SUMMARY REPORT ON THE BLUE RIVER CARBONATITE PROPERTY

EAST-CENTRAL BRITISH COLUMBIA

Mineral Claims
Fir 1 to 12, Mara 1 to 7, and Verity 1 to 11

Geographic Coordinates

52° 24' N to 52° 27' N

119° 09' W to 119° 11' W

NTS Sheets 83D/6, 83P6, 83P11-14

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Prepared for

COMMERCE RESOURCES CORP.

By

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SUMMARY

The Blue River Property consists of two claim groups, Verity to the north and Fir to the south, totalling 205 claim units within the Kamloops Mining Division, east-central British Columbia. The property is accessible from British Columbia Highway 5 and is approximately 60 km south of Valemount, British Columbia and about 30 km north of Blue River. Both groups of claims are held 100 percent by Commerce Resources Corp. The property is not subject to any royalties, back-in payments or other agreements.

The property is underlain by gneissic metasedimentary rocks of the Proterozoic Horsethief Creek Group. The gneisses have been intruded by several carbonatite sills; including Bone Creek, Mill, Fir, Verity-Paradise and Serpentine Creek. The carbonatite sills are host to known tantalum-niobium-phosphate mineralization. Both the Bone Creek Carbonatite and Verity-Paradise Carbonatite Complex contain accessory phases which may include uranium, vermiculite and zirconium. The Fir Carbonatite, with generally the highest reported concentrations of tantalum-niobium-phosphate, has low to negligible concentrations of uranium and zirconium.

Near the western end of the Verity Carbonatite Sill, within an area measuring 600 m (vertical) by 630 m (north-south) by 1000 m (east-west) area, an inferred resource of 3.06 Mt containing 196 g/t Ta_2O_5, 646 g/t Nb_2O_5 and 3.20% P_2O_5 is estimated. The Verity-Paradise Carbonatite Complex has been traced by intermittent surface sampling over a strike length of more than 5,500 m. Near its western end, it is between 15 and 31 m thick, with an approximate orientation of 148°/20° to 30° SW. At Paradise, its presumed eastern extension, it is about 30 m thick with an approximately N-S strike and a dip of about 30° W.

The Mill Carbonatite, which was previously tested by 10 core holes, contains mostly lower concentrations of tantalum. The Bone Creek Carbonatite, which was previously tested by 17 core holes, is near flat-lying, discontinuous, and generally less than 5 m thick. The Fir Carbonatite, which was intersected in 4 core holes, has various inclusions of country rock, as evident in Hole BC19:

Interval (m)		Thick (m)*	Ta_2O_5 (g/t)
From	To		
106.3	121.5	15.2	273
154.5	172.3	17.8	232
184.4	192.6	8.2	319

* Approximately true thickness (Hole BC19)

Carbonatite-associated deposits (carbonatite and related alkalic silicates) generally occur as intrusive bodies and are mined for rare earth elements (REE), niobium, vermiculite, fluorite, iron, copper, phosphate; other products including nickel, uranium, tantalum, gold, silver, platinum group elements, baddeleyite, zircon, magnetite and lime. Of the approximately 330 carbonatite systems known worldwide, a few notable examples include Araxa (Brazil), Bayan Obo (Mongolia), Cargill (Ontario), Catalao I and II (Brazil), Fen (Norway), Kovdor, Kola (Russia), Mountain Pass (California), Niobec (Canada), Palabora (South Africa) and Powderhorn Complex (Colorado, USA). Carbonatites offer excellent potential for contained tantalum tonnage, as the majority of the world’s current tantalum extraction relies mainly on complex or irregularly mineralized

deposits in both placers and pegmatites, which are relatively poor, and generally small deposits (After Roskill, 1999).

Exploration for tantalum-niobium-phosphate bearing carbonatites at the Blue River Property is at an advanced stage. Prior exploration has successfully identified concentrations of tantalum, which are among the highest known worldwide, from carbonatite systems. Furthermore, average concentrations of about 196 g/t Ta_2O_5 for the Verity-Paradise Carbonatite Complex are comparable to those reported for Sons of Gwalias' Greenbushes Pegmatite, with average grades of about 298 g/t Ta_2O_5.

The potential for the discovery of economic concentrations of tantalum can be considered excellent, given the known tantalum-niobium-phosphate +/- magnetite, uranium, vermiculite, zirconium mineralization at the Verity-Paradise Carbonatite Complex and the tantalum-niobium-phosphate at the Fir Carbonatite. Both carbonatites have potential for large tonnages with high grades of tantalum-niobium-phosphate. Other factors, which will impact the economics of the carbonatites include their proximity to infrastructure, such as rail, roads and power. Mineralogical and metallurgical testing is required for both carbonatites, to determine all aspects of beneficiation characteristics.

The Blue River Property is a property of merit, which warrants advanced exploration at both the Verity-Paradise Carbonatite Complex and the Fir Carbonatite. This work should include geophysics, sampling and mapping of the strike extents of both carbonatites; detailed topographic surveys; bulk sampling for bulk (concentrate) chemistries and mineralogical and metallurgical processing; and drilling. The estimated cost of the foregoing exploration program is $300,000 not including GST.

INTRODUCTION AND TERMS OF REFERENCE

Terms of Reference

The author was retained during May and June 2001, by Commerce Resources Corp. (Commerce) to prepare an independent summary of exploration, of mineral resources (if any), and to propose future exploration (if warranted) for the Blue River Property. Additionally, the report will support a prospectus filed by Commerce, for purposes of obtaining a public listing.

Sources of Information

This evaluation is based on published and unpublished material, and data submitted to the author by Commerce, Percy Cox, Dr. Anthony Mariano and Dahrouge Geological Consulting Ltd. (Dahrouge). Independent prospector Percy Cox of Kamloops, British Columbia, who was involved with the 1980 and 1981 exploration programs, provided original survey information for most of the drill holes. Independent consulting geologist, Dr. Anthony Mariano, has conducted exploration programs of the property since his first field examination in 1967, supplied most of the original data and reports. Permission to do so was granted by Anschutz (Canada) Mining Ltd. (beneficial owner Phil Anschutz), who conducted considerable exploration at the property from 1980 to 1982. Jody Dahrouge (of Dahrouge Geological Consulting Ltd.) is also a director of Commerce.

Independent geologist Alex Knox (2000) examined several hand samples and one small bulk sample (supplied by Dahrouge) from the Verity-Paradise and Fir carbonatites. Author, James McCrea, P.Geo., examined the property during May 25 to 27, 2001. In order to verify prior results, several samples were collected from both the Verity-Paradise and Fir carbonatites (Appendix 5). The resource estimations contained herein, were independently completed by the author. The estimates were conducted to verify prior estimates by Aaquist (1982b), and those by Dahrouge (Knox, 2000). James McCrea, P.Geo., has extensive experience estimating mineral resources, and has completed numerous resource estimates on a variety of mineral deposit types worldwide.

Disclaimer

This report and the resource estimations contained herein relies on data and information available through government assessment files or provided by others. As much of the original information was available through independent consultants, such as Dr. Anthony Mariano and Percy Cox, it is considered to be of a very high quality.

PROPERTY DESCRIPTION AND LOCATION

The Blue River Property encompasses about 5125 ha (51¼ km^2) within the North Thompson River valley of east-central British Columbia. It consists of two separate claim groups, Verity to the north and Fir to the south, both within the Kamloops Mining Division (Table 1). The property is within National Topographic System (NTS) map area 83 D/6. The Verity Carbonatite is centered at about 52° 24' north latitude and 119° 09' longitude. The Fir Carbonatite is centered at about 52°18' north latitude and 119° 10' longitude.

TABLE 1: LIST OF MINERAL CLAIMS, BLUE RIVER PROPERTY

Claim Name	Tenure Number	Units/Claim	Record Date	Actual or Expected Expiry Date
VERITY CLAIM GROUP				
VERITY 1	374654	1	2000-02-15	2007-02-15
VERITY 2	374655	1	2000-02-15	2007-02-15
VERITY 3	374656	1	2000-02-15	2007-02-15
VERITY 4	374657	1	2000-02-15	2007-02-15
VERITY 5	374658	1	2000-02-15	2007-02-15
VERITY 6	374659	1	2000-02-15	2007-02-15
VERITY 7	374660	1	2000-02-15	2007-02-17
VERITY 8	374661	1	2000-02-15	2007-02-17
VERITY 9	374662	1	2000-02-15	2007-02-17
VERITY10	382159	20	2000-10-28	2001-10-28
VERITY11	382160	12	2000-10-28	2001-10-28
VERITY12	382161	16	2000-10-28	2001-10-28
VERITY13	382162	20	2000-10-28	2001-10-28
MARA 1	380030	20	2000-08-16	2001-08-16
MARA 2	380031	8	2000-08-16	2001-08-16

MARA 3	380032	20	2000-08-16	2001-08-16
MARA 4	380033	8	2000-08-16	2001-08-16
MARA 5	380034	1	2000-08-16	2001-08-16
MARA 6	380035	1	2000-08-16	2001-08-16
MARA 7	380036	1	2000-08-16	2001-08-16
	SubTotal:	136		
FIR CLAIM GROUP				
FIR 1	374663	1	2000-02-16	2007-02-16
FIR 2	374664	1	2000-02-16	2007-02-16
FIR 3	374665	1	2000-02-16	2007-02-16
FIR 4	374666	1	2000-02-16	2007-02-16
FIR 5	374667		2000-02-16	2007-02-16
FIR 6	374668	1	2000-02-16	2007-02-16
FIR 7	374669	1	2000-02-16	2007-02-16
FIR 8	374670	1	2000-02-16	2007-02-16
FIR 9	374671	1	2000-02-16	2007-02-16
FIR 10	382163	20	2000-10-28	2001-10-28
FIR 11	382164	20	2000-10-27	2001-10-27
FIR 12	382165	20	2000-10-27	2001-10-27
	SubTotal:	69		
	Total:	205		

The Verity Carbonatite is held under 20 contiguous unsurveyed minerals claims (Verity 1 to 13 and Mara 1 to 7) which cover a total area of about 3400 ha (34 km^2; Table 1). The Fir Carbonatite is held under 12 contiguous unsurveyed mineral claims (Fir 1 to 12) which cover a total area of about 1725 ha (17¼ km^2; Table 4.1). Both groups of claims are held 100 percent by Commerce. The property is not subject to any royalties, back-in payments or other agreements. There are no known environmental liabilities within the property.

Claims Verity 1 to 9, and claims Fir 1 to 9 are in good standing to 2007. Claims Mara 1 to 7 and claims Verity 10 to 13 have respective anniversary dates of August 16, 2001 and October 28, 2001. Claims Fir 10 to 12 have anniversary dates of October 27 and 28, 2001. Annual assessment requirements are $100 per claim unit for the first three years, and $200 thereafter. Sufficient unfiled assessment work has been completed on both groups of claims to keep them in good standing for at least an additional 3 years.

In order to conduct detailed-exploration work such as road work and drilling, permits must be obtained from the British Columbia Government. Reclamation Permit MX-15-174 has been granted to Commerce, providing the right to conduct both road construction and drilling until the early part of 2002.

ACCESSIBILITY, CLIMATE, INFRASTRUCTURE AND PHYSIOGRAPHY

Access and Infrastructure

The Blue River Property is accessible from British Columbia Highway 5, with its central portions approximately 60 km south of Valemount and about 30 km north of Blue River. Limited supplies and accommodations are available at both locations. The main line of the Canadian National Railway passes through the western parts of the property, while the rail-siding at Lempriere Station is located a few kilometres to the north of the Verity group of claims. In addition, a B.C. Hydro line passes through the western part of the Verity claim group and the central part of the Fir claim group.

Highway 5, which is less than one km west of the Blue River Property, provides road access from either Blue River or Valemount. Access to the Verity Carbonatite is via an active logging road (Serpentine Creek Road) about 2 km north of Lempriere Station on Highway 5. The Fir Carbonatite is accessible from a logging road which branches from Highway 5 about 23 km north of Blue River. Both occurrences are criss-crossed by active logging roads, which are well-maintained during summer months.

Topography, Elevation and Vegetation

The Verity Carbonatite is at about 920 m above sea level. It is located along the steep, west-facing slope of the Monashee Mountains. At the Blue River Property elevations range from about 860 m to over 2,700 m. Mount Cheadle, about 3 km to the northeast of the Fir Carbonatite, reaches a maximum elevation of about 2,445 m.

The steep slopes at the Blue River Property are typically covered by thick undergrowth. Forest cover includes Western Red Cedar, Balsam, Douglas Fir, Spruce, Lodgepole Pine and Western White Pine in the lower reaches, with variable inclusions of “non-productive brush” including Alder, Birch, Devils Club, Huckleberry and Willow. A significant portion of the property is currently being clear-cut logged.

Climate

Within the region of the Blue River Property, annual temperatures range from greater than 30°C to less than -30°C, with periods of extreme precipitation. This produces average annual precipitation of greater than 50 inches (127cm), with significant snowfall during winter months.

HISTORY

During 1949 Mr. Oliver E. French discovered a vermiculite-bearing carbonate rock near Blue River (Mariano, 1982). Several claims were staked in 1950 (McCammon, 1950), and subsequent trenching showed the vermiculite to occur in association with interbedded coarse limestone (carbonatite) and gneiss. Zonalite Corporation examined the property and determined that it did not have economic potential.

In 1951 Mr. French discovered a radioactive, dolomitic rock with accessory apatite, magnetite and zircon. After determining that the sample contained radioactive pyrochlore, the B.C. Department of Mines assayed the sample, which contained about 17,000 g/t Nb_2O_5 + Ta_2O_5 and 2,000 g/t U_3O_8 (Mariano, 1982). In 1952, following the discovery of the pyrochlore-bearing dolomitized limestone (carbonatite), St. Eugene Mining Corporation Ltd. optioned the property (McCammon, 1952). Between 1952 and 1955, they conducted geologic mapping, prospecting, stripping and trenching, and sampling (Table 2).

In August 1967 Anthony Rich staked the Paradise Group to the east of the known carbonatite showings. During August 1968 Anthony Rich, Dr. J.A. Gower, Dr. A.N. Mariano and J.J. Barakso completed reconnaissance geological mapping of an area south of Paradise Lake. This area included locations with occurrences of sovite, beforesite, pegmatite and granulite (Rich, 1968).

In 1976, the area was re-staked by John Kruszewski as the Verity and AR claims; additional stripping and trenching, and ground geophysical surveys were completed (Jackson et al., 1978 and Ahroon, 1980). Under the direction of E. Meyers (1977) a magnetometer and scintillometer survey was completed in November 1977, and a trenching and sampling program in July 1978. The work was primarily directed at the discovery of uranium as the "Paradise Creek Uranium-Columbium Prospect".

In 1980 Anschutz (Canada) Mining Ltd. optioned the property form John Kruszewski, primarily for its tantalum and niobium potential. An aggressive exploration program was initiated in 1980, and resulted in the discovery of the Fir and Bone Creek carbonatites which were in addition to the Mill, Paradise and Verity carbonatites. Exploration work included 13 NQ holes totalling 470.3 m at Verity, 7 NQ holes totalling 207.9 m at Mill, and 11 NQ holes totalling 311.8 m at Bone Creek (Appendix 2).

During 1981, Anschutz (Canada) Mining Ltd., completed an additional 2,964.9 m of drilling at the Fir, Mill and Verity carbonatites (Aaquist, 1982a; Appendix 2). Based primarily upon the 1980 and 1981 drill programs Aaquist (1982a, p.1) concluded

> "The carbonatite occurrences at Blue River, British Columbia have the highest tantalum concentrations of any carbonatite in the world."

During 1982, Aaquist (1982b) conducted an economic assessment of the property, which included a discussion of the central parts of the Verity-Paradise Complex (Aaquist, 1982b; p. 12)

> " ... A number of samples in the carbonatites in Areas I-V had tantalum values of 340 ppm to 540 ppm,
>
> but the zones do not appear to be continuous, nor are they very thick.

Also,

> " The Verity area, that was drilled in 1981, is the best defined and most continuous zone of carbonatite to date. About 2.13 million tons averaging 0.02% Ta_2O_5 and 0.126% Nb_2O_5 occur in the area..."

The foregoing Historical Estimate (NI 43-101 Section 2.4), was completed by Aaquist (1982b) utilizing a polygonal method for resource estimation. The estimate did not include an area of significant carbonatite, along the subcrop, north of the 1980 and 1981 drilling. In addition, his two-dimensional polygons may not have accurately reflected the geometry and small-scale variability of the sill. Furthermore, Aaquist (1982b) was not independent of the Anschutz Mining (Canada) Ltd., hence his estimates do not conform with NI 43-101. In spite of the foregoing, the estimates appear reasonable.

TABLE 2: SUMMARY OF PRIOR WORK*

Year	Description	Reported Expenditures
1949	Carbonatite bodies first discovered by Oliver E. French, Zonolite Corporation examined the property for its Vermiculite Potential (Mariano, 1982)	-
1950	Several Hand Trenches, mapping and sampling (McCammon, 1950)	-
1951-52	Extensive geologic mapping, test-pitting and sampling; primarily examined for its Uranium potential (McCammon, 1952)	-
1953	About 3 miles of road-building, stripping and trenching; Mill-showingdiscovered (McCammon, 1954)	-
1954	Minor sampling (McCammon, 1954)	-
1955	Property examination by R. B. Rowe (1958) of the Geological Survey of Canada	
1964	Carbonatite occurrences examined by Kennco Explorations (Western) Limited (Mariano, 1982)	-
1967-9	Blue River carbonatites examined by Kennecott Copper Corporation (Mariano, 1982)	-
1967	Howard Creek area prospected by Earl Dotson of Falconbridge, Howard Creek carbonatites discovered and staked by Anthony Rich (Mariano, 1982)	-
1968	Geologic mapping of the Pardise Area (Rich, 1968)	-
1977-8	Ground magnetometer and scintillometer surveys, prospecting, trenching, sampling and analysis (Jackson et al., 1978)	-
1979-80	Airborne and ground geophysics, geologic mapping and sampling, and 1,066.8 m core drilling (Ahroon, 1980)	$230,457.98
1981	Diamond drilling at Mill, Verity, Bone Creek, Fir, total of 2,964.9 min. 28 holes; mapping and sampling; a 1:4,000 scale topographic map (Aaquist, 1982a)	303,455.43
1982	Detailed mapping and sampling of known carbonatites (Aaquist, 1982b)	27,247.56
1984	Mapping and sampling (Pell, 1985)	-
1987-88	Serpentine Creek and Gum Creek carbonatites discovered (Digel et. al., 1989)	-
2000	Prospecting of new occurences in recently logged areas, sampling of specimen pit for mineralogy (Dahrouge, 2001)	19,102.39
2001	Ground geophysical surveys, Prospecting, Stream Sediment Sampling, Preparation for drilling (Dahrouge, 2001)	82,649.41
	Total of Reported Expenditures:	$ 653,810.38

* Modified after Knox (2000)653810.38

Upon completion of the 1982 exploration, it was recommended that the properties were uneconomic due to a drop in the price of tantalum, and the property was allowed to lapse.

While conducting a program of detailed mapping during 1987 and 1988, Digel et. al. (1989) located two new carbonatites near the Blue River Property. The Serpentine Creek Carbonatite is a small body, poorly exposed along a logging road at about 1370 m elevation, while the Gum Creek Carbonatite occurs as a layer about 10 m thick at about 2040 m elevation on a small ridge just south of Gum Creek.

During February 2000, Commerce re-staked the known carbonatites (Knox, 2000) and conducted a small surface sampling program; to confirm the known tantalum mineralization at both Fir and Verity, and to locate new exposures on recently constructed logging trails. An evaluation of existing information, including 30 drill holes totalling 2,060 m and 715 samples, resulted in an estimate of an inferred resource of (Knox, 2000; p.1)

> " the main Verity Carbonatite Sill contains an inferred mineral resource of at least 3.8 Mt with about 228 g/t Ta_2O_5, 647 g/t Nb_2O_5, and 3.23 % P_2O_5."

The foregoing Historical Estimate (NI 43-101Section 2.4), was completed by Dahrouge (a director of Commerce) utilizing a polygonal method for resource estimation (Knox, 2000). It was based on drill hole polygons with a 75 m radius and includes those areas along the subcrop edge that Aaquist (1982b) excluded. Although, Knox (2000), conducted a detailed review of the foregoing resource model, he did not visit the property, hence his estimates do not conform with NI 43-101.

There is no recorded mineral production from the Blue River Property.

DEPOSIT TYPES

The exploration target at the Blue River Property is tantalum-niobium-phosphate bearing carbonatites. According to Roskill (1999)

> "There are three geological types of deposits in which tantalum minerals occur; carbonatites, pegmatites, and contact metasomatic deposits, - which can be thought of as end-products of a melt. Carbonatites offer the best prospect for contained tantalum tonnage, but tantalum is unlikely to be present in economic concentrations. Of the large number of carbonatite deposits known, around half contain tantalum and niobium but only 20% contain the metals in possible future economic concentrations: the Ta_2O_5 content is generally less than 0.01%. Thus the presence of large potential sources of carbonatites, such as pyrochlore, does not mean an additional supply of tantalum. Tantalum extraction relies mainly on irregular mineralised, relatively poor (less than 0.1% Ta_2O_5) deposits of small size, in pegmatites and placers."

Mariano (1989; p. 149) notes that

> "Some carbonatite pyrochlores contain Ta abundances at economic levels. Examples include the carbonatite bodies of the Shuswap Terrain (Canada), Crevier (Canada), Fen (Norway), and Ngualla (Tanzania)."

While Burt (1996; p. 17) indicates that for a primary deposit of Tantalum the

> "... actual economic grade required depends on whether the ore is weathered to the point of kaolinization, or remains as a hard-rock deposit. In the former case a grade of 100 ppm Ta_2O_5 is acceptable; in the latter case a grade of 400 ppm Ta_2O_5 is generally required, although this will to a large extent depend on tonnage and whether the mine is

underground or open pit. In the latter case, the stripping ratio (the amount of waste that has to be removed) is also a significant parameter."

According to Knox (2000), carbonatites are igneous rocks composed of more that 50 percent carbonate minerals. They are typically enriched in alkali elements and occur with other under saturated alkaline rocks (feldspathoidal syenites and rocks of the ijolite suite). Of the more than 330 alkali silicate-carbonatite complexes known worldwide (Richardson and Birkett, 1996a), a significant number are located within the central carbonatite belt of British Columbia (Pell, 1985). They include the Blue River area carbonatites: Bone Creek, Fir, Gum Creek, Verity-Paradise, Serpentine Creek; Howard Creek; and Mud Lake-Blue River.

Carbonatite-associated deposits (carbonatite and related alkalic silicates) generally occur as intrusive bodies and are exploited for rare earth elements (REE), niobium, vermiculite, fluorite, iron, copper, phosphate; other products include nickel, uranium, tantalum, gold, silver, platinum group elements, baddeleyite, zircon, magnetite and lime (Richardson and Birkett, 1996a). A few notable examples are Araxa (Brazil), Bayan Obo (Mongolia), Cargill (Ontario), Catalao I and II (Brazil), Fen (Norway), Kovdor, Kola (Russia), Mountain Pass (California), Niobec (Canada), Palabora (South Africa) and Powderhorn Complex (Colorado, USA).

According to Knox (2000), economic deposits of tantalum and niobium within carbonate bodies were formed by primary magmatic concentration. The non-carbonate mineralogy in a carbonatite tends to segregate into bands, thus a diffuse igneous layering is formed with bands richer and poorer in non-carbonate minerals. This process is enhanced by the relatively low viscosity of the carbonatite magma. If a magma pulse rich in tantalum and niobium is intruded, the minerals may segregate into non-carbonate mineral rich layers, and thus form potentially economic concentrations.

Currently, there is no documented primary tantalum production from carbonatites. World tantalum production is dominated by the Greenbushes and Wodgina tantalum mines (Table 3), which contain the world's largest known tantalum resources. The combined production from these two mines accounts for about 25 percent of the world's annual production (Sons of Gwalia, 2001). A summary of some known tantalum deposits is provided in Table 3.

TABLE 3: SUMMARY OF AVAILABLE INFORMATION ON SOME TANTALUM BEARING DEPOSITS

Location Deposit	Tonnage (million)	Grade (Ta_2O_5 %)	Other Commodity(s)	Comments
<u>Carbonatite Deposits</u> (Canadian Examples)				
Verity, British Columbia	-	~ 0.02	Nb_2O_5, P_2O_5	Carbonatite sill, about 15 – 30 m thick, strike length estimated at 5,500 m
Fir, British Columbia	-	~ 0.022	Nb_2O_5, P_2O_5	Carbonatite sill, about 75 m thick, known strike length about 400 m
St. Honore (Niobec)[1] Quebec	10.1	-	Nb_2O_5	The Niobec underground mine, is jointly owned by Mazarin Inc. and Cambior Inc.
Crevier-Lagorce[1] Quebec	15.2	0.020	Nb_2O_5	The deposit is in Crevier-Lagorce townships Quebec

Peralkaline Deposits				
Thor Lake, NWT[2]	64	0.040	Nb_2O_5; ZrO_2; $(REE)_2O_5$	The deposit is located near Great Slave Lake, NWT the Lake Zone represents a large metasomatized breccia zone
Brockman, Western Australia[2]	8.97	0.038	Nb_2O_5; ZrO_2; $(REE)_2O_5$; HfO_2; Ga	Complex mineralogy, extremely fine-grained
Bernic Lake,Manitoba[4]	1.09	0.117	-	Only North American production, recoveries less than 75%
Greenbushes, Australia[3]	27	0.0298	Li_2O	Sons of Gwalia open pit mine since 1992
Wodgina, Australia[3]	27	0.042	-	Sons of Gwalia open pit mine since 1988; tantalum recoveries (1995) reported at 64%[4]

[1] After Richardson and Birkett, 1996a
[2] After Richardson and Birkett, 1996b
[3] After Sons of Gwalia, 2001
[4] After Roskill, 1999

GEOLOGICAL SETTING

Regional Geology

The Blue River Property encompasses upper amphibolite facies (kyanite to sillimanite) metasedimentary rocks of the Proterozoic Horsethief Creek Group of the Shuswap Metamorphic Complex within the Omineca Crystalline belt. These rocks were described by Campbell (1968) as: gritty feldspathic quartzite, phyllite, quartz-mica schist, garnet-staurolite and kyanite-mica schist, biotitic and/or horneblendic quartzo-feldspathic gneiss, minor marble and amphibolite and minor pegmatite with staurolite-kyanite schist. Immediately north of the property, along the north facing slope of Moonbeam Ridge, is an easterly trending mylonitic contact zone, with the highly deformed Malton Gneiss to the north.

Complex regional scale structures within this part of the Monashee Mountains include the mylonitic fault contact between Horsethief Creek Group rocks to the south and Malton Gneiss to the north; and a northerly trending regional scale fault along the North Thompson River Valley, which Pell and Simony (1981) described as

> "a major west side down normal fault, the North Thompson fault, forms a structural and metamorphic discontinuity between the Cariboo Mountains and the Monashee Mountains to the east."

The eastern flank of the Cordillera has previously been recognized as a locus of alkaline igneous activity (Currie, 1976). Pell (1987) has subdivided the Omineca Alkaline Province, within British Columbia, into three northwest trending belts:

a) an eastern belt, east of the Rocky Mountain Trench and encompassing most of the Main

and Western Ranges of the Rocky Mountains;

b) a central carbonatite belt, which predominantly encompasses the Rocky Mountain Trench and eastern part of the Omineca; and

c) a western belt.

The central carbonatite belt, which extends about 50 km westerly and approximately parallel to the Rocky Mountain Trench, generally hosts multiply deformed and metamorphosed, sill-like bodies hosted by Late Precambrian to Early Cambrian metasedimentary rocks (Pell, 1987). This belt includes the Blue River area carbonatites: Bone Creek, Fir, Gum Creek, Verity-Paradise, Serpentine Creek; Howard Creek; and Mud Lake-Blue River.

Property Geology

Near the western end of the Verity Carbonatite, the gneisses of the Horsethief Creek Group have a general strike of 300° and dip 15° to 30° SW (Aaquist, 1982b). Easterly, near Paradise Lake, they strike northerly and dip at about 30° W (Mariano, 1982) and further south at Fir they are near flat-lying. The gneissic rocks are locally folded, faulted, and intruded by sills of carbonatite which are either sovite (calcite-dominated) or beforsite (dolomite-dominated). Both rock types are medium- to coarse-crystalline, and display layering defined by varying quantities of accessory minerals.

At Verity, the significant tantalum and niobium values are hosted by beforsite (Aaquist, 1982a). The sovite-dominated carbonatite sills are generally thin and barren. The carbonatites contain accessory minerals including Na-amphibole, pyroxene, phylogopite, olivine, magnetite, pyrite/pyrrhotite and apatite, as well as the niobium and tantalum bearing minerals pyrchlore, ferrocolumbite and fersmite.

Amphibolite and glimmerite (biotite rock) are closely associated with the carbonatite bodies. Nepheline syenite has been found in the area (Aaquist 1982b).

MINERALIZATION AND COMPOSITION

Prior exploration at the Blue River Property has resulted in the discovery of at least six distinct tantalum/niobium bearing carbonatites: Bone Creek, Fir, Gum Creek, Mill, Verity-Paradise, and Serpentine Creek. The Verity and Paradise carbonatites appear to be part of the same carbonatite complex, which has been traced for a distance of about 5,500 m. Neither the Serpentine Creek or the Gum Creek carbonatite have been systematically mapped or sampled. In addition, the Gum Creek carbonatite lies beyond the property boundaries, a short distance east of the Fir claims.

According to Mariano (2001; p. 1),

> "commodities that will directly follow as by-products of Ta mining include Nb, U, and apatite. Other potential by-products include zircon, magnetite, agricultural or cement application lime, nepheline syenites for ceramic uses, and vermiculite."

The two best mineralized carbonatite bodies are the upper carbonatite-sill near the western end of the Verity-Paradise Carbonatite Complex, and the thick carbonatite sill(s) within the northern portion of the Fir claims. In all cases the tantalum and niobium values are contained within the minerals pyrochlore ($(Ca,Na)_2Nb_2O_6(OH,F)$), ferrocolumbite ($FeNb_2O_6$) and fersmite ($(Ca,Na)Nb_2(O,OH,F)_6$). Tantalum may substitute for niobium in either the pyrochlore or ferrocolumbite structures. While, uranium may substitute for niobium within pyrochlore; however, it is not present within the ferrocolumbite or fersmite (Mariano, 1982).

At the Bone Creek Carbonatite and at the Verity-Paradise Carbonatite Complex, most of the tantalum is found within the pyrochlore (Mariano, 1982). At the Fir Carbonatite, the dominant mineral phase is ferrocolumbite. In addition, when present (Mariano, 1982, p. i),

> "Pyrochlore from Fir Claim rocks (both outcrop and drill core) shows only minor amounts of uranium substitution ..."

Variable ratios of Nb:Ta found in the analytical data from the property, is likely an indication of different mineralogical ratios. Knox (2000) examined several pyrochlore bearing samples from the property. The pyrochlore is typically dark red, although, Mariano (2000; Aaquist 1982a) recognized black and yellowish coloured varieties. The pyrochlore seems to occur in two habits, as euhedral to subhedral octahedrons and as anhedral porous masses. The pyrochlore is between 0.2 and 2 mm in diameter and should present no concentration problems.

The following descriptions of Petrology, Mineralogy, and Geochemistry are by Dr. Anthony N. Mariano, an independent expert on the mineralogy and economic geology of carbonatites and rare metal deposits.

Bone Creek Carbonatite

Within the south-central part of the Fir Claim Group, the Bone Creek carbonatite, was previously tested by 17 core holes. It is near flat-lying, discontinuous, and typically less than 5 m thick. According to Mariano (1982, p. 50)

> "A continuous stream running over an apatite beforsite outcrop on the Bone Creek logging road has caused decalcification of dolomite and simultaneous replacement by Fe3+ oxide muds insitu. Grains of apatite and richterite are preserved and they stand out in this illustration in positive relief.
>
> Pyrochlore crystals that appear to be black, on close scrutiny, are found to be dark mahogany brown. They are mostly rounded grains but some show well-developed octahedrons with the dodecahedral modification. The average grain size for the pyrochlore is 0.75 mm but some grains exceed 5 mm in dimension."

A summary of pertinent quantitative microprobe results for five pyrochlores from the Bone Creek Carbonatite follow (Mariano, 1979):

Constituent* (Wt. %)	Range	Average
CaO	9.38 – 9.75	9.59
FeO	0.19 – 0.34	0.26
Na_2O	4.65 – 6.58	6.26
Nb_2O_5	43.51 – 45.09	44.41
Ta_2O_5	16.97 – 18.93	17.94
TiO_2	3.18 – 3.49	3.31

UO_2	13.52 – 14.71	14.27
Sum	95.18 – 98.44	97.27
Nb_2O_5:Ta_2O_5	2.3 – 2.6	2.5

* After Mariano (1979)

Fir Carbonatite

The main carbonatite body on the Fir claims was intersected by four drill holes near a vertical surface exposure. The four holes were completed within an approximate area of 80 m east-west by 160 m north-south. This sill has the highest background niobium and tantalum values of any of the carbonatites within the Blue River Area (Aaquist 1982a). In 1982 the 15 m thick surface exposure was sampled, it averaged 0.32% Nb_2O_5 and 250 ppm Ta_2O_5. Two surface samples from the FIR area taken in 2000 (Knox, 2000) returned 2200 and 3000 g/t Nb_2O_5, and 250 and 240 g/t Ta_2O_5 respectively. As evident in Hole BC19, the Fir Carbonatite is variably zoned because of country rock inclusions:

Interval (m)		Thick (m)*	Ta_2O_5 (g/t)	Nb_2O_5 (g/t)	P_2O_5 (%)
From	To				
106.3	121.5	15.2	273	615	3.04
154.5	172.3	17.8	232	1393	3.05
184.4	192.6	8.2	319	1400	3.15
	Total(s):	41.2	265	1107	3.06

* Approximately true thickness (Hole BC19)

The best intersection obtained during the drilling of the FIR property was Hole BC-19: 8.2 m of 318 g/t Ta_2O_5, 1400 g/t Nb_2O_5 and 3.15 percent P_2O_5, which is probably the same horizon of carbonatite as the surface exposure. At least ten intersections grading greater than 200 ppm Ta_2O_5 over potentially mineable widths were cut in the four holes (Knox, 2000). The striking thing about the analytical results from the FIR claims is the much higher amount of tantalum in the samples, when compared to the other Blue River occurrences: values below 100 ppm Ta_2O_5 are rare. In addition, surface sampling by Dahrouge (2001), showed that U (< 10 ppm) and Th (< 15 ppm) concentrations for the Fir Carbonatite were very low.

According to Mariano (1982)

> "Carbonatite from the Fir Claim outcrops and drill core is almost exclusively beforsite composed predominantly of ferroan dolomite and minor amounts of ovoid apatite and dark green amphibole prisms which belong close to the richterite composition."

Accessory phases of economic significance from the Fir Carbonatite include, ferrocolumbite and pyrochlore in a ratio of approximately 20 : 1 (columbite : pyrochlore). In addition, Mariano (1982) noted

> "All pyrochlores examined from BC-19 are relatively low in U and high in Ta. They are light yellow in color and occur as grains intimately crystallized with ferrocolumbite and as isolated crystals in the dolomite ground mass . ... Unlike BC-19, BC-21 core at 173.6 m contains jet black pyrochlore that is strongly radioactive indicating high U content."

Microprobe analysis provided by Mariano (2001) for ferrocolumbite and pyrochlore, from the Fir Carbonatite is as follows:

Constituent* (Wt. %)	**Ferrocolumbite**	**Pyrochlore**
CaO	-	7.2 - 15
F	-	2.4 - 5.6
FeO	14 – 17	-
MgO	1 - 3.7	-
MnO	0.5 – 1.5	-
Na_2O	-	6.1 - 7.9
Nb_2O_5	66 – 77	43 - 70
Ta_2O_5	1.7 – 14	2 - 31
ThO_2	-	< 1.4
TiO_2	1.0 – 5.5	1.1 - 3.8
UO_2	-	0.8 - 19

* Typical amounts from BC-19 167.4 m (Sample T-619Z)

Mill Carbonatite

The Mill Carbonatite, which was previously tested by 10 core holes, generally contains less than 100 ppm Ta_2O_5. The Mill Carbonatite is within the northwestern most part of the Verity Claim Group, about 2,000 m north of the western end of the Verity-Paradise Carbonatite Complex.

According to Mariano (1982, p.14)

"The principal rock type in the Mill area is apatite søvite. In the field, exposed surfaces of the søvite are light brown due to weathering. The dolomitic varieties usually show differential weathering of the two carbonates with ferroan dolomite standing out in positive relief. Both green amphibole prisms and white apatite ovoids are most often conspicuous as disseminations in the carbonate matrix exhibiting some degree of flow.

Large grains of both magnetite and zircon can be found in the Mill Claim rocks however their occurrence is erratic ... Magnetite shows a high vanadium content generally typical of carbonatite magnetites and the zircon shows a typical low hafnium value.

Although both pyrochlore and columbite have been observed in the Mill Claim søvites they occur only in trace quantities.

Other rock types found in Mill outcrop areas include an apatite beforsite and an amphibole that is part of the carbonatite genesis."

Verity-Paradise Carbonatite Complex

Near the southwest end of the Verity-Paradise Carbonatite Complex, 30 drill holes were completed during 1980 and 1981, totalling 2,060 m, with 715 samples collected from split drill core and analyzed for tantalum, niobium and phosphate. In addition, numerous outcrops, pits and trenches have been mapped and sampled along a strike length exceeding 5,500 m. The carbonatite sills at the western end of the complex have historically been referred to as Verity, while those near the eastern end are referred to as Paradise. Based upon surface trenches, Mariano (1979) estimated that the main pyrochlore-carbonatite zone at Verity to be 60 m thick. Subsequent drilling near its western end showed that it is between 15 and 31 m thick, with an approximately orientation of 148°/20° to 30° SW. About 5,500 m along strike, at Paradise, its presumed eastern extension is about 30 m thick, with an approximately north-south strike and a dip of about 30° W (Mariano, 1982).

According to Aaquist (1982b) the central part of the Verity Carbonatite Sill contains the best mineralization. Results of prior surface sampling are provided in Table 4.

TABLE 4: SUMMARY OF SURFACE SAMPLE RESULTS AT THE VERITY-PARADISE CARBONATITE COMPLEX

Location	Distance From Specimen Pit*	Samples	Ta_2O_5 (g/t)		Nb_2O_5 (g/t)		P_2O_5 (%)
			Range	Av.	Range	Av.	Av.
Specimen Pit	0	26	50 - 490	193	180 - 5130	1674	2.11
Columbite Pit	180	7	79 - 464	194	460 - 3200	1694	4.53
Old Pit	720	4	33 - 183	106	400 - 500	425	2.79
Area I	1200	11	42 - 488	170	57 - 3133	659	-
Clearcut	1300	3	26 - 71	55	100 - 243	157	-
Upper Clearcut	1500	9	117 - 452	223	400 - 5300	1886	1.58
Area II	2040	13	17 - 427	126	129 - 2246	516	-
Switch Creek	2480	7	6 - 106	29	14 - 215	114	-
Area III	2740	12	21 - 2930	514	29 - 5722	1326	-
N. Switch Creek	3080	2	6 - 56	31	14 - 329	172	2.57
Paradise Creek	4000	2	6 - 183	95	29 - 358	193	-
Area IV	4450	26	11 - 659	171	14 - 3348	640	-
1630-D	4500	5	107 - 208	156	343 - 601	464	4.56
SS3721	4600	1	-	244	-	258	3.73
Area V	4600	11	15 - 366	110	57 - 529	313	-
SS3722	4900	1	-	78	-	114	3.29
Paradise Cirque	4900	6	6 - 20	13	7 - 315	196	-
Area VI	5270	6	6 - 6	6	14 - 14	14	-
East Paradise	5500	8	6 - 22	11	14 - 415	188	-
Paradise Peak	6000	3	6 - 6	6	14 - 29	19	-
Road Side Carbonatite	3950	3	34 - 176	90	234 -779	452	2.73

* The Specimen Pit is the western most surface exposure of the Verity Carbonatite.

Samples included are those by Anschutz Mining (Canada) Ltd. and by Dahrouge.

The Verity Carbonatite is composed of beforsite and tectonic beforsite breccia. Layering of accessory minerals is commonly displayed in outcrops (Aaquist, 1982a). Aaquist (1982a, p.24) indicates that the thick beforsite sill is interpreted to have formed from a series of magmatic pluses, each varying slightly in mineral content. In addition (Knox, 2000; p 14)

> "The Verity upper carbonatite is reported to be disrupted by faulting (Aaquist 1982b, p. 9). In two of the sections from the drilling report (50,120E and 49,950E; Aaquist 1982a) the southern hole on each section is barren of carbonatite, whereas the holes further to the north (five holes and three holes respectively) in each section contain thick intersections of mineralized carbonatite.
>
> It should be noted that the Specimen Pit, one of the discovery locations of the upper Verity carbonatite appears from present work to not lie within the upper Verity beforsite, but in an overlying band. The Specimen Pit has returned high values of niobium (up to 0.51% Nb_2O_5) and tantalum (up to 490 ppm Ta_20_5)."

Detailed geochemical, mineralogical, and petrological work by Mariano (1979, 1982, 2001) has shown the dominant tantalum bearing phase at Verity to be pyrochlore. Although confined areas (eg. Columbite Pit) with valuable element concentration, including "massive concentrations" (Mariano, 1982) of ferrocolumbite, fersmite and pyrochlore, are noted.

Microprobe analysis for the three types of pyrochlore at the Verity Carbonatite follow (Mariano, 1979):

Constituent * **(Wt. %)**	**Black Pyrochlore**		**Mahogany-Red Pyrochlore**		**Yellow-Amber Pyrochlore**	
	Range	**Average**	**Range**	**Average**	**Range**	**Average**
CaO	13.03 - 13.78	13.32	13.54 - 14.61	14.27	14.08 - 14.41	14.25
Na_2O	7.05 - 7.48	7.26	7.18 - 7.57	7.42	7.36 - 7.63	7.48
Nb_2O_5	55.20 - 57.56	56.4	58.61 - 62.06	60.61	65.61 - 68.03	66.75
Ta_2O_5	7.31 - 8.06	7.69	4.54 - 7.66	6.01	1.52 - 2.49	2.12
TiO_2	2.85 - 3.07	2.97	2.09 - 2.56	2.4	1.34 - 1.52	1.43
UO_2	4.82 - 5.70	5.16	1.52 - 1.71	1.59	0 - 0.35	0.25
Sum	94.06 - 96.69	95.44	92.13 - 95.34	93.74	91.89 - 93.19	92.55
Nb_2O_5:Ta_2O_5	6.8 - 7.9	7.4	7.7 - 10.9	10.5	26.6 - 44.8	31.5

* After Mariano (1979)

EXPLORATION BY COMMERCE RESOURCES CORP. (2000 - 2001)

Recent exploration of the Blue River Property, by Commerce, is summarized in Table 5. Between July and October, 2000 Commerce (by Dahrouge) conducted a limited program to examine and sample previously discovered pits and exposures of mineralized carbonatite, mostly to obtain check analysis and to provide rock samples for verification purposes. In addition, two new outcrops of carbonatite were located and sampled. The new occurrence, deemed "Road Side Carbonatite", were located about 1,300 m southwesternly and along trend, from the southeastern most exposures of carbonatite exposed at Area IV of the Verity-Paradise Complex.

TABLE 5: SUMMARY OF RECENT (2000 to 2001) EXPENDITURES BY COMMERCE RESOURCES CORP.

Date	Description	Expenditures*
July - Oct., 2000	Field Work - collection of samples for mineralogy, geologic mapping, prospecting, and related work	$ 13,558.93
Feb., 2001	Assessment Work Notices, reporting, etc.	5,543.46
Oct., 2000 - Jan., 2001	Construction of geological models and databases, planning exploration	15,685.90
Dec., 2000	Mineralogical Examinations (Knox, 2000)	2,535.90
March - May, 2001	Field Work - drill and exploration permits, field preparation, gridding, line-cutting, magnetometer survey(s), preparing access trails, and other	50,875.81
May, 2001	Detailed mineralogy assessment of the Blue River area carbonatites	13,551.80
	Total (2000 - 2001) Expenditures:	$ 101,751.80

* Includes GST

The new "Road Side Carbonatite", which consists of both biotite beforsite and sovite, returned values of 34 and 176 g/t Ta_2O_5. Additionally, sampling of known exposures confirmed the presence of high values of tantalum, niobium, and phosphate at the Fir and Verity carbonatites. It also confirmed elevated concentrations of uranium for the Verity-Paradise Carbonatite Complex, and negligible to very low concentrations of uranium for the Fir Carbonatite. In addition Knox (2000, p.15) examined several hand samples from the property, and concluded:

"(1) the textures, mineralogy and analytical chemistry confirm that these rocks are carbonatites; and

(2) the mineral pyrochlore is present in many of the samples, with two distinct habits; as euhedral to subhedral octahedrons, and as porous, anhedral masses. Pyrochlore was seen in both the rocks themselves and in mineral concentrates prepared from one sample by heavy liquid separation and total dissolution of the carbonate minerals present."

Detailed discussions of the geochemical, mineralogical, and petrological investigations completed by Dr. Anthony N. Mariano, an independent expert on the mineralogy and economic geology of carbonatites and rare metals deposits, is provided in the section on mineralogy.

During 2001, Commerce (by Dahrouge) conducted a program of gridding, line-cutting and geophysical surveying over the known carbonatites at Fir and at Verity, as follows:

Fir Claim Group

Grid Emplacement	Wing Lines: 10 m stations, 10.7 line-km Base Line: 1.8 line-km
Magnetometer Survey	10.7 line-km total

Soil Sampling	1 test line (7600), 20 m stations (results pending)

Verity Claim Group

Grid Emplacement	Wing Lines: 10 m stations, 14.0 line-km
Line-cutting	Base Line: Chain-sawed, 2.4 line-km
Magnetometer Survey	8.5 line-km total
Soil Sampling	3 test lines (3200, 3400, 3600), 20 m stations (results pending) 69 Samples

Ground magnetic surveys at Verity, clearly delineate the easterly trending subcrop edge of the Verity-Paradise Carbonatite Complex. At the Fir claim group, the relationship between magnetics and the known carbonatite occurrences (Bone Creek and Fir) are not clear.

Additional and ongoing exploration activities, include prospecting, soil sampling, and stream sediment-sampling. Further physical work, currently limited to the Verity Carbonatite, includes: flagging of access trails, permitting, spotting of planned drill holes, and road construction. In addition, Commerce is in the process of reviewing proposals by Lakefield Research Limited (Bulatovic, 2001) and by KD Engineering Co., Inc. (Iasillo, 2001) for the beneficiation of two types of material:

a) Verity-Paradise Carbonatite Complex: a pyrochlore bearing ore enriched in Ta, Nb, U with accessory apatite, baddeleyite, magnetite; and

b) Fir Carbonatite: a ferrocolumbite (+/- pyrochlore) bearing ore enriched in Ta, Nb with accessory apatite.

Ongoing exploration activities at the Blue River Property, by Commerce (primarily gridding and ground geophysics) and by independent consultants Alex Knox, P.Geol. and Dr. Anthony Mariano (primarily mineralogy) is of high-quality.

DRILLING BY ANSCHUTZ MINING (CANADA) LTD. (1980 - 1981)

During the period 1980-1982, Anschutz (Canada) Mining Ltd. conducted extensive exploration at the Blue River Property; including diamond drilling (Table 6). Pertinent drill results are provided in Appendix 2. The 1980 drilling was contracted to both H. Allen Diamond Drilling Ltd. of Merritt, B.C. and to Bortz Specialities of Delta, B.C. In addition, (Ahroon, 1980, p.12)

> "All drilling in 1980 was done using Longyear NQWL equipment, 4.76 cm. core. All the core was placed in 1.5 meter-long wooden core boxes, each box holding 6 m of core. The core is stored in a building on the property of Ms. Elizabeth French, at mile 109 of the CN Railroad..."

In addition, the 1982 (Aaquist, 1982a, p. 3)

> "Drilling was contracted to Bortz Specialities of Delta, B.C., and all core was drilled with NQWL equipment. Core is in wooden core boxes, four rows of core, each 1.5 m long. All core is stored in a shed build on the homestead of Elizabeth French of mile 109 of the CN railroad."

TABLE 6: SUMMARY OF 1980 - 1981 DRILLING

Description	Total Metrage
1980 Drill Program (Ahroon, 1980)	
Bone Creek; 12 NQ core holes	315.8
Mill; 7 NQ core holes	207.9
Verity; 13 NQ core holes	470.3
1981 Drill Program (Aaquist, 1982a)	
Bone Creek; 10 NQ core holes	380.9
Fir; 4 - NQ core holes	828.7
Mill; 2 NQ core holes	163
Verity; 17 NQ core holes	1592.3

Some remnants of the original drill core is in the possession of David Heyman, Director of Commerce. Independent consulting geologist Dr. Anthony Mariano, has retained representative portions of both mineralized and unmineralized intervals from most of the 1980 and 1981 drill holes. Details of the mineralized intervals are documented in his 1982 report on the Petrology, Mineralogy and Geochemistry of the Blue River Carbonatites.

SAMPLING METHOD AND APPROACH

Between 1979 and 1982, Anschutz Mining (Canada) Ltd. collected surface samples from the Verity-Paradise Carbonatite Complex and from the Fir and Bone Creek carbonatites (Appendix 3). Most samples were grab samples or chips samples, up to a maximum thickness of 2.2 m. Additional surface samples were collected during 2000 by Dahrouge, and during 2001 by the author.

TABLE 7: SUMMARY OF SURFACE SAMPLING

Description	Year	Samples
Bone Creek Carbonatite		
Anschutz Mining (Canada) Ltd.	1979 - 82	8
Fir Carbonatite		
Anschutz Mining (Canada) Ltd.	1979 - 82	7
Dahrouge Geological Consulting Ltd.	2000	2
McCrea (this report)	2001	2

Verity-Paradise Carbonatite Complex		
Anschutz Mining (Canada) Ltd.	1979 - 82	159
Dahrouge Geological Consulting Ltd.	2000	13
McCrea (this report)	2001	6
	Total:	178

During the period 1980-1982, Anschutz (Canada) Mining Ltd. completed two drill programs at the Blue River Property, as summarized in Table 6. According to Aaquist (1982a, p. 3)

> "All carbonatite intercepts were sampled in intervals of 0.5 to 1.5 meters. Sample intervals were based on rock type changes, or changes in mineralogy. An effort was made to keep sample intervals the same thickness. All samples were split and half the core was kept for reference."

Furthermore, (Aahroon, 1980, p. 4)

> "the carbonatite drills fairly easily and approximately 95% recovery was obtained."

Despite the foregoing, holes H-29 and H-30 from the 1981 drill program at the Verity-Paradise Carbonatite Complex, had very poor recoveries (50 to 65%) of carbonatite. As such, analytical results from these holes were not relied upon. For the most part, sampling appears to have adequately reflected changes in lithology and/or mineralization. Unfortunately, in many instances geological personnel of Anschutz (Canada) Mining Ltd. relied on visual estimates of mineralization to preclude sampling some intervals, including: barren carbonatite and fenitized host rocks. This practice may have underestimated grades of mineralization within some holes. Sample results and composites are provided in Appendix 2.

SAMPLE PREPARATION, ANALYSES AND SECURITY

All core and surface samples from the 1980 - 1981 exploration programs by Anschutz (Canada) Mining Ltd. Aaquist (1982a, p. 5)

> "were taken to Kamloops Research and Assay Lab for sample preparation and P_2O_5 analysis. Preweighed pulps were sent to X-Ray Labs in Don Mills, Ontario for Nb analysis. Another pulp was sent to Nuclear Activation Services in Hamilton, Ontario for Ta analysis."

About 30 to 40 percent of the 1981 core samples were analyzed for uranium. In addition, the 124 surface samples from the 1982 field work (Aaquist, 1982b, p. 4)

> "were sent to Chemex Labs in Calgary for crushing and pulverizing. A pulp was sent to X-Ray Labs in Don Mills, Ontario for Nb analysis and they in turn sent a split to Nuclear Activation Services in Hamilton, Ontario for Ta analysis."

Between 10 and 15 percent of the niobium assays from the 1980 drill program at Verity were checked, and found to be in good agreement with the original data. In addition, Mariano (1982, p. 112) checked 17 sovite rocks from the Verity-Paradise Carbonatite Complex and the Mill Carbonatite for Ta, Nb and P_2O_5, and analyzed for rare earth elements. The P_2O_5 analysis was by wet chemistry, Ta, Nb and REE were analyzed by solids spark source mass spectrography. None of the 1980 to 1982 sampling by Anschutz (Canada) Mining Ltd. was conducted by Commerce or its employees. Although Anschutz (Canada) Mining Ltd. employed sample checks, methodologies and procedures typical of early 1980's exploration, more sample checks should have been performed for both tantalum and for phosphate. In addition, given the elevated radioactivity at the Verity-Paradise Carbonatite Complex, all samples should have been assayed for uranium.

Surface samples from the 2000 exploration, were collected by employees of Commerce, analyzed by Acme Analytical Laboratories Ltd. of Vancouver, B.C., and examined mineralogically by Knox (2000). The 2001 samples collected by the author were held in chain of custody by the author until they were shipped to Acme Analytical Laboratories Ltd. of Vancouver, B.C., for analysis. For 2000 and 2001 samples, Acme Analytical Laboratories Ltd. analyzed for both whole rock and trace-element constituents by standard ICP techniques.

DATA VERIFICATION

Data verification was limited to the collection of 8 samples from known outcrops and exposures (Appendix 5), as only small portions of the original drill core remain. The results of the foregoing confirm prior results reported by Knox (2000) for tantalum, niobium and phosphate contents for surface samples from both Verity and Fir. Dr. Anthony Mariano has retained representative portions of both mineralized and unmineralized intervals from most of the 1980 and 1981 drill holes, which are described in detail in his report on the Petrology, Mineralogy and Geochemistry of the Blue River Carbonatites (Mariano, 1982). This report directly verified the nature of the mineralization and indirectly verifies the results reported by Ahroon (1980) and Aaquist (1982a and 1982b). Tantalum, niobium and phosphate mineralization at the Verity-Paradise Carbonatite Complex was described by Pell (1987), who collected 16 samples from both the carbonatites and syenites.

MINERAL PROCESSING AND METALLURGICAL TESTING

Although only limited mineral processing and no metallurgical testing has been completed, several important aspects of the tantalum-niobium-phosphate +/- magnetite, uranium, vermiculite, zirconium mineralization of the Verity-Paradise Carbonatite Complex, and the tantalum-niobium-phosphate mineralization of the Fir Carbonatite, include:

1) the carbonatites are hosted by competent, high-grade, gneissic metasedimentary rocks. Although generalized continuity has been demonstrated along a subcrop edge of at least 7,500 m for the Verity-Paradise Carbonatite Complex, local structural complications may include faulting, folding, and distortion of the carbonatite lenses;

2) “The large areal extent of carbonatite exposures, although inarticulated, and the concordancy of these bodies suggest a large tonnage of carbonatite. Because these carbonate bodies are shown to be igneous in origin they must have a virtually unlimited dimension ... It is conceivable that a large portion of the body could be mined by open pit methods.” (Mariano, 1979; p 10-11);

3) “where exposed the carbonatite rocks are weathered to a depth of 3 m or so, resulting in a crumbly carbonate sand” (Mariano, 1979; p 3);

4) the dominant tantalum-bearing mineral(s) are pyrochlore at Verity-Paradise and ferrocolumbite at Fir;

5) the pyrochlore ... “appear as coarse-grained octahedra varying in dimension from 0.1 mm to > 1 cm. They are easily concentrated together with apatite from their host rocks” (Mariano, 1979; p 10);

6) “ferrocolumbite and fersmite ...” can “... occur in small massive concentrations ... which represent confined areas of valuable element concentration” (Mariano, 1982; p. 36); and

7) within the pyrochlores, there appears to be a geochemical correlation between Nb-Ta-U.

8) "... a Ta/Nb bulk concentrate that contains uranium, or uranium and thorium are usually treated by alumina-fusion, from which a high quality Ta/Nb alloy is produced and in great demand. Other methods are also used. (Bulatovic, 2001)."

Specific gravities for samples of beforsite from the Specimen Pit (Verity-Paradise Carbonatite) and for sovite from outcrops of the Fir Carbonatite were tested by the author, as follows:

Sample	Specific Gravity
Beforsite #1 (Specimen Pit)	2.94
Beforsite #2 (Specimen Pit)	2.93
Sovite #1 (Fir Outcrop)	3.12

MINERAL RESOURCE AND MINERAL RESERVE ESTIMATES

Qualified Person

All resource estimates contained herein, were completed by independent consulting geologist James A. McCrea, P.Geo. of Surrey, British Columbia. James McCrea is an independent consulting geologist. He does not hold an interest, direct or indirect, in the property which is the subject of this report. Additional information is provided under the section "Qualifications".

TABLE 8: ESTIMATES OF MINERAL RESOURCES FOR A PORTION OF THE VERITY-PARADISE CARBONATITE COMPLEX

Grade Cut-Offs * ($g/t\ Ta_2O_5$)	Tonnage	Composition		
		Ta_2O_5 (g/t)	Nb_2O_5 (g/t)	P_2O_5 (%)
200	944,000	243	555	3.63
150	3,063,000	196	646	3.20

* Tonnages are cumulative
The specific gravity for Beforsite is 2.93

Resource Estimates

Utilizing Gemcom Software, the author created a block model for the Verity-Paradise Carbonatite Complex (Table 8). The model was based on the 1980 and 1981 exploration programs by Anschutz Mining (Canada) Ltd., it includes information from 30 drill holes totalling 2,060 m, and 715 samples of drill core. Based on the foregoing, near the western end of the Verity Carbonatite Sill, within an area measuring 600 m (vertical) by 630 m (north-south) by 1000 m (east-west) area, an inferred resource of 3.06 Mt containing 196 g/t Ta_2O_5, 646 g/t Nb_2O_5 and 3.20 % P_2O_5 is estimated.

Utilizing a 50 g/t Ta_2O_5 cut off the resource expands to 6.26 Mt grading 137 g/t Ta_2O_5, 511 g/t Nb_2O_5 and

3.38 % P_2O_5. This additional 3.2 Mt is not considered part of the inferred resource. Details of this estimate are provided in Table 8.

Assumptions, Parameters and Methodology

Estimation of resources for the Verity-Paradise Carbonatite Complex were in accordance with NI43-101, and the classification is that of an inferred mineral resource as ascribed by the CIM Standards on Mineral Resources and Reserves Definitions (August 20, 2000; p.7):

> "An Inferred Mineral Resources is that part of a Mineral Resource for which quantity and grade or quality can be estimated on the basis of geological evidence and limited sampling, and reasonably assumed, but not verified geological and grade continuity. The estimate is based on limited information and sampling gathered through appropriate techniques from locations such as outcrops, trenches, pits, workings and drill holes."

In preparation of the resource estimate for the Verity-Paradise Carbonatite Complex, previously compiled information (Knox, 2000) was verified. Any errors in data entry or other information were corrected. This information included survey information, assay results, sample from and to's, and geology. In addition, a specific gravity of 2.93 was used, as determined by the author for samples of beforsite from the Specimen Pit. Core hole locations were surveyed by transit and tape, and reported with a local co-ordinate system (Ahroon, 1980; Aaquist, 1982a). All core holes were NQ-size. Core recoveries of the mineralized carbonatite averaged approximately 95 percent (Ahroon, 1980). Digital topographic data was obtained from Land Data, British Columbia (Government of British Columbia), for use in constructing this model.

A solid model was first constructed by joining correlatable horizons of beforsite carbonatite (ie. the main Verity Sill) between drill holes using 3-dimensional polylines. The foregoing correlations were completed on 25-m spaced sections with orientations of 120°. Once complete, the sectional polylines were stitched together to form a 3D solid body model of the carbonatite. Each drill hole was composited to 1½ m intervals inside of the carbonatite sill. The solid model was used to create a rock type model and a density model for the resource estimate.

The deposit was block modeled utilizing 10x10x10 m blocks, all within a 600 m (veritical) by 630 m (north-south) by 1000 m (east-west) area. The grades of the blocks were interpolated using inverse-distance squared with a 75 m search radius. Results are summarized in Table 8. A 75-m search radius was deemed appropriate because of the high-degree of geologic continuity and consistency of grade. This radius was sufficient to interpolate the blocks between successive drill fences, without projecting grade an unrealistic distance.

Outstanding Issues

There are currently no known environmental, permitting, legal, title, taxation, socio-economic, or political issues that adversely affect the mineral resource described herein. Pertinent guidelines or regulations which govern uranium exploration in British Columbia are outlined within "Mineral Exploration Code: Part 11.13" of the "Health, Safety and Reclamation Code for Mines in British Columbia, May 1998". The code essentially discusses the safe exploration for uranium and thorium. If a sample with more than 0.0500 percent uranium is located, the chief inspector is to be informed. The highest uranium content of any samples from exploration programs conducted between 1979 and 2001 is 0.0422 percent.

The author has not investigated, in detail, marketing of a mineral concentrate from either the Verity-Paradise Carbonatite Complex or the Fir Carbonatite. However, Bulatovic (2001) indicates that a high-value product can be produced from mineral concentrates similar to the Verity-Paradise pyrochlores:

> "... a Ta/Nb bulk concentrate that contains uranium or uranium and thorium are usually treated by alumina-fusion, from which a high quality Ta/Nb alloy is produced and in great demand. Other methods are also used.

Cunningham (2001a) projects US apparent consumption at about 700 metric tons contained Ta_2O_5 for fiscal year 2001. This growth rate is robust, considering US consumption for 1999 totalled 564 tons. Apparent US consumption for contained Nb_2O_5 for fiscal year 2001 is estimated at 4,300 metric tons (Cunningham, 2001b).

Mining, Metallurgy and Infrastructure

As previously discussed the Verity-Paradise Carbonatite Complex and the Fir Carbonatite are well located. Both are accessible via logging roads which lead from Highway 5, which is a short distance west of the property. Also, the main line of the Canadian National Railway passes through the western parts of the property, while the rail-siding at Lempriere Station is located a few kilometres to the north of the Verity group of claims. A B.C. Hydro line passes through the western part of the Verity claim group and the central part of the Fir claim group.

According to Knox (2000; p. 16)

> "The Verity Carbonatite forms a shallow dipping sill on a steep, west-facing slope, of the Monashee Mountains. Here, it forms a partial dip slope with an approximately orientation of 148°/20° to 30° SW. The main sill is between 15 and 31 m thick (Ahroon, 1980) and is apparently disrupted by faulting to the south (Aaquist, 1982b). Based upon the foregoing, the geologic complexity is considered moderate."

Parts of the foregoing inferred mineral resource within the western part of the Verity-Paradise Carbonatite Complex could represent a potentially 'open-pittable resource', as the carbonatite sill partially mimics the topographic surface.

As discussed within the section entitled "Mineral Processing and Metallurgical Testing" certain aspects of the Verity-Paradise Carbonatite Complex can be inferred from the known geology. These include simple mineralogy, consisting of generally coarse-grained pyrochlore within a variable deeply weathered to soft carbonatite host rock.

Although no metallurgical testwork has been completed, the uraniferous pyrochlore material typical of the Verity-Paradise Carbonatite Complex, is usually treated by alumina-fusion methods (Bulatovic, 2001). Complex tantalum-bearing ores appear more typical of pegmatitic deposits. For instance, at the Greenbushes Pegmatite in Australia (Partington, 1995; p. 625)

> "Ore mineralogical studies identified more than ten Ta-bearing phases, including Ta ilmenite and Ta rutile (struverite). Cassiterite is the main Sn-bearing phase, which occurs as euhedral swallow-tailed crystals. ... Early formed tantalum minerals, mainly wodginite and ixiolite, occur as inclusions within cassiterite and tourmaline crystals. ... Characterisitic ore zone accessories associated with the early crystallized mineralization include zircon, monazite, uranite, and probabe euxite."

Reported recoveries for operations within different tantalum pegmatites include 64% to 73% for the Wodgina Mine, Australia, and 72% to 74% for the Tanco Mine, Canada (Roskill, 1999). As there is no current primary tantalum production from carbonatites, comparable recovery data is not available. It must be noted however, that a majority of the world's niobium production is from pyrochlore bearing carbonatites such as Araxa (Brazil), Catalao I (Brazil), and Niobec (Canada).

Metal Prices

Recent prices for Ta_2O_5 ore are estimated at $125.00 US / lb (Northern Miner, June 11-17, 2001) and for Nb_2O_5 $6.00 US / lb. The average value for phosphate rock for 2000 was $26.16 US / tonne, f.o.b. mine (Jasinski, 2001).

INTERPRETATION AND CONCLUSIONS

The Blue River Property is a property of merit. Based upon a review of exploration results for the property, in conjunction with positive results from an examination by the author, the potential for the discovery of economic concentrations of tantalum is considered exceptional.

The Verity-Paradise Carbonatite Complex is host to an estimated inferred resource of 3.06 Mt containing 196 g/t Ta_2O_5, 646 g/t Nb_2O_5 and 3.20 % P_2O_5, within an area measuring 600 m (veritical) by 630 m (north-south) by 1000 m (east-west) near its western end. Parts of which are potentially an ‘open-pittable resource’, as the carbonatite sill partially mimics the topographic surface. The resource remains open for expansion. Surface sampling and mapping has shown the Verity-Paradise Carbonatite Complex to continue for some 5,500 m further to the east, where it is up to 30 m thick. Along this trend, prior surface samples of nil to up to 2930 g/t Ta_2O_5 are reported. The tantalum and niobium mineralogy appears relatively simple, and is dominated by coarse-grained, pyrochlore and uraniferous pyrochlore, ferrocolumbite and fersmite within a deeply weathered to soft carbonatite host. The phosphate is within coarse-grained, ovoid apatite. Elevated concentrations of uranium at Verity-Paradise should not pose any significant processing problems. The Fir Carbonatite, with the highest reported tantalum grades, is up to 75 m thick and near flat-lying. It has been intersected by four drill holes and traced (on surface) along a strike length of about 400 m. Significant prior drill results include: Hole BC-19 with 8.2 m of 318 g/t Ta_2O_5, 1400 g/t Nb_2O_5 and 3.15 percent P_2O_5. The apparently simple mineralogy of the Fir Carbonatite includes ferrocolumbite and pyrochlore in a ratio of approximately 20 : 1 (columbite : pyrochlore), with very low to negligible uranium. Given the foregoing, this carbonatite body has potential for exceptional grades and tonnages.

RECOMMENDATIONS

An exploration program of advanced exploration at the Verity-Paradise Carbonatite Complex and at the Fir Carbonatite is recommended. The exploration progam is estimated to cost $300,000, not including GST.

Verity-Paradise Carbonatite Complex

Further exploration of the Verity-Paradise Carbonatite Complex should include:

a) completion of the exploration - geophysical grid over the carbonatite complex,

b) collection of numerous detailed survey points (GPS), to create a more detailed topographic surface,

c) collection of a bulk sample (about 300 kg) for testing of bulk chemistry and for mineralogical and metallurgical processing,

d) continued exploratory drilling upslope from those areas previously drill tested by Anschutz Mining (Canada) Ltd. Future exploratory drilling should be on about 100-m centres.

Fir Carbonatite Complex

Further exploration of the Fir Carbonatite should include:

a) collection of numerous detailed survey points (GPS), to create a more detailed topographic surface,

c) collection of a bulk sample (about 300 kg) for testing of bulk chemistry and for mineralogical and metallurgical processing,

d) exploratory drilling of 8 holes, 100 m east of the Fir Carbonatite, and spaced on 100-m centres (north-south).

After a review of the results from the foregoing programs, positive results should be followed with infill drilling and the re-evaluation of known resources.

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QUALIFICATIONS

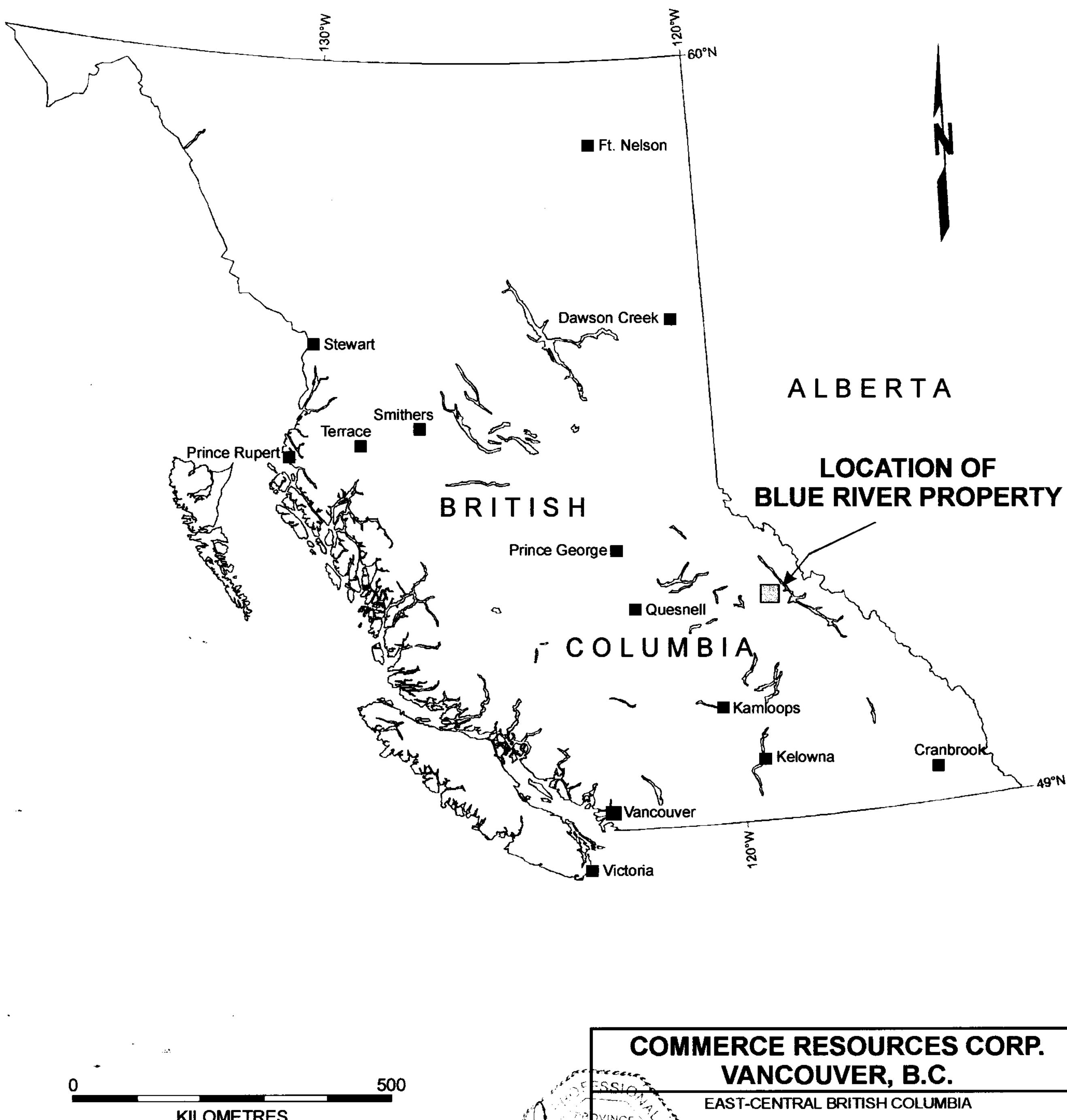
I, James A. McCrea, am a Professional Geoscientest residing at 306 - 10743 139th Street, Surrey, British Columbia do state that:

- I have a B.Sc. In Geology from the University of Alberta, 1988.
- I have been working as a geologist continuously since graduation, for the past 13 years.
- I am a Registered Professional Geoscientest (P.Geo.), Practicing, with the Association of Professional Engineers and Geoscientests of B.C. (Licence# 21450)
- I have been a consultant resource geologist for the late five years and I have completed numerous resource calculations similar to this one.
- I am a "qualified person" for the purposes of NI 43-101.
- I visited the property and collected samples from the Verity - Paradise and Fir carbonatites from May 25 to 27, 2001.
- I am responsible for all sections of the report titled Summary Report on the Blue River Carbonatite Property.
- I am not aware of any material fact or material change related to this report that is not reflected in the technical report.
- I am an independent consultant with no promised or implied affiliation with Commerce Resources Corp. subject to the tests set out in section 1.5 of NI 43-101.
- I have had no prior involvement with the Blue River Carbonatite Property before I visited it in May, 2001.
- I have read National Instrument 43-101 and Form 43-101F1 and the technical report has been prepared in compliance with this Instrument and Form 43-101F1.

"James A. McCrea"

James A. McCrea, B.Sc., P.Geo.
APEGBC Licence # 21450

F1



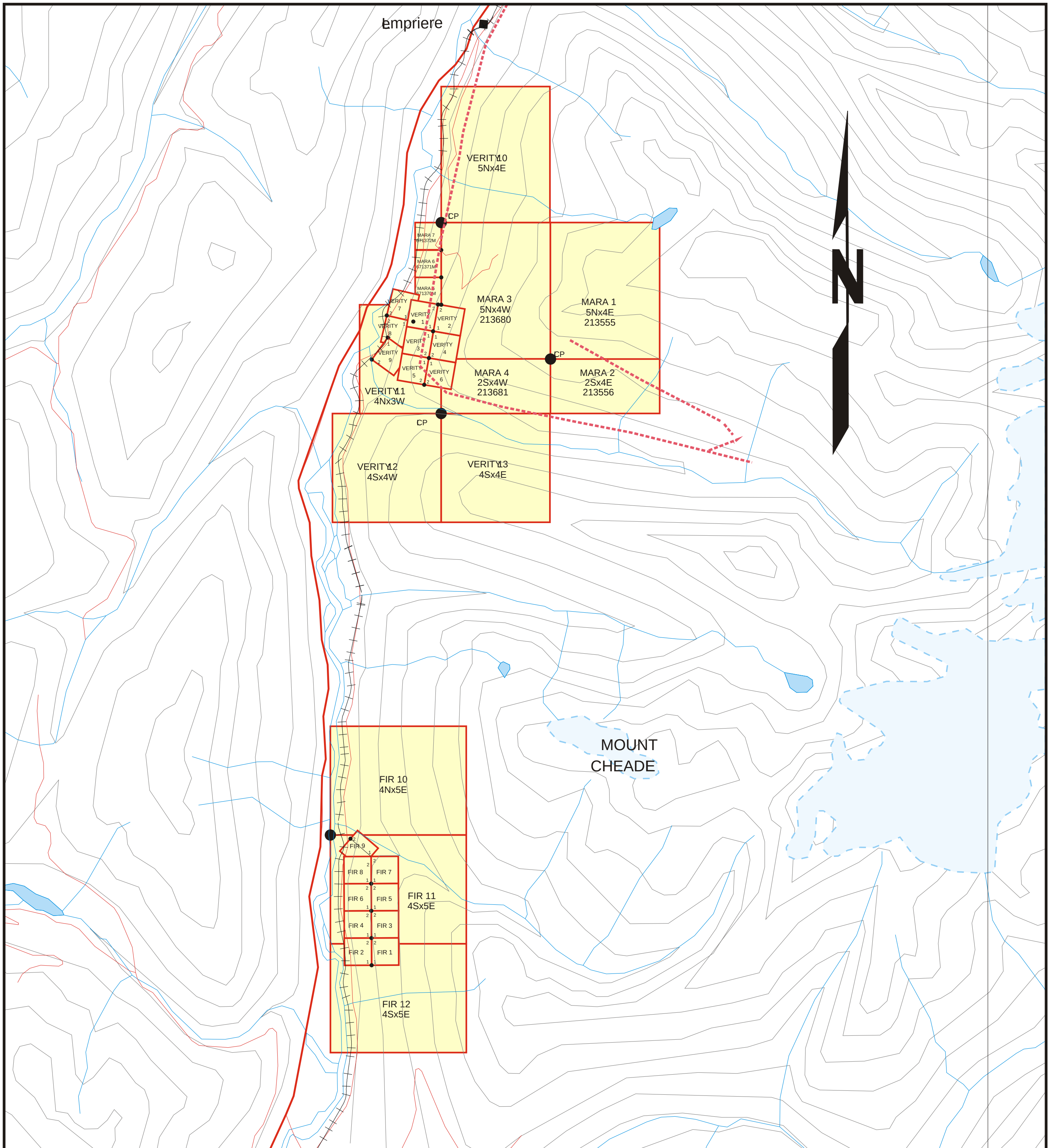
COMMERCE RESOURCES CORP.
VANCOUVER, B.C.

EAST-CENTRAL BRITISH COLUMBIA

Figure 1

Blue River Property Location

WM	2001.06



SYMBOLS

Claim of Commerce Resources Corp.

CN Rail Line

Access Road

Secondary Road or Trail

Major Highway

0 5 10 km

Scale: 1:100 000

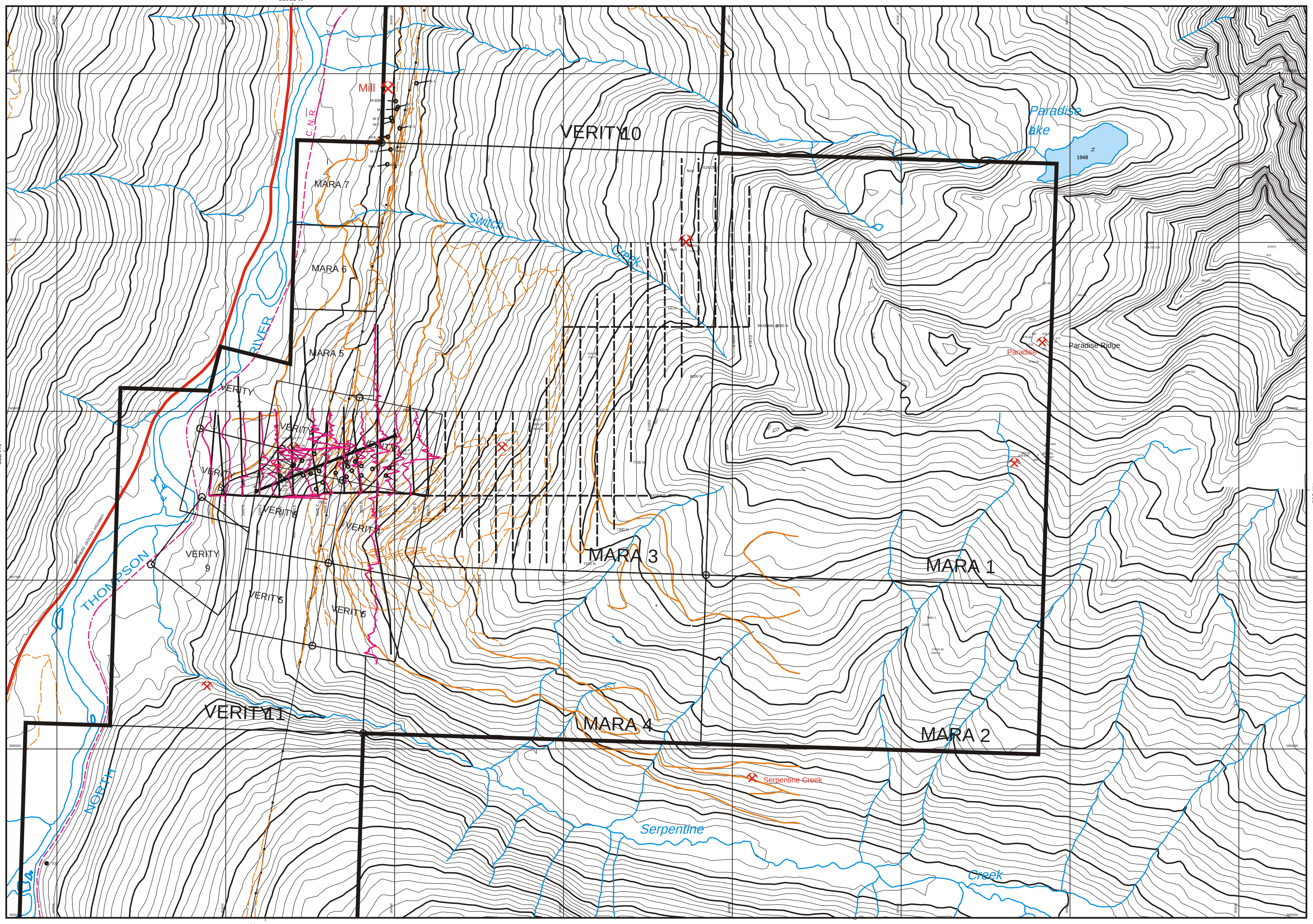
COMMERCE RESOURCES CORP.

Vancouver, British Columbia

EAST-CENTRAL BRITISH COLUMBIA

Figure 2
Blue River Property
Claim Map

WM 2001.06



Approximate Mean Declination 1996
Decreasing 7.9' Annually

14°7'

20°59'

NOTE

1) Geology modified after Aaquist (1982a).
2) UTM grid is North American Datum, 1983 (NAD83).

SYMBOLS

Geological boundary (approximate)
Fault (approximate)
Foliation (inclined) 23
Paved road
Gravel road
Elevation contour (interval: 20 m)
Core hole; number 24
Geophysical survey line, cut and flagged
Geophysical survey line, flagged
Geophysical survey line, proposed
Magnetic profile, total field (nT)
Power line
Sample pit; sample numbers 11827-31

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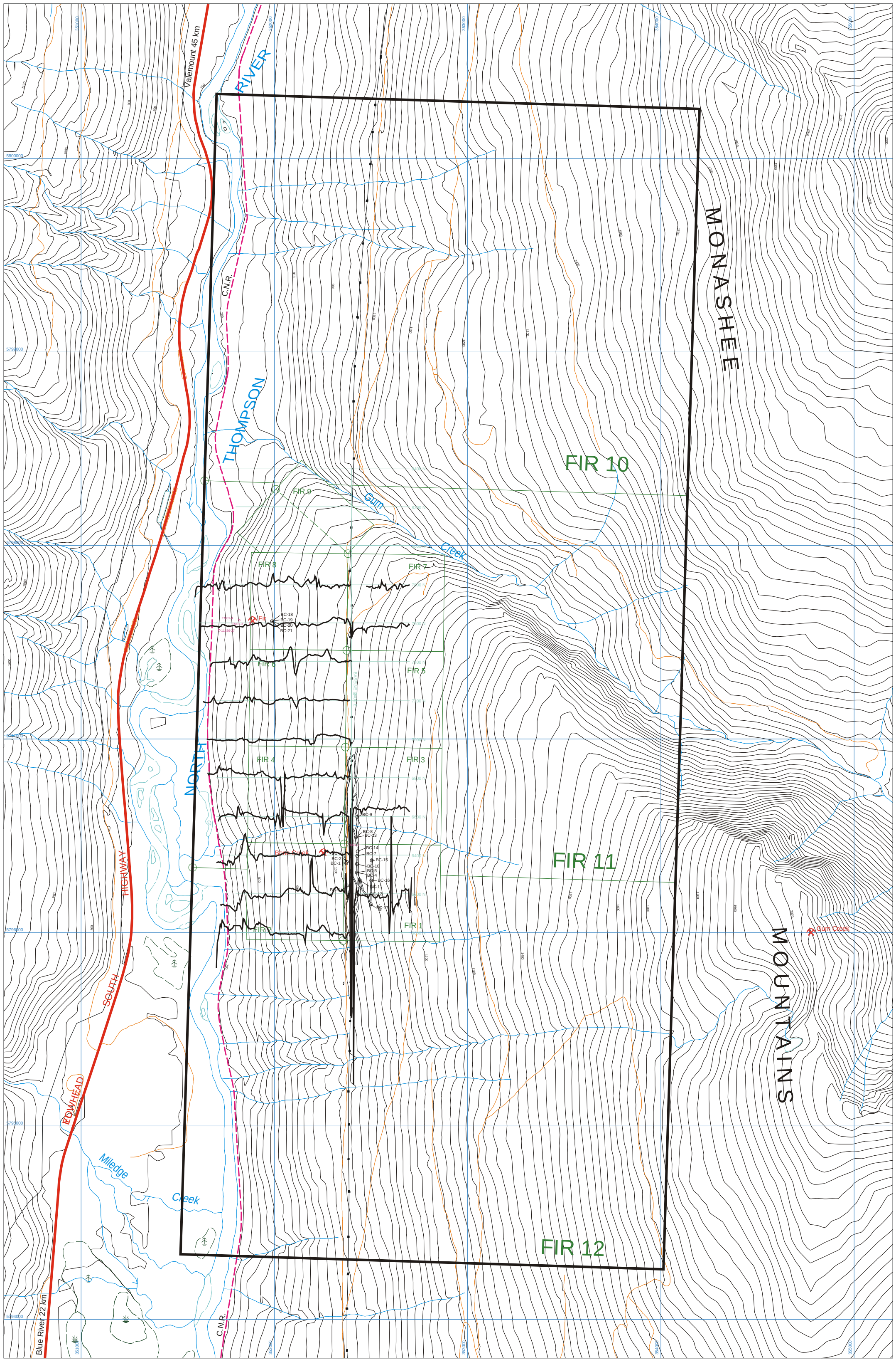
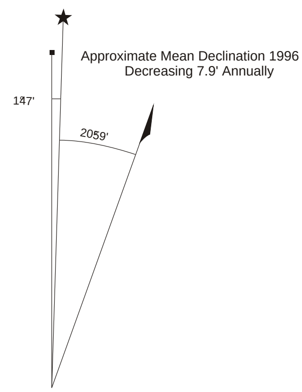
Figure 3
Verity Claim Group,
Ground Magnetics,
Drill Hole and Sample Locations

0 500 1000 m
Scale: 1:10,000
WM
2001.06





SYMBOLS

Mineral deposit or showing	
Drill hole location; number	BC-15
Rock sample location; sample numbers	11836-37
Paved Highway	
Gravel Road or Trail	
Railway	
Mineral claim boundary; name	FIR 8
Property boundary	
Claim post location	
Geophysical survey line, cut and flagged	
Geophysical survey line, flagged	
Geophysical survey line, proposed	
Magnetic profile, total field (nT)	
Power line	

NOTES

1) Topographic basemap is part of Land Data British Columbia 1:20,000 scale TRIM maps 83D025 and 83D035.

2) Grid shown is UTM (NAD83).

3) Contour interval is 20 metres.

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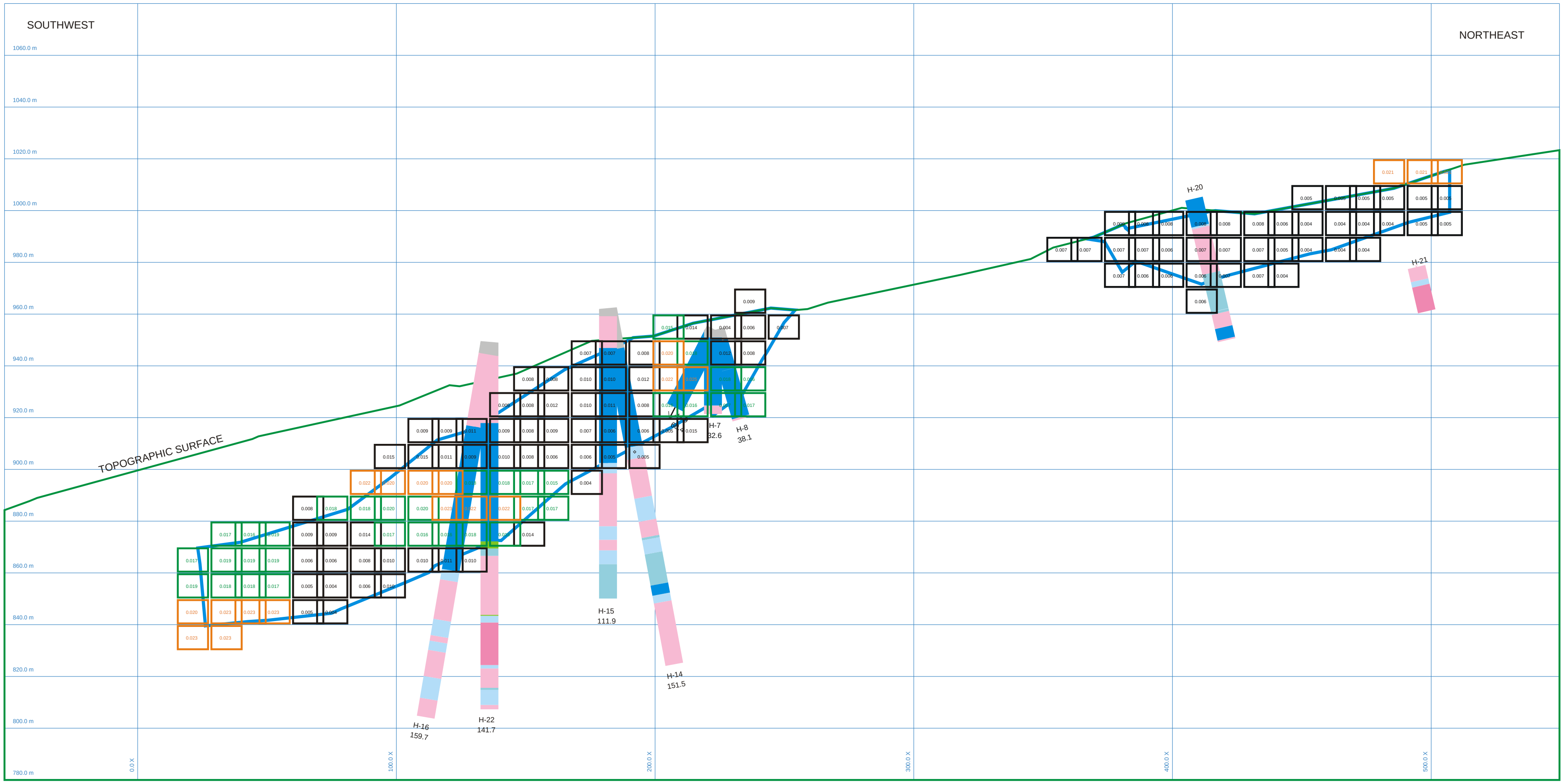
Figure 4
Fir Claim Group,
Ground Magnetics,
Drill Hole and Sample Locations

0 500 1000 m

Scale: 1:10,000

WM

2001.06



0 100 m

SCAE: 1:1000

Drill Trace Symbols

- Casing
- Beforsite
- Sovite
- Interlayered carbonatite and gneiss
- Gneiss
- Amphibolite
- Qartz-Feldspar dyke

NOTES

1) See figure 3 for location of section.

2) Plane of section is 68° w.r.t. grid north.

3) Block model grades are per cent Ta_2O_5.

4) Section is oblique to block model; hence blocks appear to overlap in this view.

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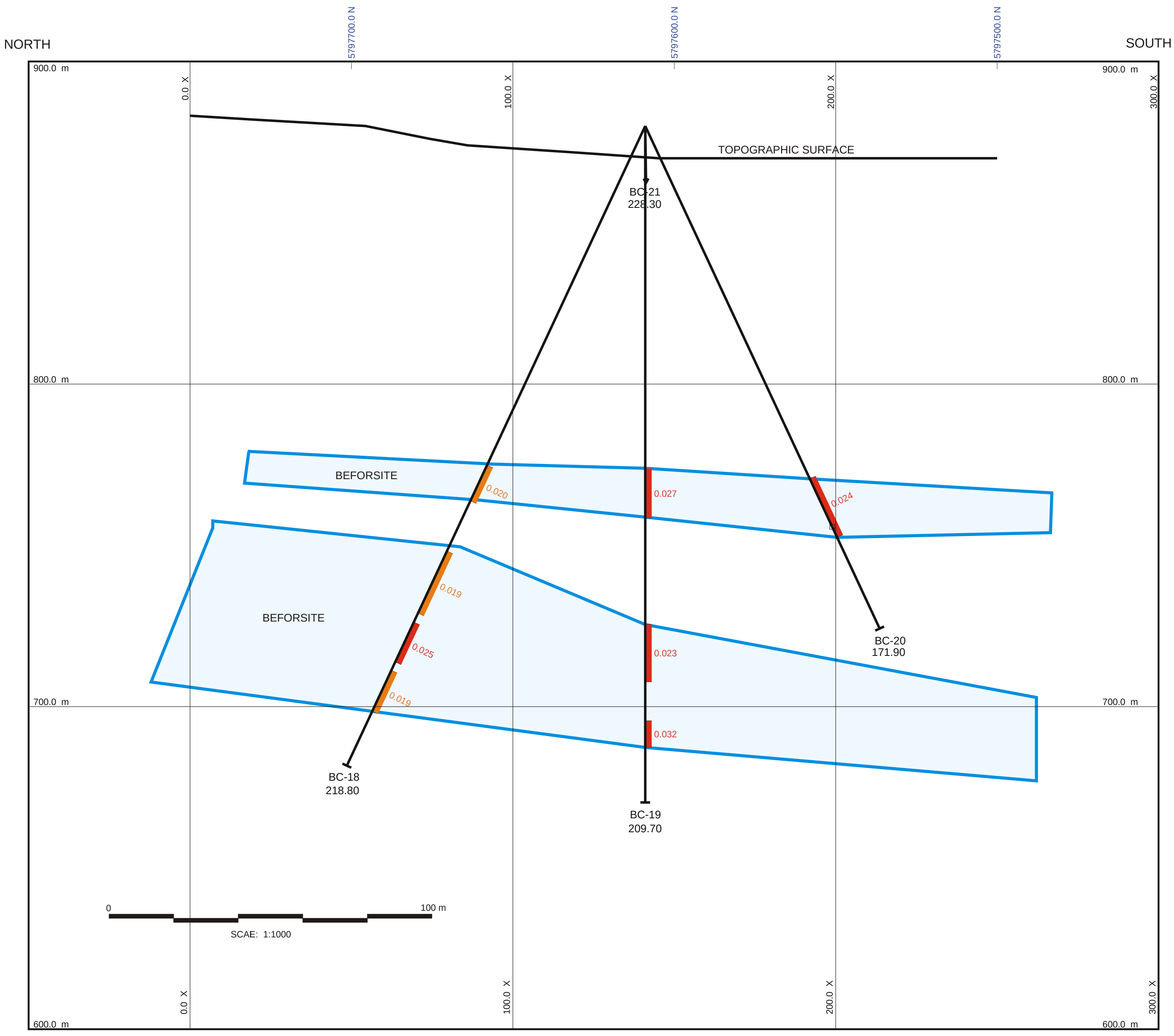
VERITY PROPERTY BRITISH COLUMBIA

Figure 5
Verity Claim Group,
Cross-Section

WM 2001.06



NOTES

1) See figure 4 for location of core holes.

2) Plane of section is north-south.

3) Intervals shown are composite samples with assays in per cent Ta_2O_5.

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VERITY PROPERTY, BRITISH COUMBIA

Figure 6
Fir Claim Group,
Cross-Section

WM 2001.06

BUDGET FOR RECOMMENDED EXPLORATION

Appendix 1:

Wages / Accomondations	Monthly Rate			Totals
Project Manager $400 per day	$8,800.00	x 3 months	$26,400.00	
Includes Report Writing				
Junior Geologist $250 per day	$5,500.00	x 4 months	$22,000.00	
Includes Report Writing, plotting and drafting				
Field Assistant $140 per day	$3,080.00	x 3 months	$9,240.00	
Food and Lodging	$3,250.00	x 4 months	$13,000.00	
(2 to 3 people)				
	Sub Total - Wages		**$70,640.00**	**$70,640.00**
Bulk Sampling				
Dr. Mariano $800 per day for 10 days			$8,000.00	
Includes Report Writing				
Bulk Sampling Testing			$20,000.00	
Shipping, 600 kilograms			$3,000.00	
	Sub Total - Bulk Sampling		**$31,000.00**	**$31,000.00**
Supplies, Equipment			**$3,800**	**$3,800.00**
Geophysical Equipment	$3,760.00	x 1 month	**$3,760.00**	**$3,760.00**
(rental of magnometer)				
Truck Rental	$2,200.00	x 4 months	**$8,800**	**$8,800.00**
250 kilometers per day				
Diamond Drilling				
2300 meters x $60			$138,000.00	
Road Work 250 hours X $80			$20,000.00	
Assays 750 X $30			$22,500.00	
(includes detailed and regional mapping)				
	Sub Total - Diamond Drilling		**$180,500.00**	**$180,500.00**
	Total			**$298,500.00**

Note - Does not include GST

APPENDIX 2A: LOCATIONS OF THE 1980 AND 1981 CORE HOLES AT THE BLUE RIVER PROPERTY

Notes: Modified after Ahroon (1980) and Aaquist (1982).

Hole	Date Completed	Property Grid* East	Property Grid* North	UTM (NAD83) East	UTM (NAD83) North	Elev. (m)	Depth (m)	Dip	Dip Direction
Mill Carbonatite									
M-1	Oct., 1980	-	-	353,966	5,809,465	820	53.6	-51	90
M-2	Oct., 1980	-	-	354,002	5,809,560	825	47.1	-90	360
M-3	Oct., 1980	-	-	353,999	5,809,548	823	22.3	-51	62
M-4	Oct., 1980	-	-	353,957	5,809,463	815	16.8	-51	90
M-5	Oct., 1980	-	-	353,976	5,809,551	811	19.2	-51	90
M-6	Oct., 1980	-	-	353,960	5,809,627	800	49.1	-52	85
M-7	Oct., 1980	-	-	353,987	5,809,719	809	32.5	-51	75
M-8	May, 1981	50,380	52,000	354,013	5,809,790	809	24.4	-60	90
M-8A	May, 1981	50,380	52,001	354,020	5,809,803	809	66.8	-60	90
M-9	May, 1981	50,455	51,900	354,031	5,809,677	806	76.2	-60	90
Verity Carbonatite									
H-1	June, 1980	49,718	49,781	353,321	5,807,619	865	28.0	-90	360
H-2	June, 1980	49,718	49,782	353,321	5,807,620	865	45.1	-75	50
H-3	June, 1980	49,791	49,840	353,395	5,807,676	885	31.1	-90	360
H-4	June, 1980	49,791	49,839	353,395	5,807,676	885	36.9	-50	138
H-5	June, 1980	49,919	49,914	353,524	5,807,749	913	19.2	-90	360
H-6	June, 1980	49,919	49,912	353,524	5,807,747	913	20.5	-50	160
H-7	June, 1980	49,930	49,831	353,533	5,807,666	954	32.6	0	360
H-8	June, 1980	49,930	49,832	353,534	5,807,667	954	38.1	-65	14
H-9	July, 1980	49,931	49,830	353,535	5,807,665	954	60.4	-90	360
H-10	July, 1980	50,054	49,802	353,651	5,807,634	1010	82.6	-60	360
H-11	July, 1980	50,116	49,868	353,714	5,807,699	1018	19.5	-90	360
H-12	July, 1980	50,117	49,866	353,714	5,807,698	1018	21.0	-60	340
H-13	July, 1980	50,169	49,872	353,766	5,807,703	1036	32.3	-90	360
H-14	May, 1981	49,900	49,796	353,503	5,807,631	962	151.5	-65	360
H-15	May, 1981	49,900	49,796	353,503	5,807,631	962	111.9	-90	360
H-16	June, 1981	49,855	49,785	353,458	5,807,621	949	159.7	-65	315
H-17	June, 1981	49,847	49,872	353,451	5,807,708	898	86.9	-60	360
H-18	June, 1981	49,798	49,845	353,402	5,807,682	886	87.5	-60	360
H-19	June, 1981	50,143	49,816	353,747	5,807,648	1048	105.2	-60	20
H-20	June, 1981	50,121	49,841	353,725	5,807,673	1031	89.0	-60	360
H-21	June, 1981	50,200	49,845	353,804	5,807,676	1048	101.5	-60	360
H-22	July, 1981	49,855	49,785	353,458	5,807,621	949	141.7	-90	360
H-23	July, 1981	49,950	49,812	353,554	5,807,647	969	115.5	-75	360
H-24	Aug., 1981	50,265	49,829	353,869	5,807,659	1076	55.5	-70	360
H-25	Aug., 1981	50,200	49,789	353,803	5,807,620	1071	63.4	-75	360
H-26	Aug., 1981	50,112	49,780	353,715	5,807,612	1047	93.3	-75	360
H-27	Aug., 1981	49,972	49,744	353,574	5,807,579	998	99.1	-90	360
H-28	Aug., 1981	49,933	49,704	353,535	5,807,539	1001	90.8	-90	360
H-29	Aug., 1981	50,364	49,836	353,968	5,807,664	1101	15.5	-75	360
H-30	Sept., 1981	50,346	49,790	353,949	5,807,619	1107	24.4	-75	360

APPENDIX 2A: CONTINUED

Hole	Date Completed	Property Grid* East	Property Grid* North	UTM (NAD83) East	UTM (NAD83) North	Elev. (m)	Depth (m)	Dip	Dip Direction
Bone Creek and Fir Carbonatites									
BC-1	July, 1980	49,078	38,487	352,373	5,796,355	1024	31.1	-60	360
BC-2	July, 1980	49,082	38,497	352,377	5,796,365	1024	19.2	-45	85
BC-3	July, 1980	49,079	38,496	352,374	5,796,364	1024	18.9	-60	83
BC-4	July, 1980	49,133	38,441	352,428	5,796,309	1050	34.1	-70	325
BC-5	July, 1980	49,135	38,441	352,430	5,796,309	1050	30.2	-90	0
BC-6	Oct., 1980	49,099	38,372	352,394	5,796,240	1031	17.1	-90	0
BC-7	Oct., 1980	49,135	38,527	352,430	5,796,395	1056	37.5	-90	0
BC-8	Oct., 1980	49,125	38,628	352,420	5,796,496	1052	58.5	-90	0
BC-9	Oct., 1980	49,132	38,828	352,427	5,796,696	1054	4.0	-90	0
BC-10	Oct., 1980	49,132	38,486	352,427	5,796,354	1053	34.4	-90	0
BC-11	Oct., 1980	49,140	38,400	352,435	5,796,268	1049	19.2	-90	0
BC-12	Oct., 1980	49,134	38,319	352,429	5,796,187	1045	11.6	-90	0
BC-13	July, 1981	49,125	38,626	352,420	5,796,494	1052	90.2	-90	0
BC-14	July, 1981	49,135	38,550	352,430	5,796,418	1057	39.9	-90	0
BC-15	July, 1981	49,209	38,505	352,504	5,796,373	1092	127.1	-90	0
BC-16	July, 1981	49,208	38,400	352,503	5,796,268	1085	78.6	-90	0
BC-17	July, 1981	49,207	38,278	352,502	5,796,146	1077	45.1	-90	0
BC-18	Aug., 1981	48,682	39,741	351,977	5,797,609	880	218.8	-65	360
BC-19	Aug., 1981	48,682	39,741	351,977	5,797,609	880	209.7	-90	0
BC-20	Sept., 1981	48,682	39,741	351,977	5,797,609	880	171.9	-65	180
BC-21	Sept., 1981	48,682	39,741	351,977	5,797,609	880	228.3	-65	90

APPENDIX 2B: ANALYTICAL RESULTS FOR THE 1980 AND 1981 CORE HOLES AT THE BLUE RIVER PROPERTY

Notes: Modified after Ahroon (1980) and Aaquist (1982).

Drillhole	Sample Number	From (m)	To (m)	Interval (m)	Ta ppm	Ta %	Ta_2O_5 %	Nb ppm	Nb %	Nb_2O_5 %	P_2O_5 %	Nb:Ta
Mill Carbonatite												
M-1	B2	18.90	20.42	1.52	19	0.002	0.002	50	0.005	0.007	3.98	2.6
M-1	B3	20.42	21.12	0.70	44	0.004	0.005	130	0.013	0.019	3.74	3.0
M-1	B3	25.22	26.40	1.17	10	0.001	0.001	90	0.009	0.013	0.57	9.0
M-1	B4	26.37	28.04	1.68	38	0.004	0.005	170	0.017	0.024	1.85	4.5
M-1	B4	28.04	29.57	1.52	102	0.010	0.012	790	0.079	0.113	2.76	7.7
M-1	B4	29.57	31.09	1.52	50	0.005	0.006	90	0.009	0.013	3.40	1.8
M-1	B4&5	31.09	32.61	1.52	91	0.009	0.011	250	0.025	0.036	4.62	2.7
M-1	B5	32.61	34.14	1.52	53	0.005	0.006	2000	0.200	0.286	3.47	37.7
M-1	B5	34.14	35.66	1.52	134	0.013	0.016	1200	0.120	0.172	2.83	9.0
M-1	B5	35.66	37.19	1.52	200	0.020	0.024	1600	0.160	0.229	3.93	8.0
M-1	B5&6	37.19	38.71	1.52	239	0.024	0.029	1100	0.110	0.157	3.67	4.6
M-1	B6	38.71	40.02	1.31	170	0.017	0.021	830	0.083	0.119	4.04	4.9
M-2	B1	0.00	1.52	1.52	19	0.002	0.002	50	0.005	0.007	5.53	2.6
M-2	B1	1.52	3.05	1.52	21	0.002	0.003	70	0.007	0.010	2.58	3.3
M-2	B3	17.68	19.23	1.55	39	0.004	0.005	60	0.006	0.009	4.00	1.5
M-2	B5	29.87	31.39	1.52	895	0.090	0.109	330	0.033	0.047	4.40	0.4
M-2	B6	31.39	32.92	1.52	79	0.008	0.010	310	0.031	0.044	2.28	3.9
M-2	B6	32.92	34.44	1.52	124	0.012	0.015	250	0.025	0.036	0.96	2.0
M-2	B6	34.44	35.97	1.52	35	0.004	0.004	150	0.015	0.021	2.02	4.3
M-2	B6	35.97	37.49	1.52	11	0.001	0.001	470	0.047	0.067	4.62	42.7
M-2	B7	37.49	39.01	1.52	73	0.007	0.009	730	0.073	0.104	3.69	10.0
M-2	B7	36.58	40.54	3.96	110	0.011	0.013	2400	0.240	0.343	3.38	21.8
M-2	B7	40.54	42.06	1.52	9	0.001	0.001	110	0.011	0.016	1.76	12.2
M-2	B7	42.06	43.59	1.52	143	0.014	0.017	980	0.098	0.140	3.51	6.9
M-2	B7	43.59	45.11	1.52	238	0.024	0.029	1400	0.140	0.200	3.11	5.9
M-2	B8	45.11	46.73	1.62	7	0.001	0.001	100	0.010	0.014	3.62	14.3
M-3	Sand San	9.75	12.80	3.05	44	0.004	0.005	70	0.007	0.010	-	1.6
M-3	Sand San	12.80	15.85	3.05	28	0.003	0.003	80	0.008	0.011	-	2.9
M-3	Sand San	15.85	18.90	3.05	21	0.002	0.003	50	0.005	0.007	-	2.4
M-3	B1	6.71	8.53	1.83	52	0.005	0.006	120	0.012	0.017	-	2.3
M-3	B1	8.53	19.20	10.67	37	0.004	0.005	150	0.015	0.021	-	4.1
M-4	B1	1.83	3.96	2.13	51	0.005	0.006	230	0.023	0.033	3.92	4.5
M-4	B1	3.96	5.49	1.52	121	0.012	0.015	270	0.027	0.039	2.98	2.2
M-4	B1	5.49	6.71	1.22	105	0.011	0.013	480	0.048	0.069	3.78	4.6

APPENDIX 2B: CONTINUED

Drillhole	Sample Number	From (m)	To (m)	Interval (m)	Ta ppm	Ta %	Ta_2O_5 %	Nb ppm	Nb %	Nb_2O_5 %	P_2O_5 %	Nb:Ta
M-5	B1	1.83	3.96	2.13	106	0.011	0.013	150	0.015	0.021	4.19	1.4
M-5	B1	3.96	5.49	1.52	111	0.011	0.014	680	0.068	0.097	3.62	6.1
M-5	B1	5.49	7.01	1.52	150	0.015	0.018	200	0.020	0.029	5.36	1.3
M-5	B1	7.01	8.53	1.52	61	0.006	0.007	160	0.016	0.023	4.16	2.6
M-5	B1	8.53	10.06	1.52	196	0.020	0.024	660	0.066	0.094	3.56	3.4
M-5	B2	10.06	11.58	1.52	101	0.010	0.012	200	0.020	0.029	3.08	2.0
M-5	B2	11.58	13.11	1.52	12	0.001	0.001	160	0.016	0.023	3.00	13.3
M-5	B2	13.11	14.63	1.52	30	0.003	0.004	120	0.012	0.017	4.64	4.0
M-5	B2&3	14.63	15.85	1.22	73	0.007	0.009	130	0.013	0.019	3.78	1.8
M-6	B1	4.70	5.79	1.09	12	0.001	0.001	20	0.002	0.003	4.26	1.7
M-6	B1	5.79	7.01	1.22	18	0.002	0.002	80	0.008	0.011	3.64	4.4
M-6	B1	7.01	8.53	1.52	9	0.001	0.001	30	0.003	0.004	4.82	3.3
M-6	B1	8.53	10.06	1.52	28	0.003	0.003	80	0.008	0.011	3.37	2.9
M-6	B2	10.06	11.58	1.52	20	0.002	0.002	-	-	-	-	-
M-6	B2	11.58	13.11	1.52	34	0.003	0.004	50	0.005	0.007	4.28	1.5
M-6	B2	13.11	14.63	1.52	18	0.002	0.002	70	0.007	0.010	3.81	3.9
M-6	B2	14.63	16.15	1.52	19	0.002	0.002	100	0.010	0.014	3.46	5.3
M-6	B3	16.15	17.68	1.52	18	0.002	0.002	30	0.003	0.004	4.41	1.7
M-6	B3	17.68	19.20	1.52	13	0.001	0.002	20	0.002	0.003	3.77	1.5
M-6	B3	19.20	20.73	1.52	39	0.004	0.005	90	0.009	0.013	3.25	2.3
M-6	B4	20.73	22.25	1.52	46	0.005	0.006	100	0.010	0.014	2.40	2.2
M-6	B4	22.25	23.77	1.52	25	0.003	0.003	160	0.016	0.023	3.25	6.4
M-6	B4	23.77	25.30	1.52	42	0.004	0.005	110	0.011	0.016	2.20	2.6
M-6	B4	25.30	26.82	1.52	161	0.016	0.020	190	0.019	0.027	3.27	1.2
M-6	B5	26.82	28.35	1.52	85	0.009	0.010	150	0.015	0.021	4.05	1.8
M-6	B5	28.35	29.87	1.52	78	0.008	0.010	12	0.001	0.002	3.36	0.2
M-6	B5	29.87	31.39	1.52	38	0.004	0.005	60	0.006	0.009	4.37	1.6
M-6	B5&6	31.39	32.92	1.52	67	0.007	0.008	110	0.011	0.016	4.62	1.6
M-6	B6	32.92	34.44	1.52	59	0.006	0.007	100	0.010	0.014	2.57	1.7
M-6	B6	34.44	35.97	1.52	114	0.011	0.014	130	0.013	0.019	3.51	1.1
M-7	B1	13.72	16.15	2.44	22	0.002	0.003	50	0.005	0.007	4.04	2.3
M-7	B1&2	16.15	18.29	2.13	16	0.002	0.002	50	0.005	0.007	3.67	3.1
M-7	B2	18.29	20.73	2.44	50	0.005	0.006	110	0.011	0.016	2.83	2.2
M-7	B2	20.73	22.25	1.52	47	0.005	0.006	130	0.013	0.019	2.81	2.8
M-8	3002	16.10	16.80	0.70	44	0.004	0.005	210	0.021	0.030	1.88	4.8
M-8	3003	16.80	17.20	0.40	15	0.002	0.002	70	0.007	0.010	5.50	4.7
M-8	3004	17.20	18.20	1.00	8	0.001	0.001	70	0.007	0.010	0.69	8.7
M-8	3005	18.20	19.20	1.00	55	0.006	0.007	210	0.021	0.030	3.43	3.8
M-8	3006	19.20	19.45	0.25	13	0.001	0.002	210	0.021	0.030	3.19	16.1
M-8	3007	19.45	20.30	0.85	57	0.006	0.007	210	0.021	0.030	2.93	3.7
M-8	3008	20.30	21.80	1.50	22	0.002	0.003	280	0.028	0.040	0.89	12.7
M-8	3009	21.80	22.40	0.60	33	0.003	0.004	210	0.021	0.030	3.82	6.4
M-8	3010	22.40	24.40	2.00	31	0.003	0.004	629	0.063	0.090	3.05	20.3
M-8A	3011	15.85	17.40	1.55	6	0.001	0.001	70	0.007	0.010	0.44	11.7
M-8A	3012	17.40	18.60	1.20	14	0.001	0.002	140	0.014	0.020	2.89	10.0
M-8A	3013	18.60	20.40	1.80	55	0.006	0.007	280	0.028	0.040	3.14	5.1
M-8A	3014	20.40	21.20	0.80	33	0.003	0.004	629	0.063	0.090	2.25	19.1
M-8A	3015	21.20	22.30	1.10	48	0.005	0.006	210	0.021	0.030	3.28	4.4
M-8A	3016	22.30	24.20	1.90	92	0.009	0.011	629	0.063	0.090	2.54	6.8

APPENDIX 2B: **CONTINUED**

Drillhole	Sample Number	From (m)	To (m)	Interval (m)	Ta ppm	Ta %	Ta_2O_5 %	Nb ppm	Nb %	Nb_2O_5 %	P_2O_5 %	Nb:Ta
M-8A	3017	24.20	25.10	0.90	15	0.002	0.002	559	0.056	0.080	0.94	37.3
M-8A	3018	25.10	26.50	1.40	18	0.002	0.002	419	0.042	0.060	1.21	23.3
M-8A	3019	26.50	27.00	0.50	37	0.004	0.005	280	0.028	0.040	3.21	7.6
M-8A	3020	27.00	28.60	1.60	21	0.002	0.003	280	0.028	0.040	2.82	13.3
M-8A	3021	28.60	29.70	1.10	15	0.002	0.002	140	0.014	0.020	3.25	9.3
M-8A	3022	29.70	31.00	1.30	5	0.001	0.001	70	0.007	0.010	4.83	14.0
M-8A	3023	31.00	32.20	1.20	37	0.004	0.005	210	0.021	0.030	3.61	5.7
M-8A	3024	32.20	32.65	0.45	130	0.013	0.016	629	0.063	0.090	6.14	4.8
M-8A	3025	32.65	34.00	1.35	nd	nd	nd	1328	0.133	0.190	3.00	-
M-8A	3026	34.00	35.50	1.50	32	0.003	0.004	1538	0.154	0.220	2.75	48.1
M-8A	3027	35.50	37.00	1.50	110	0.011	0.013	2936	0.294	0.420	4.58	26.7
M-8A	3028	37.00	38.50	1.50	49	0.005	0.006	1748	0.175	0.250	4.33	35.7
M-8A	3029	38.50	40.00	1.50	95	0.010	0.012	2586	0.259	0.370	2.73	27.2
M-8A	3030	40.00	41.15	1.15	5	0.001	0.001	70	0.007	0.010	0.25	14.0
M-9	3097	15.50	17.90	2.40	41	0.004	0.005	210	0.021	0.030	4.28	5.1
M-9	3098	17.90	19.30	1.40	8	0.001	0.001	70	0.007	0.010	3.30	8.7
M-9	3099	19.30	20.60	1.30	5	0.001	0.001	nd	nd	nd	3.94	-
M-9	3100	20.60	22.00	1.40	12	0.001	0.001	70	0.007	0.010	3.87	5.8
M-9	3101	22.00	23.90	1.90	5	0.001	0.001	140	0.014	0.020	3.80	28.0
M-9	3102	23.90	25.00	1.10	11	0.001	0.001	70	0.007	0.010	4.38	6.4
M-9	3103	25.00	26.00	1.00	65	0.007	0.008	140	0.014	0.020	4.17	2.2
M-9	3104	26.00	27.00	1.00	130	0.013	0.016	350	0.035	0.050	2.96	2.7
M-9	3105	27.00	28.00	1.00	67	0.007	0.008	280	0.028	0.040	3.25	4.2
M-9	3106	28.00	29.90	1.90	40	0.004	0.005	140	0.014	0.020	3.21	3.5
M-9	3107	29.90	31.00	1.10	20	0.002	0.002	70	0.007	0.010	2.96	3.5
M-9	3108	31.00	32.50	1.50	27	0.003	0.003	210	0.021	0.030	0.46	7.8
M-9	3109	32.50	34.00	1.50	40	0.004	0.005	280	0.028	0.040	0.41	7.0
M-9	3110	34.00	35.30	1.30	15	0.002	0.002	140	0.014	0.020	0.80	9.3
M-9	3111	50.00	50.90	0.90	11	0.001	0.001	70	0.007	0.010	3.94	6.4
M-9	3112	52.00	53.50	1.50	15	0.002	0.002	70	0.007	0.010	4.31	4.7
M-9	3113	53.50	55.00	1.50	16	0.002	0.002	70	0.007	0.010	4.70	4.4
M-9	3114	55.00	56.30	1.30	22	0.002	0.003	70	0.007	0.010	4.31	3.2
M-9	3115	56.30	57.30	1.00	29	0.003	0.004	140	0.014	0.020	3.85	4.8
M-9	3116	61.00	61.85	0.85	70	0.007	0.009	1468	0.147	0.210	2.69	21.0
Verity Carbonatite												
H-1		5.08	5.79	0.71	60	0.006	0.007	360	0.036	0.052	2.88	6.0
H-1		5.79	6.40	0.61	35	0.004	0.004	160	0.016	0.023	5.77	4.6
H-1		6.40	7.01	0.61	40	0.004	0.005	220	0.022	0.031	3.48	5.5
H-1		7.01	7.62	0.61	40	0.004	0.005	330	0.033	0.047	1.45	8.3
H-1		7.62	8.23	0.61	115	0.012	0.014	490	0.049	0.070	3.05	4.3
H-1		8.38	9.14	0.76	85	0.009	0.010	250	0.025	0.036	3.08	2.9
H-1		9.14	9.75	0.61	60	0.006	0.007	130	0.013	0.019	3.84	2.2
H-1		9.75	10.36	0.61	25	0.003	0.003	170	0.017	0.024	4.13	6.8
H-1		10.36	10.97	0.61	55	0.006	0.007	210	0.021	0.030	3.55	3.8
H-1		10.97	11.58	0.61	115	0.012	0.014	300	0.030	0.043	3.75	2.6
H-1		11.58	12.19	0.61	45	0.005	0.005	110	0.011	0.016	4.23	2.4
H-1		12.19	12.80	0.61	70	0.007	0.009	140	0.014	0.020	4.52	2.0
H-1		12.80	13.41	0.61	240	0.024	0.029	470	0.047	0.067	4.42	2.0
H-1		13.41	14.12	0.71	100	0.010	0.012	230	0.023	0.033	2.95	2.3
H-1		14.12	14.63	0.51	250	0.025	0.031	380	0.038	0.054	2.95	1.5

APPENDIX 2B: CONTINUED

Drillhole	Sample Number	From (m)	To (m)	Interval (m)	Ta ppm	Ta %	Ta_2O_5 %	Nb ppm	Nb %	Nb_2O_5 %	P_2O_5 %	Nb:Ta
H-1		14.63	15.24	0.61	300	0.030	0.037	150	0.015	0.021	3.32	0.5
H-1		15.24	16.15	0.91	460	0.046	0.056	440	0.044	0.063	3.63	1.0
H-1		16.15	16.76	0.61	570	0.057	0.070	180	0.018	0.026	3.32	0.3
H-1		16.76	17.37	0.61	240	0.024	0.029	210	0.021	0.030	4.07	0.9
H-1		17.37	17.98	0.61	175	0.018	0.021	30	0.003	0.004	5.23	0.2
H-2		5.80	6.60	0.80	600	0.060	0.073	-	-	-	4.50	-
H-2		6.60	7.30	0.70	420	0.042	0.051	-	-	-	4.19	-
H-2		7.30	7.90	0.60	-	-	-	-	-	-	3.43	-
H-2		8.50	9.10	0.60	140	0.014	0.017	-	-	-	3.60	-
H-2		9.10	9.90	0.80	50	0.005	0.006	530	0.053	0.076	3.21	10.6
H-2		9.90	10.50	0.60	45	0.005	0.005	180	0.018	0.026	4.35	4.0
H-2		10.50	11.10	0.60	80	0.008	0.010	560	0.056	0.080	4.02	7.0
H-2		11.10	12.00	0.90	125	0.013	0.015	340	0.034	0.049	3.49	2.7
H-2		12.00	12.60	0.60	45	0.005	0.005	200	0.020	0.029	4.15	4.4
H-2		12.60	13.30	0.70	50	0.005	0.006	190	0.019	0.027	4.06	3.8
H-2		13.30	13.80	0.50	175	0.018	0.021	530	0.053	0.076	4.25	3.0
H-2		13.80	14.30	0.50	180	0.018	0.022	470	0.047	0.067	4.60	2.6
H-2		14.30	14.90	0.60	225	0.023	0.027	480	0.048	0.069	3.78	2.1
H-2		14.90	15.60	0.70	245	0.025	0.030	480	0.048	0.069	3.26	2.0
H-2		15.60	16.20	0.60	175	0.018	0.021	250	0.025	0.036	3.46	1.4
H-2		16.20	16.80	0.60	300	0.030	0.037	550	0.055	0.079	3.56	1.8
H-2		16.80	17.40	0.60	100	0.010	0.012	180	0.018	0.026	2.54	1.8
H-2		17.40	18.20	0.80	60	0.006	0.007	120	0.012	0.017	4.74	2.0
H-2		18.20	18.60	0.40	45	0.005	0.005	70	0.007	0.010	4.64	1.6
H-2		18.60	19.20	0.60	45	0.005	0.005	70	0.007	0.010	3.14	1.6
H-2		19.20	21.30	2.10	25	0.003	0.003	70	0.007	0.010	3.09	2.8
H-2		21.30	22.30	1.00	35	0.004	0.004	50	0.005	0.007	3.04	1.4
H-2		22.30	22.90	0.60	230	0.023	0.028	30	0.003	0.004	4.10	0.1
H-2		22.90	23.50	0.60	290	0.029	0.035	210	0.021	0.030	4.23	0.7
H-2		23.50	24.10	0.60	340	0.034	0.042	30	0.003	0.004	4.22	0.1
H-2		24.10	24.70	0.60	290	0.029	0.035	10	0.001	0.001	3.25	0.0
H-2		24.70	27.70	3.00	235	0.024	0.029	20	0.002	0.003	4.39	0.1
H-2		27.70	30.20	2.50	360	0.036	0.044	50	0.005	0.007	2.25	0.1
H-3		3.15	3.66	0.51	210	0.021	0.026	130	0.013	0.019	1.84	0.6
H-3		3.66	4.27	0.61	260	0.026	0.032	360	0.036	0.052	2.34	1.4
H-3		4.27	4.88	0.61	260	0.026	0.032	280	0.028	0.040	-	1.1
H-3		4.88	5.49	0.61	625	0.063	0.076	1130	0.113	0.162	3.44	1.8
H-3		5.49	8.23	2.74	370	0.037	0.045	977	0.098	0.140	3.60	2.6
H-3		8.23	9.75	1.52	380	0.038	0.046	430	0.043	0.062	3.91	1.1
H-3		9.75	10.36	0.61	970	0.097	0.118	680	0.068	0.097	3.61	0.7
H-3		10.36	10.97	0.61	530	0.053	0.065	200	0.020	0.029	3.51	0.4
H-3		10.97	11.89	0.91	90	0.009	0.011	360	0.036	0.052	4.83	4.0
H-3		11.89	12.80	0.91	90	0.009	0.011	1020	0.102	0.146	4.39	11.3
H-3		12.80	13.72	0.91	200	0.020	0.024	1667	0.167	0.238	3.84	8.3
H-3		13.72	14.63	0.91	335	0.034	0.041	722	0.072	0.103	3.72	2.2
H-3		14.63	15.54	0.91	95	0.010	0.012	300	0.030	0.043	4.58	3.2
H-3		15.54	16.66	1.12	25	0.003	0.003	50	0.005	0.007	4.32	2.0
H-3		16.66	17.68	1.01	325	0.033	0.040	700	0.070	0.100	4.72	2.2
H-3		17.68	18.59	0.91	190	0.019	0.023	570	0.057	0.082	4.39	3.0
H-3		18.59	21.95	3.35	120	0.012	0.015	200	0.020	0.029	3.52	1.7
H-3		21.95	22.86	0.91	40	0.004	0.005	60	0.006	0.009	3.55	1.5

APPENDIX 2B: CONTINUED

Drillhole	Sample Number	From (m)	To (m)	Interval (m)	Ta ppm	Ta %	Ta_2O_5 %	Nb ppm	Nb %	Nb_2O_5 %	P_2O_5 %	Nb:Ta
H-3		22.86	23.77	0.91	10	0.001	0.001	20	0.002	0.003	3.62	2.0
H-4		2.44	3.05	0.61	435	0.044	0.053	922	0.092	0.132	4.25	2.1
H-4		4.88	5.49	0.61	270	0.027	0.033	760	0.076	0.109	2.83	2.8
H-4		5.79	6.71	0.91	240	0.024	0.029	550	0.055	0.079	2.66	2.3
H-4		6.81	7.42	0.61	130	0.013	0.016	400	0.040	0.057	4.28	3.1
H-4		7.42	8.13	0.71	205	0.021	0.025	530	0.053	0.076	4.53	2.6
H-4		8.13	8.53	0.41	95	0.010	0.012	520	0.052	0.074	4.75	5.5
H-4		8.53	9.14	0.61	120	0.012	0.015	340	0.034	0.049	4.72	2.8
H-4		9.14	9.75	0.61	70	0.007	0.009	630	0.063	0.090	3.50	9.0
H-4		9.75	10.36	0.61	70	0.007	0.009	250	0.025	0.036	4.52	3.6
H-4		10.36	10.97	0.61	20	0.002	0.002	250	0.025	0.036	3.95	12.5
H-4		10.97	11.58	0.61	240	0.024	0.029	2217	0.222	0.317	4.09	9.2
H-4		11.58	12.19	0.61	65	0.007	0.008	260	0.026	0.037	4.00	4.0
H-4		19.74	20.42	0.69	185	0.019	0.023	-	0.000	0.000	3.19	0.0
H-4		20.42	21.34	0.91	260	0.026	0.032	520	0.052	0.074	3.52	2.0
H-4		21.34	23.32	1.98	45	0.005	0.005	50	0.005	0.007	3.35	1.1
H-4		23.32	24.23	0.91	30	0.003	0.004	80	0.008	0.011	4.17	2.7
H-4		27.33	29.87	2.54	10	0.001	0.001	40	0.004	0.006	4.91	4.0
H-4		31.09	32.00	0.91	45	0.005	0.005	200	0.020	0.029	3.20	4.4
H-4		32.00	34.34	2.34	10	0.001	0.001	70	0.007	0.010	4.17	7.0
H-5		14.94	15.54	0.61	15	0.002	0.002	30	0.003	0.004	5.63	2.0
H-5		15.54	16.15	0.61	5	0.001	0.001	-	0.000	0.000	6.10	0.0
H-5		17.37	17.98	0.61	25	0.003	0.003	50	0.005	0.007	4.66	2.0
H-6		1.22	2.74	1.52	20	0.002	0.002	40	0.004	0.006	5.64	2.0
H-6		2.74	5.18	2.44	5	0.001	0.001	20	0.002	0.003	5.08	4.0
H-6		5.18	7.92	2.74	10	0.001	0.001	20	0.002	0.003	5.27	2.0
H-6		7.92	8.84	0.91	5	0.001	0.001	70	0.007	0.010	3.97	14.0
H-6		8.84	9.75	0.91	200	0.020	0.024	80	0.008	0.011	4.39	0.4
H-6		9.75	11.58	1.83	145	0.015	0.018	50	0.005	0.007	5.07	0.3
H-6		11.58	12.50	0.91	15	0.002	0.002	130	0.013	0.019	1.85	8.7
H-6		12.50	13.41	0.91	15	0.002	0.002	60	0.006	0.009	3.55	4.0
H-6		13.41	14.33	0.91	55	0.006	0.007	40	0.004	0.006	3.78	0.7
H-6		14.33	15.24	0.91	30	0.003	0.004	20	0.002	0.003	5.27	0.7
H-6		15.24	16.15	0.91	30	0.003	0.004	120	0.012	0.017	1.88	4.0
H-6		16.15	18.29	2.13	65	0.007	0.008	130	0.013	0.019	3.81	2.0
H-6		18.29	19.20	0.91	70	0.007	0.009	70	0.007	0.010	3.04	1.0
H-6		19.20	20.52	1.32	280	0.028	0.034	70	0.007	0.010	4.97	0.3
H-7		0.00	4.27	4.27	95	0.010	0.012	270	0.027	0.039	1.83	2.8
H-7		4.27	5.79	1.52	170	0.017	0.021	340	0.034	0.049	2.32	2.0
H-7		5.79	7.32	1.52	100	0.010	0.012	220	0.022	0.031	2.52	2.2
H-7		7.32	8.15	0.84	80	0.008	0.010	150	0.015	0.021	2.60	1.9
H-7		12.50	14.02	1.52	110	0.011	0.013	250	0.025	0.036	3.64	2.3
H-7		14.02	15.54	1.52	270	0.027	0.033	570	0.057	0.082	3.23	2.1
H-7		15.54	17.07	1.52	165	0.017	0.020	390	0.039	0.056	2.95	2.4
H-7		17.07	18.59	1.52	180	0.018	0.022	350	0.035	0.050	4.28	1.9
H-7		18.59	20.12	1.52	495	0.050	0.060	720	0.072	0.103	3.54	1.5
H-7		20.12	21.64	1.52	140	0.014	0.017	310	0.031	0.044	4.40	2.2
H-7		21.64	23.16	1.52	295	0.030	0.036	530	0.053	0.076	-	1.8
H-7		23.16	24.69	1.52	175	0.018	0.021	330	0.033	0.047	4.86	1.9

APPENDIX 2B: CONTINUED

Drillhole	Sample Number	From (m)	To (m)	Interval (m)	Ta ppm	Ta %	Ta_2O_5 %	Nb ppm	Nb %	Nb_2O_5 %	P_2O_5 %	Nb:Ta
H-7		24.69	26.21	1.52	40	0.004	0.005	80	0.008	0.011	3.91	2.0
H-7		27.43	29.26	1.83	15	0.002	0.002	80	0.008	0.011	2.71	5.3
H-8		0.00	5.79	5.79	nil	nil	nil	tr	tr	tr	0.95	-
H-8		5.79	7.62	1.83	100	0.010	0.012	200	0.020	0.029	2.08	2.0
H-8		7.62	9.14	1.52	100	0.010	0.012	700	0.070	0.100	3.30	7.0
H-8		9.14	10.67	1.52	100	0.010	0.012	600	0.060	0.086	2.78	6.0
H-8		10.67	12.19	1.52	nil	nil	nil	100	0.010	0.014	2.17	-
H-8		12.19	13.72	1.52	100	0.010	0.012	100	0.010	0.014	1.95	1.0
H-8		13.72	15.24	1.52	100	0.010	0.012	200	0.020	0.029	3.31	2.0
H-8		16.76	18.29	1.52	100	0.010	0.012	400	0.040	0.057	2.78	4.0
H-8		21.03	22.56	1.52	100	0.010	0.012	200	0.020	0.029	5.12	2.0
H-8		22.56	24.08	1.52	nil	nil	nil	100	0.010	0.014	3.01	-
H-8		24.08	25.60	1.52	100	0.010	0.012	tr	tr	tr	3.84	-
H-8		25.60	27.13	1.52	100	0.010	0.012	nil	nil	nil	4.90	-
H-8		27.13	28.65	1.52	100	0.010	0.012	tr	tr	tr	4.03	-
H-8		28.65	30.18	1.52	nil	nil	nil	tr	tr	tr	6.20	-
H-8		30.18	31.70	1.52	nil	nil	nil	tr	tr	tr	6.69	-
H-8		31.70	33.22	1.52	nil	nil	nil	tr	tr	tr	3.50	-
H-8		33.22	34.75	1.52	nil	nil	nil	100	0.010	0.014	1.54	-
H-8		34.75	36.58	1.83	nil	nil	nil	nil	nil	nil	0.57	-
H-9		2.10	3.70	1.60	150	0.015	0.018	470	0.047	0.067	2.25	3.1
H-9		3.70	5.20	1.50	370	0.037	0.045	1200	0.120	0.172	2.43	3.2
H-9		5.20	6.70	1.50	180	0.018	0.022	550	0.055	0.079	3.70	3.1
H-9		6.70	7.90	1.20	155	0.016	0.019	350	0.035	0.050	3.01	2.3
H-9		10.70	12.20	1.50	165	0.017	0.020	490	0.049	0.070	2.70	3.0
H-9		12.20	13.70	1.50	170	0.017	0.021	510	0.051	0.073	2.10	3.0
H-9		13.70	15.20	1.50	95	0.010	0.012	220	0.022	0.031	2.24	2.3
H-9		15.20	16.80	1.60	105	0.011	0.013	280	0.028	0.040	2.59	2.7
H-9		16.80	18.80	2.00	195	0.020	0.024	440	0.044	0.063	3.16	2.3
H-9		26.20	27.70	1.50	130	0.013	0.016	309	0.031	0.044	2.80	2.4
H-9		27.70	29.30	1.60	170	0.017	0.021	400	0.040	0.057	2.61	2.4
H-9		29.30	30.80	1.50	130	0.013	0.016	290	0.029	0.041	2.54	2.2
H-9		30.80	32.30	1.50	95	0.010	0.012	240	0.024	0.034	1.93	2.5
H-9		32.30	33.80	1.50	100	0.010	0.012	230	0.023	0.033	3.53	2.3
H-9		33.80	35.40	1.60	115	0.012	0.014	370	0.037	0.053	3.41	3.2
H-9		35.40	36.90	1.50	155	0.016	0.019	497	0.050	0.071	3.96	3.2
H-9		36.90	38.40	1.50	90	0.009	0.011	530	0.053	0.076	4.01	5.9
H-9		38.40	39.90	1.50	200	0.020	0.024	500	0.050	0.072	4.07	2.5
H-9		39.90	41.50	1.60	80	0.008	0.010	110	0.011	0.016	4.37	1.4
H-9		41.50	43.00	1.50	210	0.021	0.026	60	0.006	0.009	4.67	0.3
H-9		43.00	44.50	1.50	320	0.032	0.039	500	0.050	0.072	4.90	1.6
H-9		44.50	46.00	1.50	250	0.025	0.031	430	0.043	0.062	4.81	1.7
H-9		46.00	47.50	1.50	245	0.025	0.030	440	0.044	0.063	4.39	1.8
H-9		47.50	49.10	1.60	335	0.034	0.041	780	0.078	0.112	3.56	2.3
H-9		49.10	50.60	1.50	320	0.032	0.039	470	0.047	0.067	4.02	1.5
H-9		50.60	52.10	1.50	210	0.021	0.026	400	0.040	0.057	3.68	1.9
H-9		52.10	53.60	1.50	230	0.023	0.028	590	0.059	0.084	3.28	2.6
H-9		53.60	55.20	1.60	100	0.010	0.012	170	0.017	0.024	5.24	1.7
H-9		55.20	56.70	1.50	35	0.004	0.004	60	0.006	0.009	5.26	1.7
H-9		56.70	57.60	0.90	45	0.005	0.005	60	0.006	0.009	3.24	1.3

APPENDIX 2B: CONTINUED

Drillhole	Sample Number	From (m)	To (m)	Interval (m)	Ta ppm	Ta %	Ta_2O_5 %	Nb ppm	Nb %	Nb_2O_5 %	P_2O_5 %	Nb:Ta
H-10		60.96	61.57	0.61	25	0.003	0.003	65	0.007	0.009	3.39	2.6
H-10		61.57	63.40	1.83	20	0.002	0.002	40	0.004	0.006	4.38	2.0
H-10		66.39	67.97	1.58	10	0.001	0.001	60	0.006	0.009	5.23	6.0
H-10		67.97	69.49	1.52	30	0.003	0.004	50	0.005	0.007	5.77	1.7
H-10		69.49	71.02	1.52	25	0.003	0.003	30	0.003	0.004	4.24	1.2
H-10		71.02	72.54	1.52	55	0.006	0.007	110	0.011	0.016	3.94	2.0
H-10		72.54	74.07	1.52	5	0.001	0.001	40	0.004	0.006	4.49	8.0
H-10		74.07	75.59	1.52	10	0.001	0.001	30	0.003	0.004	5.32	3.0
H-10		75.59	77.11	1.52	30	0.003	0.004	90	0.009	0.013	3.31	3.0
H-10		77.11	78.33	1.22	5	0.001	0.001	70	0.007	0.010	3.93	14.0
H-11		0.00	4.88	4.88	140	0.014	0.017	255	0.026	0.036	2.62	1.8
H-11		4.88	6.40	1.52	220	0.022	0.027	580	0.058	0.083	3.60	2.6
H-11		6.40	8.84	2.44	205	0.021	0.025	347	0.035	0.050	4.22	1.7
H-11		8.84	11.28	2.44	135	0.014	0.016	210	0.021	0.030	4.96	1.6
H-11		11.28	13.41	2.13	15	0.002	0.002	20	0.002	0.003	4.98	1.3
H-11		13.41	15.24	1.83	10	0.001	0.001	20	0.002	0.003	5.25	2.0
H-11		15.24	16.76	1.52	5	0.001	0.001	50	0.005	0.007	3.86	10.0
H-12		3.05	4.88	1.83	100	0.010	0.012	300	0.030	0.043	3.58	3.0
H-12		4.88	6.40	1.52	100	0.010	0.012	800	0.080	0.114	4.50	8.0
H-12		6.40	7.92	1.52	100	0.010	0.012	500	0.050	0.072	4.22	5.0
H-12		7.92	9.45	1.52	200	0.020	0.024	455	0.046	0.065	4.08	2.3
H-12		9.45	10.97	1.52	200	0.020	0.024	200	0.020	0.029	4.06	1.0
H-12		10.97	12.50	1.52	100	0.010	0.012	300	0.030	0.043	5.17	3.0
H-12		12.50	14.63	2.13	nil	nil	nil	tr	tr	tr	4.50	-
H-12		14.63	16.15	1.52	nil	nil	nil	tr	tr	tr	5.58	-
H-12		16.15	17.68	1.52	100	0.010	0.012	tr	tr	tr	6.80	-
H-12		17.68	19.96	2.29	nil	nil	nil	tr	tr	tr	3.80	-
H-13		3.66	5.79	2.13	280	0.028	0.034	535	0.054	0.077	3.80	1.9
H-13		5.79	7.32	1.52	490	0.049	0.060	947	0.095	0.135	3.62	1.9
H-13		7.32	8.84	1.52	320	0.032	0.039	280	0.028	0.040	3.18	0.9
H-13		8.84	10.36	1.52	220	0.022	0.027	432	0.043	0.062	4.10	2.0
H-13		10.36	11.89	1.52	135	0.014	0.016	270	0.027	0.039	4.15	2.0
H-13		11.89	13.41	1.52	135	0.014	0.016	210	0.021	0.030	3.75	1.6
H-13		13.41	15.54	2.13	180	0.018	0.022	340	0.034	0.049	4.80	1.9
H-13		15.54	17.68	2.13	50	0.005	0.006	40	0.004	0.006	5.35	0.8
H-13		17.68	21.03	3.35	10	0.001	0.001	10	0.001	0.001	5.60	1.0
H-13		21.03	24.08	3.05	10	0.001	0.001	20	0.002	0.003	5.60	2.0
H-13		24.08	25.60	1.52	10	0.001	0.001	40	0.004	0.006	6.72	4.0
H-13		25.60	28.35	2.74	5	0.001	0.001	40	0.004	0.006	2.25	8.0
H-13		28.35	30.18	1.83	10	0.001	0.001	50	0.005	0.007	3.15	5.0
H-14	3031	17.10	18.50	1.40	62	0.006	0.008	140	0.014	0.020	5.04	2.3
H-14	3032	18.50	20.00	1.50	46	0.005	0.006	140	0.014	0.020	3.12	3.0
H-14	3033	20.00	21.50	1.50	27	0.003	0.003	70	0.007	0.010	3.57	2.6
H-14	3034	21.50	23.00	1.50	33	0.003	0.004	210	0.021	0.030	2.89	6.4
H-14	3035	23.00	24.50	1.50	23	0.002	0.003	210	0.021	0.030	3.18	9.1
H-14	3036	24.50	26.00	1.50	9	0.001	0.001	350	0.035	0.050	3.73	38.8
H-14	3037	26.00	27.50	1.50	31	0.003	0.004	210	0.021	0.030	3.73	6.8
H-14	3038	27.50	29.00	1.50	90	0.009	0.011	699	0.070	0.100	2.77	7.8
H-14	3039	29.00	30.50	1.50	89	0.009	0.011	559	0.056	0.080	2.38	6.3

APPENDIX 2B: CONTINUED

Drillhole	Sample Number	From (m)	To (m)	Interval (m)	Ta ppm	Ta %	Ta_2O_5 %	Nb ppm	Nb %	Nb_2O_5 %	P_2O_5 %	Nb:Ta
H-14	3040	30.50	31.70	1.20	230	0.023	0.028	1118	0.112	0.160	3.05	4.9
H-14	3041	31.70	33.00	1.30	69	0.007	0.008	489	0.049	0.070	1.74	7.1
H-14	3042	33.00	34.40	1.40	45	0.005	0.005	210	0.021	0.030	2.04	4.7
H-14	3043	34.40	36.00	1.60	150	0.015	0.018	839	0.084	0.120	3.16	5.6
H-14	3044	36.00	37.50	1.50	94	0.009	0.011	629	0.063	0.090	3.09	6.7
H-14	3045	37.50	39.00	1.50	59	0.006	0.007	350	0.035	0.050	2.50	5.9
H-14	3046	39.00	40.50	1.50	89	0.009	0.011	489	0.049	0.070	2.80	5.5
H-14	3047	40.50	42.00	1.50	66	0.007	0.008	419	0.042	0.060	3.94	6.4
H-14	3048	42.00	43.50	1.50	60	0.006	0.007	489	0.049	0.070	3.67	8.2
H-14	3049	43.50	45.00	1.50	140	0.014	0.017	769	0.077	0.110	3.76	5.5
H-14	3050	45.00	46.30	1.30	84	0.008	0.010	489	0.049	0.070	4.06	5.8
H-14	3051	46.30	47.10	0.80	120	0.012	0.015	559	0.056	0.080	4.10	4.7
H-14	3052	47.10	48.00	0.90	130	0.013	0.016	489	0.049	0.070	5.41	3.8
H-14	3053	48.00	49.50	1.50	28	0.003	0.003	140	0.014	0.020	2.93	5.0
H-14	3054	49.50	51.00	1.50	19	0.002	0.002	70	0.007	0.010	3.50	3.7
H-14	3055	51.00	52.00	1.00	11	0.001	0.001	140	0.014	0.020	3.25	12.7
H-14	3056	52.00	53.30	1.30	8	0.001	0.001	70	0.007	0.010	3.30	8.7
H-14	3057	53.30	54.80	1.50	17	0.002	0.002	140	0.014	0.020	3.14	8.2
H-14	3058	54.80	56.10	1.30	31	0.003	0.004	140	0.014	0.020	2.70	4.5
H-14	3059	56.10	57.60	1.50	13	0.001	0.002	140	0.014	0.020	3.44	10.8
H-14	3060	57.60	58.60	1.00	14	0.001	0.002	70	0.007	0.010	2.84	5.0
H-14	3061	58.60	60.00	1.40	20	0.002	0.002	140	0.014	0.020	0.32	7.0
H-14	3062	60.00	61.00	1.00	22	0.002	0.003	210	0.021	0.030	0.41	9.5
H-14	3063	61.00	62.40	1.40	25	0.003	0.003	140	0.014	0.020	0.21	5.6
H-14	3064	62.40	63.70	1.30	16	0.002	0.002	70	0.007	0.010	1.81	4.4
H-14	3065	80.30	80.90	0.60	37	0.004	0.005	1398	0.140	0.200	1.59	37.8
H-14	3066	80.90	82.00	1.10	63	0.006	0.008	419	0.042	0.060	1.99	6.7
H-14	3067	82.00	83.40	1.40	23	0.002	0.003	70	0.007	0.010	4.45	3.0
H-14	3068	83.40	84.70	1.30	27	0.003	0.003	70	0.007	0.010	5.35	2.6
H-14	3069	84.70	85.70	1.00	47	0.005	0.006	140	0.014	0.020	4.10	3.0
H-14	3070	85.70	86.20	0.50	44	0.004	0.005	489	0.049	0.070	0.76	11.1
H-14	3071	86.20	87.50	1.30	10	0.001	0.001	70	0.007	0.010	5.32	7.0
H-14	3072	87.50	88.80	1.30	29	0.003	0.004	210	0.021	0.030	2.22	7.2
H-14	3073	88.80	90.10	1.30	19	0.002	0.002	70	0.007	0.010	4.38	3.7
H-14	3074	97.00	98.00	1.00	7	0.001	0.001	419	0.042	0.060	0.71	59.9
H-14	3075	98.00	98.65	0.65	180	0.018	0.022	1328	0.133	0.190	3.76	7.4
H-14	3076	98.65	99.60	0.95	90	0.009	0.011	699	0.070	0.100	2.70	7.8
H-14	3077	99.60	100.50	0.90	78	0.008	0.010	489	0.049	0.070	2.89	6.3
H-14	3078	100.50	102.00	1.50	76	0.008	0.009	350	0.035	0.050	3.83	4.6
H-14	3079	102.00	103.30	1.30	46	0.005	0.006	140	0.014	0.020	4.56	3.0
H-14	3080	103.30	104.30	1.00	140	0.014	0.017	769	0.077	0.110	4.51	5.5
H-14	3081	104.30	105.80	1.50	13	0.001	0.002	489	0.049	0.070	1.42	37.6
H-14	3082	105.80	107.30	1.50	29	0.003	0.004	629	0.063	0.090	1.51	21.7
H-14	3083	107.30	108.80	1.50	22	0.002	0.003	419	0.042	0.060	1.31	19.1
H-14	3084	108.80	110.00	1.20	29	0.003	0.004	629	0.063	0.090	1.42	21.7
H-14	3085	110.00	110.95	0.95	6	0.001	0.001	419	0.042	0.060	0.53	69.9
H-14	3086	110.95	112.80	1.85	16	0.002	0.002	489	0.049	0.070	0.83	30.6
H-14	3087	112.80	114.60	1.80	20	0.002	0.002	350	0.035	0.050	1.08	17.5
H-14	3088	114.60	115.20	0.60	79	0.008	0.010	280	0.028	0.040	2.45	3.5
H-14	3089	115.20	116.00	0.80	31	0.003	0.004	419	0.042	0.060	1.15	13.5
H-14	3090	116.00	117.30	1.30	23	0.002	0.003	489	0.049	0.070	0.89	21.3
H-14	3091	117.30	118.30	1.00	58	0.006	0.007	350	0.035	0.050	1.76	6.0
H-14	3092	118.30	119.40	1.10	46	0.005	0.006	280	0.028	0.040	1.24	6.1

APPENDIX 2B: CONTINUED

Drillhole	Sample Number	From (m)	To (m)	Interval (m)	Ta ppm	Ta %	Ta_2O_5 %	Nb ppm	Nb %	Nb_2O_5 %	P_2O_5 %	Nb:Ta
H-14	3093	119.40	120.50	1.10	53	0.005	0.006	350	0.035	0.050	1.44	6.6
H-14	3094	120.50	121.60	1.10	34	0.003	0.004	350	0.035	0.050	0.94	10.3
H-14	3095	121.60	122.60	1.00	39	0.004	0.005	210	0.021	0.030	3.39	5.4
H-14	3096	122.60	123.80	1.20	60	0.006	0.007	489	0.049	0.070	3.18	8.2
H-14	3815	123.80	124.90	1.10	61	0.006	0.007	280	0.028	0.040	-	4.6
H-15	3117	15.10	16.60	1.50	66	0.007	0.008	140	0.014	0.020	4.45	2.1
H-15	3118	16.60	18.10	1.50	44	0.004	0.005	140	0.014	0.020	3.60	3.2
H-15	3119	18.10	19.60	1.50	160	0.016	0.020	280	0.028	0.040	4.31	1.7
H-15	3120	19.60	21.10	1.50	24	0.002	0.003	489	0.049	0.070	3.76	20.4
H-15	3121	21.10	22.60	1.50	97	0.010	0.012	2167	0.217	0.310	4.08	22.3
H-15	3122	22.60	23.60	1.00	55	0.006	0.007	489	0.049	0.070	2.93	8.9
H-15	3123	23.60	24.70	1.10	110	0.011	0.013	2027	0.203	0.290	3.69	18.4
H-15	3124	24.70	26.00	1.30	140	0.014	0.017	839	0.084	0.120	2.61	6.0
H-15	3125	26.00	27.00	1.00	140	0.014	0.017	699	0.070	0.100	2.43	5.0
H-15	3126	27.00	28.00	1.00	185	0.019	0.023	839	0.084	0.120	2.66	4.5
H-15	3127	28.00	29.00	1.00	93	0.009	0.011	559	0.056	0.080	2.15	6.0
H-15	3128	29.00	30.10	1.10	74	0.007	0.009	280	0.028	0.040	2.89	3.8
H-15	3129	30.10	31.00	0.90	180	0.018	0.022	1538	0.154	0.220	3.41	8.5
H-15	3130	31.00	32.00	1.00	220	0.022	0.027	979	0.098	0.140	3.28	4.4
H-15	3131	32.00	33.00	1.00	180	0.018	0.022	629	0.063	0.090	2.41	3.5
H-15	3132	33.00	34.00	1.00	150	0.015	0.018	629	0.063	0.090	1.97	4.2
H-15	3133	34.00	35.50	1.50	93	0.009	0.011	350	0.035	0.050	1.81	3.8
H-15	3134	35.50	36.70	1.20	81	0.008	0.010	280	0.028	0.040	2.15	3.5
H-15	3135	36.70	37.80	1.10	100	0.010	0.012	419	0.042	0.060	2.61	4.2
H-15	3136	37.80	38.70	0.90	280	0.028	0.034	979	0.098	0.140	2.96	3.5
H-15	3137	38.70	40.00	1.30	180	0.018	0.022	629	0.063	0.090	3.21	3.5
H-15	3138	40.00	41.20	1.20	110	0.011	0.013	350	0.035	0.050	2.29	3.2
H-15	3139	41.20	42.50	1.30	65	0.007	0.008	489	0.049	0.070	4.31	7.5
H-15	3140	42.50	43.50	1.00	65	0.007	0.008	489	0.049	0.070	3.87	7.5
H-15	3141	43.50	44.00	0.50	260	0.026	0.032	1049	0.105	0.150	4.01	4.0
H-15	3142	44.00	45.40	1.40	65	0.007	0.008	489	0.049	0.070	4.07	7.5
H-15	3143	45.40	46.70	1.30	220	0.022	0.027	699	0.070	0.100	3.41	3.2
H-15	3144	46.70	47.70	1.00	110	0.011	0.013	350	0.035	0.050	2.75	3.2
H-15	3145	47.70	49.00	1.30	220	0.022	0.027	629	0.063	0.090	3.53	2.9
H-15	3146	49.00	50.00	1.00	31	0.003	0.004	140	0.014	0.020	5.41	4.5
H-15	3147	50.00	51.50	1.50	43	0.004	0.005	140	0.014	0.020	3.37	3.3
H-15	3148	51.50	53.00	1.50	11	0.001	0.001	nd	nd	nd	3.14	-
H-15	3149	53.00	54.20	1.20	10	0.001	0.001	nd	nd	nd	3.76	-
H-15	3150	54.20	55.30	1.10	15	0.002	0.002	70	0.007	0.010	3.44	4.7
H-15	3151	55.30	56.80	1.50	2.5	0.000	0.000	70	0.007	0.010	5.16	28.0
H-15	3152	56.80	58.30	1.50	10	0.001	0.001	nd	nd	nd	5.00	-
H-15	3153	58.30	59.50	1.20	28	0.003	0.003	70	0.007	0.010	2.45	2.5
H-15	3154	59.50	60.70	1.20	24	0.002	0.003	70	0.007	0.010	0.62	2.9
H-15	3155	60.70	62.00	1.30	16	0.002	0.002	140	0.014	0.020	0.27	8.7
H-15	3156	62.00	63.50	1.50	25	0.003	0.003	140	0.014	0.020	1.17	5.6
H-15	3157	84.00	85.10	1.10	35	0.004	0.004	140	0.014	0.020	3.76	4.0
H-15	3158	85.10	86.30	1.20	11	0.001	0.001	70	0.007	0.010	4.58	6.4
H-15	3159	86.30	87.50	1.20	54	0.005	0.007	140	0.014	0.020	3.92	2.6
H-15	3160	87.50	89.00	1.50	30	0.003	0.004	70	0.007	0.010	4.58	2.3
H-15	3161	89.00	89.20	0.20	69	0.007	0.008	140	0.014	0.020	3.76	2.0
H-15	3162	93.30	94.10	0.80	55	0.006	0.007	419	0.042	0.060	4.17	7.6
H-15	3163	94.10	95.10	1.00	34	0.003	0.004	210	0.021	0.030	3.02	6.2

APPENDIX 2B: CONTINUED

Drillhole	Sample Number	From (m)	To (m)	Interval (m)	Ta ppm	Ta %	Ta_2O_5 %	Nb ppm	Nb %	Nb_2O_5 %	P_2O_5 %	Nb:Ta
H-15	3164	95.10	96.30	1.20	19	0.002	0.002	70	0.007	0.010	5.00	3.7
H-15	3165	96.30	97.50	1.20	50	0.005	0.006	210	0.021	0.030	3.92	4.2
H-15	3166	97.50	98.60	1.10	91	0.009	0.011	559	0.056	0.080	2.11	6.1
H-16	3167	35.90	37.00	1.10	110	0.011	0.013	280	0.028	0.040	4.77	2.5
H-16	3168	37.00	38.20	1.20	96	0.010	0.012	210	0.021	0.030	3.92	2.2
H-16	3169	38.20	39.30	1.10	130	0.013	0.016	280	0.028	0.040	2.70	2.2
H-16	3170	39.30	40.40	1.10	47	0.005	0.006	280	0.028	0.040	3.85	5.9
H-16	3171	40.40	41.10	0.70	13	0.001	0.002	nd	nd	nd	1.86	-
H-16	3172	41.10	42.50	1.40	24	0.002	0.003	350	0.035	0.050	3.37	14.6
H-16	3173	42.50	44.00	1.50	10	0.001	0.001	210	0.021	0.030	3.46	21.0
H-16	3174	44.00	45.50	1.50	65	0.007	0.008	1328	0.133	0.190	2.50	20.4
H-16	3175	45.50	47.00	1.50	110	0.011	0.013	2447	0.245	0.350	3.55	22.2
H-16	3176	47.00	48.50	1.50	61	0.006	0.007	350	0.035	0.050	4.24	5.7
H-16	3177	48.50	50.00	1.50	57	0.006	0.007	350	0.035	0.050	2.64	6.1
H-16	3178	50.00	51.50	1.50	73	0.007	0.009	419	0.042	0.060	1.58	5.7
H-16	3179	51.50	53.00	1.50	150	0.015	0.018	979	0.098	0.140	2.22	6.5
H-16	3180	53.00	54.50	1.50	110	0.011	0.013	699	0.070	0.100	1.76	6.4
H-16	3181	54.50	56.00	1.50	220	0.022	0.027	1887	0.189	0.270	2.47	8.6
H-16	3182	56.00	57.50	1.50	140	0.014	0.017	489	0.049	0.070	1.56	3.5
H-16	3183	57.50	59.00	1.50	79	0.008	0.010	350	0.035	0.050	1.08	4.4
H-16	3184	59.00	60.50	1.50	190	0.019	0.023	699	0.070	0.100	2.29	3.7
H-16	3185	60.50	62.00	1.50	330	0.033	0.040	1258	0.126	0.180	2.47	3.8
H-16	3186	62.00	63.50	1.50	140	0.014	0.017	629	0.063	0.090	2.86	4.5
H-16	3187	63.50	65.40	1.90	220	0.022	0.027	1188	0.119	0.170	2.73	5.4
H-16	3188	65.40	66.50	1.10	130	0.013	0.016	629	0.063	0.090	3.32	4.8
H-16	3189	66.50	68.00	1.50	210	0.021	0.026	909	0.091	0.130	2.66	4.3
H-16	3190	68.00	69.30	1.30	96	0.010	0.012	489	0.049	0.070	2.38	5.1
H-16	3191	69.30	70.30	1.00	21	0.002	0.003	140	0.014	0.020	trace	6.7
H-16	3192	70.30	71.80	1.50	190	0.019	0.023	769	0.077	0.110	3.35	4.0
H-16	3193	71.80	72.90	1.10	190	0.019	0.023	699	0.070	0.100	3.35	3.7
H-16	3194	72.90	73.90	1.00	540	0.054	0.066	2377	0.238	0.340	3.76	4.4
H-16	3195	73.90	74.90	1.00	160	0.016	0.020	699	0.070	0.100	2.38	4.4
H-16	3196	74.90	75.80	0.90	140	0.014	0.017	769	0.077	0.110	3.30	5.5
H-16	3197	75.80	76.90	1.10	61	0.006	0.007	419	0.042	0.060	4.19	6.9
H-16	3198	76.90	78.40	1.50	49	0.005	0.006	629	0.063	0.090	4.01	12.8
H-16	3199	78.40	79.90	1.50	nd	nd	nd	769	0.077	0.110	3.83	-
H-16	3200	79.90	81.20	1.30	34	0.003	0.004	210	0.021	0.030	4.01	6.2
H-16	3201	81.20	82.70	1.50	210	0.021	0.026	769	0.077	0.110	2.96	3.7
H-16	3202	82.70	84.20	1.50	130	0.013	0.016	419	0.042	0.060	3.67	3.2
H-16	3203	84.20	85.20	1.00	71	0.007	0.009	350	0.035	0.050	4.58	4.9
H-16	3204	85.20	86.20	1.00	17	0.002	0.002	70	0.007	0.010	4.10	4.1
H-16	3205	86.20	87.50	1.30	250	0.025	0.031	699	0.070	0.100	4.31	2.8
H-16	3206	87.50	88.70	1.20	120	0.012	0.015	419	0.042	0.060	3.48	3.5
H-16	3207	88.70	90.20	1.50	98	0.010	0.012	280	0.028	0.040	3.41	2.9
H-16	3208	90.20	91.70	1.50	86	0.009	0.011	70	0.007	0.010	4.01	0.8
H-16	3209	91.70	93.20	1.50	20	0.002	0.002	70	0.007	0.010	4.42	3.5
H-16	3210	93.20	94.70	1.50	7	0.001	0.001	nd	nd	nd	4.90	-
H-16	3211	94.70	96.50	1.80	20	0.002	0.002	nd	nd	nd	3.71	-
H-16	3212	96.50	97.10	0.60	10	0.001	0.001	70	0.007	0.010	3.55	7.0
H-16	3213	97.10	98.60	1.50	20	0.002	0.002	70	0.007	0.010	0.25	3.5
H-16	3214	98.60	100.10	1.50	29	0.003	0.004	140	0.014	0.020	1.17	4.8
H-16	3215	100.10	101.50	1.40	48	0.005	0.006	140	0.014	0.020	1.67	2.9

APPENDIX 2B: CONTINUED

Drillhole	Sample Number	From (m)	To (m)	Interval (m)	Ta ppm	Ta %	Ta_2O_5 %	Nb ppm	Nb %	Nb_2O_5 %	P_2O_5 %	Nb:Ta
H-16	3216	118.40	119.90	1.50	20	0.002	0.002	70	0.007	0.010	4.58	3.5
H-16	3217	119.90	121.40	1.50	13	0.001	0.002	70	0.007	0.010	4.72	5.4
H-16	3218	121.40	122.80	1.40	37	0.004	0.005	70	0.007	0.010	4.35	1.9
H-16	3219	122.80	124.50	1.70	31	0.003	0.004	280	0.028	0.040	1.10	9.0
H-16	3220	124.50	125.30	0.80	25	0.003	0.003	70	0.007	0.010	3.07	2.8
H-16	3221	127.70	129.20	1.50	160	0.016	0.020	419	0.042	0.060	4.54	2.6
H-16	3222	129.20	130.20	1.00	76	0.008	0.009	350	0.035	0.050	2.59	4.6
H-16	3223	130.20	131.60	1.40	84	0.008	0.010	280	0.028	0.040	2.77	3.3
H-16	3224	142.80	143.40	0.60	25	0.003	0.003	70	0.007	0.010	4.24	2.8
H-16	3225	143.40	144.90	1.50	22	0.002	0.003	210	0.021	0.030	1.65	9.5
H-16	3226	144.90	146.50	1.60	10	0.001	0.001	nd	nd	nd	4.51	-
H-16	3227	146.50	148.00	1.50	2.5	0.000	0.000	nd	nd	nd	4.40	-
H-16	3228	148.00	149.60	1.60	29	0.003	0.004	210	0.021	0.030	3.23	7.2
H-16	3229	149.60	151.00	1.40	16	0.002	0.002	140	0.014	0.020	3.21	8.7
H-16	3230	151.00	152.00	1.00	42	0.004	0.005	280	0.028	0.040	4.65	6.7
H-17	3231	8.00	9.00	1.00	8	0.001	0.001	nd	nd	nd	3.14	-
H-17	3232	9.00	11.00	2.00	2.5	0.000	0.000	nd	nd	nd	1.49	-
H-17	3233	-	-	-	-	-	-	-	-	-	-	-
H-17	3234	-	-	-	-	-	-	-	-	-	-	-
H-17	3235	-	-	-	-	-	-	-	-	-	-	-
H-17	3236	-	-	-	-	-	-	-	-	-	-	-
H-17	3237	-	-	-	-	-	-	-	-	-	-	-
H-17	3238	-	-	-	-	-	-	-	-	-	-	-
H-17	3239	-	-	-	-	-	-	-	-	-	-	-
H-17	3240	-	-	-	-	-	-	-	-	-	-	-
H-17	3241	-	-	-	-	-	-	-	-	-	-	-
H-17	3242	-	-	-	-	-	-	-	-	-	-	-
H-17	3243	-	-	-	-	-	-	-	-	-	-	-
H-17	3244	52.50	53.80	1.30	52	0.005	0.006	210	0.021	0.030	2.29	-
H-17	3245	53.80	55.30	1.50	40	0.004	0.005	280	0.028	0.040	2.77	-
H-17	3246	55.30	56.70	1.40	5	0.001	0.001	70	0.007	0.010	4.77	-
H-17	3247	56.70	58.20	1.50	29	0.003	0.004	140	0.014	0.020	4.54	-
H-17	3248	58.20	59.50	1.30	61	0.006	0.007	140	0.014	0.020	3.46	-
H-17	3249	59.50	60.10	0.60	40	0.004	0.005	280	0.028	0.040	2.27	-
H-17	3250	60.10	61.40	1.30	80	0.008	0.010	280	0.028	0.040	5.22	-
H-17	3251	61.40	62.70	1.30	98	0.010	0.012	1188	0.119	0.170	6.46	-
H-18	3252	8.20	9.40	1.20	140	0.014	0.017	1049	0.105	0.150	3.62	7.5
H-18	3253	9.40	10.80	1.40	37	0.004	0.005	419	0.042	0.060	3.85	11.3
H-18	3254	10.80	12.30	1.50	38	0.004	0.005	489	0.049	0.070	3.96	12.9
H-18	3255	12.30	13.80	1.50	5	0.001	0.001	839	0.084	0.120	3.73	167.8
H-18	3256	13.80	15.30	1.50	150	0.015	0.018	629	0.063	0.090	3.00	4.2
H-18	3257	15.30	16.80	1.50	59	0.006	0.007	350	0.035	0.050	3.09	5.9
H-18	3258	16.80	18.30	1.50	65	0.007	0.008	350	0.035	0.050	4.42	5.4
H-18	3259	18.30	20.10	1.80	120	0.012	0.015	559	0.056	0.080	2.96	4.7
H-18	3260	20.10	23.20	3.10	50	0.005	0.006	350	0.035	0.050	3.53	7.0
H-18	3261	23.20	24.70	1.50	26	0.003	0.003	280	0.028	0.040	3.53	10.8
H-18	3262	24.70	25.60	0.90	nd	nd	nd	210	0.021	0.030	3.53	-
H-18	3263	25.60	27.40	1.80	9	0.001	0.001	210	0.021	0.030	4.70	23.3
H-18	3264	27.40	28.50	1.10	7	0.001	0.001	140	0.014	0.020	4.97	20.0
H-18	3265	28.50	29.50	1.00	19	0.002	0.002	280	0.028	0.040	0.60	14.7
H-18	3266	44.80	45.70	0.90	27	0.003	0.003	419	0.042	0.060	1.56	15.5

APPENDIX 2B: CONTINUED

Drillhole	Sample Number	From (m)	To (m)	Interval (m)	Ta ppm	Ta %	Ta_2O_5 %	Nb ppm	Nb %	Nb_2O_5 %	P_2O_5 %	Nb:Ta
H-18	3267	45.70	46.70	1.00	26	0.003	0.003	419	0.042	0.060	2.15	16.1
H-18	3268	46.70	48.40	1.70	15	0.002	0.002	280	0.028	0.040	4.47	18.6
H-18	3269	48.40	50.10	1.70	9	0.001	0.001	210	0.021	0.030	4.86	23.3
H-18	3270	50.10	51.30	1.20	36	0.004	0.004	350	0.035	0.050	1.79	9.7
H-18	3271	51.30	52.40	1.10	26	0.003	0.003	350	0.035	0.050	1.70	13.4
H-18	3272	52.40	53.90	1.50	23	0.002	0.003	280	0.028	0.040	2.57	12.2
H-18	3273	57.50	58.60	1.10	100	0.010	0.012	909	0.091	0.130	2.98	9.1
H-18	3274	58.60	60.85	2.25	18	0.002	0.002	419	0.042	0.060	0.80	23.3
H-18	3275	60.85	62.40	1.55	170	0.017	0.021	629	0.063	0.090	4.31	3.7
H-18	3276	62.40	63.50	1.10	41	0.004	0.005	350	0.035	0.050	4.65	8.5
H-18	3277	63.50	64.20	0.70	97	0.010	0.012	559	0.056	0.080	2.38	5.8
H-18	3278	64.20	65.70	1.50	16	0.002	0.002	419	0.042	0.060	0.94	26.2
H-18	3279	65.70	67.20	1.50	7	0.001	0.001	489	0.049	0.070	1.49	69.9
H-18	3280	67.20	68.70	1.50	10	0.001	0.001	629	0.063	0.090	0.64	62.9
H-18	3281	68.70	70.20	1.50	19	0.002	0.002	419	0.042	0.060	1.24	22.1
H-18	3282	70.20	72.00	1.80	6	0.001	0.001	350	0.035	0.050	0.92	58.3
H-18	3283	72.00	74.00	2.00	19	0.002	0.002	419	0.042	0.060	1.35	22.1
H-18	3284	74.00	75.00	1.00	24	0.002	0.003	280	0.028	0.040	4.10	11.7
H-18	3285	75.00	76.00	1.00	17	0.002	0.002	350	0.035	0.050	3.23	20.6
H-18	3286	76.00	77.00	1.00	41	0.004	0.005	280	0.028	0.040	4.06	6.8
H-18	3287	77.00	78.30	1.30	92	0.009	0.011	350	0.035	0.050	4.06	3.8
H-19	3288	32.50	33.50	1.00	57	0.006	0.007	419	0.042	0.060	1.44	7.4
H-19	3289	33.50	34.50	1.00	140	0.014	0.017	699	0.070	0.100	2.20	5.0
H-19	3290	34.50	35.50	1.00	140	0.014	0.017	629	0.063	0.090	2.45	4.5
H-19	3291	35.50	36.50	1.00	150	0.015	0.018	629	0.063	0.090	2.38	4.2
H-19	3292	36.50	37.50	1.00	160	0.016	0.020	769	0.077	0.110	2.61	4.8
H-19	3293	37.50	38.50	1.00	130	0.013	0.016	559	0.056	0.080	3.83	4.3
H-19	3294	38.50	39.50	1.00	130	0.013	0.016	559	0.056	0.080	2.61	4.3
H-19	3295	39.50	40.50	1.00	150	0.015	0.018	699	0.070	0.100	4.42	4.7
H-19	3296	40.50	41.50	1.00	190	0.019	0.023	699	0.070	0.100	3.57	3.7
H-19	3297	41.50	42.50	1.00	120	0.012	0.015	489	0.049	0.070	4.10	4.1
H-19	3298	42.50	43.50	1.00	23	0.002	0.003	280	0.028	0.040	4.10	12.2
H-19	3299	43.50	44.50	1.00	24	0.002	0.003	280	0.028	0.040	2.59	11.7
H-19	3300	44.50	45.50	1.00	16	0.002	0.002	210	0.021	0.030	3.80	13.1
H-19	3301	45.50	46.60	1.10	4	0.000	0.000	210	0.021	0.030	4.42	52.4
H-19	3302	70.30	71.00	0.70	31	0.003	0.004	419	0.042	0.060	1.60	13.5
H-19	3303	71.00	72.00	1.00	29	0.003	0.004	280	0.028	0.040	4.58	9.6
H-19	3304	72.00	73.00	1.00	7	0.001	0.001	210	0.021	0.030	6.23	30.0
H-19	3305	73.00	74.00	1.00	6	0.001	0.001	210	0.021	0.030	5.36	35.0
H-19	3306	74.00	75.00	1.00	14	0.001	0.002	210	0.021	0.030	5.32	15.0
H-19	3307	75.00	76.00	1.00	11	0.001	0.001	210	0.021	0.030	5.36	19.1
H-19	3308	76.00	77.00	1.00	27	0.003	0.003	280	0.028	0.040	4.01	10.4
H-19	3309	77.00	78.20	1.20	68	0.007	0.008	280	0.028	0.040	4.83	4.1
H-19	3310	78.20	79.10	0.90	80	0.008	0.010	489	0.049	0.070	1.70	6.1
H-19	3311	79.10	80.00	0.90	28	0.003	0.003	280	0.028	0.040	2.50	10.0
H-19	3312	80.00	81.00	1.00	5	0.001	0.001	280	0.028	0.040	2.04	55.9
H-19	3313	81.00	82.00	1.00	8	0.001	0.001	210	0.021	0.030	4.65	26.2
H-19	3314	82.00	82.90	0.90	9	0.001	0.001	210	0.021	0.030	5.06	23.3
H-19	3315	82.90	84.10	1.20	22	0.002	0.003	350	0.035	0.050	1.76	15.9
H-19	3316	84.10	85.25	1.15	20	0.002	0.002	280	0.028	0.040	4.40	14.0
H-19	3317	90.30	91.90	1.60	130	0.013	0.016	1049	0.105	0.150	2.75	8.1
H-19	3318	91.90	93.60	1.70	21	0.002	0.003	350	0.035	0.050	1.90	16.6

APPENDIX 2B: CONTINUED

Drillhole	Sample Number	From (m)	To (m)	Interval (m)	Ta ppm	Ta %	Ta_2O_5 %	Nb ppm	Nb %	Nb_2O_5 %	P_2O_5 %	Nb:Ta
H-20	3319	9.40	11.10	1.70	230	0.023	0.028	1118	0.112	0.160	2.75	4.9
H-20	3320	11.10	12.30	1.20	85	0.009	0.010	629	0.063	0.090	2.70	7.4
H-20	3321	12.30	13.30	1.00	110	0.011	0.013	1258	0.126	0.180	2.57	11.4
H-20	3322	13.30	14.30	1.00	120	0.012	0.015	979	0.098	0.140	2.93	8.2
H-20	3323	14.30	15.30	1.00	140	0.014	0.017	489	0.049	0.070	4.10	3.5
H-20	3324	15.30	16.30	1.00	110	0.011	0.013	489	0.049	0.070	2.18	4.4
H-20	3325	16.30	17.40	1.10	130	0.013	0.016	559	0.056	0.080	2.73	4.3
H-20	3326	17.40	18.90	1.50	110	0.011	0.013	629	0.063	0.090	2.80	5.7
H-20	3327	18.90	20.40	1.50	35	0.004	0.004	280	0.028	0.040	1.42	8.0
H-20	3328	20.40	21.30	0.90	130	0.013	0.016	559	0.056	0.080	2.93	4.3
H-20	3329	21.30	22.80	1.50	32	0.003	0.004	280	0.028	0.040	0.09	8.7
H-20	3330	22.80	23.80	1.00	72	0.007	0.009	419	0.042	0.060	1.92	5.8
H-20	3331	23.80	25.00	1.20	300	0.030	0.037	1118	0.112	0.160	4.06	3.7
H-20	3332	25.00	26.20	1.20	210	0.021	0.026	1188	0.119	0.170	3.57	5.7
H-20	3333	26.20	27.40	1.20	100	0.010	0.012	489	0.049	0.070	3.64	4.9
H-20	3334	27.40	28.60	1.20	180	0.018	0.022	839	0.084	0.120	2.89	4.7
H-20	3335	28.60	29.60	1.00	190	0.019	0.023	699	0.070	0.100	3.00	3.7
H-20	3336	29.60	30.50	0.90	620	0.062	0.076	1608	0.161	0.230	3.73	2.6
H-20	3337	30.50	32.60	2.10	17	0.002	0.002	280	0.028	0.040	4.35	16.4
H-20	3338	32.60	35.70	3.10	11	0.001	0.001	210	0.021	0.030	5.06	19.1
H-20	3339	35.70	36.90	1.20	7	0.001	0.001	280	0.028	0.040	3.00	39.9
H-20	3340	36.90	37.90	1.00	14	0.001	0.002	280	0.028	0.040	1.49	20.0
H-20	3341	37.90	38.70	0.80	21	0.002	0.003	280	0.028	0.040	0.71	13.3
H-20	3342	59.00	59.80	0.80	31	0.003	0.004	280	0.028	0.040	4.17	9.0
H-20	3343	59.80	61.30	1.50	20	0.002	0.002	419	0.042	0.060	1.03	21.0
H-20	3344	61.30	62.20	0.90	13	0.001	0.002	210	0.021	0.030	4.58	16.1
H-20	3345	62.20	63.00	0.80	19	0.002	0.002	350	0.035	0.050	1.83	18.4
H-20	3346	63.00	64.00	1.00	12	0.001	0.001	210	0.021	0.030	5.36	17.5
H-20	3347	64.00	65.00	1.00	13	0.001	0.002	210	0.021	0.030	5.36	16.1
H-20	3348	65.00	66.00	1.00	13	0.001	0.002	210	0.021	0.030	5.55	16.1
H-20	3349	66.00	66.70	0.70	27	0.003	0.003	280	0.028	0.040	5.45	10.4
H-20	3350	66.70	68.00	1.30	18	0.002	0.002	350	0.035	0.050	0.89	19.4
H-20	3351	68.00	69.30	1.30	21	0.002	0.003	419	0.042	0.060	0.71	20.0
H-20	3352	69.30	70.30	1.00	25	0.003	0.003	350	0.035	0.050	1.60	14.0
H-20	3353	70.30	71.00	0.70	12	0.001	0.001	280	0.028	0.040	4.15	23.3
H-20	3354	71.00	72.00	1.00	14	0.001	0.002	210	0.021	0.030	3.16	15.0
H-20	3355	72.00	73.20	1.20	67	0.007	0.008	419	0.042	0.060	1.56	6.3
H-20	3356	73.20	74.40	1.20	9	0.001	0.001	280	0.028	0.040	1.58	31.1
H-20	3357	74.40	75.60	1.20	30	0.003	0.004	350	0.035	0.050	2.29	11.7
H-20	3358	75.60	76.80	1.20	22	0.002	0.003	280	0.028	0.040	3.85	12.7
H-20	3359	83.20	84.00	0.80	65	0.007	0.008	559	0.056	0.080	3.96	8.6
H-20	3360	84.00	84.50	0.50	25	0.003	0.003	280	0.028	0.040	4.97	11.2
H-20	3361	84.50	85.30	0.80	37	0.004	0.005	280	0.028	0.040	3.83	7.6
H-20	3362	85.30	85.70	0.40	87	0.009	0.011	350	0.035	0.050	10.80	4.0
H-20	3363	85.70	86.70	1.00	35	0.004	0.004	280	0.028	0.040	4.12	8.0
H-20	3364	86.70	88.30	1.60	220	0.022	0.027	769	0.077	0.110	2.31	3.5
H-21	3365	12.00	13.50	1.50	46	0.005	0.006	1049	0.105	0.150	3.05	22.8
H-21	3366	13.50	15.00	1.50	7	0.001	0.001	210	0.021	0.030	3.71	30.0
H-21	3367	15.00	16.50	1.50	18	0.002	0.002	489	0.049	0.070	3.28	27.2
H-21	3368	16.50	18.00	1.50	140	0.014	0.017	1049	0.105	0.150	1.97	7.5
H-21	3369	18.00	19.00	1.00	130	0.013	0.016	629	0.063	0.090	2.50	4.8

APPENDIX 2B: CONTINUED

Drillhole	Sample Number	From (m)	To (m)	Interval (m)	Ta ppm	Ta %	Ta_2O_5 %	Nb ppm	Nb %	Nb_2O_5 %	P_2O_5 %	Nb:Ta
H-21	3370	19.00	20.00	1.00	200	0.020	0.024	1118	0.112	0.160	3.44	5.6
H-21	3371	20.00	21.00	1.00	60	0.006	0.007	419	0.042	0.060	2.27	7.0
H-21	3372	21.00	22.00	1.00	130	0.013	0.016	979	0.098	0.140	2.70	7.5
H-21	3373	22.00	23.00	1.00	100	0.010	0.012	1118	0.112	0.160	3.16	11.2
H-21	3374	23.00	24.00	1.00	69	0.007	0.008	909	0.091	0.130	2.04	13.2
H-21	3375	24.00	25.00	1.00	87	0.009	0.011	629	0.063	0.090	1.72	7.2
H-21	3376	25.00	26.00	1.00	320	0.032	0.039	1398	0.140	0.200	2.84	4.4
H-21	3377	26.00	27.00	1.00	160	0.016	0.020	699	0.070	0.100	3.60	4.4
H-21	3378	27.00	27.90	0.90	130	0.013	0.016	629	0.063	0.090	2.50	4.8
H-21	3379	27.90	28.70	0.80	210	0.021	0.026	909	0.091	0.130	3.28	4.3
H-21	3380	28.70	29.70	1.00	150	0.015	0.018	699	0.070	0.100	2.31	4.7
H-21	3381	29.70	30.70	1.00	140	0.014	0.017	559	0.056	0.080	2.91	4.0
H-21	3382	30.70	31.70	1.00	190	0.019	0.023	909	0.091	0.130	3.55	4.8
H-21	3383	31.70	32.70	1.00	220	0.022	0.027	629	0.063	0.090	4.03	2.9
H-21	3384	32.70	33.70	1.00	46	0.005	0.006	280	0.028	0.040	3.67	6.1
H-21	3385	33.70	34.70	1.00	21	0.002	0.003	280	0.028	0.040	2.50	13.3
H-21	3386	34.70	35.70	1.00	67	0.007	0.008	350	0.035	0.050	4.31	5.2
H-21	3387	35.70	36.80	1.10	2.5	0.000	0.000	210	0.021	0.030	4.01	83.9
H-21	3388	36.80	37.90	1.10	9	0.001	0.001	280	0.028	0.040	4.03	31.1
H-21	3389	37.90	38.90	1.00	20	0.002	0.002	280	0.028	0.040	2.57	14.0
H-21	3390	38.90	40.00	1.10	10	0.001	0.001	280	0.028	0.040	2.25	28.0
H-21	3391	40.00	41.30	1.30	12	0.001	0.001	280	0.028	0.040	1.56	23.3
H-21	3392	62.30	63.30	1.00	13	0.001	0.002	nd	nd	nd	6.20	-
H-21	3393	63.30	64.30	1.00	43	0.004	0.005	70	0.007	0.010	4.49	1.6
H-21	3394	64.30	65.30	1.00	15	0.002	0.002	nd	nd	nd	5.09	-
H-21	3395	65.30	66.30	1.00	8	0.001	0.001	nd	nd	nd	5.12	-
H-21	3396	66.30	67.30	1.00	12	0.001	0.001	nd	nd	nd	4.56	-
H-21	3397	67.30	68.20	0.90	54	0.005	0.007	70	0.007	0.010	5.48	1.3
H-21	3398	68.20	69.20	1.00	20	0.002	0.002	70	0.007	0.010	3.34	3.5
H-21	3399	69.20	70.00	0.80	8	0.001	0.001	nd	nd	nd	4.61	-
H-21	3400	70.00	70.80	0.80	11	0.001	0.001	nd	nd	nd	4.61	-
H-21	3401	70.80	71.80	1.00	9	0.001	0.001	nd	nd	nd	4.90	-
H-21	3402	71.80	72.40	0.60	18	0.002	0.002	70	0.007	0.010	3.48	3.9
H-21	3403	72.40	73.00	0.60	30	0.003	0.004	70	0.007	0.010	3.46	2.3
H-21	3404	73.00	74.40	1.40	41	0.004	0.005	210	0.021	0.030	0.93	5.1
H-21	3405	74.40	75.60	1.20	27	0.003	0.003	140	0.014	0.020	0.83	5.2
H-21	3406	75.60	76.60	1.00	16	0.002	0.002	nd	nd	nd	1.49	-
H-21	3407	76.60	77.80	1.20	17	0.002	0.002	nd	nd	nd	4.59	-
H-21	3408	77.80	78.70	0.90	5	0.001	0.001	nd	nd	nd	4.71	-
H-21	3409	78.70	79.80	1.10	39	0.004	0.005	70	0.007	0.010	4.20	1.8
H-21	3410	97.70	98.70	1.00	62	0.006	0.008	210	0.021	0.030	3.37	3.4
H-21	3411	98.70	99.70	1.00	26	0.003	0.003	70	0.007	0.010	4.42	2.7
H-21	3412	99.70	100.70	1.00	56	0.006	0.007	140	0.014	0.020	3.77	2.5
H-22	3413	31.10	32.10	1.00	210	0.021	0.026	350	0.035	0.050	3.32	1.7
H-22	3414	32.10	33.10	1.00	47	0.005	0.006	70	0.007	0.010	4.48	1.5
H-22	3415	33.10	34.10	1.00	37	0.004	0.005	70	0.007	0.010	3.48	1.9
H-22	3416	34.10	35.10	1.00	54	0.005	0.007	70	0.007	0.010	2.93	1.3
H-22	3417	35.10	36.10	1.00	5	0.001	0.001	699	0.070	0.100	3.59	139.8
H-22	3418	36.10	37.10	1.00	17	0.002	0.002	70	0.007	0.010	3.38	4.1
H-22	3419	37.10	38.10	1.00	20	0.002	0.002	280	0.028	0.040	3.59	14.0
H-22	3420	38.10	39.10	1.00	53	0.005	0.006	1328	0.133	0.190	2.54	25.1
H-22	3421	39.10	40.10	1.00	69	0.007	0.008	2237	0.224	0.320	3.23	32.4

APPENDIX 2B: CONTINUED

Drillhole	Sample Number	From (m)	To (m)	Interval (m)	Ta ppm	Ta %	Ta_2O_5 %	Nb ppm	Nb %	Nb_2O_5 %	P_2O_5 %	Nb:Ta
H-22	3422	40.10	41.10	1.00	40	0.004	0.005	140	0.014	0.020	4.12	3.5
H-22	3423	41.10	42.10	1.00	27	0.003	0.003	210	0.021	0.030	2.23	7.8
H-22	3424	42.10	43.10	1.00	62	0.006	0.008	350	0.035	0.050	2.35	5.6
H-22	3425	43.10	44.10	1.00	68	0.007	0.008	280	0.028	0.040	2.94	4.1
H-22	3426	44.10	45.10	1.00	130	0.013	0.016	1538	0.154	0.220	3.39	11.8
H-22	3427	45.10	46.10	1.00	62	0.006	0.008	350	0.035	0.050	1.47	5.6
H-22	3428	46.10	47.10	1.00	48	0.005	0.006	140	0.014	0.020	1.85	2.9
H-22	3429	47.10	48.10	1.00	130	0.013	0.016	559	0.056	0.080	3.74	4.3
H-22	3430	48.10	49.30	1.20	150	0.015	0.018	1887	0.189	0.270	2.69	12.6
H-22	3431	49.30	50.20	0.90	230	0.023	0.028	1049	0.105	0.150	2.15	4.6
H-22	3432	50.20	51.10	0.90	73	0.007	0.009	210	0.021	0.030	1.73	2.9
H-22	3433	51.10	52.00	0.90	140	0.014	0.017	559	0.056	0.080	2.84	4.0
H-22	3434	52.00	52.80	0.80	69	0.007	0.008	280	0.028	0.040	1.07	4.1
H-22	3435	52.80	53.40	0.60	200	0.020	0.024	1118	0.112	0.160	4.01	5.6
H-22	3436	53.40	53.90	0.50	140	0.014	0.017	419	0.042	0.060	2.65	3.0
H-22	3437	53.90	54.50	0.60	320	0.032	0.039	1538	0.154	0.220	3.94	4.8
H-22	3438	54.50	55.30	0.80	160	0.016	0.020	629	0.063	0.090	2.56	3.9
H-22	3439	55.30	56.10	0.80	110	0.011	0.013	419	0.042	0.060	2.03	3.8
H-22	3440	56.10	56.70	0.60	140	0.014	0.017	629	0.063	0.090	3.41	4.5
H-22	3441	56.70	57.30	0.60	170	0.017	0.021	559	0.056	0.080	3.94	3.3
H-22	3442	57.30	58.00	0.70	120	0.012	0.015	419	0.042	0.060	2.85	3.5
H-22	3443	58.00	59.00	1.00	100	0.010	0.012	419	0.042	0.060	2.99	4.2
H-22	3444	59.00	60.00	1.00	49	0.005	0.006	140	0.014	0.020	1.89	2.9
H-22	3445	60.00	60.50	0.50	260	0.026	0.032	1188	0.119	0.170	3.33	4.6
H-22	3446	60.50	61.00	0.50	160	0.016	0.020	629	0.063	0.090	2.31	3.9
H-22	3447	61.00	61.30	0.30	30	0.003	0.004	70	0.007	0.010	1.27	2.3
H-22	3448	61.30	61.80	0.50	220	0.022	0.027	1188	0.119	0.170	2.57	5.4
H-22	3449	61.80	62.40	0.60	760	0.076	0.093	4474	0.447	0.640	4.27	5.9
H-22	3450	62.40	63.10	0.70	200	0.020	0.024	979	0.098	0.140	3.36	4.9
H-22	3451	63.10	64.00	0.90	130	0.013	0.016	489	0.049	0.070	2.75	3.8
H-22	3452	64.00	65.00	1.00	150	0.015	0.018	489	0.049	0.070	2.66	3.3
H-22	3453	65.00	65.50	0.50	160	0.016	0.020	419	0.042	0.060	3.35	2.6
H-22	3454	65.50	66.50	1.00	37	0.004	0.005	210	0.021	0.030	2.94	5.7
H-22	3455	66.50	66.90	0.40	37	0.004	0.005	210	0.021	0.030	4.20	5.7
H-22	3456	66.90	67.90	1.00	26	0.003	0.003	280	0.028	0.040	4.15	10.8
H-22	3457	67.90	68.60	0.70	40	0.004	0.005	350	0.035	0.050	3.31	8.7
H-22	3458	68.60	69.40	0.80	34	0.003	0.004	350	0.035	0.050	3.92	10.3
H-22	3459	69.40	69.90	0.50	130	0.013	0.016	140	0.014	0.020	3.02	1.1
H-22	3460	69.90	70.80	0.90	60	0.006	0.007	280	0.028	0.040	4.06	4.7
H-22	3461	70.80	71.60	0.80	53	0.005	0.006	350	0.035	0.050	3.87	6.6
H-22	3462	71.60	72.50	0.90	340	0.034	0.042	1188	0.119	0.170	3.35	3.5
H-22	3463	72.50	73.60	1.10	18	0.002	0.002	489	0.049	0.070	4.41	27.2
H-22	3464	73.60	74.70	1.10	68	0.007	0.008	210	0.021	0.030	3.73	3.1
H-22	3465	74.70	75.60	0.90	230	0.023	0.028	559	0.056	0.080	3.40	2.4
H-22	3466	75.60	76.80	1.20	100	0.010	0.012	210	0.021	0.030	4.24	2.1
H-22	3467	79.60	80.20	0.60	9	0.001	0.001	nd	nd	nd	0.50	-
H-22	3468	80.20	81.00	0.80	5	0.001	0.001	nd	nd	nd	5.02	-
H-22	3469	81.00	81.70	0.70	25	0.003	0.003	140	0.014	0.020	0.35	5.6
H-22	3470	81.70	82.40	0.70	17	0.002	0.002	70	0.007	0.010	0.34	4.1
H-24	3672	24.50	25.00	0.50	160	0.016	0.020	224	0.022	0.032	4.02	-
H-24	3673	25.00	26.00	1.00	91	0.009	0.011	-	-	0.024	4.62	-
H-24	3674	26.00	27.00	1.00	41	0.004	0.005	-	-	0.008	3.56	-

APPENDIX 2B: CONTINUED

Drillhole	Sample Number	From (m)	To (m)	Interval (m)	Ta ppm	Ta %	Ta_2O_5 %	Nb ppm	Nb %	Nb_2O_5 %	P_2O_5 %	Nb:Ta
H-24	3675	27.00	28.00	1.00	51	0.005	0.006	-	-	0.083	3.61	-
H-24	3676	28.00	29.00	1.00	40	0.004	0.005	-	-	0.008	4.38	-
H-24	3677	29.00	30.00	1.00	8	0.001	0.001	-	-	0.007	3.78	-
H-24	3678	30.00	31.00	1.00	30	0.003	0.004	-	-	0.006	3.34	-
H-24	3679	31.00	32.00	1.00	11	0.001	0.001	-	-	0.021	3.30	-
H-24	3680	32.00	33.00	1.00	39	0.004	0.005	-	-	0.072	3.45	-
H-24	3681	33.00	34.00	1.00	60	0.006	0.007	-	-	0.040	1.75	-
H-24	3682	34.00	35.00	1.00	110	0.011	0.013	-	-	0.027	1.54	-
H-24	3683	35.00	35.90	0.90	160	0.016	0.020	-	-	0.013	2.70	-
H-24	3684	35.90	36.40	0.50	230	0.023	0.028	-	-	0.093	3.91	-
H-24	3685	36.40	37.00	0.60	200	0.020	0.024	-	-	0.016	2.52	-
H-24	3686	37.00	37.50	0.50	280	0.028	0.034	-	-	0.027	3.45	-
H-24	3687	37.50	38.50	1.00	56	0.006	0.007	-	-	0.033	2.50	-
H-24	3688	38.50	39.50	1.00	170	0.017	0.021	-	-	0.057	2.94	-
H-24	3689	39.50	40.50	1.00	83	0.008	0.010	-	-	0.027	2.50	-
H-24	3690	40.50	41.50	1.00	110	0.011	0.013	-	-	0.043	2.20	-
H-24	3691	41.50	42.30	0.80	130	0.013	0.016	-	-	0.070	2.95	-
H-24	3692	42.30	42.80	0.50	250	0.025	0.031	-	-	0.099	3.65	-
H-24	3693	42.80	43.80	1.00	40	0.004	0.005	-	-	0.056	2.81	-
H-24	3694	43.80	44.60	0.80	90	0.009	0.011	-	-	0.033	3.67	-
H-24	3695	44.60	45.60	1.00	94	0.009	0.011	-	-	0.044	3.56	-
H-24	3696	45.60	46.60	1.00	100	0.010	0.012	-	-	0.030	2.48	-
H-24	3697	46.60	47.90	1.30	130	0.013	0.016	-	-	0.050	2.70	-
H-24	3698	-	-	-	-	-	-	-	-	-	-	-
H-24	3699	-	-	-	-	-	-	-	-	-	-	-
H-24	3700	-	-	-	-	-	-	-	-	-	-	-
H-24	3701	-	-	-	-	-	-	-	-	-	-	-
H-25	-	45.50	47.70	2.20	216	0.022	0.026	-	-	0.072	2.00	-
H-25	-	47.70	49.50	1.80	93	0.009	0.011	-	-	0.039	2.00	-
H-25	-	49.50	50.20	0.70	330	0.033	0.040	-	-	0.122	0.60	-
H-25	-	50.20	51.60	1.40	121	0.012	0.015	-	-	0.051	1.40	-
H-25	-	51.60	52.50	0.90	320	0.032	0.039	-	-	0.189	0.90	-
H-25	-	52.50	55.20	2.70	182	0.018	0.022	-	-	0.058	2.70	-
H-25	-	55.20	59.50	4.30	20	0.002	0.002	-	-	0.010	3.20	-
H-26	3740	81.20	82.10	0.90	21	0.002	0.003	nd	nd	nd	4.78	-
H-26	3741	82.10	83.00	0.90	5	0.001	0.001	nd	nd	nd	5.33	-
H-26	3742	83.00	84.00	1.00	5	0.001	0.001	nd	nd	nd	4.97	-
H-26	3743	84.00	84.80	0.80	17	0.002	0.002	49	0.005	0.007	4.30	-
H-26	3744	84.80	85.80	1.00	13	0.001	0.002	49	0.005	0.007	4.76	-
H-26	3745	85.80	86.80	1.00	36	0.004	0.004	77	0.008	0.011	3.88	-
H-26	3746	86.80	87.80	1.00	18	0.002	0.002	nd	nd	nd	5.29	-
H-26	3747	87.80	88.50	0.70	13	0.001	0.002	42	0.004	0.006	4.87	-
H-27	3748	55.00	56.00	1.00	55	0.006	0.007	231	0.023	0.033	1.04	4.2
H-27	3749	56.00	57.00	1.00	240	0.024	0.029	140	0.014	0.020	2.45	0.6
H-27	3750	57.00	57.90	0.90	60	0.006	0.007	147	0.015	0.021	2.22	2.4
H-27	3751	57.90	58.50	0.60	280	0.028	0.034	203	0.020	0.029	3.93	0.7
H-27	3752	58.50	59.50	1.00	140	0.014	0.017	356	0.036	0.051	1.38	2.5
H-27	3753	59.50	60.00	0.50	140	0.014	0.017	363	0.036	0.052	2.53	2.6
H-27	3754	60.00	61.00	1.00	190	0.019	0.023	580	0.058	0.083	3.29	3.1
H-27	3755	61.00	62.00	1.00	220	0.022	0.027	860	0.086	0.123	3.30	3.9

APPENDIX 2B: **CONTINUED**

Drillhole	Sample Number	From (m)	To (m)	Interval (m)	Ta ppm	Ta %	Ta_2O_5 %	Nb ppm	Nb %	Nb_2O_5 %	P_2O_5 %	Nb:Ta
H-27	3756	62.00	63.00	1.00	210	0.021	0.026	853	0.085	0.122	2.87	4.1
H-27	3757	63.00	63.50	0.50	120	0.012	0.015	538	0.054	0.077	2.90	4.5
H-27	3758	63.50	66.40	2.90	120	0.012	0.015	419	0.042	0.060	4.70	3.5
H-27	3759	66.40	67.00	0.60	100	0.010	0.012	336	0.034	0.048	2.25	3.4
H-27	3760	67.00	68.00	1.00	140	0.014	0.017	419	0.042	0.060	2.57	3.0
H-27	3761	68.00	69.00	1.00	110	0.011	0.013	419	0.042	0.060	2.87	3.8
H-27	3762	69.00	70.00	1.00	125	0.013	0.015	294	0.029	0.042	2.42	2.3
H-27	3763	70.00	71.00	1.00	150	0.015	0.018	433	0.043	0.062	2.03	2.9
H-27	3764	71.00	72.00	1.00	220	0.022	0.027	643	0.064	0.092	3.01	2.9
H-27	3765	72.00	73.00	1.00	130	0.013	0.016	538	0.054	0.077	2.47	4.1
H-27	3766	73.00	74.00	1.00	71	0.007	0.009	398	0.040	0.057	4.18	5.6
H-27	3767	74.00	75.00	1.00	99	0.010	0.012	210	0.021	0.030	4.43	2.1
H-27	3768	75.00	76.00	1.00	70	0.007	0.009	489	0.049	0.070	2.99	7.0
H-27	3769	76.00	77.00	1.00	150	0.015	0.018	56	0.006	0.008	3.22	0.4
H-27	3770	77.00	78.00	1.00	778	0.078	0.095	447	0.045	0.064	4.01	0.6
H-27	3771	78.00	79.00	1.00	30	0.003	0.004	161	0.016	0.023	3.42	5.4
H-27	3772	79.00	80.00	1.00	38	0.004	0.005	196	0.020	0.028	3.19	5.2
H-27	3773	80.00	81.00	1.00	210	0.021	0.026	468	0.047	0.067	3.05	2.2
H-27	3774	81.00	81.90	0.90	31	0.003	0.004	98	0.010	0.014	3.97	3.2
H-27	3775	81.90	82.40	0.50	230	0.023	0.028	503	0.050	0.072	4.46	2.2
H-27	3776	82.40	83.40	1.00	62	0.006	0.008	231	0.023	0.033	2.52	3.7
H-27	3777	83.40	83.90	0.50	220	0.022	0.027	440	0.044	0.063	3.13	2.0
H-27	3778	83.90	85.00	1.10	68	0.007	0.008	189	0.019	0.027	4.29	2.8
H-27	3779	85.00	86.00	1.00	13	0.001	0.002	nd	nd	nd	2.95	-
H-27	3780	86.00	87.00	1.00	12	0.001	0.001	nd	nd	nd	2.48	-
H-27	3781	87.00	88.00	1.00	7	0.001	0.001	nd	nd	nd	3.99	-
H-27	3782	88.00	89.00	1.00	7	0.001	0.001	nd	nd	nd	4.51	-
H-27	3783	89.00	90.00	1.00	5	0.001	0.001	nd	nd	nd	6.38	-
H-27	3784	90.00	91.00	1.00	21	0.002	0.003	nd	nd	nd	5.54	-
H-27	3785	91.00	92.00	1.00	11	0.001	0.001	42	0.004	0.006	2.27	3.8
H-27	3786	92.00	93.00	1.00	12	0.001	0.001	49	0.005	0.007	3.18	4.1
H-27	3787	93.00	94.00	1.00	22	0.002	0.003	70	0.007	0.010	0.88	3.2
H-27	3788	94.00	94.50	0.50	18	0.002	0.002	91	0.009	0.013	0.63	5.0
H-30	3789	6.10	8.50	2.40	70	0.007	0.009	112	0.011	0.016	3.30	1.6
H-30	3790	8.50	10.90	2.40	23	0.002	0.003	84	0.008	0.012	3.91	3.6
H-30	3791	10.90	13.20	2.30	5	0.001	0.001	7	0.001	0.001	4.36	1.4
H-30	3792	13.20	15.60	2.40	5	0.001	0.001	14	0.001	0.002	4.48	2.8
H-30	3793	15.60	16.60	1.00	nd	nd	nd	7	0.001	0.001	4.69	-
H-30	3794	16.60	17.50	0.90	8	0.001	0.001	49	0.005	0.007	2.40	6.1
H-30	3795	17.50	18.60	1.10	12	0.001	0.001	28	0.003	0.004	2.08	2.3
H-30	3796	18.60	20.00	1.40	8	0.001	0.001	28	0.003	0.004	2.56	3.5
H-30	3797	20.00	21.00	1.00	14	0.001	0.002	49	0.005	0.007	1.86	3.5
H-30	3798	21.00	22.00	1.00	12	0.001	0.001	35	0.003	0.005	2.66	2.9
Bone Creek and Fir Carbonatites												
BC-4	B4	25.43	26.82	1.40	255	0.026	0.031	530	0.053	0.076	2.80	2.1
BC-4	B5	26.82	28.35	1.52	230	0.023	0.028	170	0.017	0.024	4.78	0.7
BC-4	B5	28.35	29.57	1.22	150	0.015	0.018	5900	0.590	0.844	4.90	39.3
BC-5	B4	24.29	25.91	1.62	350	0.035	0.043	650	0.065	0.093	3.85	1.9
BC-5	B4	25.91	27.43	1.52	190	0.019	0.023	170	0.017	0.024	5.37	0.9

APPENDIX 2B: **CONTINUED**

Drillhole	Sample Number	From (m)	To (m)	Interval (m)	Ta ppm	Ta %	Ta_2O_5 %	Nb ppm	Nb %	Nb_2O_5 %	P_2O_5 %	Nb:Ta
BC-5	B5	27.43	28.96	1.52	180	0.018	0.022	490	0.049	0.070	4.60	2.7
BC-6	B1	9.75	9.97	0.21	11	0.001	0.001	290	0.029	0.041	1.30	26.4
BC-7	B6	31.39	32.31	0.91	104	0.010	0.013	610	0.061	0.087	1.70	5.9
BC-7	B6	32.31	32.77	0.46	98	0.010	0.012	400	0.040	0.057	0.01	4.1
BC-7	B6	32.80	34.14	1.34	154	0.015	0.019	160	0.016	0.023	3.50	1.0
BC-7	B7	34.10	35.05	0.95	267	0.027	0.033	35	0.004	0.005	4.38	0.1
BC-7	B7	35.10	36.65	1.55	199	0.020	0.024	490	0.049	0.070	2.54	2.5
BC-10	B1	3.40	3.96	0.56	12	0.001	0.001	40	0.004	0.006	0.25	3.3
BC-10	B1	4.65	6.10	1.45	8	0.001	0.001	330	0.033	0.047	0.21	41.3
BC-10	B1	6.10	7.62	1.52	9	0.001	0.001	80	0.008	0.011	0.13	8.9
BC-10	B2	9.81	9.93	0.12	8	0.001	0.001	20	0.002	0.003	0.14	2.5
BC-10	B4	23.77	24.48	0.70	19	0.002	0.002	50	0.005	0.007	0.20	2.6
BC-10	B5	29.26	30.78	1.52	224	0.022	0.027	420	0.042	0.060	3.57	1.9
BC-10	B6	30.78	32.00	1.22	191	0.019	0.023	250	0.025	0.036	4.77	1.3
BC-11	B2	11.89	13.11	1.22	176	0.018	0.021	1100	0.110	0.157	1.91	6.3
BC-11	B2	13.11	14.33	1.22	189	0.019	0.023	960	0.096	0.137	2.04	5.1
BC-11	B3	14.33	16.46	2.13	190	0.019	0.023	310	0.031	0.044	3.33	1.6
BC-11	B3	16.46	17.68	1.22	139	0.014	0.017	280	0.028	0.040	4.17	2.0
BC-12		7.01	7.10	0.09	52	0.005	0.006	310	0.031	0.044	0.87	6.0
BC-12		7.10	7.47	0.37	20	0.002	0.002	230	0.023	0.033	0.52	11.5
BC-12		7.47	7.62	0.15	578	0.058	0.071	2100	0.210	0.300	1.90	3.6
BC-12		7.62	7.83	0.21	14	0.001	0.002	150	0.015	0.021	0.56	10.7
BC-12		7.86	8.89	1.03	208	0.021	0.025	2000	0.200	0.286	2.38	9.6
BC-14	3528	33.10	34.10	1.00	460	0.046	0.056	3635	0.363	0.520	-	7.9
BC-14	3529	34.10	35.15	1.05	120	0.012	0.015	489	0.049	0.070	-	4.1
BC-14	3530	35.15	35.40	0.25	150	0.015	0.018	210	0.021	0.030	-	1.4
BC-16	3703	49.50	50.00	0.50	250	0.025	0.031	161	0.016	0.023	2.99	0.6
BC-16	3704	50.00	50.50	0.50	270	0.027	0.033	902	0.090	0.129	3.04	3.3
BC-16	3705	50.50	51.00	0.50	220	0.022	0.027	133	0.013	0.019	2.76	0.6
BC-16	3706	51.00	51.50	0.50	290	0.029	0.035	398	0.040	0.057	3.67	1.4
BC-16	3707	51.50	52.00	0.50	200	0.020	0.024	161	0.016	0.023	3.92	0.8
BC-16	3708	52.00	52.50	0.50	130	0.013	0.016	119	0.012	0.017	3.74	0.9
BC-16	3709	52.50	53.00	0.50	170	0.017	0.021	161	0.016	0.023	4.42	0.9
BC-16	3710	53.00	53.50	0.50	150	0.015	0.018	482	0.048	0.069	2.92	3.2
BC-16	3711	53.50	54.50	1.00	98	0.010	0.012	482	0.048	0.069	2.09	4.9
BC-17	3712	40.00	40.50	0.50	190	0.019	0.023	1531	0.153	0.219	2.31	8.1
BC-17	3713	40.50	41.00	0.50	150	0.015	0.018	979	0.098	0.140	2.63	6.5
BC-17	3714	41.00	41.50	0.50	220	0.022	0.027	902	0.090	0.129	3.01	4.1
BC-17	3715	41.50	42.10	0.60	180	0.018	0.022	1202	0.120	0.172	2.68	6.7
BC-18	3540	116.00	117.00	1.00	200	0.020	0.024	482	0.048	0.069	3.65	2.4
BC-18	3541	117.00	118.00	1.00	190	0.019	0.023	273	0.027	0.039	4.01	1.4
BC-18	3542	118.00	119.00	1.00	86	0.009	0.011	119	0.012	0.017	3.85	1.4
BC-18	3543	119.00	119.50	0.50	63	0.006	0.008	119	0.012	0.017	0.95	1.9
BC-18	3544	119.50	120.20	0.70	140	0.014	0.017	196	0.020	0.028	3.70	1.4

APPENDIX 2B: CONTINUED

Drillhole	Sample Number	From (m)	To (m)	Interval (m)	Ta ppm	Ta %	Ta_2O_5 %	Nb ppm	Nb %	Nb_2O_5 %	P_2O_5 %	Nb:Ta
BC-18	3545	120.20	120.80	0.60	210	0.021	0.026	252	0.025	0.036	4.01	1.2
BC-18	3546	120.80	122.40	1.60	100	0.010	0.012	224	0.022	0.032	2.33	2.2
BC-18	3547	122.40	123.40	1.00	190	0.019	0.023	112	0.011	0.016	2.49	0.6
BC-18	3548	123.40	124.40	1.00	270	0.027	0.033	405	0.041	0.058	3.02	1.5
BC-18	3549	124.40	125.40	1.00	170	0.017	0.021	1118	0.112	0.160	3.09	6.6
BC-18	3550	125.40	126.40	1.00	160	0.016	0.020	699	0.070	0.100	2.76	4.4
BC-18	3551	126.40	127.40	1.00	150	0.015	0.018	398	0.040	0.057	3.05	2.7
BC-18	3552	127.40	128.20	0.80	170	0.017	0.021	643	0.064	0.092	3.49	3.8
BC-18	3553	145.40	146.40	1.00	190	0.019	0.023	685	0.069	0.098	3.44	3.6
BC-18	3554	146.40	147.40	1.00	180	0.018	0.022	769	0.077	0.110	3.80	4.3
BC-18	3555	147.40	148.40	1.00	48	0.005	0.006	266	0.027	0.038	1.23	5.5
BC-18	3556	148.40	149.40	1.00	120	0.012	0.015	356	0.036	0.051	2.03	3.0
BC-18	3557	149.40	150.40	1.00	220	0.022	0.027	839	0.084	0.120	2.98	3.8
BC-18	3558	150.40	151.40	1.00	180	0.018	0.022	643	0.064	0.092	3.13	3.6
BC-18	3559	151.40	152.00	0.60	270	0.027	0.033	769	0.077	0.110	2.98	2.8
BC-18	3560	152.00	153.00	1.00	190	0.019	0.023	119	0.012	0.017	3.21	0.6
BC-18	3561	153.00	154.00	1.00	52	0.005	0.006	42	0.004	0.006	3.54	0.8
BC-18	3562	154.00	155.00	1.00	73	0.007	0.009	49	0.005	0.007	4.09	0.7
BC-18	3563	155.00	156.00	1.00	93	0.009	0.011	140	0.014	0.020	3.65	1.5
BC-18	3564	156.00	157.00	1.00	74	0.007	0.009	77	0.008	0.011	4.26	1.0
BC-18	3565	157.00	158.00	1.00	120	0.012	0.015	140	0.014	0.020	3.75	1.2
BC-18	3566	158.00	159.00	1.00	99	0.010	0.012	70	0.007	0.010	3.75	0.7
BC-18	3567	159.00	160.00	1.00	120	0.012	0.015	77	0.008	0.011	3.05	0.6
BC-18	3568	160.00	161.00	1.00	380	0.038	0.046	196	0.020	0.028	3.46	0.5
BC-18	3569	161.00	162.00	1.00	230	0.023	0.028	112	0.011	0.016	3.44	0.5
BC-18	3570	162.00	163.00	1.00	180	0.018	0.022	531	0.053	0.076	2.14	3.0
BC-18	3571	163.00	164.00	1.00	100	0.010	0.012	839	0.084	0.120	2.29	8.4
BC-18	3572	164.00	165.00	1.00	210	0.021	0.026	769	0.077	0.110	3.49	3.7
BC-18	3573	165.00	166.00	1.00	180	0.018	0.022	482	0.048	0.069	2.81	2.7
BC-18	3574	166.00	166.60	0.60	140	0.014	0.017	412	0.041	0.059	3.02	2.9
BC-18	3575	169.70	170.70	1.00	150	0.015	0.018	419	0.042	0.060	3.51	2.8
BC-18	3576	170.70	171.70	1.00	210	0.021	0.026	909	0.091	0.130	3.26	4.3
BC-18	3577	171.70	172.70	1.00	140	0.014	0.017	140	0.014	0.020	4.48	1.0
BC-18	3578	172.70	173.70	1.00	170	0.017	0.021	245	0.024	0.035	4.40	1.4
BC-18	3579	173.70	174.70	1.00	200	0.020	0.024	391	0.039	0.056	4.58	2.0
BC-18	3580	174.70	175.70	1.00	290	0.029	0.035	699	0.070	0.100	3.90	2.4
BC-18	3581	175.70	176.70	1.00	380	0.038	0.046	1188	0.119	0.170	4.19	3.1
BC-18	3582	176.70	177.70	1.00	410	0.041	0.050	1188	0.119	0.170	4.19	2.9
BC-18	3583	177.70	178.70	1.00	140	0.014	0.017	356	0.036	0.051	2.92	2.5
BC-18	3584	178.70	179.70	1.00	150	0.015	0.018	405	0.041	0.058	3.44	2.7
BC-18	3585	179.70	180.70	1.00	130	0.013	0.016	287	0.029	0.041	3.01	2.2
BC-18	3586	180.70	181.70	1.00	150	0.015	0.018	363	0.036	0.052	3.18	2.4
BC-18	3587	181.70	182.70	1.00	110	0.011	0.013	315	0.031	0.045	2.58	2.9
BC-18	3588	182.70	183.30	0.60	310	0.031	0.038	1118	0.112	0.160	3.90	3.6
BC-18	3589	186.20	187.20	1.00	130	0.013	0.016	839	0.084	0.120	2.68	6.5
BC-18	3590	187.20	188.20	1.00	52	0.005	0.006	266	0.027	0.038	2.14	5.1
BC-18	3591	188.20	189.20	1.00	86	0.009	0.011	287	0.029	0.041	1.88	3.3
BC-18	3592	189.20	190.20	1.00	140	0.014	0.017	461	0.046	0.066	3.59	3.3
BC-18	3593	190.20	191.20	1.00	120	0.012	0.015	322	0.032	0.046	3.02	2.7
BC-18	3594	191.20	192.20	1.00	140	0.014	0.017	356	0.036	0.051	3.40	2.5
BC-18	3595	192.20	193.20	1.00	210	0.021	0.026	559	0.056	0.080	3.08	2.7
BC-18	3596	193.20	194.20	1.00	140	0.014	0.017	336	0.034	0.048	3.26	2.4
BC-18	3597	194.20	195.20	1.00	260	0.026	0.032	769	0.077	0.110	3.74	3.0

APPENDIX 2B: **CONTINUED**

Drillhole	Sample Number	From (m)	To (m)	Interval (m)	Ta ppm	Ta %	Ta_2O_5 %	Nb ppm	Nb %	Nb_2O_5 %	P_2O_5 %	Nb:Ta
BC-18	3598	195.20	196.20	1.00	190	0.019	0.023	412	0.041	0.059	4.44	2.2
BC-18	3599	196.20	197.20	1.00	190	0.019	0.023	496	0.050	0.071	4.12	2.6
BC-18	3600	197.20	198.20	1.00	180	0.018	0.022	356	0.036	0.051	3.78	2.0
BC-18	3601	198.20	199.20	1.00	140	0.014	0.017	280	0.028	0.040	3.22	2.0
BC-18	3602	199.20	200.10	0.90	220	0.022	0.027	909	0.091	0.130	3.36	4.1
BC-19	3603	106.30	107.30	1.00	180	0.018	0.022	1049	0.105	0.150	2.59	5.8
BC-19	3604	107.30	108.20	0.90	190	0.019	0.023	608	0.061	0.087	3.40	3.2
BC-19	3605	108.20	109.20	1.00	190	0.019	0.023	601	0.060	0.086	3.49	3.2
BC-19	3606	109.20	109.80	0.60	140	0.014	0.017	105	0.010	0.015	3.27	0.7
BC-19	3607	109.80	110.80	1.00	120	0.012	0.015	231	0.023	0.033	2.26	1.9
BC-19	3608	110.80	111.80	1.00	91	0.009	0.011	161	0.016	0.023	2.59	1.8
BC-19	3609	111.80	112.60	0.80	160	0.016	0.020	273	0.027	0.039	4.09	1.7
BC-19	3610	112.60	113.60	1.00	37	0.004	0.005	91	0.009	0.013	1.34	2.5
BC-19	3611	113.60	114.60	1.00	210	0.021	0.026	133	0.013	0.019	3.24	0.6
BC-19	3612	114.60	115.60	1.00	170	0.017	0.021	77	0.008	0.011	2.90	0.5
BC-19	3613	115.60	116.60	1.00	160	0.016	0.020	98	0.010	0.014	3.65	0.6
BC-19	3614	116.60	117.60	1.00	190	0.019	0.023	168	0.017	0.024	2.26	0.9
BC-19	3615	117.60	118.10	0.50	110	0.011	0.013	49	0.005	0.007	1.75	0.4
BC-19	3616	118.10	119.00	0.90	260	0.026	0.032	671	0.067	0.096	2.90	2.6
BC-19	3617	119.00	119.60	0.60	1800	0.180	0.220	1748	0.175	0.250	8.51	1.0
BC-19	3618	119.60	120.00	0.40	210	0.021	0.026	769	0.077	0.110	2.29	3.7
BC-19	3619	120.00	120.50	0.50	78	0.008	0.010	412	0.041	0.059	2.46	5.3
BC-19	3620	120.50	121.00	0.50	220	0.022	0.027	1188	0.119	0.170	2.80	5.4
BC-19	3621	121.00	121.50	0.50	140	0.014	0.017	636	0.064	0.091	2.90	4.5
BC-19	3622	154.50	155.00	0.50	340	0.034	0.042	979	0.098	0.140	3.63	2.9
BC-19	3623	155.00	155.50	0.50	150	0.015	0.018	454	0.045	0.065	2.93	3.0
BC-19	3624	155.50	156.10	0.60	120	0.012	0.015	384	0.038	0.055	2.59	3.2
BC-19	3625	156.10	156.70	0.60	120	0.012	0.015	426	0.043	0.061	2.56	3.6
BC-19	3626	156.70	157.20	0.50	160	0.016	0.020	503	0.050	0.072	2.76	3.1
BC-19	3627	157.20	157.70	0.50	100	0.010	0.012	336	0.034	0.048	2.59	3.4
BC-19	3628	157.70	158.20	0.50	180	0.018	0.022	671	0.067	0.096	3.13	3.7
BC-19	3629	158.20	158.70	0.50	210	0.021	0.026	643	0.064	0.092	4.26	3.1
BC-19	3630	158.70	159.20	0.50	190	0.019	0.023	650	0.065	0.093	4.23	3.4
BC-19	3631	159.20	159.70	0.50	550	0.055	0.067	1831	0.183	0.262	4.64	3.3
BC-19	3632	159.70	160.20	0.50	220	0.022	0.027	1552	0.155	0.222	3.04	7.1
BC-19	3633	160.20	160.70	0.50	290	0.029	0.035	2230	0.223	0.319	3.30	7.7
BC-19	3634	160.70	161.20	0.50	250	0.025	0.031	2293	0.229	0.328	3.17	9.2
BC-19	3635	161.20	161.90	0.70	160	0.016	0.020	1873	0.187	0.268	2.49	11.7
BC-19	3636	161.90	162.70	0.80	300	0.030	0.037	2013	0.201	0.288	3.59	6.7
BC-19	3637	162.70	163.20	0.50	84	0.008	0.010	783	0.078	0.112	2.29	9.3
BC-19	3638	163.20	163.70	0.50	220	0.022	0.027	1398	0.140	0.200	3.65	6.4
BC-19	3639	163.70	164.20	0.50	160	0.016	0.020	1160	0.116	0.166	3.26	7.3
BC-19	3640	164.20	164.70	0.50	120	0.012	0.015	1461	0.146	0.209	2.69	12.2
BC-19	3641	164.70	165.20	0.50	77	0.008	0.009	461	0.046	0.066	2.46	6.0
BC-19	3642	165.20	165.70	0.50	86	0.009	0.011	461	0.046	0.066	1.77	5.4
BC-19	3643	165.70	166.20	0.50	100	0.010	0.012	727	0.073	0.104	2.27	7.3
BC-19	3644	166.20	166.70	0.50	220	0.022	0.027	1643	0.164	0.235	3.54	7.5
BC-19	3645	166.70	167.20	0.50	240	0.024	0.029	1293	0.129	0.185	2.38	5.4
BC-19	3646	167.20	167.70	0.50	200	0.020	0.024	391	0.039	0.056	2.58	2.0
BC-19	3647	167.70	168.20	0.50	150	0.015	0.018	98	0.010	0.014	3.22	0.7
BC-19	3648	168.20	168.70	0.50	60	0.006	0.007	63	0.006	0.009	2.72	1.0
BC-19	3649	168.70	169.20	0.50	85	0.009	0.010	70	0.007	0.010	2.91	0.8

APPENDIX 2B: CONTINUED

Drillhole	Sample Number	From (m)	To (m)	Interval (m)	Ta ppm	Ta %	Ta_2O_5 %	Nb ppm	Nb %	Nb_2O_5 %	P_2O_5 %	Nb:Ta
BC-19	3650	169.20	169.70	0.50	200	0.020	0.024	133	0.013	0.019	3.30	0.7
BC-19	3651	169.70	170.20	0.50	310	0.031	0.038	1202	0.120	0.172	3.49	3.9
BC-19	3652	170.20	170.70	0.50	230	0.023	0.028	1097	0.110	0.157	3.35	4.8
BC-19	3653	170.70	171.20	0.50	170	0.017	0.021	790	0.079	0.113	2.08	4.6
BC-19	3654	171.20	171.70	0.50	160	0.016	0.020	1279	0.128	0.183	2.58	8.0
BC-19	3655	171.70	172.30	0.60	220	0.022	0.027	1000	0.100	0.143	4.01	4.5
BC-19	3656	184.40	185.00	0.60	220	0.022	0.027	1160	0.116	0.166	3.70	5.3
BC-19	3657	185.00	185.50	0.50	200	0.020	0.024	832	0.083	0.119	3.70	4.2
BC-19	3658	185.50	186.00	0.50	190	0.019	0.023	692	0.069	0.099	3.44	3.6
BC-19	3659	186.00	186.50	0.50	170	0.017	0.021	608	0.061	0.087	3.65	3.6
BC-19	3660	186.50	187.00	0.50	250	0.025	0.031	1377	0.138	0.197	3.65	5.5
BC-19	3661	187.00	187.50	0.50	230	0.023	0.028	1258	0.126	0.180	2.58	5.5
BC-19	3662	187.50	188.00	0.50	1100	0.110	0.134	1748	0.175	0.250	4.37	1.6
BC-19	3663	188.00	188.50	0.50	200	0.020	0.024	839	0.084	0.120	2.78	4.2
BC-19	3664	188.50	189.00	0.50	140	0.014	0.017	657	0.066	0.094	2.08	4.7
BC-19	3665	189.00	189.50	0.50	290	0.029	0.035	1181	0.118	0.169	3.17	4.1
BC-19	3666	189.50	190.00	0.50	320	0.032	0.039	2377	0.238	0.340	3.65	7.4
BC-19	3667	190.00	190.50	0.50	280	0.028	0.034	1007	0.101	0.144	3.08	3.6
BC-19	3668	190.50	191.00	0.50	150	0.015	0.018	587	0.059	0.084	2.41	3.9
BC-19	3669	191.00	191.50	0.50	230	0.023	0.028	517	0.052	0.074	2.81	2.2
BC-19	3670	191.50	192.00	0.50	190	0.019	0.023	671	0.067	0.096	3.54	3.5
BC-19	3671	192.00	192.60	0.60	70	0.007	0.009	259	0.026	0.037	1.93	3.7
BC-20	3799	120.70	121.90	1.20	190	0.019	0.023	923	0.092	0.132	3.44	4.9
BC-20	3800	121.90	123.20	1.30	150	0.015	0.018	972	0.097	0.139	2.15	6.5
BC-20	3801	123.20	124.40	1.20	160	0.016	0.020	741	0.074	0.106	1.91	4.6
BC-20	3802	124.40	125.90	1.50	220	0.022	0.027	930	0.093	0.133	2.49	4.2
BC-20	3803	125.90	127.40	1.50	200	0.020	0.024	1356	0.136	0.194	2.94	6.8
BC-20	3804	127.40	130.50	3.10	180	0.018	0.022	867	0.087	0.124	2.97	4.8
BC-20	3805	130.50	131.40	0.90	260	0.026	0.032	1272	0.127	0.182	3.63	4.9
BC-20	3806	131.40	134.10	2.70	230	0.023	0.028	1007	0.101	0.144	2.50	4.4
BC-20	3807	134.10	135.00	0.90	130	0.013	0.016	294	0.029	0.042	2.39	2.3
BC-20	3808	135.00	136.00	1.00	100	0.010	0.012	287	0.029	0.041	2.99	2.9
BC-20	3810	136.00	137.00	1.00	160	0.016	0.020	482	0.048	0.069	2.24	3.0
BC-20	3811	137.00	138.00	1.00	320	0.032	0.039	909	0.091	0.130	2.82	2.8
BC-20	3812	138.00	139.00	1.00	130	0.013	0.016	440	0.044	0.063	1.80	3.4
BC-20	3813	139.00	139.80	0.80	210	0.021	0.026	979	0.098	0.140	2.73	4.7
BC-20	3814	139.80	140.70	0.90	230	0.023	0.028	902	0.090	0.129	2.97	3.9
BC-21	3856	129.10	130.00	0.90	120	0.012	0.015	741	0.074	0.106	3.32	6.2
BC-21	3857	130.00	130.80	0.80	210	0.021	0.026	1209	0.121	0.173	2.82	5.8
BC-21	3858	130.80	131.80	1.00	56	0.006	0.007	350	0.035	0.050	0.65	6.2
BC-21	3859	137.90	138.90	1.00	55	0.006	0.007	147	0.015	0.021	1.07	2.7
BC-21	3860	138.90	139.60	0.70	170	0.017	0.021	119	0.012	0.017	2.12	0.7
BC-21	3861	139.60	140.40	0.80	210	0.021	0.026	370	0.037	0.053	2.66	1.8
BC-21	3862	140.40	141.20	0.80	150	0.015	0.018	853	0.085	0.122	2.97	5.7
BC-21	3863	141.20	142.00	0.80	150	0.015	0.018	370	0.037	0.053	2.75	2.5
BC-21	3864	142.00	142.90	0.90	140	0.014	0.017	608	0.061	0.087	3.02	4.3
BC-21	3865	162.20	163.00	0.80	100	0.010	0.012	182	0.018	0.026	3.97	1.8
BC-21	3866	163.00	163.80	0.80	200	0.020	0.024	301	0.030	0.043	4.68	1.5
BC-21	3867	163.80	164.60	0.80	7	0.001	0.001	21	0.002	0.003	0.60	3.0
BC-21	3868	164.60	164.90	0.30	150	0.015	0.018	140	0.014	0.020	2.80	0.9
BC-21	3869	164.90	165.30	0.40	180	0.018	0.022	182	0.018	0.026	0.53	1.0

APPENDIX 2B: CONTINUED

Drillhole	Sample Number	From (m)	To (m)	Interval (m)	Ta ppm	Ta %	Ta_2O_5 %	Nb ppm	Nb %	Nb_2O_5 %	P_2O_5 %	Nb:Ta
BC-21	3870	165.30	165.80	0.50	210	0.021	0.026	259	0.026	0.037	4.45	1.2
BC-21	3871	165.80	166.70	0.90	110	0.011	0.013	140	0.014	0.020	4.30	1.3
BC-21	3872	166.70	167.50	0.80	110	0.011	0.013	133	0.013	0.019	4.18	1.2
BC-21	3873	167.50	168.40	0.90	240	0.024	0.029	322	0.032	0.046	5.52	1.3
BC-21	3874	168.40	169.30	0.90	96	0.010	0.012	168	0.017	0.024	4.20	1.7
BC-21	3875	169.30	170.10	0.80	120	0.012	0.015	161	0.016	0.023	5.28	1.3
BC-21	3876	170.10	171.30	1.20	350	0.035	0.043	1118	0.112	0.160	5.13	3.2
BC-21	3877	171.30	171.80	0.50	170	0.017	0.021	329	0.033	0.047	5.06	1.9
BC-21	3878	171.80	172.80	1.00	190	0.019	0.023	350	0.035	0.050	5.45	1.8
BC-21	3879	172.80	173.80	1.00	220	0.022	0.027	398	0.040	0.057	5.36	1.8
BC-21	3880	173.80	174.80	1.00	110	0.011	0.013	168	0.017	0.024	4.95	1.5
BC-21	3881	174.80	175.50	0.70	270	0.027	0.033	308	0.031	0.044	5.49	1.1
BC-21	3882	175.50	176.30	0.80	170	0.017	0.021	182	0.018	0.026	4.52	1.1
BC-21	3883	176.30	177.40	1.10	260	0.026	0.032	322	0.032	0.046	5.29	1.2
BC-21	3884	177.40	178.50	1.10	140	0.014	0.017	210	0.021	0.030	4.87	1.5
BC-21	3885	178.50	179.60	1.10	220	0.022	0.027	273	0.027	0.039	4.89	1.2
BC-21	3886	179.60	180.70	1.10	200	0.020	0.024	287	0.029	0.041	5.30	1.4
BC-21	3887	180.70	182.00	1.30	110	0.011	0.013	189	0.019	0.027	5.06	1.7
BC-21	3888	182.00	182.90	0.90	200	0.020	0.024	147	0.015	0.021	4.89	0.7
BC-21	3889	182.90	183.80	0.90	120	0.012	0.015	133	0.013	0.019	4.33	1.1
BC-21	3890	183.80	184.70	0.90	120	0.012	0.015	210	0.021	0.030	4.74	1.7
BC-21	3891	184.70	185.50	0.80	110	0.011	0.013	133	0.013	0.019	3.18	1.2
BC-21	3892	185.50	186.40	0.90	100	0.010	0.012	98	0.010	0.014	3.48	1.0
BC-21	3893	186.40	187.30	0.90	63	0.006	0.008	70	0.007	0.010	3.98	1.1
BC-21	3894	187.30	188.20	0.90	120	0.012	0.015	133	0.013	0.019	4.31	1.1
BC-21	3895	188.20	189.10	0.90	110	0.011	0.013	161	0.016	0.023	4.56	1.5
BC-21	3896	189.10	189.90	0.80	220	0.022	0.027	301	0.030	0.043	4.34	1.4
BC-21	3897	189.90	191.00	1.10	160	0.016	0.020	210	0.021	0.030	4.33	1.3
BC-21	3898	191.00	192.00	1.00	73	0.007	0.009	98	0.010	0.014	4.78	1.3
BC-21	3899	192.00	193.00	1.00	140	0.014	0.017	182	0.018	0.026	5.10	1.3
BC-21	3900	193.00	194.00	1.00	140	0.014	0.017	182	0.018	0.026	4.26	1.3
BC-21	3901	194.00	195.00	1.00	5	0.001	0.001	28	0.003	0.004	0.21	5.6
BC-21	3902	195.00	195.80	0.80	92	0.009	0.011	168	0.017	0.024	3.95	1.8
BC-21	3903	195.80	196.60	0.80	150	0.015	0.018	119	0.012	0.017	4.03	0.8
BC-21	3904	196.60	197.60	1.00	360	0.036	0.044	671	0.067	0.096	3.80	1.9
BC-21	3905	197.60	198.70	1.10	210	0.021	0.026	482	0.048	0.069	3.08	2.3
BC-21	3906	198.70	199.70	1.00	210	0.021	0.026	699	0.070	0.100	3.96	3.3
BC-21	3907	199.70	200.70	1.00	170	0.017	0.021	601	0.060	0.086	3.69	3.5
BC-21	3908	200.70	201.80	1.10	170	0.017	0.021	531	0.053	0.076	4.21	3.1
BC-21	3909	201.80	203.00	1.20	150	0.015	0.018	580	0.058	0.083	4.15	3.9

APPENDIX 3: ANALYTICAL RESULTS FOR THE 1980 AND 1981 SURFACE SAMPLES AT THE BLUE RIVER PROPERTY

Sample Number	Ta ppm	Ta_2O_5 %	Nb ppm	Nb_2O_5 %	P_2O_5 %	Sample Area
3722	64	0.0078	80	0.011	3.29	1630-B
3721	200	0.0244	180	0.026	3.73	1630-C
3716	170	0.0208	350	0.050	4.54	1630-D
3717	110	0.0134	240	0.034	4.60	1630-D
3718	140	0.0171	300	0.043	4.22	1630-D
3719	130	0.0159	310	0.044	4.57	1630-D
3720	88	0.0107	420	0.060	4.85	1630-D
611	130	0.0159	280	0.040		Area I
612	400	0.0488	500	0.072		Area I
613	220	0.0269	330	0.047		Area I
614	280	0.0342	2190	0.313		Area I
615	50	0.0061	600	0.086		Area I
616	45	0.0055	60	0.009		Area I
617	68	0.0083	120	0.017		Area I
618	34	0.0042	610	0.087		Area I
619	190	0.0232	260	0.037		Area I
620	38	0.0046	40	0.006		Area I
621	78	0.0095	80	0.011		Area I
634	17	0.0021	230	0.033		Area II
635	180	0.0220	720	0.103		Area II
715	14	0.0017	220	0.031		Area II
716	32	0.0039	260	0.037		Area II
706	39	0.0048	110	0.016		Area II
707	350	0.0427	1570	0.225		Area II
709	130	0.0159	170	0.024		Area II
708	150	0.0183	230	0.033		Area II
710	84	0.0103	140	0.020		Area II
713	94	0.0115	350	0.050		Area II
712	93	0.0114	250	0.036		Area II
714	120	0.0147	350	0.050		Area II
711	43	0.0053	90	0.013		Area II
630	270	0.0330	670	0.096		Area III
631	2400	0.2930	4001	0.572		Area III
632	270	0.0330	670	0.096		Area III
633	140	0.0171	1250	0.179		Area III
718	340	0.0415	910	0.130		Area III
719	64	0.0078	130	0.019		Area III
720	460	0.0562	1020	0.146		Area III
721	410	0.0501	890	0.127		Area III
722	120	0.0147	230	0.033		Area III
723	17	0.0021	20	0.003		Area III
724	470	0.0574	1150	0.165		Area III
725	87	0.0106	180	0.026		Area III
643	74	0.0090	240	0.034		Area IV
644	97	0.0118	860	0.123		Area IV
645	64	0.0078	110	0.016		Area IV
646	18	0.0022	30	0.004		Area IV
647	120	0.0147	230	0.033		Area IV
648	160	0.0195	300	0.043		Area IV
649	9	0.0011	10	0.001		Area IV
650	73	0.0089	170	0.024		Area IV
651	28	0.0034	60	0.009		Area IV
652	540	0.0659	2341	0.335		Area IV
653	110	0.0134	360	0.052		Area IV

APPENDIX 3: ANALYTICAL RESULTS FOR THE 1980 AND 1981 SURFACE SAMPLES

Sample Number	Ta ppm	Ta_2O_5 %	Nb ppm	Nb_2O_5 %	P_2O_5 %	Sample Area
654	110	0.0134	330	0.047		Area IV
655	300	0.0366	840	0.120		Area IV
656	180	0.0220	520	0.074		Area IV
657	83	0.0101	250	0.036		Area IV
658	120	0.0147	330	0.047		Area IV
659	180	0.0220	430	0.062		Area IV
660	220	0.0269	1130	0.162		Area IV
661	210	0.0256	610	0.087		Area IV
662	100	0.0122	250	0.036		Area IV
663	250	0.0305	530	0.076		Area IV
664	120	0.0147	340	0.049		Area IV
665	120	0.0147	460	0.066		Area IV
666	130	0.0159	380	0.054		Area IV
667	110	0.0134	240	0.034		Area IV
668	120	0.0147	280	0.040		Area IV
672	56	0.0068	240	0.034		Area V
675	51	0.0062	320	0.046		Area V
674	66	0.0081	290	0.041		Area V
673	69	0.0084	140	0.020		Area V
678	56	0.0068	180	0.026		Area V
677	110	0.0134	260	0.037		Area V
676	300	0.0366	370	0.053		Area V
680	12	0.0015	69	0.010		Area V
679	30	0.0037	170	0.024		Area V
681	14	0.0017	40	0.006		Area V
682	230	0.0281	330	0.047		Area V
704	5	0.0006	10	0.001		Area VI
688	5	0.0006	10	0.001		Area VI
689	5	0.0006	10	0.001		Area VI
699	5	0.0006	10	0.001		Area VI
698	5	0.0006	10	0.001		Area VI
700	5	0.0006	10	0.001		Area VI
705	7	0.0009	20	0.003		Area VII
11832	123	0.0150	321	0.046		Columbite Pit
4501	200	0.0244	2027	0.290	3.94	Columbite Pit
4502	65	0.0079	1678	0.240	4.63	Columbite Pit
4503	110	0.0134	2237	0.320	4.41	Columbite Pit
4504	84	0.0103	419	0.060	4.13	Columbite Pit
4505	150	0.0183	559	0.080	4.35	Columbite Pit
4506	380	0.0464	1048	0.150	5.13	Columbite Pit
690	5	0.0006	10	0.001		East Paradise Cirque
691	5	0.0006	10	0.001		East Paradise Cirque
692	5	0.0006	10	0.001		East Paradise Cirque
693	9	0.0011	200	0.029		East Paradise Cirque
694	6	0.0007	110	0.016		East Paradise Cirque
695	18	0.0022	290	0.041		East Paradise Cirque
696	14	0.0017	230	0.033		East Paradise Cirque
697	10	0.0012	190	0.027		East Paradise Cirque
11836	205	0.0250	1538	0.220		Fir Carbonatite
11837	205	0.0250	2083	0.298		Fir Carbonatite
4512	110	0.0134	1328	0.190	2.11	FIR-AZ1 Showing
4513	200	0.0244	1958	0.280	2.66	FIR-AZ1 Showing
4514	390	0.0476	2377	0.340	4.12	FIR-AZ1 Showing
4515	200	0.0244	1538	0.220	2.76	FIR-AZ1 Showing
4516	160	0.0195	1678	0.240	2.73	FIR-AZ1 Showing

APPENDIX 3: ANALYTICAL RESULTS FOR THE 1980 AND 1981 SURFACE SAMPLES

Sample Number	Ta ppm	Ta_2O_5 %	Nb ppm	Nb_2O_5 %	P_2O_5 %	Sample Area
4517	260	0.0317	3216	0.460	2.52	FIR-AZ1 Showing
4518	180	0.0220	2097	0.300	2.52	FIR-AZ1 Showing
4519	180	0.0220	2517	0.360	2.33	FIR-AZ1 Showing
628	46	0.0056	230	0.033		North of SwCk
629	5	0.0006	10	0.001		North of SwCk
643F	120	0.0147	1080	0.155		O/C N of Fir Discovery
728	130	0.0159	960	0.137		O/C N of Fir Discovery
729	110	0.0134	640	0.092		O/C N of Fir Discovery
730	270	0.0330	570	0.082		O/C N of Fir Discovery
731	160	0.0195	500	0.072		O/C N of Fir Discovery
732	64	0.0078	520	0.074		O/C N of Fir Discovery
733	150	0.0183	860	0.123		O/C N of Fir Discovery
3834	27	0.0033	279	0.040	1.31	Old Pit
3832	69	0.0084	279	0.040	2.74	Old Pit
3835	100	0.0122	279	0.040	3.54	Old Pit
3833	150	0.0183	349	0.050	3.56	Old Pit
683	11	0.0013	110	0.016		Paradise Cirque
684	13	0.0016	140	0.020		Paradise Cirque
685	16	0.0020	180	0.026		Paradise Cirque
686	6	0.0007	120	0.017		Paradise Cirque
687	14	0.0017	220	0.031		Paradise Cirque
701	12	0.0015	160	0.023		Paradise Cirque
702	8	0.0010	160	0.023		Paradise Cirque
703	5	0.0006	5	0.001		Paradise Cirque
717	5	0.0006	20	0.003		Paradise Creek
726	150	0.0183	250	0.036		Paradise Creek
669	5	0.0006	10	0.001		Paradise Peak
670	5	0.0006	10	0.001		Paradise Peak
671	5	0.0006	20	0.003		Paradise Peak
11826	0	0.0000	6	0.001		Pegmatite
11840	0		0			Serpentine Bulk
11833	25	0.0030	160	0.023		Serpentine Ck Road A
11834	49	0.0060	237	0.034		Serpentine Ck Road A
11835	147	0.0180	545	0.078		Serpentine Ck Road B
11839	0		0			Specimen Pit
11828	401	0.0490	3587	0.513		Specimen Pit
11838	197	0.0240	1685	0.241		Specimen Pit
11827	156	0.0190	1349	0.193		Specimen Pit
11829	90	0.0110	1027	0.147		Specimen Pit
11830	115	0.0140	685	0.098		Specimen Pit
11831	41	0.0050	125	0.018		Specimen Pit
3537	140	0.0171	1048	0.150	2.47	Specimen Pit
3538	210	0.0256	2027	0.290	2.47	Specimen Pit
3535	160	0.0195	2237	0.320	2.31	Specimen Pit
3536	200	0.0244	2027	0.290	2.74	Specimen Pit
3533	110	0.0134	1118	0.160	1.35	Specimen Pit
3534	120	0.0147	1188	0.170	1.52	Specimen Pit
3531	270	0.0330	1468	0.210	3.00	Specimen Pit
3532	160	0.0195	1188	0.170	2.94	Specimen Pit
3539	230	0.0281	1258	0.180	2.77	Specimen Pit
3822	200	0.0244	1097	0.157	1.30	Specimen Pit
3824	210	0.0256	461	0.066	3.13	Specimen Pit
3823	130	0.0159	769	0.110	1.06	Specimen Pit
3825	89	0.0109	622	0.089	1.10	Specimen Pit
3816	110	0.0134	867	0.124	1.66	Specimen Pit

APPENDIX 3: ANALYTICAL RESULTS FOR THE 1980 AND 1981 SURFACE SAMPLES

Sample Number	Ta ppm	Ta_2O_5 %	Nb ppm	Nb_2O_5 %	P_2O_5 %	Sample Area
3817	77	0.0094	601	0.086	0.63	Specimen Pit
3818	100	0.0122	657	0.094	2.32	Specimen Pit
3819	75	0.0092	650	0.093	0.76	Specimen Pit
3820	250	0.0305	1048	0.150	3.58	Specimen Pit
3821	120	0.0147	468	0.067	2.95	Specimen Pit
636	5	0.0006	10	0.001		Switch Ck
637	6	0.0007	40	0.006		Switch Ck
638	16	0.0020	90	0.013		Switch Ck
639	14	0.0017	100	0.014		Switch Ck
640	23	0.0028	110	0.016		Switch Ck
641	16	0.0020	60	0.009		Switch Ck
642	87	0.0106	150	0.021		Switch Ck
622	21	0.0026	170	0.024		VCC
623	57	0.0070	90	0.013		VCC
624	58	0.0071	70	0.010		VCC
3831	110	0.0134	769	0.110	1.18	VCC Upper
3830	150	0.0183	279	0.040	1.97	VCC Upper
3829	110	0.0134	349	0.050	2.35	VCC Upper
3828	96	0.0117	279	0.040	2.70	VCC Upper
4520	370	0.0452	3146	0.450	1.97	VCC Upper
4521	230	0.0281	3706	0.530	1.18	VCC Upper
625	260	0.0317	1140	0.163		VCC Upper
626	150	0.0183	1000	0.143		VCC Upper
627	170	0.0208	1200	0.172		VCC Upper
727	5	0.0006	10	0.001		west of Hwy 97
10643	97	0.0118	1915	0.2738	2.41	Fir
10644	28	0.0034	665	0.0951	0.64	Fir
10645	76	0.0093	616	0.0881	3.92	Specimen Pit Road
10646	54	0.0066	1778	0.2542	2.00	Specimen Pit Road
10647	5	0.0006	26	0.0037	2.91	Specimen Pit Road
10648	74	0.0090	602	0.0861	1.11	Specimen Pit Road
10648RE	79	0.0096	614	0.0878	0.99	Specimen Pit Road
10649	113	0.0138	1211	0.1732	2.05	Specimen Pit Road
10650	109	0.0133	1578	0.2256	2.23	Specimen Pit Road

APPENDIX 4: DESCRIPTIONS AND COMPOSITIONS OF SAMPLES COLLECTED IN 2000 FROM THE BLUE RIVER PROPERTY

Notes: Coordinates are UTM NAD 27; see Appendix 3A for analytical results.

Sample	Coordinates		Sample		Description	Counts Per Second	Analysis	
	Easting	Northing	Type	Length (m)			Nb_2O_5 (%)	Ta_2O_5 (%)
11826	352643	5802833	grab outcrop	--	pegmatite; white weathered, white fresh, very coarse-grained interlocking quartz+feldspar crystals, massive, hard, abundant large muscovite books to 3 cm thick by 15 cm across	6,000	0.001	0.000
11827	353413	5807399	chip outcrop	1.25	Specimen Pit: carbonatite; buff weathered, yellow/brown fresh, friable, rusty calcite (?) crystals up to 2 cm, moderate HCl fizz, abundant dark lath shaped minerals (hornblende ?), rare biotite flecks, nodules and clots magnetite to 5 cm wide, sample from base of exposure south of pegmatite	12,000	0.193	0.019
11828	353413	5807399	chip outcrop	1.5	Specimen Pit: as 11827, well defined magnetite layers cm's thick 15-20 cm apart, offset 3 m NE along exposed face from 11827, sample to top of exposure	15,000	0.513	0.049
11829	353413	5807399	chip outcrop	1.5	Specimen Pit: as 11827, hard compitent unaltered block, at top of exposure north of pegmatite	8,000	0.147	0.011
11830	353413	5807399	chip outcrop	1.0	Specimen Pit: as 11827, continuous down exposure from 11829	10,500	0.098	0.014
11831	353413	5807399	chip outcrop	1.5	Specimen Pit: as 11827, locally massive, continuous down exposure from 11830 to base	9,000	0.018	0.005
11832	353475	5807498	grab outcrop	--	Columbite Pit: carbonatite; buff weathered, white/buff fresh, medium-grained calcite-dolomite crystals, weak HCl fizz, abundant amphibole laths, small magnetite clots, rare clear brown/grey elongate egg shaped crystals to 2 mm	10,500	0.046	0.015
11833	357252	5806383	chip outcrop	2.0	Road Side: carbonatite; buff weathered, yellow/buff fresh, intensely weathered, medium-grained calcite-dolomite crystals, weak HCl fizz, abundant small biotite books, layers and clots magnetite	9,600	0.023	0.003
11834	357252	5806383	chip outcrop	2.0	Road Side: carbonatite; as 11833, rare magnetite clots	7,500	0.034	0.006
11835	357213	5806543	grab outcrop	--	Road Side: carbonatite; buff weathered, white fresh, coarse-grained interlocking calcite crystals, aggressive HCl fizz, abundant green laths (hornblende?), rare small biotite fleck, frequent gemmy clear brown/grey elongate egg shaped crystals to 2 mm	12,000	0.078	0.018
11836	351774	5797359	grab float	--	Fir: carbonatite; red/brwon weathered, white fresh, massive calcite, aggressive HCl fizz, abundant oriented laths (hornblende?), rare small pyrrhotite and magnetite clots, abundant gemmy clear brown/grey elongate egg shaped crystals to 2 mm, large angular boulders in washout along rail line	7,500	0.220	0.025

APPENDIX 4: CONTINUED

Sample	Coordinates		Sample		Description	Counts	Analysis	
	Easting	Northing	Type	Length (m)		Per Second	Nb_2O_5 (%)	Ta_2O_5 (%)
11837	351774	5797359	grab float	--	Fir: carbonatite; as 11836	7,500	0.298	0.025
11838	353413	5807399	grab outcrop	--	Specimen Pit: carbonatite; buff weathered, yellow/brown fresh, friable, rusty calcite (?) crystals up to 2 cm, moderate HCl fizz, abundant dark lath shaped minerals (hornblende ?), rare biotite flecks, nodules and clots magnetite to 5 cm wide, local rare pyrochlore crystals to 5 mm, sample at top of exposure 3 m north of 11827	22,500	0.241	0.024
11839	357213	5806543	grab outcrop	--	Specimen Pit (bulk sample): as 11838	22,500	--	--
11840	357213	5806543	grab outcrop	--	Road Side (bulk sample): carbonatite; buff weathered, white fresh, coarse-grained interlocking calcite crystals, aggressive HCl fizz, abundant green laths (hornblende? rare small biotite fleck, frequent gemmy clear brown/grey elongate egg shaped crystals to 2 mm, at 118 35 sample site	7,500	--	--

APPENDIX 5: ANALYTICAL RESULTS FOR THE 2001 SURFACE SAMPLES AT THE BLUE RIVER PROPERTY

Sample Number	Ta ppm	Ta_2O_5 %	Nb ppm	Nb_2O_5 %	P_2O_5 %	Sample Area
10643	97	0.0118	1915	0.2738	2.41	Fir
10644	28	0.0034	665	0.0951	0.64	Fir
10645	76	0.0093	616	0.0881	3.92	Specimen Pit Road
10646	54	0.0066	1778	0.2542	2.00	Specimen Pit Road
10647	5	0.0006	26	0.0037	2.91	Specimen Pit Road
10648	74	0.0090	602	0.0861	1.11	Specimen Pit Road
10648RE	79	0.0096	614	0.0878	0.99	Specimen Pit Road
10649	113	0.0138	1211	0.1732	2.05	Specimen Pit Road
10650	109	0.0133	1578	0.2256	2.23	Specimen Pit

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Edmonton Office
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Page 1

Verity and Fir Properties

Gemcom Reserves Reporting/Volumetrics

Gemcom Reserves Report Detailed Information Page

Included Report Contents:

Obtain rock type from block model
Obtain grades from block model
Use surfaces
Obtain densities from block model
Create ASCII report file
Include report details

Needle Information:

Needle Orientation : Block Model Levels
Needle Integration Level: Level 2 - 4 needles per cell
Needle Pattern Type : Regular Gauss

Reserves Report Profile Information

Reserves Reporting Profile: ORE

Group Number	Rock Group	Grade Group
1	BEFOR	BEFOR

Supression of Zero Value Categories: YES

Rock Group Profiles Information

Rock Group Name	Active Rock Code
BEFOR	BEFOR

Reserves Report Rock Code Information

Code	Ore ?	Density	Block Model Folder	Block Model Code
BEFOR	YES	2.9300	* Default Folder *	2

NOTE: Only solids with ORE rock types will access block models for grades/density.
Non-ORE solids use the values assigned to the individual solid.

Default Rock Code: BEFOR

Grade Group Profiles Information

Grade Group Name : BEFOR
Control Element 1

Description	TANTALUM From	To
.04-.045	0.0400	0.0450
.035-.04	0.0350	0.0400
.03-.035	0.0300	0.0350
.025-.03	0.0250	0.0300
.02-.025	0.0200	0.0250
.015-.02	0.0150	0.0200
.005-.015	0.0050	0.0150
.001-.005	0.0010	0.0050

Default Grade: Grade Element Value

TANTALUM	0.0000
NIOBIUM	0.0000
PHOSPHATE	0.0000
TA	0.0000
NB	0.0000
P	0.0000

Reserves Report Active Solids Information

Number	Name 1	Name 2	Name 3	Category	Rock Code
1	Befor	Verity		Geology	BEFOR

Reserves Report Active Surface Information

Number	Name 1	Name 2	Name 3	Category	Above Material	Below Material
2	Resource	Bottom		Excavation	<none>	<none>
3	Verity3			Topography	<none>	<none>

Reserves Report Active Surface Information

Top Surface: Verity3
Bottom Surface: Resource Bottom

Reserves Report Block Model Information

The following block models were accessed:
Block Folder: Standard
- Rock Type (Rock Model)
- Density (Density Model)
- Percent (Percent Model)
- TANTALUM (Grade 1 Model)
- NIOBIUM (Grade 2 Model)
- PHOSPHATE (Grade 3 Model)

Report 1 of 2: Incremental

Totals for ROCKGROUP BEFOR

GRADEGROUP	VOLUME M**3	DENSITY T per M**3	TONNAGE T	TANTALUM Grade	NIOBIUM Grade	PHOSPHATE Grade
.035-.04	4.502	2.930	13.192	0.0369	0.0846	3.59
.03-.035	20.319	2.930	59.536	0.0322	0.0706	3.72
.025-.03	113.258	2.930	331.846	0.0263	0.0417	4.11
.02-.025	184.249	2.930	539.849	0.0219	0.0617	3.32
.015-.02	723.033	2.930	2118.486	0.0175	0.0686	3.01
.005-.015	1091.122	2.930	3196.987	0.0106	0.0490	3.45
.001-.005	273.670	2.930	801.854	0.0030	0.0084	3.78
Total	2410.153	2.930	7061.750	0.0137	0.0511	3.38

**** GRAND TOTAL SUMMARY ***

Total	2410.153	2.930	7061.750	0.0137	0.0511	3.38

** Uncategorized Material **

GRADEGROUP	VOLUME M**3	DENSITY T per M**3	TONNAGE T	TANTALUM Grade	NIOBIUM Grade	PHOSPHATE Grade
Total	1519.547	2.930	4452.272	0.0000	0.0000	0.01

Report 2 of 2: Cumulative

Totals for ROCKGROUP BEFOR

GRADEGROUP	VOLUME M**3	DENSITY T per M**3	TONNAGE T	TANTALUM Grade	NIOBIUM Grade	PHOSPHATE Grade

.035-.04	4.502	2.930	13.192	0.0369	0.0846	3.59
.03-.035	24.822	2.930	72.727	0.0331	0.0731	3.70
.025-.03	138.079	2.930	404.573	0.0275	0.0473	4.04
.02-.025	322.328	2.930	944.422	0.0243	0.0555	3.63
.015-.02	1045.361	2.930	3062.908	0.0196	0.0646	3.20
.005-.015	2136.483	2.930	6259.895	0.0150	0.0566	3.33
.001-.005	2410.153	2.930	7061.750	0.0137	0.0511	3.38
Total	2410.153	2.930	7061.750	0.0137	0.0511	3.38

****

**** GRAND TOTAL SUMMARY ***

Total	2410.153	2.930	7061.750	0.0137	0.0511	3.38

^^

** Uncategorized Material **

GRADEGROUP	VOLUME M**3	DENSITY T per M**3	TONNAGE T	TANTALUM Grade	NIOBIUM Grade	PHOSPHATE Grade
Total	1519.547	2.930	4452.272	0.0000	0.0000	0.01

NOTE: Total Needle Volume = 3929699.950

If this volume does not match the grand total volume of the report,
some material was not assigned to reporting bins.
If this was not intentional, it will have resulted from one or more
of the following:

- missing rock codes in rock groups
- missing ranges in grade groups
- incorrect plane definitions

Packets handled : 25969 Segments outside blockmodel limits : 0

PROBLEM: 676540 blocks were found that did not sum up to 100 Percent!

Fir Carbonatite Sample # 10644

Fir Carbonatite Sample # 10643
(20m upslope from 10644)

Verity Carbonatite Sample # 10645

Verity Carbonatite Sample # 10646

Verity Carbonatite Sample # 10647

Verity Carbonatite Sample # 10648

Verity Carbonatite Sample # 10649

Verity Carbonatite Sample # 10650 (Specimen Pit)

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

WHOLE ROCK ICP ANALYSIS

Dahrouge Geological Consulting File # A101471

18 - 10509 - 81 Ave, Edmonton AB T6E 1T7 Submitted by: Jody Dahrouge

SAMPLE#	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	MgO %	CaO %	Na_2O %	K_2O %	TiO_2 %	P_2O_5 %	MnO %	Cr_2O_3 %	Ba ppm	Ni ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
10643	3.91	.08	8.63	14.37	29.85	.42	.07	.01	2.41	1.00	.007	57	22	5	39.1	11.23	.13	99.87
10644	2.54	.05	8.99	15.94	30.06	.29	.05	<.01	.64	1.07	.007	53	<20	4	40.6	12.19	.08	100.25
10645	2.73	.11	6.42	16.18	30.65	.23	.17	.08	3.92	.32	.008	115	<20	21	39.7	11.14	<.01	100.53
10646	2.27	.03	6.04	17.11	30.01	.19	.15	.01	2.00	.38	.005	106	24	39	42.1	12.00	.02	100.32
10647	1.38	<.03	5.89	16.97	30.80	.08	.08	.01	2.91	.32	.010	94	67	16	41.8	11.90	.02	100.28
10648	1.68	<.03	5.51	18.10	29.58	.14	.16	<.01	1.11	.37	.008	151	44	23	43.5	12.19	.06	100.18
RE 10648	1.61	<.03	5.56	18.13	29.52	.15	.13	<.01	.99	.37	.010	153	<20	23	43.7	12.48	.04	100.19
10649	2.10	<.03	5.84	17.71	30.19	.21	.16	.01	2.05	.37	.011	117	106	25	41.7	11.71	.06	100.38
10650	2.31	<.03	5.81	17.37	29.73	.26	.19	.01	2.23	.37	.007	120	<20	28	41.8	11.62	.06	100.11
STANDARD SO-15/CSB	50.17	12.95	7.14	7.21	5.82	2.44	1.85	1.71	2.71	1.37	1.050	1976	76	13	5.9	2.44	5.35	100.55

GROUP 4A - 0.200 GM SAMPLE BY LIBO2 FUSION, ANALYSIS BY ICP-ES. LOI BY LOSS ON IGNITION.
TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)
- SAMPLE TYPE: ROCK R150 60C
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: MAY 29 2001 **DATE REPORT MAILED:** June 6/01 **SIGNED BY** ..C. L...... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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GEOCHEMICAL ANALYSIS CERTIFICATE

Dahrouge Geological Consulting File # A101471 (a)
18 - 10509 - 81 Ave, Edmonton AB T6E 1T7 Submitted by: Jody Dahrouge

SAMPLE#	Co ppm	Cs ppm	Ga ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	Th ppm	Tl ppm	U ppm	V ppm	W ppm	Zr ppm	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
10643	15.8	<.1	<.5	<.5	1914.8	1.6	<1	4299.1	96.6	4.0	.4	2.4	11	<1	8.2	25.4	117.9	239.4	27.41	107.0	16.4	4.84	12.66	1.45	6.48	1.15	2.32	.30	1.41	.19
10644	14.0	<.1	<.5	<.5	665.3	<.5	<1	4022.2	27.7	1.0	.2	.1	9	<1	6.0	13.5	64.5	125.2	13.55	51.5	8.1	2.45	6.01	.71	3.50	.56	1.37	.17	.87	.16
10645	24.9	.1	2.6	.8	615.8	2.1	1	3107.9	75.9	4.2	.2	62.5	35	<1	29.9	21.4	156.4	308.6	35.57	132.8	20.6	5.98	14.87	1.61	6.54	.96	1.89	.21	1.07	.12
10646	19.3	.2	<.5	<.5	1777.6	1.9	<1	3189.7	54.0	9.2	.2	8.4	9	<1	5.5	14.3	109.7	216.1	24.47	92.6	13.8	3.97	9.98	1.03	4.42	.69	1.23	.15	.79	.11
10647	16.0	.3	1.8	1.2	26.0	4.4	<1	3367.5	4.8	.6	.2	4.3	19	<1	52.9	18.1	133.2	270.3	30.79	120.8	17.8	5.05	12.45	1.34	5.54	.80	1.58	.19	.86	.11
10648	23.9	.2	<.5	<.5	602.3	3.5	<1	4098.3	74.0	2.1	.2	44.8	7	<1	2.7	12.6	106.3	203.1	22.28	82.9	12.0	3.39	8.31	.84	3.92	.54	1.08	.13	.60	.09
RE 10648	22.9	<.1	<.5	<.5	613.7	1.9	<1	4114.7	78.9	2.2	.2	48.4	7	<1	2.1	12.8	101.6	201.2	21.89	82.4	12.4	3.57	8.29	.86	3.66	.60	1.05	.13	.61	.07
10649	22.8	<.1	<.5	<.5	1211.2	1.6	1	4159.4	112.8	3.6	.2	57.2	10	<1	2.7	18.4	154.2	297.9	33.41	121.1	17.7	5.39	12.88	1.38	5.93	.85	1.63	.16	.87	.09
10650	21.5	<.1	<.5	<.5	1577.9	2.2	2	4147.3	108.8	5.4	.2	36.3	13	<1	3.6	19.0	155.4	302.8	33.08	125.9	18.1	5.20	13.04	1.38	5.33	.87	1.68	.20	.87	.09
STANDARD SO-15	21.4	2.7	17.4	26.4	32.6	66.6	16	401.0	1.3	24.4	1.0	20.0	155	18	1048.1	24.1	29.2	57.7	6.16	22.3	3.9	.98	4.20	.64	3.85	.86	2.49	.42	2.58	.44

GROUP 4B - REE - LiBO2 FUSION, ICP/MS FINISHED.
- SAMPLE TYPE: ROCK R150 60C
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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Data FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Dahrouge Geological Consulting File # A101471 (b)
18 - 10509 - 81 Ave, Edmonton AB T6E 1T7 Submitted by: Jody Dahrouge

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm	Ag ppm	Au** ppb	Pt** ppb	Pd** ppb
10643	1	<1	<3	34	<1	<2	.8	<.5	<.5	<.5	<2	<2	3
10644	<1	<1	<3	33	<1	<2	.5	.8	<.5	<.5	3	<2	4
10645	1	1	<3	21	<1	<2	.3	.7	<.5	<.5	4	<2	<2
10646	1	<1	<3	17	<1	<2	.3	<.5	<.5	<.5	2	<2	2
10647	1	<1	<3	20	<1	<2	.2	.7	<.5	<.5	2	<2	2
10648	1	<1	<3	17	<1	<2	.4	<.5	<.5	<.5	2	<2	3
RE 10648	1	<1	<3	18	<1	<2	.4	<.5	<.5	<.5	<2	5	2
10649	1	<1	<3	17	1	<2	.4	.5	<.5	<.5	<2	3	<2
10650	1	<1	<3	20	1	<2	.4	<.5	<.5	<.5	<2	3	<2
STANDARD C3/FA-10R	26	67	32	177	34	62	25.0	14.7	21.6	5.9	502	468	493
STANDARD G-2	2	2	3	49	7	<2	<.2	<.5	<.5	<.5	-	-	-

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 60C AU** PT** PD** BY FIRE ASSAY & ANALYSIS BY ICP-ES. (30 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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Data ✓ FA ____