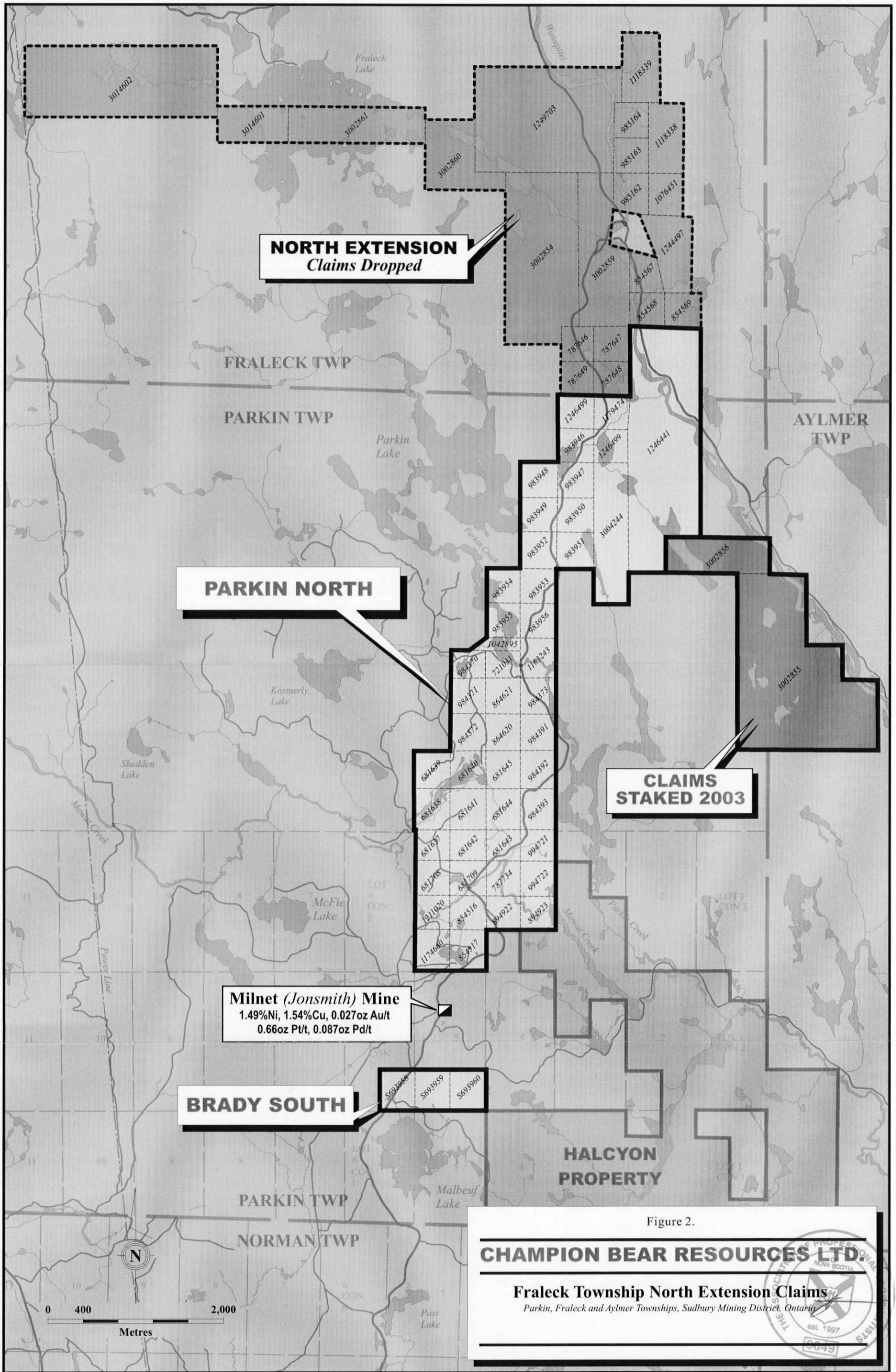
The mineralized showings visited are located within southeastern Fraleck Township, approximately 45 km northeast of Sudbury. This group consists of 21 contiguous unpatented mining claims that were originally acquired as a northern extension of the Corporations existing "Parkin North" claim group. See Figure 2 for the location of the



Figure 1.

**CHAMPION BEAR RESOURCES LTD.**

*Location of Properties  
Ontario*



**NORTH EXTENSION**  
Claims Dropped

**PARKIN NORTH**

**CLAIMS STAKED 2003**

**Milnet (Jonsmith) Mine**  
1.49%Ni, 1.54%Cu, 0.027oz Au/t  
0.66oz Pt/t, 0.087oz Pd/t

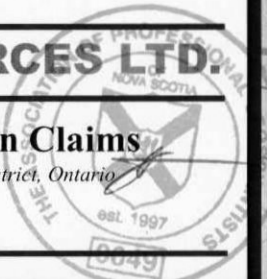
**BRADY SOUTH**

**HALCYON PROPERTY**

Figure 2.

**CHAMPION BEAR RESOURCES LTD.**

**Fraleck Township North Extension Claims**  
Parkin, Fraleck and Aylmer Townships, Sudbury Mining District, Ontario



Corporation's Fraleck Township claim holdings. (**Champion Bear has recently dropped all its Fraleck Township claims**).

The reader is referred to the sedar website ([www.sedar.com](http://www.sedar.com) ) and/or the corporations website ([www.championbear.com](http://www.championbear.com)) for details of option agreements connected with the claim holdings.

#### **4. ACCESSIBILITY**

Access to the Parkin North claim block is by Regional Road 80 for a distance of 18.3 km north from Sudbury to the Town of Val Therese. Then east for a distance of 6.7 km along Regional Road 80 to the junction with Regional Road 84. Then north along Regional Road 84 for a distance of about 7 km to the Town of Capreol. From Capreol northeasterly along an all weather gravel forest access road past Inco's Whistle Mine and Malbeuf Lake. A north-south logging road crosses the claim group north of Malbeuf Lake. This road is then followed northward to Parkin/Fraleck township boundary.

#### **5. PHYSIOGRAPHY AND CLIMATE**

The Sudbury area is located within the Canadian Shield. The topography is typical of this part of the Canadian Shield and is that of a dissected plateau sloping gently south toward Lake Huron and Georgian Bay. Total relief in the area is about 150 m, and local relief is limited to 30 to 60 m.

Rocky hills alternate with depressions filled with glacial deposits and swampy ground. In some areas, particularly in the western part of the area, rock exposure is poor because of an extensive cover of glacial till, sands, and gravel. During Pleistocene glacial erosion and deposition, the drainage pattern became disrupted resulting in numerous small lakes and ponds.

Very little of the land in the area is suitable for agriculture, except in the centre of the Sudbury basin. There is little marketable timber and most of the area is forested by mixed species, predominantly second growth.

Temperatures average 24.8°C in the summer and -8.4°C in the winter. Annual precipitation averages 62.2 cm of rain and 247.5 cm of snow.

#### **6. INFRASTRUCTURE AND LOCAL RESOURCES**

The city of Sudbury is a major centre with a population of about 90,000 (164,000 in the Regional Municipality of Sudbury). The area has a long mining history. As home to both

Inco and Falconbridge Limited, the Sudbury area is the western world's largest producer of nickel and the location of the largest fully integrated mining complex in the world.

Over 300 companies involved in mining related activities offer expertise covering all areas of underground hardrock mining and environmental rehabilitation. There is particular expertise in land reclamation and mine rehabilitation. The area is also home to the Centre in Mining and Mineral Exploration Research, the Laurentian University Mining Automation Laboratory, the Mineral Exploration Research Centre, the Geomechanics Research Centre, the Canadian Mineral Industry Research Organisation, Central Analytical Services, and the Mining Innovation Rehabilitation Applied Research Corporation.

Ontario's Ministry of Northern Development and Mines is based in Sudbury with its 236,000 square foot laboratories. CANMET maintains a laboratory specializing in mine backfill technology and the Industrial Research Assistance Program of the National Research Council is located at Laurentian University. The Northern Ontario Research Centre for Advanced Technology Inc. is based at Cambrian College.

## **7. REGIONAL GEOLOGY**

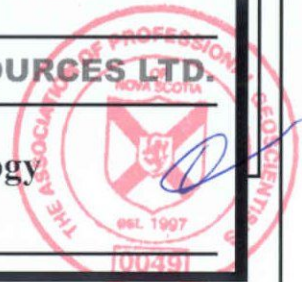
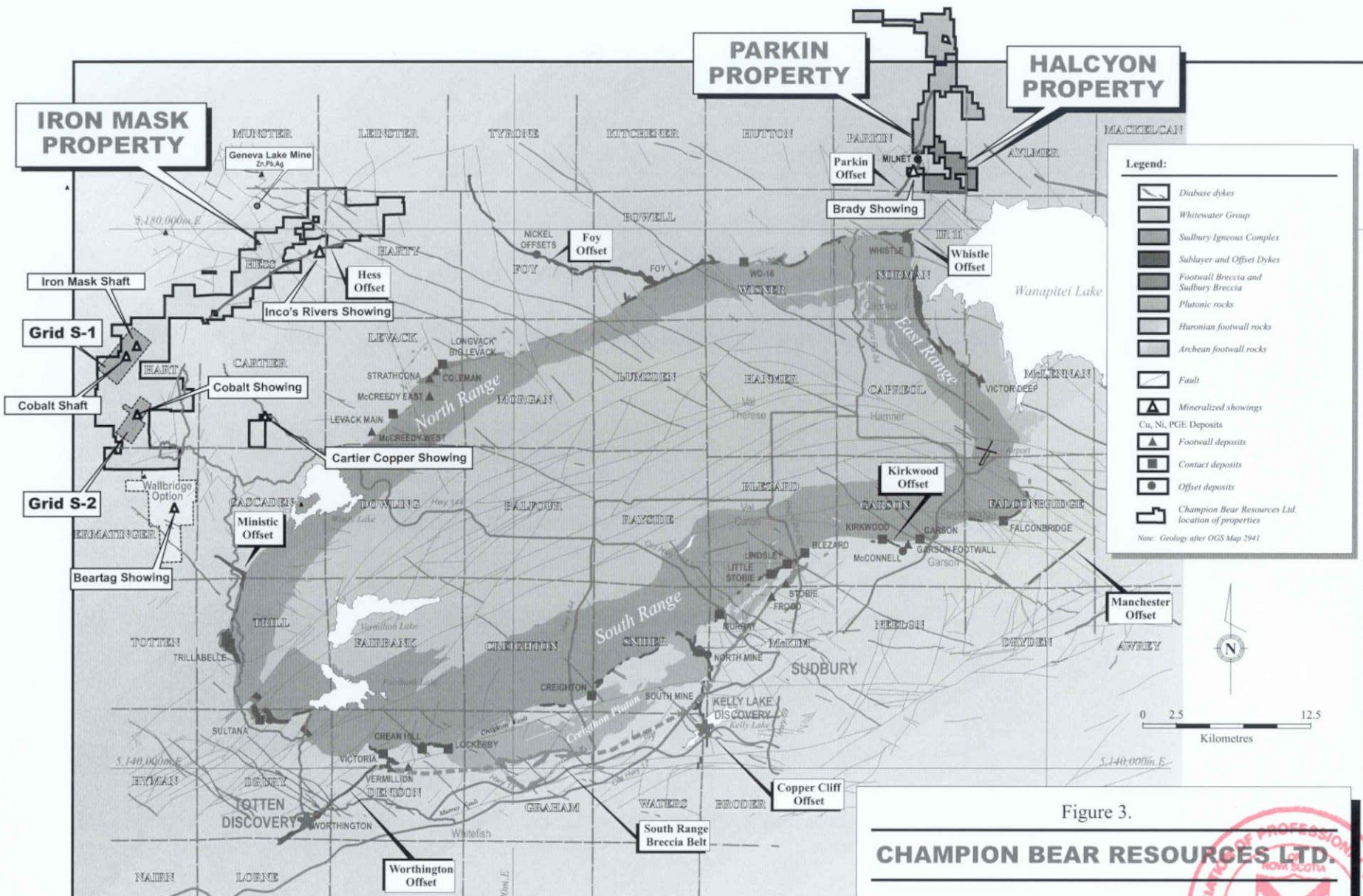
The geology of the Sudbury area has been studied extensively, as it hosts one of the largest nickel-copper deposits in the world, as well as being the site of a meteorite impact. There is still debate about many aspects of the geology. The following synthesis of the geology is derived from WGM's review of the available literature.

The Sudbury area is located in the southern Canadian Shield in the eastern part of the Southern geologic province. It is located at the contact between the Archean rocks of the Superior Province and the Early Proterozoic Huronian rocks of the Southern Province. The area lies about 10 km north of the Grenville Front, which marks the northern limit of the Grenville Province.

The geology of the area is dominated by the Sudbury Structure, which is now generally accepted to be a deformed crater structure resulting from a major meteorite impact about 1,850 million years ("Ma"), (Figure 3). The Sudbury Structure is a 60 by 27 km oval basin structure comprised of three components:

- An outer zone up to 80 km wide consisting of fractured and locally brecciated and partially melted Archean and Proterozoic rocks which have been affected by the Sudbury Impact and intruded by offset dikes related to the Sudbury Igneous Complex ("SIC");





- The SIC, an intrusion or melt sheet, which is now exposed in the form of an elliptical collar around the Sudbury Basin. The SIC is divided geographically into a North Range, South Range and East Range; and
- Whitewater Group sediments of the Onaping, Onwatin, and Chelmsford Formations which have been deposited within the basin.

The Sudbury impact structure is bounded to the north by Archean rocks. The Archean rocks are dominated by plutons and gneisses with lesser amounts of greenstone, which date at about 2,700 Ma. Late Archean tectonometamorphism (2,640 Ma) produced the Levack Gneiss Complex and the associated anatectic granitoid rocks. The area was then intruded by the northwest trending Matachewan dyke swarm about 2,450 Ma. Gabbroic intrusions southwest and west of the Sudbury Structure (the East Bull Lake and Shakespeare-Dunlop Intrusions) are believed to be cogenetic with the lowermost volcanics of the Huronian Supergroup and are dated at about 2,490 to 2,450 Ma.

Huronian sedimentation and volcanism continued to about 2,200 Ma, largely to the south of the Sudbury area. The sediments were derived from the Archean Superior Province to the north. All of the rocks were intruded by the extensive Nipissing Diabase sill-dyke system about 2,200 Ma.

The Sudbury Meteorite Impact event affected a large area both inside and outside the current limits of the Sudbury Basin. Estimates of the original diameter of the impact structure range up to 150 to 225 km. The impact resulted in the formation of a radial and concentric pattern of offset dykes and zones of pseudotachylyte within the surrounding Archean and Proterozoic rocks.

The Archean and Proterozoic rocks surrounding the SIC have also been intruded by what are called "quartz diorite" or "offset dykes". Two major varieties of these dykes have been recognized: radial and concentric. The radial dykes appear to stem from the norite and/or sublayer and extend into the footwall rocks in a radial pattern with respect to the SIC. The concentric dykes may be related to ring faults and may either be connected to the norite/sublayer or represent accumulations of melt rock formed associated with pseudotachylyte formation. For example, the Hess concentric offset in Foy Township stems from the radial Foy offset dyke. After its formation the Sudbury Structure and adjacent rocks were affected by the Penokean Orogeny, variously dated at between 1,700 to 1,900 Ma. Northwesterly directed thrusting during this orogenic event is believed to be responsible for northwest-southeast shortening of the SIC and Sudbury Basin contributing to its current elliptical shape.

## **8. PROPERTY GEOLOGY**

The property is located approximately three km north of the SIC within Precambrian rocks of the Superior Province.

The Parkin quartz diorite offset dyke, which is widely believed to represent the faulted extension of the Whistle offset dyke, trends across the center of the south claim block (see Figure 3). The dyke has a width of about 50 m.

A four and a half kilometre long section of the Parkin Offset dyke trends at about N15°E across the northern claim block. The offset dyke here is between 30 to 90 m wide and dips steeply east at 85°.

## **9. EXPLORATION TARGETS**

- (1) Ni-Cu-PGE mineralization associated with disseminated to massive sulphide zones within the "Parkin Offset Dyke" (fault displaced "Whistle Offset dyke"), a radial dyke originating from the norite and/or sublayer of the SIC.
- (2) Gold-bearing quartz veins with cross-cut offset dyke.
- (3) Gold in highly sheared and carbonatized shear zones in association with mafic intrusive rocks.
- (4) Gold in sulphide-bearing iron formations hosted within mafic volcanic rocks.

The Whistle Offset Dyke is considered a part of the intrusive sub-layer of the SIC and is comprised of quartz-diorite and quartz-diorite breccia. Nickel-copper and precious metal sulphide ores of the Sudbury Basin are associated with this rock type. Inco's Whistle Mine, located on the Whistle offset in Norman Township near the SIC contact, is estimated to contain 5 million tonnes of ore that is thought to grade about 1.30% Ni and 0.20% Cu (WGM report, 2000). This radial dyke is believed to originate from the norite and/or sublayer and extend northeast into the footwall rocks in a radial pattern, with respect to the SIC.

It has been suggested that the Whistle offset dyke may have been displaced along the Post Creek fault and that the "Parkin Offset Dyke" is its continuation. However, Peredery (2001) has suggested that field evidence does not support this contention and infers that the Whistle offset dyke may continue northeasterly to intersect Champion Bears Halcyon Property. However, to date, offset dyke has not been identified on the Halcyon property. It should be noted that offset dykes in this region are often narrow in width (less than 100 m) making it difficult to locate them in surface outcrop.

## 10. PREVIOUS WORK

An assessment file search of the MNDM records reviewing all previous work on the "North Extension" claim block was not conducted as part of this report.

## 11. GRAB SAMPLING

Seventeen (17) grab samples were collected from the property. Each sample location was recorded using a GPS instrument.

Representative grab samples were placed in plastic bags, an assay tag placed into the bag, the bag labelled and then sealed. All samples were then placed in a rice bag that was labelled and sealed. Samples were then dispatched by bus to Activation Laboratories in Ancaster, an ISO accredited laboratory, for multi-element analysis (see assay certificate sheet, Appendix 1). Actlabs Ultratrace 1 elemental analysis package included such elements as gold (ppb), copper (ppm), zinc (ppm), lead (ppm) and nickel (ppm).

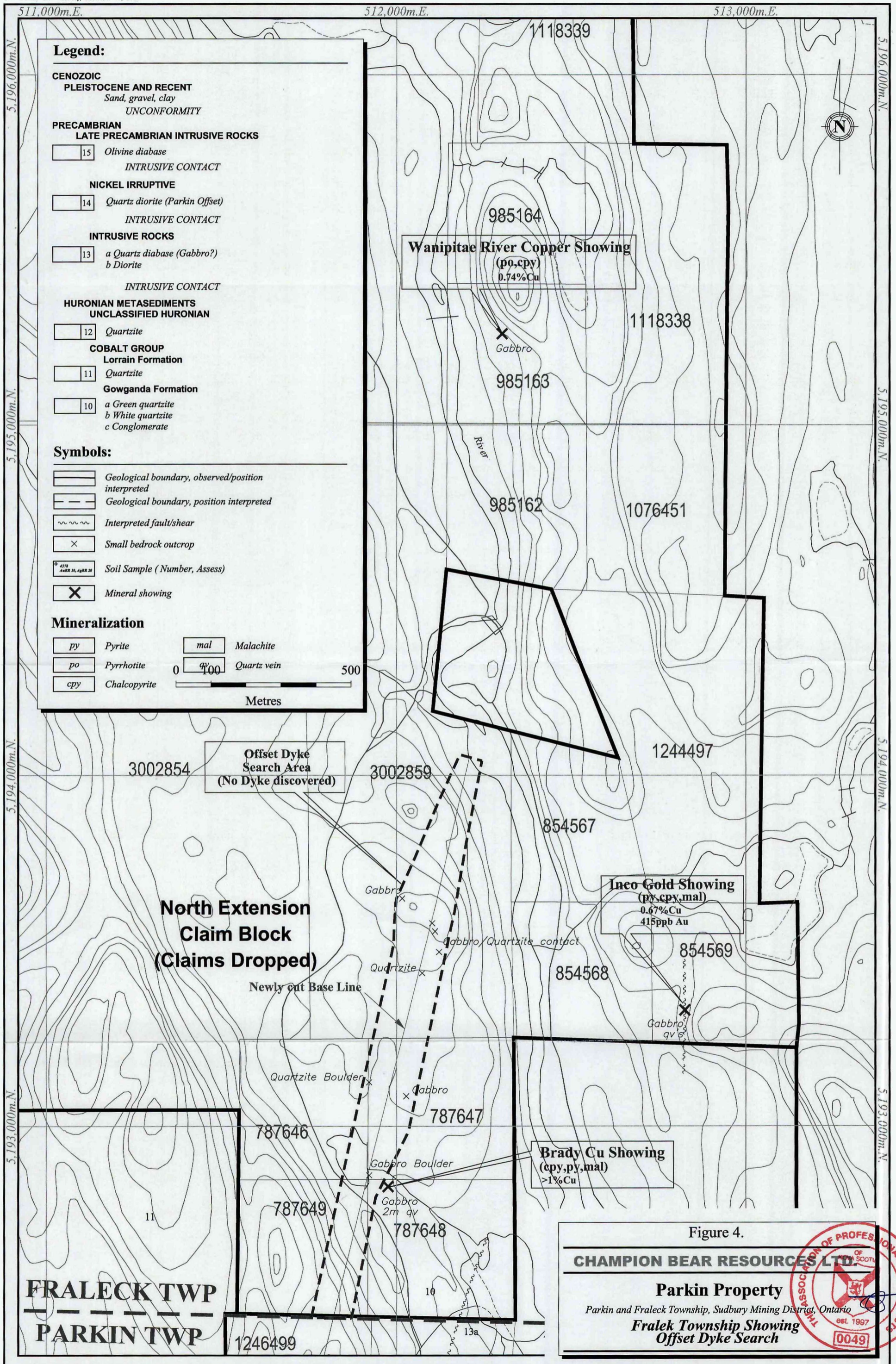
## 12. CURRENT EXPLORATION WORK

### 12.1 INCO GOLD SHOWING

On July 27, 2003, the author, accompanied by Mr. John Brady (prospector), visited the old "Inco Gold Showing" located Fraleck Township Township. Inco Gold reported a single grab assay of 8.87 g Au/t from this showing (Sample RX 134830). The showing is exposed in a trench located in the new Parkin north claim block in the Wanapitae River Area on claim 854569 (UTM 512832E, 5193436N, GPS datum NAD 83, Zone 17, Figure 4).

The old trench is approximately 100 m long and 3 m wide exposing mineralized outcrop of mafic intrusive rock at two distinct locations. The host rock is a medium to coarse grained, non-magnetic gabbro rock exposed on the side of a large hill. The gabbro sill appears to intrude meta-sedimentary host rocks parallel to stratigraphy. Sulphide and quartz veining is mostly restricted to two narrow zones of intense shearing and carbonatization (mostly calcite). These shear zones strike north-south and dip 50-54° east. The northern face of the trench was examined in detail.

Mineralization occurs within two separate shear systems that parallel one another in the heart of a large gabbro sill. The first shear zone (Shear Zone 1) is approximately 0.5 m wide and contains 15-20% quartz stringer veining and 5-7% pyrite, chalcopyrite and visible malachite (a Cu-bearing mineral) staining. Three grab samples (samples 22826-28) of sulphide and quartz veined rock from the shear were collected (Table 1). Samples returned copper values ranging from 0.18 to 0.67%. Sample 22826 was the only sample to return anomalous gold (173 ppb Au).



**TABLE 1**  
**INCO GOLD SHOWING SAMPLE DESCRIPTIONS/ASSAYS**

Sample	UTM Co-ordinates		Au (ppb)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Description
	Easting	Northing					
<b>Shear Zone 1</b>							
22826	512841	5193427	<b>173.0</b>	<b>4,780</b>	50.6	1.84	Composite sample, sheared gabbro with quartz stringer veins, 5-7% py and cpy
22827	512841	5193427	13.4	<b>1,750</b>	49.3	1.09	Composite sample, sheared gabbro with quartz stringer veins, 5-7% py and cpy
Duplicate			7.8	<b>1,810</b>	48.1	1.17	As Above
22828	512841	5193427	59.4	<b>6,720</b>	18.7	21.3	Composite sample, sheared gabbro with quartz bleb (0.2 x 0.25m), 5-7% py and cpy
<b>Shear Zone 2</b>							
22829	512832	5193436	3.7	228.0	18.3	3.2	0.15 m wide grey-blue quartz vein with sericite
Duplicate			2.2	224	17.0	3.0	As Above
22830	512832	5193436	<b>397.0</b>	<b>3,400</b>	78.8	85.3	0.3m oxidized quartz vein, abundant malachite, 1-2% py
22831	512832	5193436	<b>415.0</b>	<b>2,780</b>	31.3	21.6	0.3m oxidized quartz vein, abundant malachite, 1-2% py
22832	512832	5193436	18.2	<b>2,350</b>	<b>432.0</b>	<b>241.0</b>	4 cm wide quartz vein, 1-2% fine grained py (sheared)
22833	512832	5193436	<b>225.0</b>	<b>1,590</b>	<b>966.0</b>	<b>584.0</b>	Quartz vein with sericite and chlorite, 1-2% py, trace gn (?)

py = pyrite, cp y = chalcopyrite, gn = galena

The second mineralized shear zone (Shear Zone 2) is 1.7 m wide and consists of the following units from east to west:

- A 1.0 m wide shear containing heavily oxidized quartz veined (blebs) gabbro rock with 1-2% pyrite and trace galena (samples 22832, 22833);
- A 0.2 m wide chloritized shear zone (no visible sulphides);
- A 0.3 m wide zone of a brown oxidized quartz vein containing 1-2% pyrite and malachite (samples 22830, 22831); and
- A 0.15 m wide grey-blue (strained) quartz vein (sample 22829, no visible sulphides).

Five grab samples were collected from Shear Zone 2 (Table 1). Quartz veins within the shear returned anomalous gold values (best 415 ppb Au) in association with minor disseminated pyrite. Samples containing malachite returned only 0.16% to 0.34% copper. Elevated concentrations of lead (241-584 ppb Pb) confirmed the presence of trace amounts of galena within the shear zone. Two samples returned silver values of around 1 g Ag/t (samples 22832,33).

## 12.2 BRADY COPPER SHOWING

On July 27, 2003, Mr. Brady accompanied the author on a visit to a copper showing he had previously uncovered in Fraleck Township (UTM 511977E, 5192856N, see Figure 4). The showing is exposed within a 7 m long trench previously excavated by Mr. Brady in the 1990s and is located just south of the lease block on claim 787648.

The showing consists of a poorly exposed outcrop of gabbro that has been cross-cut by a 2 m wide white quartz vein containing limonite (weathered sulphide casts). Strike and dip measurements of the vein was indeterminable. Locally, sulphide concentrations within the quartz vein ranges from 3-5% chalcopyrite, malachite and trace pyrite. Magnetic pyrrhotite (3-7%) with minor pyrite was observed within the gabbro host rock, none of which contained copper mineralization. Five grab samples were taken for assay (Table 2). Two samples of quartz float from the outcrop returned high copper values, one sample assaying in excess of 1% copper confirming the presence copper mineralization in the quartz (samples 22834, 22835). None of the samples returned any significant gold values.

**TABLE 2**  
**BRADY COPPER SHOWING SAMPLE DESCRIPTIONS/ASSAYS**

Sample	UTM Co-ordinates		Au (ppb)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Description
	Easting	Northing					
22834	511977	5192856	38.6	>10,000	183.0	88.2	Float, large quartz vein, 3-5% cpy splashes, malachite, trace py
22835	511977	5192856	20.8	9,410	84.8	41.3	As above
22836	511977	5192856	5.2	146	72.4	2.8	Outcrop, gabbro, 3-5% disseminated po
22837	511977	5192856	11.9	484	79.8	3.3	Gabbro (med. Grained), 3-7% disseminated po, py, magnetic
22838	511977	5192856	0.4	120	20.0	2.7	White quartz vein, 1-2% splashes of cpy, oxidized sulphides (?)

py = pyrite, cpy = chalcopyrite, po = pyrrhotite

## 12.3 WANIPITAE RIVER COPPER SHOWING

Mr. Brady accompanied the author on August 6th to visit the Wanipitae River Copper showing located just east of the Wanipitae River, Fraleck Township (UTM 512301E, 5195266N). This showing is located on claim 985163 north of leased block S51471 (see Figure 4).

The showing consists of sulphide mineralized gabbro located on the side of a large hill. In the late 1990s, Mr. Brady and Harold Barry blasted a small pit into the mineralized zone. The gabbro does not appear to be sheared but is very hard (silicified). There is no evidence of quartz veining and jointing is common. Sulphide mineralization consists, locally, of 15-30% disseminated pyrrhotite with up to 5% chalcopyrite. Copper mineralization is difficult to find and involves breaking a lot of rock to locate significant splashes of chalcopyrite. Four grab samples of the best mineralized rock was collected for analysis.

Samples 22839 and 22840 were also assayed for platinum group elements (PGEs). All samples returned elevated copper values ranging from 0.18 to 0.74%. No significant gold or PGE values were returned.

**TABLE 3**  
**WANIPITAE RIVER COPPER SHOWING SAMPLE DESCRIPTIONS/ASSAYS**

Sample	UTM Co-ordinates		Au (ppb)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Description
	Easting	Northing					
22839	512301	5195266	29.7	3,330	54.6	8.5	Gabbro Float, 25-30% po, 1-2% disseminated cpy, silicified
22840	512301	5195266	23.0	1,750	33.7	8.3	Gabbro, 20-25% po, 1% disseminated cpy, silicified
22841	512301	5195266	59.1	2,510	58.6	9.9	Gabbro, 15-20% po, 3-5% cpy Locally silicified
22842	512301	5195266	40.1	7,360	91.0	8.8	Gabbro Float, 25-30% po, 3-5% cpy, locally silicified

cpy = chalcopyrite, po = pyrrhotite

#### **12.4 SEARCH FOR PARKIN OFFSET DYKE**

In early August, the old Parkin North baseline was recut and picketed every 25 m north at a bearing of 015° from claim 854517 to the Wanipitae River (claim 3002859) for a distance of 8.5 km. The base line was cut to follow the possible northward extension of the Parkin offset dyke from the last known surface outcrop to explore for new dyke occurrences and evaluate the PGM potential of the northern Parkin claim block. A search for offset dyke was conducted along and adjacent to the new baseline.

August 6<sup>th</sup> was spent in the field conducting a preliminary reconnaissance mapping program following the new base line in search of quartz diorite offset dyke. The author was assisted in the field by Mr. Eldon Phillips, a resident of the City of Sudbury and Mr. Frank Racicot (geologist) who helped with the mapping. The geology obtained during this exercise has been plotted on Figure 4.

This portion of the claim block was found to have relatively high relief with quartzite meta-sedimentary outcrop dominating the highland locations. Outcrops of medium to coarse grained gabbro rocks were found on claim 3002859 adjacent to the baseline. No offset dyke was located on surface. No visible mineralization was noted and, thus, no grab samples were taken.

### **13. DISCUSSION**

At the Inco Gold Showing, copper mineralization ( $\pm$ galena) appears to be restricted to the two shear zones and was introduced during the quartz veining and carbonatizing event which followed local shearing of the gabbro host rock. Only minor amounts of pyrite were introduced during quartz veining giving rise to only anomalous concentrations of gold. The author was unable to obtain any significant gold assay values from this showing to compare



with the gold high (8.87 g Au/t) originally obtained by Inco Gold (did not confirm their values).

Copper mineralization at the Brady Copper Showing is confined to the mineral phases chalcopyrite and malachite hosted only within the large 2-metre wide quartz vein. None of the gabbro host rock, although weakly sulphide mineralized, appears to contain any significant gold or copper/base metal mineralization.

Only weak copper mineralization was observed at the Wanipitae River Copper Showing. Sulphides mineralization (mostly pyrrhotite) is most likely of magmatic origin and is restricted to only a small outcrop area. Several grab samples of the best mineralization did not return any significant base or precious metal values.

No Parkin offset dyke was encountered during the reconnaissance mapping program. However, it is still conceivable that some of the lowland areas could possibly host offset dyke rock. Detailed mapping along cross-lines turned off the newly cut baseline would be required to accurately determine if additional dyke outcrops in the North Extension claim block.

#### **14. RECOMMENDATIONS**

The MNDM assessment files (Sudbury Office) should be reviewed to obtain information regarding mineralization at each of the three showings. However, due to the low copper values obtained through grab sampling and very small size of the showings, no further work is recommended at these locations at this time.

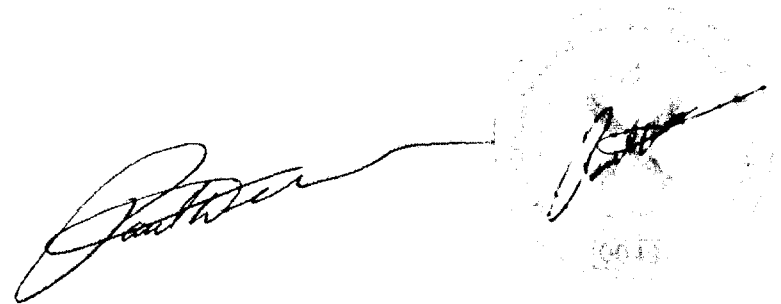
**CERTIFICATE**

**To Accompany the Report Entitled  
"Report on the Investigation of Mineralized Showings and Search for  
Parkin Offset Dyke in Fraleck Township, Sudbury Area, Ontario  
for Champion Bear Resources Ltd."  
dated January 19, 2004**

I, Paul A. Dunbar, do hereby certify that:

1. I reside at 64 Massey Drive, Charlottetown, Prince Edward Island, C1E 1X8.
2. I graduated from the University of Waterloo, Waterloo, Ontario in 1983 with a B.Sc. in Earth Sciences (Honours Applied Earth Sciences, Co-operative Program), and from Laurentian University of Sudbury, Ontario in 1989 with a M.Sc. in Geology and have been practicing my profession continuously since 1979.
3. I am a member in good standing with "The Association of Professional Geoscientists of Nova Scotia" since June, 2000.
4. I am a Senior Associate Geologist with Watts, Griffis and McOuat Limited, a firm of consulting engineers and geologists, which has been authorized to practice professional engineering by the Professional Engineers Ontario since 1969, and professional geoscience by the Association of Professional Geoscientists of Ontario.
5. I am a qualified person for the purpose of National Instrument 43-101.
6. I visited the three showings and conducted a search for offset dyke for 3 days on the property (July 27, August 5 and 6, 2003). Mr. Frank Racicot (Geologist, Sudbury) and John Brady (prospector, Sudbury) assisted the author in the search for offset dyke.
7. I have no personal knowledge as of the date of this certificate of any material fact or change which is not reflected in this report.
8. I have worked extensively in the Archean terrain of Eastern Canada and for companies as an exploration geologist in search of economic gold and base metals; including geological mapping of the Sudbury Basin. These companies include Noranda Exploration Company Limited, International Thunderwood Explorations Ltd., Aur Resources, Esso Minerals as well as the Ontario Geological Survey. I have also worked on contract to WGM on several of Champion Bear Resources Ltd properties in the Sudbury region over the last year and a half.

9. I have previously worked on Champion Bears Parkin Property to the south of the Fraleck Township claim block (2003-03) on a small diamond drilling program, conducted an assessment file search at the MNDM office (Sudbury) and compiled a compilation geology map of the Parkin Township property.
10. I have prepared and wrote this report.
11. I do not own, directly or indirectly, nor do I expect to receive, any interest in the properties or securities of Champion Bear Resources Ltd., or any associated or affiliated companies.
12. I have read the NI 43-101 and Form 43-101F1 and have prepared the technical report in compliance with the NI 43-101 and Form 43-101F1 and have prepared the report in conformity with generally accepted Canadian mining industry practice.

A handwritten signature in black ink, which appears to read "Paul A. Dunbar", is written over a circular professional seal. The seal is partially obscured by the signature but contains some illegible text and a central emblem.

Paul A. Dunbar, M.Sc., P.Geol.  
January 19, 2004

**REFERENCES**

Champion Bear Resources Ltd. website at [www.championbear.com](http://www.championbear.com)

Dressler, Burkhard O.

1982            Geology of the Wanapitei Lake Area, District of Sudbury: Ontario Geological Survey, Report 213, 131 p., accompanied by Maps 2450, 2451, scale 1:31,680 (1 inch to ½ mile).

Peredery, W.V.

2001            An Outline and Potential of Brady Properties in the Sudbury Area, Ontario, 14 p.

SEDAR website at [www.sedar.com](http://www.sedar.com) (Company: Champion Bear Resources Ltd.)

Watts, Griffis and McOuat Limited

2000            Report on the Eagle Rock and Separation Rapids Properties, Northwestern Ontario and The Parkin and Iron Mask Properties, Sudbury Area for Champion Bear Resources Ltd., 167 p.

**APPENDIX 1: ASSAY CERTIFICATES**



Invoice No.: A03-1130  
Work Order: A03-1130  
Invoice Date: 23-JUN-03  
Date Submitted: 13-JUN-03  
Your Reference: HELCYON PROJECT  
Account Number: 3590

WATTS GRIFFIS AND MCOUAT LTD  
SUITE 400, 8 KING STREET EAST  
TORONTO, ON  
M5C 1B5  
ATTN: JOE HINZER

CERTIFICATE OF ANALYSIS  
-----

50 ROCK(S) (PREP.REV5) were submitted for analysis.


The following analytical packages were requested. Please see our current fee schedule for elements and detection limits.

REPORT 031130 CODE 1A3 - Au-FIRE ASSAY GRAVIMETRIC  
REPORT 031130B CODE 1C-EXPL - FIRE ASSAY ICP-OES

REPORT 031130RPT.XLS ULTRATRACE1 - AQUA REGIA ICP/MS

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

CERTIFIED BY :

  
DR. E. HOFFMAN / GENERAL MANAGER

ACTIVATION LABORATORIES LTD.

31671RPT.XLS

Actlabs Ultratrace 1 Job #: A03-1671 Report#: A03-1671 Client: W.G.M. Contact: P. Dunbar  
 Trace Element Values Are in Parts Per Million unless otherwise indicated. Negative Values Equal Not Detected at That Lower Limit.  
 Values = 999999 are greater than working range of instrument.

Sample ID:	Li	Be	B	Na%	Mg%	Al%	K%	Ca%	V	Cr	Mn	Fe%	Co	Ni	Cu*	Zn	Ga	Ge	As	Se	Rb	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb
88861	5.7	-0.1	-1	0.083	0.81	1.32	0.09	0.26	38	19.6	475	10.9	95.0	24.7	93.6	41.1	4.32	0.2	50.1	5.0	2.4	9.1	3.6	12.7	0.9	1.56	0.12	-0.1	-0.02	0.52	0.97
88862	13.3	0.1	-1	0.009	1.69	2.05	0.07	0.10	38	23.9	509	24.2	261	189	614	76.0	7.90	0.5	290	19.3	2.9	1.3	2.9	11.4	0.5	1.87	1.30	-0.1	0.13	0.75	0.70
88863	2.6	0.4	-1	0.010	0.55	0.67	0.18	5.53	48	19.3	996	13.2	129	116	173	44.8	3.59	0.5	20.0	10.1	4.1	78.3	5.7	5.0	0.1	1.82	0.38	-0.1	0.14	0.54	0.73
88864	8.6	0.1	-1	0.014	1.00	1.17	0.05	6.80	15	8.9	1020	6.82	269	69.6	503	64.2	5.30	0.2	4.3	8.0	2.8	48.1	2.6	5.8	0.2	3.59	0.45	0.1	0.30	0.63	0.14
88865	10.7	0.1	-1	0.015	1.17	1.56	0.17	5.54	31	41.3	876	13.6	164	267	2190	116	6.75	0.4	-0.1	10.8	8.4	59.2	3.1	7.2	0.3	2.12	0.73	0.5	0.06	0.14	0.18
88865 rep	10.7	0.2	-1	0.014	1.25	1.64	0.18	5.74	34	45.2	882	13.7	163	266	2250	119	7.16	0.4	-0.1	11.1	8.9	67.8	3.6	7.4	0.4	2.16	0.82	0.5	0.06	0.13	0.20
88866	8.2	0.1	-1	0.021	1.04	1.14	0.04	3.14	21	10.2	769	11.1	148	209	1650	95.9	4.51	0.3	6.1	15.3	1.6	20.1	2.2	9.6	0.3	2.50	1.39	0.5	0.21	0.37	0.15
88867	18.4	0.2	-1	0.026	1.86	2.28	0.39	3.39	57	87.9	921	8.83	128	154	426	125	9.10	0.3	0.5	7.2	16.1	28.3	4.6	6.2	0.6	1.76	0.37	0.4	0.06	0.71	0.24
88868	6.5	0.1	-1	0.011	0.81	0.94	0.03	3.73	22	13.3	701	12.0	348	253	746	59.1	3.62	0.3	0.3	11.9	2.0	29.0	2.0	4.6	0.2	1.94	0.24	0.1	0.10	0.30	0.20
88869	11.1	0.1	-1	0.031	1.12	1.84	0.20	0.82	46	60.1	565	6.29	48.4	41.4	107	64.8	7.20	0.1	23.6	3.1	6.9	30.3	3.5	8.7	0.7	1.30	0.13	-0.1	0.04	0.57	0.45
88870	9.4	-0.1	-1	0.009	1.55	1.83	0.02	0.08	33	27.5	560	19.1	101	189	523	138	6.13	0.4	136	11.4	1.3	1.2	3.6	15.5	0.3	1.38	0.26	0.3	0.06	0.25	0.38
88871	3.1	0.1	-1	0.045	0.32	0.70	0.17	0.39	33	35.7	149	2.31	20.3	58.8	177	15.9	3.70	-0.1	3.1	2.3	4.0	6.6	5.6	8.7	0.9	1.23	0.15	-0.1	0.06	0.47	0.15
88872	-0.5	-0.1	-1	0.009	0.02	0.05	0.04	0.01	2	2.5	35	25.7	94.8	64.4	61.9	25.6	0.19	0.3	352	9.9	1.7	1.1	0.3	7.3	-0.1	1.69	3.69	0.1	0.02	-0.05	37.6
88873	10.0	0.2	-1	0.011	0.89	1.19	0.39	0.20	8	6.5	225	10.0	87.1	62.9	195	75.7	2.64	0.2	746	8.0	11.5	5.5	4.1	16.7	-0.1	1.01	0.59	0.3	0.03	0.07	1.65
88874	4.4	-0.1	-1	0.006	0.41	0.53	0.13	0.71	8	9.3	79	18.8	104	216	354	143	1.67	0.3	7.0	20.5	4.3	2.6	1.7	8.9	-0.1	1.61	3.78	0.4	-0.02	-0.05	6.01
88875	27.3	0.2	-1	0.028	3.28	3.06	0.02	0.64	109	466	870	6.20	15.4	183	40.3	111	9.90	0.2	2.7	0.5	0.6	6.0	3.5	5.6	-0.1	0.62	0.33	0.1	0.05	0.05	0.12
88876	16.0	0.2	-1	0.004	0.77	1.37	0.15	0.04	9	12.5	145	13.8	131	45.5	77.0	28.0	2.39	0.2	119	6.0	4.9	2.8	2.3	20.8	-0.1	2.73	1.27	-0.1	-0.02	-0.05	4.77
88877	8.5	-0.1	-1	0.004	0.95	0.97	0.03	0.02	19	20.7	241	13.0	58.3	90.6	125	48.8	4.95	0.2	40.0	9.4	1.2	1.1	1.8	10.8	-0.1	3.72	0.55	-0.1	0.02	-0.05	0.74
88878	1.3	-0.1	-1	0.013	0.09	0.15	-0.01	0.08	8	35.9	152	0.55	16.2	11.7	13.9	6.6	0.29	-0.1	27.6	0.2	0.2	3.2	0.3	0.8	-0.1	0.79	0.08	-0.1	-0.02	-0.05	0.15
88879	-0.5	1.5	-1	0.008	0.59	0.42	0.12	0.31	13	8.1	383	31.5	24.4	19.4	63.7	13.4	1.98	0.9	118	3.3	8.2	8.3	4.2	3.3	0.1	3.71	0.18	-0.1	0.11	0.00	2.65
88880	0.6	1.1	-1	0.037	0.56	0.37	0.13	0.22	8	7.5	307	24.5	37.2	31.1	131	16.7	1.48	0.8	179	5.2	9.1	5.5	3.0	3.5	0.1	2.14	0.32	-0.1	0.08	-0.05	3.48
88881	-0.5	0.7	-1	0.007	0.20	0.25	0.05	0.23	-1	8.6	161	8.71	2.5	3.7	135	8.0	1.44	0.5	17.7	1.1	6.1	5.2	4.3	1.2	0.1	0.45	0.12	-0.1	0.03	-0.05	0.65
88882	-0.5	1.6	-1	0.006	0.68	0.83	0.17	0.42	10	7.8	318	23.2	8.7	8.5	127	13.4	6.13	1.4	85.2	1.9	19.3	8.3	4.3	4.1	0.3	0.87	0.12	-0.1	0.09	-0.05	1.35
88883	-0.5	1.1	-1	0.008	0.12	0.07	0.02	0.07	-1	7.1	152	10.2	1.4	6.0	71.5	4.4	0.40	0.6	16.7	0.9	1.1	1.9	3.5	2.2	-0.1	0.47	0.06	-0.1	-0.02	-0.05	0.59
88884	3.4	0.5	-1	0.008	0.65	0.83	0.06	0.23	8	9.7	373	17.3	8.9	5.6	82.4	33.2	3.64	0.5	15.3	1.1	6.5	8.4	3.9	1.4	0.1	0.62	0.09	-0.1	0.05	-0.05	1.03
88885	-0.5	-0.1	3	0.014	0.03	0.07	-0.01	0.04	4	10.6	84	3.81	5.2	5.6	73.1	19.2	0.46	-0.1	248	1.8	0.5	7.5	0.2	1.5	-0.1	0.69	0.07	-0.1	0.04	-0.05	1.30
88886	12.5	0.3	-1	0.034	1.62	1.52	0.05	0.78	104	125	225	4.28	77.1	97.9	8.5	21.9	7.09	-0.1	28.0	0.9	2.1	34.6	1.4	6.7	-0.1	0.88	0.06	-0.1	0.03	-0.05	0.15
88887	16.9	0.7	-1	0.035	1.85	1.52	1.68	0.72	44	75.8	191	4.34	19.6	74.1	1.0	8.0	5.75	-0.1	1.2	0.2	86.3	8.0	6.1	27.8	-0.1	0.16	-0.05	-0.1	-0.02	0.09	0.23
88888	10.0	0.3	-1	0.084	1.15	2.00	0.11	2.37	90	18.2	1090	5.22	34.4	43.3	235	54.8	7.64	0.1	1.3	0.6	8.3	27.4	6.6	5.0	0.8	0.43	-0.05	-0.1	-0.02	0.12	0.17
22826	16.3	0.3	-1	0.029	3.14	3.74	0.08	0.29	125	54.5	383	6.23	16.2	57.2	4780	50.6	10.5	0.1	0.3	2.8	5.5	2.6	2.5	4.6	-0.1	0.60	0.60	-0.1	0.19	-0.05	0.24
22827	14.5	0.3	-1	0.035	2.80	3.39	0.06	0.43	113	40.0	395	5.38	13.2	54.2	1750	49.3	10.1	0.1	-0.1	1.0	4.4	2.7	1.8	4.3	-0.1	0.39	0.31	-0.1	0.07	-0.05	0.09
22827 pulp dup	14.1	0.3	-1	0.040	2.66	3.16	0.08	0.44	110	38.5	363	5.01	12.8	53.8	1810	48.1	9.55	0.2	-0.1	0.9	5.1	3.1	2.1	4.0	-0.1	0.40	0.26	-0.1	0.07	-0.05	0.07
22828	6.4	-0.1	-1	0.026	1.01	1.24	0.02	2.32	47	27.0	206	5.39	32.8	62.4	6720	18.7	3.69	0.2	14.6	10.6	1.1	6.7	3.2	4.2	0.1	0.49	0.85	-0.1	0.21	-0.05	2.26
22829	-0.5	-0.1	-1	0.017	0.04	0.08	0.03	1.20	-1	15.9	387	0.49	5.3	10.1	228	18.3	0.20	-0.1	0.3	0.2	1.2	7.2	3.5	0.8	-0.1	0.62	0.21	-0.1	-0.02	-0.05	0.27
22829 rep	-0.5	-0.1	-1	0.017	0.04	0.08	0.03	1.21	-1	13.7	389	0.50	5.3	9.6	224	17.0	0.11	-0.1	-0.1	0.2	1.2	6.7	3.4	0.7	-0.1	0.58	0.07	-0.1	-0.02	-0.05	0.24
22830	0.6	-0.1	-1	0.016	0.03	0.14	0.03	0.09	-1	12.0	353	4.60	62.3	102	3400	78.8	0.20	-0.1	4.1	1.9	0.9	2.5	3.6	0.8	-0.1	0.53	0.54	0.3	0.24	-0.05	5.01
22831	1.9	-0.1	-1	0.018	0.04	0.10	0.03	1.86	-1	12.0	398	1.62	26.1	47.3	2780	31.3	0.17	-0.1	1.1	1.3	0.8	12.0	4.2	0.8	-0.1	0.58	0.58	0.1	0.17	-0.05	1.43
22832	3.2	-0.1	-1	0.010	0.33	0.36	0.01	32.4	6	4.2	2380	2.01	31.6	35.2	2350	432	0.65	-0.1	5.1	2.1	0.6	180	22.2	1.0	-0.1	0.16	1.07	2.4	0.17	-0.05	0.28
22833	0.7	-0.1	-1	0.020	5.08	0.09	0.03	21.8	-1	1.4	4260	5.67	119	154	1590	966	0.15	0.1	4.9	5.3	1.2	62.7	51.1	1.3	-0.1	0.31	1.00	6.0	0.21	-0.05	5.59
22834	-0.5	-0.1	-1	0.017	0.22	0.06	0.02	0.57	2	7.9	246	3.89	34.9	75.0	>10000	183	0.06	-0.1	0.1	4.3	0.7	4.1	3.4	0.7	-0.1	0.54	2.97	1.2	1.71	0.19	0.32
22835	-0.5	-0.1	-1	0.018	0.20	0.02	-0.01	0.42	-1	14.5	133	1.68	16.7	29.5	9410	84.8	-0.02	-0.1	-0.1	2.5	0.1	4.5	1.4	0.6	-0.1	0.59	2.96	0.6	0.90	0.27	0.17
22836	13.0	0.1	-1	0.024	1.54	3.60	0.10	4.80	417	5.1	1170	9.46	48.4	20.3	146	72.4	16.9	0.3	0.2	0.6	5.1	88.7	5.5	14.1	0.2	0.70	0.30	-0.1	0.07	-0.05	0.08
22837	16.8	0.3	-1	0.032	1.89	3.39	0.85	3.76	534	2.9	1020	9.96	78.8	31.2	484	79.8	14.2	0.4	-0.1	2.4	44.3	71.2	5.7	14.2	0.2	0.60	0.21	0.1	0.07	0.42	0.08
22838																															

Actlabs Ultratrace 1 Job #: A03-1671

Report#: A03-1671

Client: W.G.M.

Contact: P. Dunbar

Trace Element Values Are in Parts Per Million unless otherwise indicated. Negative Values Equal Not Detected at That Lower Limit.

Values = 999999 are greater than working range of instrument.

Sample ID:	Li	Be	B	Na%	Mg%	Al%	K%	Ca%	V	Cr	Mn	Fe%	Co	Ni	Cu*	Zn	Ga	Ge	As	Se	Rb	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb
Control Material GXR-6	24.8	0.8	-1	0.062	0.36	7.23	1.56	0.13	157	75.5	1000	5.41	12.4	22.5	60.0	115	16.4	0.1	255	0.5	63.6	27.7	5.9	10.9	0.1	1.49	0.07	-0.1	0.06	0.34	1.37
Control Material GXR-2	41.0	0.9	-1	0.143	0.41	3.21	0.71	0.68	24	19.0	846	1.52	6.8	14.4	62.1	454	8.43	0.1	6.3	0.3	42.2	86.8	8.5	9.4	1.0	0.57	12.4	3.2	0.04	0.25	7.46
Control Material GXR-1	5.1	0.9	-1	0.040	0.14	0.39	0.04	0.78	72	7.1	869	24.1	7.3	39.4	1090	767	3.54	1.5	418	15.1	2.2	186	26.7	8.6	0.2	19.2	34.1	2.7	0.78	11.6	78.9
Control Material GXR-4	11.6	1.4	-1	0.122	1.58	3.01	2.32	0.81	77	56.0	128	3.07	13.8	40.3	6390	74.1	11.0	0.4	102	5.8	96.9	74.8	11.3	6.5	0.3	331	2.23	-0.1	0.21	2.62	1.83
<b>Cert Data GXR-6</b>	<b>32.0</b>	<b>1.4</b>	<b>10</b>	<b>0.104</b>	<b>0.609</b>	<b>17.7</b>	<b>1.87</b>	<b>0.18</b>	<b>186</b>	<b>96</b>	<b>1,007</b>	<b>5.58</b>	<b>13.8</b>	<b>27</b>	<b>66</b>	<b>118</b>	<b>35</b>	<b>-</b>	<b>330</b>	<b>0.94</b>	<b>90</b>	<b>35</b>	<b>14</b>	<b>110</b>	<b>7.5</b>	<b>2.4</b>	<b>1.3</b>	<b>1</b>	<b>0.26</b>	<b>1.7</b>	<b>3.6</b>
<b>Cert Data GXR-2</b>	<b>54.0</b>	<b>1.7</b>	<b>42</b>	<b>0.556</b>	<b>0.850</b>	<b>16.5</b>	<b>1.37</b>	<b>0.93</b>	<b>52</b>	<b>36</b>	<b>1,007</b>	<b>1.86</b>	<b>8.6</b>	<b>21</b>	<b>76</b>	<b>530</b>	<b>37</b>	<b>-</b>	<b>25</b>	<b>0.81</b>	<b>78</b>	<b>160</b>	<b>17</b>	<b>269</b>	<b>11</b>	<b>2.1</b>	<b>17</b>	<b>4.1</b>	<b>0.252</b>	<b>1.7</b>	<b>49</b>
<b>Cert Data GXR-1</b>	<b>8.2</b>	<b>1.22</b>	<b>15</b>	<b>0.052</b>	<b>0.217</b>	<b>3.15</b>	<b>0.05</b>	<b>0.96</b>	<b>80</b>	<b>12</b>	<b>852</b>	<b>23.6</b>	<b>8.2</b>	<b>41</b>	<b>1,110</b>	<b>760</b>	<b>13.8</b>	<b>-</b>	<b>427</b>	<b>16.6</b>	<b>14</b>	<b>275</b>	<b>32</b>	<b>38</b>	<b>0.8</b>	<b>18</b>	<b>31</b>	<b>3.3</b>	<b>0.77</b>	<b>54</b>	<b>122</b>
<b>Cert Data GXR-4</b>	<b>11.1</b>	<b>1.9</b>	<b>4.5</b>	<b>0.564</b>	<b>1.658</b>	<b>7.20</b>	<b>4.01</b>	<b>1.01</b>	<b>87</b>	<b>64</b>	<b>155</b>	<b>3.09</b>	<b>14.6</b>	<b>42</b>	<b>6,520</b>	<b>73</b>	<b>20</b>	<b>-</b>	<b>98</b>	<b>5.6</b>	<b>160</b>	<b>221</b>	<b>14</b>	<b>186</b>	<b>10</b>	<b>310</b>	<b>4</b>	<b>0.86</b>	<b>0.27</b>	<b>5.6</b>	<b>4.8</b>

\*NOTE: Assays are recommended for values &gt;10000 for Cu.

Certified By:



C. Douglas Read, BSc.  
Laboratory Manager, Activation Laboratories Ltd.

Date Received: 12-Aug-03

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Unless otherwise instructed, samples will be disposed of 90 days from the date of this report.

Date Reported: 25-Aug-03



## Actlabs Ultratrace 1 Job

Trace Element Values Are

Values = 999999 are great

Sample ID:

Sample ID:	Te	Cs	Ba	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au PPB	Tl	Pb	Bi	Th	U
68861	0.53	0.1	54.4	4.3	10.6	4.3	0.5	0.2	0.1	0.3	-0.1	0.3	-0.05	-0.2	0.002	20.1	0.08	31.5	0.81	1.4	0.2
68862	4.89	0.2	15.4	2.5	5.94	2.9	0.7	0.2	0.1	0.4	-0.1	0.2	-0.05	-0.2	0.008	65.0	0.06	12.9	2.84	0.6	0.2
68863	1.71	0.8	35.7	10.1	18.6	8.0	1.5	0.5	0.2	0.9	0.2	-0.1	-0.05	-0.2	0.004	3.3	0.18	10.8	1.39	0.4	0.1
68864	2.92	-0.1	12.2	5.1	10.7	4.5	0.9	0.3	-0.1	0.3	-0.1	0.1	-0.05	-0.2	0.009	16.7	0.04	3.63	1.24	1.0	0.1
68865	1.83	0.2	22.4	7.9	17.5	8.6	1.6	0.4	0.2	0.3	-0.1	0.1	-0.05	-0.2	0.003	-0.2	0.08	3.42	0.44	0.7	-0.1
68865 rep	1.94	0.2	23.2	8.4	18.3	9.1	1.7	0.4	0.2	0.3	-0.1	0.2	-0.05	-0.2	0.003	1.1	0.09	3.58	0.44	0.7	0.1
68866	3.09	-0.1	11.4	4.9	10.3	4.2	0.8	0.2	-0.1	0.3	-0.1	0.2	-0.05	-0.2	0.006	44.2	0.04	4.20	1.19	0.8	-0.1
68867	1.23	0.3	47.9	10.6	23.5	11.2	2.0	0.5	0.2	0.4	-0.1	0.1	-0.05	-0.2	0.005	1.1	0.13	2.45	0.37	0.8	0.1
68868	5.86	-0.1	7.6	3.9	8.14	3.5	0.7	0.1	-0.1	0.2	-0.1	0.1	-0.05	-0.2	0.007	27.1	0.03	5.69	2.96	0.5	-0.1
68869	1.44	0.2	50.1	8.5	19.1	8.4	1.5	0.4	0.2	0.3	-0.1	0.2	-0.05	-0.2	0.002	20.8	0.05	3.87	0.74	1.1	0.1
68870	4.14	-0.1	10.8	3.9	9.45	4.4	1.0	0.3	0.1	0.3	-0.1	0.2	-0.05	-0.2	0.003	14.9	0.76	11.3	2.78	0.6	0.3
68871	0.83	-0.1	49.1	7.6	18.7	8.5	1.8	0.5	0.2	0.4	-0.1	0.2	-0.05	0.2	0.002	-0.2	0.03	2.86	0.44	1.2	0.4
68872	3.85	0.3	13.5	-0.5	1.30	0.3	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.05	-0.2	0.004	67.6	0.26	174	2.08	-0.1	-0.1
68873	3.14	0.2	53.3	16.3	37.1	16.6	2.6	0.5	0.2	0.3	-0.1	0.4	-0.05	-0.2	0.002	7.8	0.15	28.5	0.60	1.9	0.6
68874	21.2	-0.1	24.7	2.7	6.86	3.1	0.7	0.2	-0.1	0.1	-0.1	0.2	-0.05	-0.2	0.003	39.4	0.25	103	4.15	0.3	0.1
68875	0.22	-0.1	9.9	14.9	27.3	13.5	2.2	0.5	0.2	0.3	-0.1	0.1	-0.05	-0.2	-0.001	-0.2	0.04	3.30	0.04	1.1	0.2
68876	5.43	0.1	21.8	1.5	3.95	1.8	0.4	0.2	-0.1	0.2	-0.1	0.5	-0.05	-0.2	0.009	63.5	0.12	39.2	2.52	0.7	2.5
68877	0.67	-0.1	12.7	1.7	3.50	2.0	0.5	0.2	-0.1	0.2	-0.1	0.2	-0.05	-0.2	0.002	6.7	0.20	21.4	0.21	0.4	2.6
68878	0.04	-0.1	7.2	-0.5	3.00	0.4	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.05	-0.2	-0.001	14.5	-0.02	2.80	0.05	0.1	-0.1
68879	2.83	1.9	57.4	4.8	7.17	3.3	0.7	0.4	0.1	0.4	-0.1	-0.1	-0.05	-0.2	0.006	348	0.20	10.6	1.76	0.2	-0.1
68880	3.54	2.1	44.3	4.5	8.26	2.8	0.5	0.3	-0.1	0.3	-0.1	-0.1	-0.05	-0.2	0.003	583	0.23	12.6	2.32	0.3	0.1
68881	0.17	1.2	11.9	3.3	7.71	3.4	0.7	0.5	0.1	0.4	-0.1	-0.1	-0.05	-0.2	-0.001	69.5	0.06	4.43	0.11	0.1	-0.1
68882	0.49	3.9	21.0	5.7	12.2	5.9	1.1	0.8	0.2	0.7	0.1	-0.1	-0.05	-0.2	0.001	374	0.16	6.82	0.34	0.5	-0.1
68883	0.18	0.2	14.2	0.5	2.18	1.5	0.5	0.5	-0.1	0.4	-0.1	-0.1	-0.05	-0.2	-0.001	-0.2	-0.02	2.54	0.13	-0.1	-0.1
68884	0.34	0.7	34.3	5.4	10.3	4.2	0.7	0.2	-0.1	0.3	-0.1	-0.1	-0.05	-0.2	0.001	18.2	0.05	2.47	0.34	-0.1	0.4
68885	0.77	-0.1	9.3	-0.5	1.58	0.5	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.05	-0.2	-0.001	117	-0.02	14.0	0.80	-0.1	-0.1
68886	0.16	0.2	13.1	5.5	12.2	5.7	1.1	0.3	-0.1	0.2	-0.1	0.2	-0.05	-0.2	0.001	5.6	-0.02	2.39	0.66	0.7	0.2
68887	0.03	6.8	85.8	5.8	13.1	5.9	1.3	0.3	0.2	0.8	0.1	0.7	-0.05	-0.2	-0.001	-0.2	0.46	0.44	0.03	6.8	1.7
68888	0.04	0.7	36.5	9.0	21.0	10.9	2.2	0.6	0.3	0.8	-0.1	0.1	-0.05	-0.2	-0.001	2.2	0.06	3.53	0.09	0.8	-0.1
22826	0.07	0.4	16.0	19.2	39.9	14.5	1.9	0.6	0.1	0.3	-0.1	0.1	-0.05	-0.2	-0.001	173	0.03	1.84	0.11	1.3	0.5
22827	0.05	0.3	14.4	10.7	22.2	8.0	1.1	0.4	-0.1	0.2	-0.1	0.1	-0.05	-0.2	-0.001	13.4	-0.02	1.09	0.05	0.8	0.4
22827 pulp dup	0.04	0.3	16.3	12.5	25.6	9.2	1.4	0.4	0.1	0.2	-0.1	-0.1	-0.05	-0.2	-0.001	7.8	0.03	1.17	0.05	0.9	0.4
22828	0.18	-0.1	9.5	8.2	17.9	6.7	1.1	0.3	0.1	0.4	-0.1	-0.1	-0.05	-0.2	-0.001	59.4	0.07	21.3	0.25	0.5	0.2
22829	0.04	-0.1	14.2	2.0	5.18	2.6	0.8	0.3	0.1	0.3	-0.1	-0.1	-0.05	-0.2	0.001	3.7	-0.02	3.15	0.07	-0.1	-0.1
22829 rep	0.05	-0.1	14.1	2.0	4.86	2.7	0.8	0.3	0.1	0.3	-0.1	-0.1	-0.05	-0.2	0.001	2.2	-0.02	3.03	0.07	-0.1	-0.1
22830	0.64	-0.1	13.5	1.3	3.44	1.5	0.4	0.2	-0.1	0.5	-0.1	-0.1	-0.05	-0.2	-0.001	397	0.06	85.3	1.12	-0.1	-0.1
22831	0.38	-0.1	12.7	1.5	3.09	1.3	0.4	0.2	-0.1	0.5	-0.1	-0.1	-0.05	-0.2	-0.001	415	0.03	21.6	0.63	-0.1	-0.1
22832	2.48	-0.1	13.9	7.9	19.4	15.1	5.4	1.3	0.8	2.8	0.4	-0.1	-0.05	-0.2	-0.001	18.2	0.03	241	4.18	0.1	-0.1
22833	0.94	-0.1	10.7	25.9	42.3	26.5	8.7	2.5	1.7	5.7	0.9	-0.1	-0.05	-0.2	0.001	225	2.05	584	1.87	0.1	-0.1
22834	32.8	-0.1	13.7	1.0	2.35	1.2	0.3	0.2	-0.1	0.8	0.1	-0.1	-0.05	-0.2	-0.001	38.6	0.07	88.2	57.9	-0.1	0.3
22835	14.8	-0.1	10.7	-0.5	1.30	0.5	0.2	-0.1	-0.1	0.3	-0.1	-0.1	-0.05	-0.2	-0.001	20.8	0.04	41.3	26.0	-0.1	-0.1
22836	0.15	0.6	23.6	12.8	27.8	15.1	3.6	0.9	0.3	0.7	0.1	0.4	-0.05	-0.2	0.001	5.2	0.04	2.75	0.20	2.7	0.5
22837	0.11	3.4	160	12.3	27.2	14.5	3.6	1.0	0.4	0.6	0.1	0.4	-0.05	-0.2	0.001	11.9	0.33	3.25	0.37	2.7	0.7
22838	0.08	-0.1	17.8	1.3	3.74	1.4	0.3	-0.1	-0.1	0.1	-0.1	-0.1	-0.05	-0.2	-0.001	0.4	-0.02	2.65	0.12	0.2	-0.1
22839	1.59	1.3	50.2	1.8	4.60	2.1	0.5	0.2	-0.1	0.2	-0.1	-0.1	-0.05	-0.2	0.015	29.7	0.14	8.50	2.42	0.6	0.1
22840	1.66	1.6	74.9	2.2	5.83	2.5	0.6	0.2	-0.1	0.3	-0.1	-0.1	-0.05	-0.2	0.017	23.0	0.16	8.27	2.46	0.8	0.3
22841	2.18	2.7	87.8	2.4	6.04	2.8	0.6	0.2	0.1	0.3	-0.1	0.1	-0.05	-0.2	0.005	59.1	0.25	9.94	3.10	0.9	0.2
22842	1.57	1.7	62.0	1.8	4.68	2.2	0.5	0.2	-0.1	0.2	-0.1	0.1	-0.05	-0.2	0.009	40.1	0.19	8.81	2.46	0.9	0.2
22843	0.38	1.0	80.9	11.1	23.6	9.9	1.7	0.3	0.2	0.4	-0.1	0.1	-0.05	-0.2	0.002	3.3	0.48	10.7	0.72	2.8	0.3
22843 rep	0.38	1.0	77.9	11.5	24.4	10.3	1.8	0.3	0.2	0.4	-0.1	0.2	-0.05	-0.2	0.001	2.6	0.49	11.1	0.70	2.6	0.3
22844	0.91	0.2	19.4	4.1	11.2	5.8	1.1	0.2	0.1	0.3	-0.1	-0.1	-0.05	-0.2	0.005	10.8	1.68	5.49	0.45	0.4	0.3
22845	0.19	1.2	87.8	10.9	25.0	13.0	2.9	0.7	0.4	1.3	0.2	0.2	-0.05	-0.2	0.001	2.6	0.66	12.7	0.19	2.1	0.3
22846	0.67	0.8	67.2	8.8	20.1	8.6	1.5	0.3	0.2	0.4	-0.1	0.1	-0.05	-0.2	0.002	4.1	0.39	16.2	1.15	2.0	0.2
22847	0.77	0.3	36.5	2.0	5.33	2.6	0.5	0.1	-0.1	0.2	-0.1	-0.1	-0.05	-0.2	0.006	10.0	0.24	15.1	0.90	0.5	0.1
22847 pulp dup	0.88	0.3	34.4	2.9	7.46	3.2	0.6	0.1	-0.1	0.2	-0.1	-0.1	-0.05	-0.2	0.007	14.9	0.21	16.2	0.98	0.7	0.2

**Actlabs Ultratrace 1 Job**Trace Element Values Are  
Values = 999999 are greater**Sample ID:**

	<b>Te</b>	<b>Cs</b>	<b>Ba</b>	<b>La</b>	<b>Ce</b>	<b>Nd</b>	<b>Sm</b>	<b>Eu</b>	<b>Tb</b>	<b>Yb</b>	<b>Lu</b>	<b>Hf</b>	<b>Ta</b>	<b>W</b>	<b>Re</b>	<b>Au</b>	<b>PPB</b>	<b>Tl</b>	<b>Pb</b>	<b>Bi</b>	<b>Th</b>	<b>U</b>
Control Material GXR-6	0.10	3.7	851	10.9	31.9	11.1	2.2	0.6	0.3	0.7	0.1	0.2	-0.05	-0.2	-0.001	77.3	1.89	91.1	0.17	3.7	0.9	
Control Material GXR-2	0.14	3.6	1530	17.7	37.8	15.0	2.8	0.5	0.3	0.7	0.1	0.1	-0.05	-0.2	0.001	38.3	0.61	546	0.25	3.3	1.3	
Control Material GXR-1	15.8	2.9	561	4.8	12.2	6.9	2.5	0.5	0.7	2.3	0.3	0.1	-0.05	146	0.003	4360	0.39	733	1700	1.7	32.9	
Control Material GXR-4	0.92	2.5	172	51.6	97.9	39.2	6.1	1.3	0.5	0.8	0.1	0.2	-0.05	9.0	0.180	381	2.90	39.5	20.1	18.7	4.8	
<b>Cert Data GXR-6</b>	<b>0.018</b>	<b>4.2</b>	<b>1,300</b>	<b>13.9</b>	<b>36</b>	<b>13</b>	<b>2.67</b>	<b>0.76</b>	<b>0.415</b>	<b>2.4</b>	<b>0.33</b>	<b>4.3</b>	<b>0.485</b>	<b>1.9</b>	-	<b>95</b>	<b>2.2</b>	<b>101</b>	<b>0.29</b>	<b>5.3</b>	<b>1.54</b>	
<b>Cert Data GXR-2</b>	<b>0.69</b>	<b>5.2</b>	<b>2,240</b>	<b>25.6</b>	<b>51.4</b>	<b>19</b>	<b>3.5</b>	<b>0.81</b>	<b>0.48</b>	<b>2.04</b>	<b>0.27</b>	<b>8.3</b>	<b>0.9</b>	<b>1.9</b>	-	<b>36</b>	<b>1.03</b>	<b>690</b>	<b>0.89</b>	<b>8.8</b>	<b>2.9</b>	
<b>Cert Data GXR-1</b>	<b>13</b>	<b>3</b>	<b>750</b>	<b>7.5</b>	<b>17</b>	<b>18</b>	<b>2.7</b>	<b>0.69</b>	<b>0.83</b>	<b>1.9</b>	<b>0.28</b>	<b>0.96</b>	<b>0.175</b>	<b>164</b>	-	<b>3,300</b>	<b>0.39</b>	<b>730</b>	<b>1,380</b>	<b>2.44</b>	<b>34.9</b>	
<b>Cert Data GXR-4</b>	<b>0.97</b>	<b>2.8</b>	<b>1,640</b>	<b>64.5</b>	<b>102</b>	<b>45</b>	<b>6.6</b>	<b>1.63</b>	<b>0.36</b>	<b>1.6</b>	<b>0.17</b>	<b>6.3</b>	<b>0.79</b>	<b>30.8</b>	-	<b>470</b>	<b>3.2</b>	<b>52</b>	<b>19</b>	<b>22.5</b>	<b>6.2</b>	

Actlabs PGE (1C) Job #: A03-1671

Report#: A03-1671B

Client: WGM

Contact: P. Dunbar

Sample ID:	Sample Wt(g)	Pd ppb	Pt ppb	Au ppb
22837	15	-4	-5	16
22839	15	16	13	58
22840	15	12	13	25
22843	15	-4	-5	6
Blank	30	-1	-1	-1
Control Material UMT-1	2	113	133	45
Control Material WMG-1	2	355	643	64
<b>Cert Data UMT-1</b>	<b>2</b>	<b>106</b>	<b>129</b>	<b>48</b>
<b>Cert Data WMG-1</b>	<b>2</b>	<b>382</b>	<b>731</b>	<b>110</b>

Certified By:



C. Douglas Read, BSc.  
Laboratory Manager, Activation Laboratories Ltd.

Date Received: 12-Sept-03

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Unless otherwise instructed, samples will be disposed of 90 days from the date of this report.

Date Reported: 15-Sept-03

## Work Report Summary

Transaction No: W0470.00300 Status: APPROVED  
 Recording Date: 2004-FEB-20 Work Done from: 2003-JUL-27  
 Approval Date: 2004-MAY-04 to: 2003-AUG-05

Client(s):  
 111562 BRADY, JOHN GREGORY

Survey Type(s):  
 ASSAY GEOL

**Work Report Details:**

Claim#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
S 787646	\$568	\$568	\$89	\$89	\$479	479	\$0	\$0	2008-APR-16
S 787647	\$568	\$568	\$89	\$89	\$479	479	\$0	\$0	2008-APR-16
S 787648	\$568	\$568	\$89	\$89	\$479	479	\$0	\$0	2008-APR-16
S 787649	\$0	\$0	\$88	\$88	\$0	0	\$0	\$0	2008-APR-16
S 854567	\$0	\$0	\$89	\$89	\$0	0	\$0	\$0	2008-OCT-11
S 854568	\$0	\$0	\$89	\$89	\$0	0	\$0	\$0	2008-OCT-11
S 854569	\$568	\$568	\$89	\$89	\$479	479	\$0	\$0	2009-OCT-11
S 985162	\$0	\$0	\$89	\$89	\$0	0	\$0	\$0	2008-JUL-28
S 985163	\$568	\$568	\$89	\$89	\$479	479	\$0	\$0	2008-JUL-28
S 985164	\$0	\$0	\$88	\$88	\$0	0	\$0	\$0	2008-JUL-28
S 1076451	\$0	\$0	\$89	\$89	\$0	0	\$0	\$0	2008-AUG-01
S 1118338	\$0	\$0	\$89	\$89	\$0	0	\$0	\$0	2009-JUL-09
S 1118339	\$0	\$0	\$177	\$177	\$0	0	\$0	\$0	2006-JUL-09
S 1244497	\$0	\$0	\$177	\$177	\$0	0	\$0	\$0	2007-OCT-02
S 1249703	\$0	\$0	\$1,065	\$1,065	\$0	0	\$0	\$0	2007-MAY-22
S 3002854	\$0	\$0	\$887	\$887	\$0	0	\$0	\$0	2005-JUN-06
S 3002859	\$2,839	\$2,839	\$444	\$444	\$2,395	2,395	\$0	\$0	2006-OCT-02
S 3002860	\$0	\$0	\$266	\$266	\$0	0	\$0	\$0	2005-JUN-06
S 3002861	\$0	\$0	\$355	\$355	\$0	0	\$0	\$0	2005-JUN-06
S 3014601	\$0	\$0	\$177	\$177	\$0	0	\$0	\$0	2005-JUN-06
S 3014602	\$0	\$0	\$1,065	\$1,065	\$0	0	\$0	\$0	2005-JUN-06
	\$5,679	\$5,679	\$5,679	\$5,679	\$4,790	\$4,790	\$0	\$0	

External Credits: \$0

Reserve: \$0 Reserve of Work Report#: W0470.00300

           \$0 Total Remaining

Status of claim is based on information currently on record.



41I15NW2001 2.27230 FRALECK

900

Date: 2004-MAY-04

GEOSCIENCE ASSESSMENT OFFICE  
933 RAMSEY LAKE ROAD, 6th FLOOR  
SUDBURY, ONTARIO  
P3E 6B5

JOHN GREGORY BRADY  
1227 HOLLAND ROAD  
SUDBURY, ONTARIO  
P3A 3R1 CANADA

Tel: (888) 415-9845  
Fax: (877) 670-1555

**Submission Number:** 2.27230  
**Transaction Number(s):** W0470.00300

Dear Sir or Madam

**Subject: Approval of Assessment Work**

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

If you have any question regarding this correspondence, please contact STEVEN BENETEAU by email at [steve.beneteau@ndm.gov.on.ca](mailto:steve.beneteau@ndm.gov.on.ca) or by phone at (705) 670-5855.

Yours Sincerely,



Ron C. Gashinski  
Senior Manager, Mining Lands Section

**Cc:** Resident Geologist

John Gregory Brady  
(Claim Holder)

Joe Hinzer  
(Agent)

Assessment File Library

John Gregory Brady  
(Assessment Office)

