2.26185

REPORT ON 2003 GEOLOGICAL MAPPING AND PEGMATITE AND IRON FORMATION EXAMINATIONS

SEPARATION LAKE, ONTARIO (52 L/8 SW)

CLAIMS K 1220669 and K 1133795 (Mapped Area),

CLAIM SHEETS Paterson Lake G-2634

TANTALUM MINING CORPORATION OF CANADA LIMITED
P.O. BOX 200, LAC DU BONNET, MANITOBA, R0E 1A0 / (204) 884-2400

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BERNIC LAKE, MANITOBA

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INTRODUCTION

During the time span of May 22nd and May 30th, 2003, a geological mapping program was performed on claims K122069 and K1133795 program by the Tantalum Mining Corporation of Canada Limited (Tanco) in the Separation Lake region of northwest Ontario. Tanco has been exploring this region for several years for tantalum-enriched pegmatites. The area mapped had priory been looked, however, no assessment was submitted. A detailed mapping program was conducted over the claims using hip-chained lines with GPS support. As well, several pegmatites in the region were examined and sampled. It was hoped that in using analytical geochemistry, that the complex nature of what appeared to be several generations of pegmatite fields could be unraveled.

The expenditures for this program may be viewed in Appendix A. (Program Expenditures for 1999).

CLAIM GROUP

The Separation Lake property is under a joint venture agreement between Gossan Resources Limited (Gossan Resources) of Winnipeg, Manitoba and Tantalum Mining Corporation of Canada Limited. At present, the property consists of 33 claims totaling 147 claim units (Table 1). All claims are held jointly with Tanco (operators) holding 50.1% and Gossan holding 49.9%.

The address and contact name for the holders of the claims are as follows:

Tantalum Mining Corporation of Canada Limited
PO Box 2000
Lac du Bonnet, Manitoba
R0E 1A0

Contact:
Peter Vanstone
Chief Geologist
(204) 884-2400 ext. 226

Gossan Resources Limited
52 Donald Street
Winnipeg, Manitoba
R3C 1L6

Contact:
Jim Campbell
President
(204) 943-1990

LOCATION AND ACCESS

The property is situated approximately 75 kilometres north of Kenora, Ontario (Figure 1). The 33 claims (Table 1) are mainly situated north of the English River and to the northwest of Separation Lake (Figure 2).

Access to the area is via the English River Road, an all-weather gravel road. The English River Road turn-off is 24 kilometres north of the Trans-Canada Highway along Highway 566 to Reddit, Ontario. A network of abandoned secondary clay and sand based logging

and drill roads dissects the property. As well, the southern and central portions of the property are accessible by boat via the English River and the eastern portion by via Separation Lake.

Table 1: Separation lake claims

CLAIM NUMBER	CLAIM SHEET	CLAIM SHEET NAME	NTS NUMBER	DATE STAKED	DATE RECORDED	CLAIM HECTRES	CLAIM UNITS
K 1178866	G-2651	Treelined Lake	52-L-8SW	11-Jan-97	13-Jan-97	32	2
K 1149772	G-2651	Treelined Lake	52-L-8SW	01-Sep-96	11-Sep-96	16	1
K 1178867	G-2651	Treelined Lake	52-L-8SW	11-Jan-97	13-Jan-97	32	2
K 1178575	G-2651	Treelined Lake	52-L-8SW	11-Jan-96	17-Jan-96	32	2
K 1178574	G-2651	Treelined Lake	52-L-8SW	11-Jan-96	17-Jan-96	64	4
K 1178787	G-2651	Treelined Lake	52-L-8SW	28-May-96	07-Jun-96	48	3
K 1178730	G-2634	Paterson Lake	52-L-7SE	02-May-96	05-May-96	48	3
K 1178295	G-2651	Treelined Lake	52-L-8SW	01-Jun-95	05-Jun-95	16	1
K 1178296	G-2634	Paterson Lake	52-L-7SE	01-Jun-95	05-Jun-95	256	16
K 1178690	G-2651	Treelined Lake	52-L-8SW	11-Apr-96	15-Apr-96	16	1
K 1178598	G-2651	Treelined Lake	52-L-8SW	29-Mar-96	10-Apr-96	32	2
K 1178689	G-2651	Treelined Lake	52-L-8SW	29-Mar-96	10-Apr-96	128	8
K 1178678	G-2634	Paterson Lake	52-L-7SE	29-Mar-96	10-Apr-96	208	13
K 1162991	G-2634	Paterson Lake	52-L-7SE	12-Dec-95	14-Dec-95	128	8
K 1178297	G-2634	Paterson Lake	52-L-7SE	02-Jun-95	05-Jun-95	96	6
K 1162990	G-2634	Paterson Lake	52-L-7SE	13-Dec-95	14-Dec-95	64	4
K 1149773	G-2634	Paterson Lake	52-L-7SE	01-Sep-96	11-Sep-96	32	2
K 1149776	G-2634	Paterson Lake	52-L-7SE	01-Sep-96	11-Sep-96	48	3
K 1149775	G-2634	Paterson Lake	52-L-7SE	01-Sep-96	11-Sep-96	16	1
K1162989	G-2634	Paterson Lake	52-L-7SE	13-Dec-95	14-Dec-95	96	6
K 1178437	G-2634	Paterson Lake	52-L-7SE	22-Sep-95	29-Sep-95	192	12
K 1149774	G-2634	Paterson Lake	52-L-7SE	27-Jul-96	07-Aug-96	96	6
K 1220538	G-2651	Treelined Lake	52-L-8SW	03-Jun-97	02-Jul-97	48	3
K 1220539	G-2634	Paterson Lake	52-L-7SE	04-Jun-97	02-Jul-97	48	3
K 1220540	G-2634	Paterson Lake	52-L-7SE	10-Jun-97	02-Jul-97	48	3
K 1220541	G-2651	Treelined Lake	52-L-8SW	05-Jun-97	02-Jul-97	64	4
K 1220542	G-2651	Treelined Lake	52-L-8SW	05-Jun-97	02-Jul-97	48	3
K 1220915	G-2651	Treelined Lake	52-L-8SW	09-Oct-99	29-Oct-99	16	1
K 1220669	G-2651	Treelined Lake	52-L-8SW	09-Oct-99	29-Oct-99	160	10
K 1133795	G-2651	Treelined Lake	52-L-8SW	09-Oct-99	29-Oct-99	32	2
K 1166804	G-2634	Paterson Lake	52-L-7SE	05-Apr-98	01-May-98	1	16
K 1220664	G-2634	Paterson Lake	52-L-7SE	02-Jul-99	16-Jul-99	1	16
K 1220596	G-2651	Treelined Lake	52-L-8SW	20-May-98	10-Jun-98	32	2
Total Claims :	**33**				**Totals:**	**147**	**2 224**

The physiography of the area is typical of the Precambrian shield with most overburden consisting of tills and clay. Much of the area has experienced blow downs and

consequently, in these areas, the forest consists of small pines, alders and poplars. In isolated areas, mature spruce stands exist

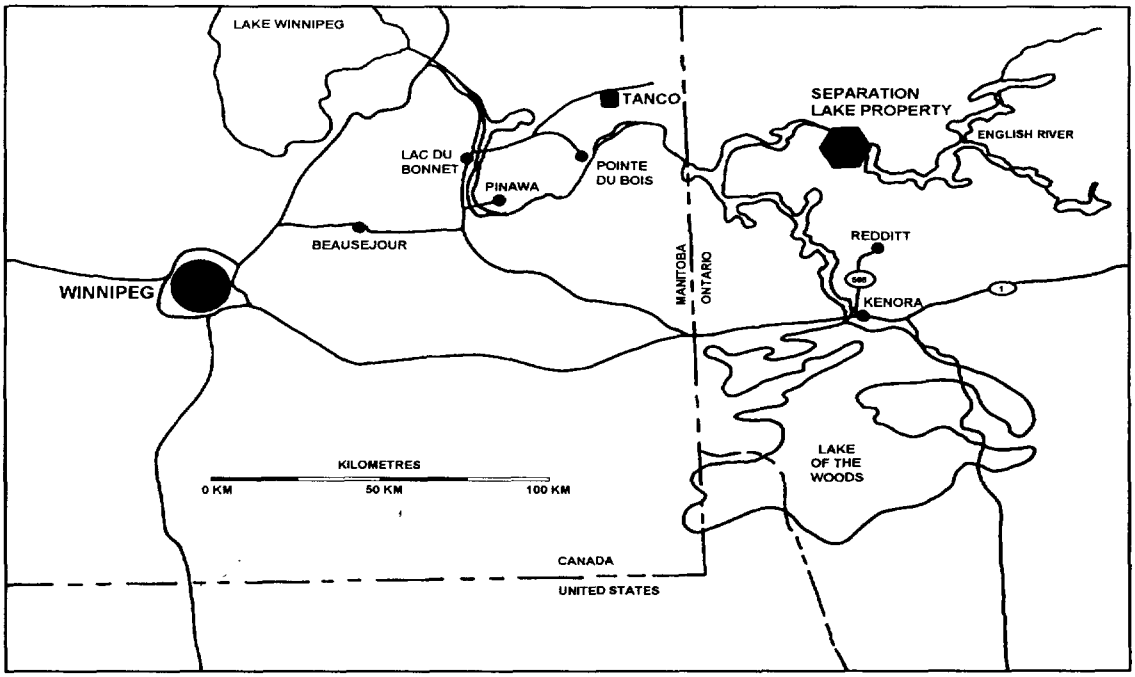


FIGURE 1: LOCATION MAP OF THE SEPARATION LAKE PROJECT

PREVIOUS WORK

The area has had a history of base and precious metals exploration with some work into its uranium and iron potential. Work since 1993, by the Ontario government has increased interest in the rare-element pegmatite potential of the area.

Records of mineral exploration in the Umfreville-Separation Lake area date back to the mid-1930s. The area's first work appears to be around Minaki, where work was conducted on the Minaki Pyrite Prospect on Vermillion Lake. Sporadic work for base metals was conducted near Redditt in 1956, by Stratmatt Limited and south of Patterson Lake in 1963, by the Canadian Nickel Company. Both programs consisted of diamond drilling.

The iron formations in the Separation Lake area were examined for their iron potential. W.S. Moore Company of Duluth conducted trenching and feasibility studies of the property in the period 1948-1955. Tombill Gold Mines and Glen Echo Mines Limited

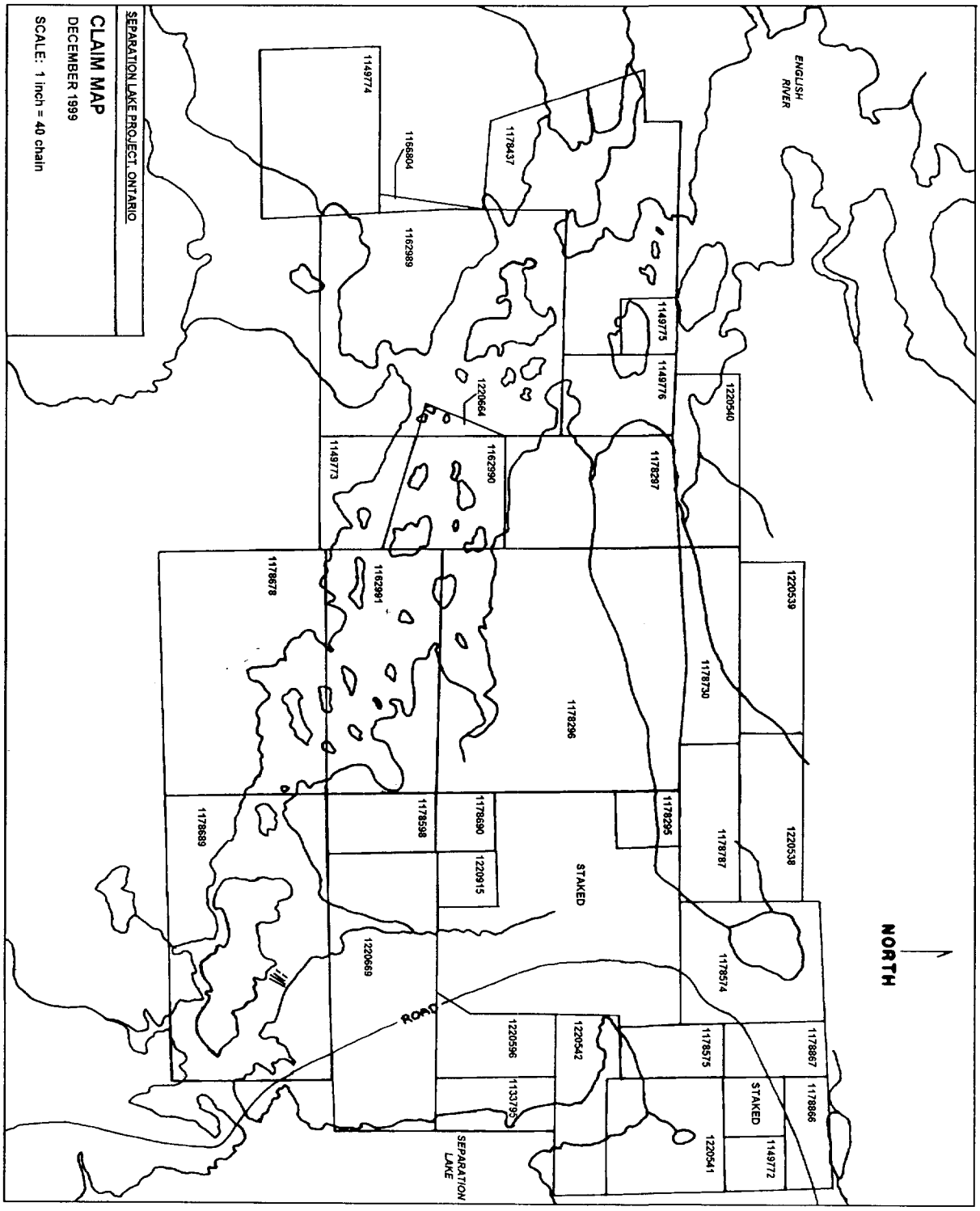


FIGURE 2: Separation Lake Claim Location Map

conducted work in 1957. Results of these studies indicated that the iron mineralization has excellent concentration characteristic, but does not occur in sufficient widths to apply open pit mining methods (Breaks et al, 1975).

During the 1960's and into the 1970's, several companies explored in the region for uranium with much of the work being carried out by airborne scintillometer surveys with follow up groundwork. Some of the major work was carried out by Headvue Mines Limited (1967), Bralorne Resources Limited, and Can-Fer Mines Limited (1968-1971). These surveys encountered anomalous, but sporadic uranium mineralization associated with the pegmatites in the area (Breaks, et al, 1975).

Selco Mining Corporation, Sherritt Gordon Mines and Champion Bear Resources have conducted extensive exploration work in the area with numerous programs of mapping, sampling, geophysics and drilling. The main focus was on base metals with some work being done on precious metals.

The most recent government geological map covering the region is Open File Map 241 (Blackburn, et al, 1994). The Ontario Geological Survey has recently carried out numerous detailed programs on the pegmatite field in the Separation Lake/English River area. Dr. F.W. Breaks of the Mineral Field Services Section, Ontario Geological Survey, has carried out most of the work. This work has spawned great interest in the Separation Rapids pegmatite field. Several companies and individuals are actively exploring the rare-element potential of the area. These companies include Champion Bear Resources, Emerald Field Resources, Avalon Ventures, and the Tantalum Mining Corporation of Canada.

During 1996 to 1998, Tanco mapped and lithogeochemically sampled the entire claim area. The results for 1996 and 1997 have been filed for assessment.

Tanco has also completed two diamond drill programs in the area. In 1996, seven holes totaling 1872 feet (570.73 metres) were drilled to test the subsurface geological character of exposed pegmatites at depth with respect to mineralization, mineralogy and structure. The 1997 diamond drill program was a continuation of the 1996 diamond drill program, with emphasis placed on examining several other surface pegmatite exposures. This program consisted of ten holes totaling 2803 feet (854.35 metres). Both diamond drill reports have been filed for assessment.

In 1998 and 1999, Tanco carried out an extensive Enzyme Leach soil survey over the central portion of the claim group. At this time structural and petrology work was conducted. In the later part of 2000 and early 2001, one of the Enzyme Leach derived anomalies was drilled. A pegmatite swarm was encountered at 500 feet. All material has been filed for assessment with the Ontario government

REGIONAL GEOLOGICAL SETTING

The Separation Lake property occurs almost completely in the Separation Lake Greenstone Belt (Blackburn and Young, 1992). It is part of a package of metavolcanic rocks which occur discontinuously along the boundary of the English River and Winnipeg River subprovinces of the Archean Superior Province (Figure 3). The belt constitutes the boundary zone between the high grade, metasedimentary-dominant English River Subprovince to the north and the granite-tonalite-dominant Winnipeg River Subprovince to the south.

It has been suggested that the Separation Lake Greenstone Belt may represent an extension of the 2.74 Ga Bird River metavolcanic-metasedimentary belt to the west (Timmins et al, 1985). This belt is known to host other pegmatite fields such as the Greer Lake, Rush Lake and Bernic Lake pegmatitic fields (Cerny et al, 1986). The pegmatite field at Separation Lake is approximately seven kilometres long by three kilometres wide and trends in an east to west direction and is hosted by supracrustal rocks (Blackburn et al. 1992; Blackburn and Young, 1994). The area is predominantly underlain by mafic metavolcanic units and associated gabbroic units. Felsic volcanic and metasedimentary rocks exist to the north of the property and pinch out to the east. Most rock units are strongly deformed and metamorphosed to at least lower amphibolite facies (Blackburn and Young, 1992).

F.W. Breaks (1993) has described the Separation Rapids pegmatite field as divisible into two clusters that appear to be spatially related to the Separation Rapids pluton. Occurrences of petalite, cassiterite and tantalum bearing minerals have been reported in numerous locations within the Separation Lake Greenstone Belt. The pegmatites in this area would belong to the complex type, petalite subtype of the rare-element pegmatite class of Cerny (Cerny 1982).

LOCAL GEOLOGY

The Tanco/Gossan claim block lies within the Separation Lake greenstone belt. A detailed description of the rock types can be found in Report on 1996 and 1997 Litho-geochemistry and Geological Mapping Activity (Galeschuk, 1999). Following is a brief description of the local geology.

The predominant rock type in the area is a fine to medium grained, medium gray to black, well foliated mafic metavolcanic, possibly of basaltic composition. This unit comprises most of the central portion of the claim group. Coarse grained, dark colored gabbro has been mapped in the centre of the mafic metavolcanic unit. It appears to indicate a folding pattern. As well, narrow bands of chemical metasedimentry iron formation occur throughout the region. These iron formation units tend to display a highly gossaned appearance. In the mapped area it would appear that this unit is highly folded. The same is probably true for the surrounding host rock.

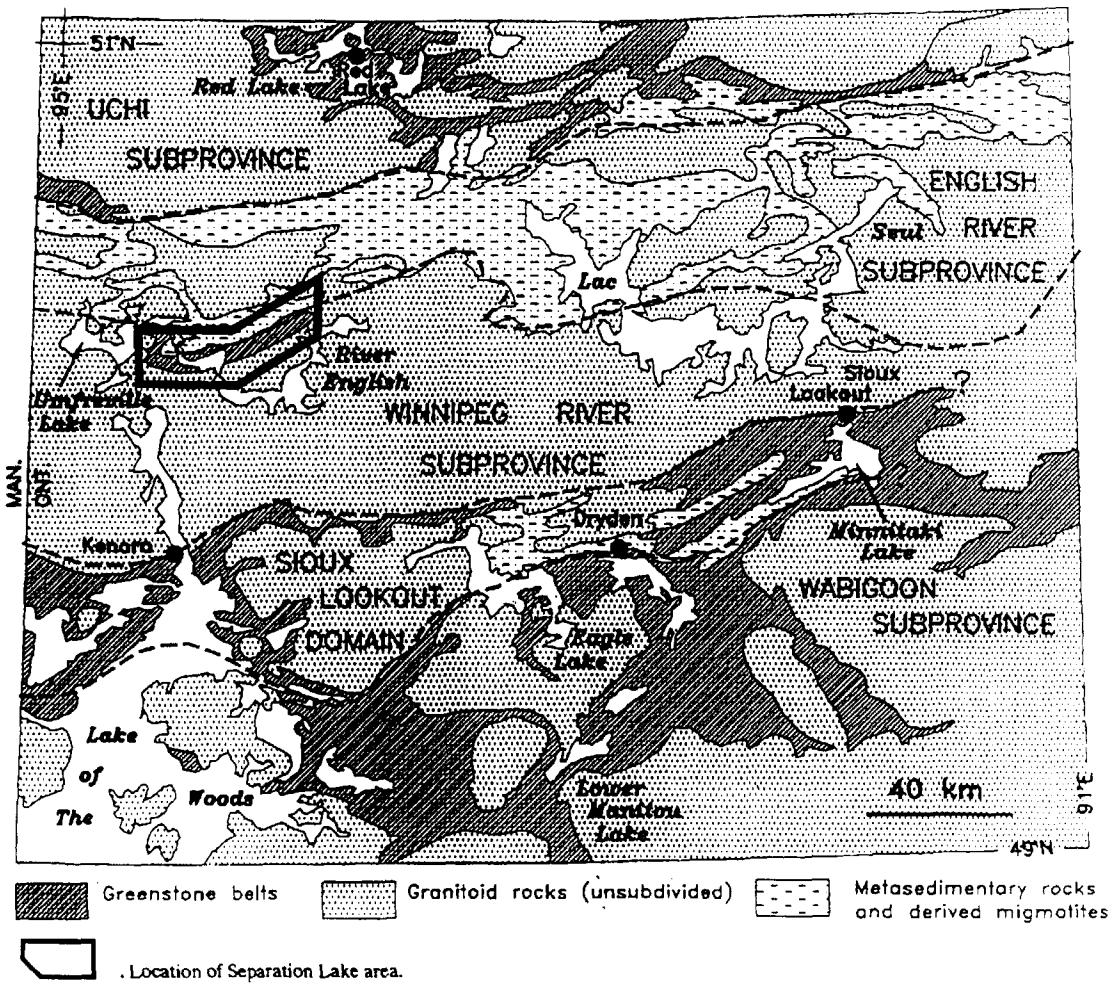


Figure 3: Geological Location of Separation Lake Area
(from Breaks, F.W. and Tindle, A.G., 1997)

The mafic metavolcanic unit is bounded to the north and to the south by regional granitoid complexes, both contain granitic gneissic and pegmatitic units. Well exposed to the north is the Treelined Lake Granite, which is part of the English River Subprovince. The granitic unit to the south is part of the Winnipeg River Subprovince.

To the north of the property is exposed a unit of a felsic composition. This unit is in fault contact with the Treelined Granite. As well, clastic metasedimentary units are exposed to the northeast of the claim group.

On the western flank of the property, the Separation Rapids Pluton is well exposed. The exposed area of the pluton, is a 4 square kilometres. It has been described as a fertile, peraluminous S-type granite (Breaks, 1993). Within this unit there is widespread layering of pegmatitic leucogranite, sodic aplite, potassic pegmatite and coarse grained granitic units. It would appear from field studies that this unit is a pegmatitic granite.

Numerous pegmatites are exposed on surface. They vary in size and dimensions, as while as complexity. East to west tends to be the preferred orientation with many of the pegmatite bodies lying parallel to foliation.

2003 GEOLOGICAL MAPPING PROGRAM

The ground covered by claims K 1220669 and K1133795 was geological mapped over a nine day period. Included in this time several of the pegmatite elsewhere on the property were examined and sampled. A detailed geological and structural map is provided in the insert.

Property Geology

The predominant rock type in the mapped area was mafic metavolcanic. The unit is generally fine grained, dark gray to black, with moderate to strong foliation. Locally the unit is pillowed (with up direction being to the north) and tuffaceous. The tuffaceous subunits of the mafic metavolcanic tend to occur in two small bands on the property. The pillow lava tends to be prominent in the southern portion of claim K1220669.

Mafic intrusive is the only other major rock type in the area. Compositionally speaking, this unit is probably a gabbro. It is black to dark green and medium to coarse grained, however in close proximity to shearing the unit becomes much finer grained. Outcrops of this unit tend to have greater topographic relief then the metavolcanics.

Iron formation is also encountered on the property. The unit appears to be indicative of Algoma-type iron formations and oxide-predominant (Peter, J. 2003). The high magnetic component in this unit makes measurement of structure difficult but field observations indicate that the unit is highly folded. It is suggested here that this same complexity of deformation also exist in the surrounding rocks. Limited geochemical work presented further on in this report shows the existence of more then one type of iron formation.

Numerous pegmatites were encountered in the mapped area. This will be covered in greater detail under the pegmatite section of this report.

Iron Formation Geochemical Analysis

Four iron formations were sampled in the mapped area as well as two on other claims. Following is sample location map for the above mentioned samples.

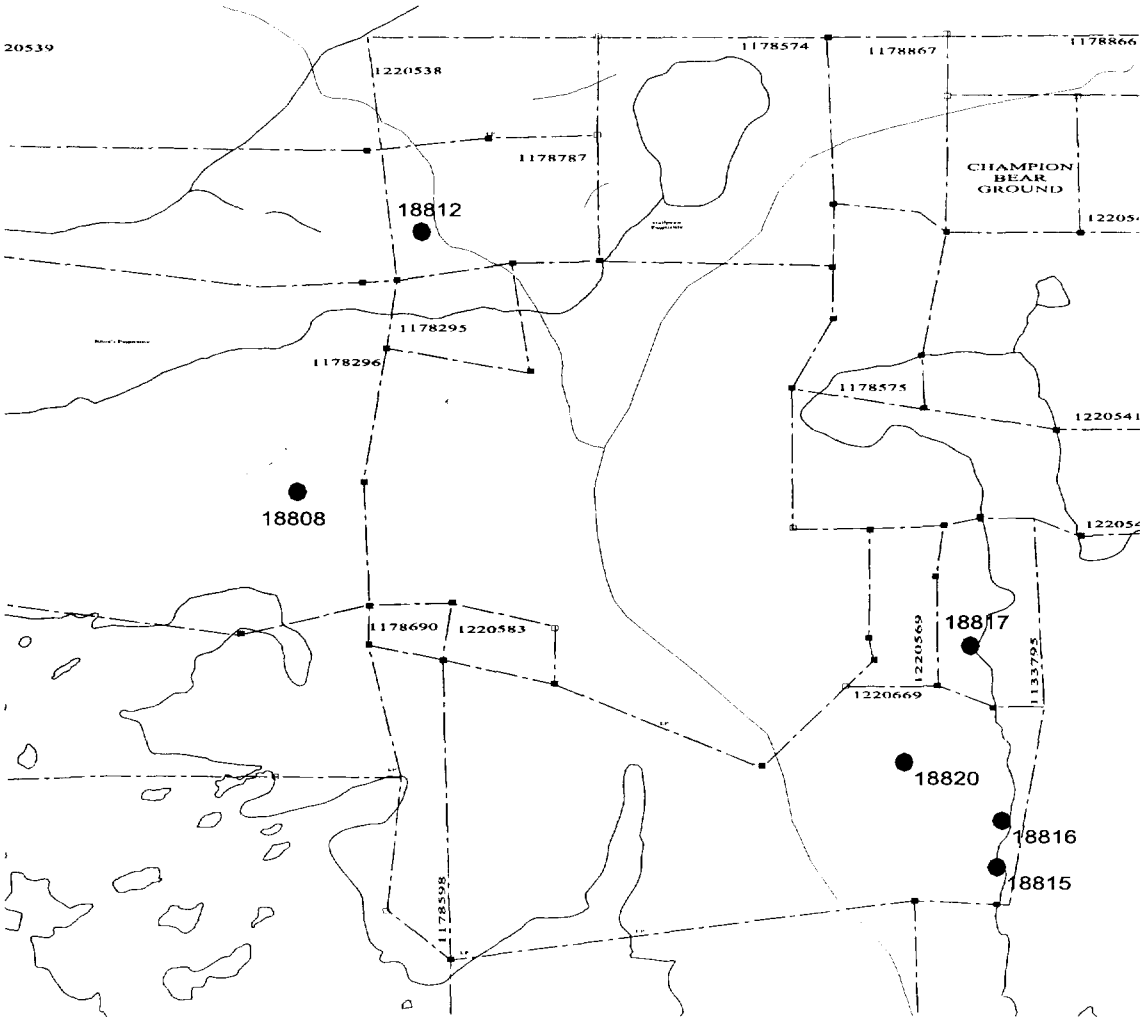


Figure 4: Iron Formation Sample Locations

Following is a sample description of the samples. The complete assay analysis from Acme Analytical Laboratories is presented in Appendix C. All assays were performed by ICP-MS.

18808 Light grey siliceous unit with hematite staining. Moderate to highly gossaned surface. 1% disseminated pyrrhotite. Fine grained and mica rich with moderate magnetism. On surface above the White Turtle Pegmatite Swarm.
18812 Strongly magnetic, fine-grained unit. Silicified iron formation. 2-3% pyrrhotite. Draven's Pegmatite hanging wall.
18815 Non magnetic, fine grained unit with secondary biotite and quartz. Highly deformed with possible carbonate. Located on the lakeshore of Separation Lake.
18816 Highly oxidized and magnetic unit. Fine grained. Located on the shore of Separation Lake.
18817 Strongly magnetic unit with 4-5% magnetite. Very fine grained unit with defined bedding. Located on the shore of Separation Lake.
18820 Highly gossaned unit with high magnetism. 1% pyrite and pyrrhotite. Apparent east to west strike. 5 metre wide unit that dips 80 to the north.

Table 2: Iron Formation Sample Descriptions.

It was assumed during field investigations that the iron formations to be related to one another and that REE (rare earth element) plots would be identical. However, from a plot of the rare earths of the iron formation, we can see three distinct entities (Figure 5). It must be pointed out that the mandate of this field exploration was not for base metals but for pegmatites. It was however postulated that the iron formations could be used as marker beds to help in the unraveling of the complex structure geology of the area. This was given consideration due to the field observations that commonly there seems to be an iron formation-pegmatite association.

The following discussion on the iron formation analysis is based on the literature of Jan Peter (2003).

It would appear from Figure 5 iron formation sample 18817 and 18812 represents fluids that originally precipitated from high-temperature reducing hydrothermal fluids that

vented onto the ancient seafloor and cooled. From the REE profile of the samples, it would appear that they correspond to a Besshi-type deposit association. These samples have a VMS (base metal) association.

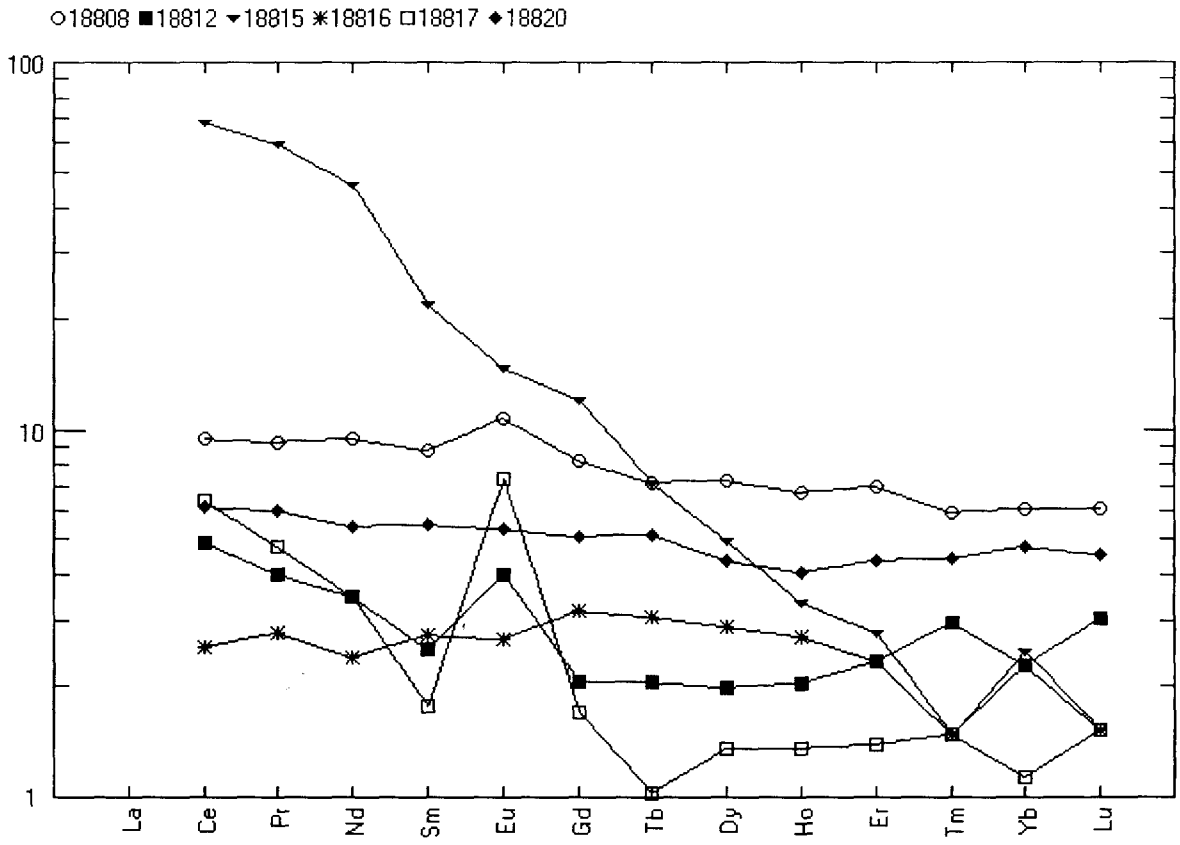


Figure 5: REE Plots of Iron Formations.

Iron formation sample 18815 also shows a VMS association but one of hydrothermal sediments. Sample probably represents a mudstone with a metalliferous sediment component and signifies an end marker hydrothermal fluid.

Samples 18808, 18816 and 18820 are iron formations that are associated with iron hydroxide deposits but not with massive sulphides. This is evident from the lack of an Eu anomaly.

It could be argued that it would appear to be different events with regard to the iron formations or that the area is highly complex in regard to structure. If the area was to be ever examined for its base metal potential, a complete survey of the iron formations and their affinity to each other might prove beneficial.

In regard to the base metal content of the above mentioned samples (Table 3), nothing special was noted. It would appear that the content is elevated but still low.

Sample	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au
18808	0.47	120.64	3.56	127.2	162	141.8	50.8	1810	9.23	214.3	0.05
18812	0.83	28.99	0.9	321.2	140	16.9	5.8	10000	26.94	11.5	0.05
18815	0.72	45.9	5.15	67	121	23.9	21.3	1057	5.88	1.7	0.05
18816	4.89	139.98	1.15	664.2	110	3.5	9.2	10000	27.11	2.8	0.05
18817	1.14	104.2	1.08	207.5	84	16.6	16.1	1396	19.51	1.5	0.05
18820	0.74	363.05	3.89	449.1	604	87.7	39.4	2228	14.07	7.8	0.05

Table 3: Base Metal Content of the Sample Iron Formations

Pegmatite Geochemical Analysis

Pegmatites were encountered in numerous locations on the property. For a detailed location, please refer to the geology map in the insert. Figure 6 is a simplified location of the samples in the 2003 mapped area with Table 4 giving a brief description.

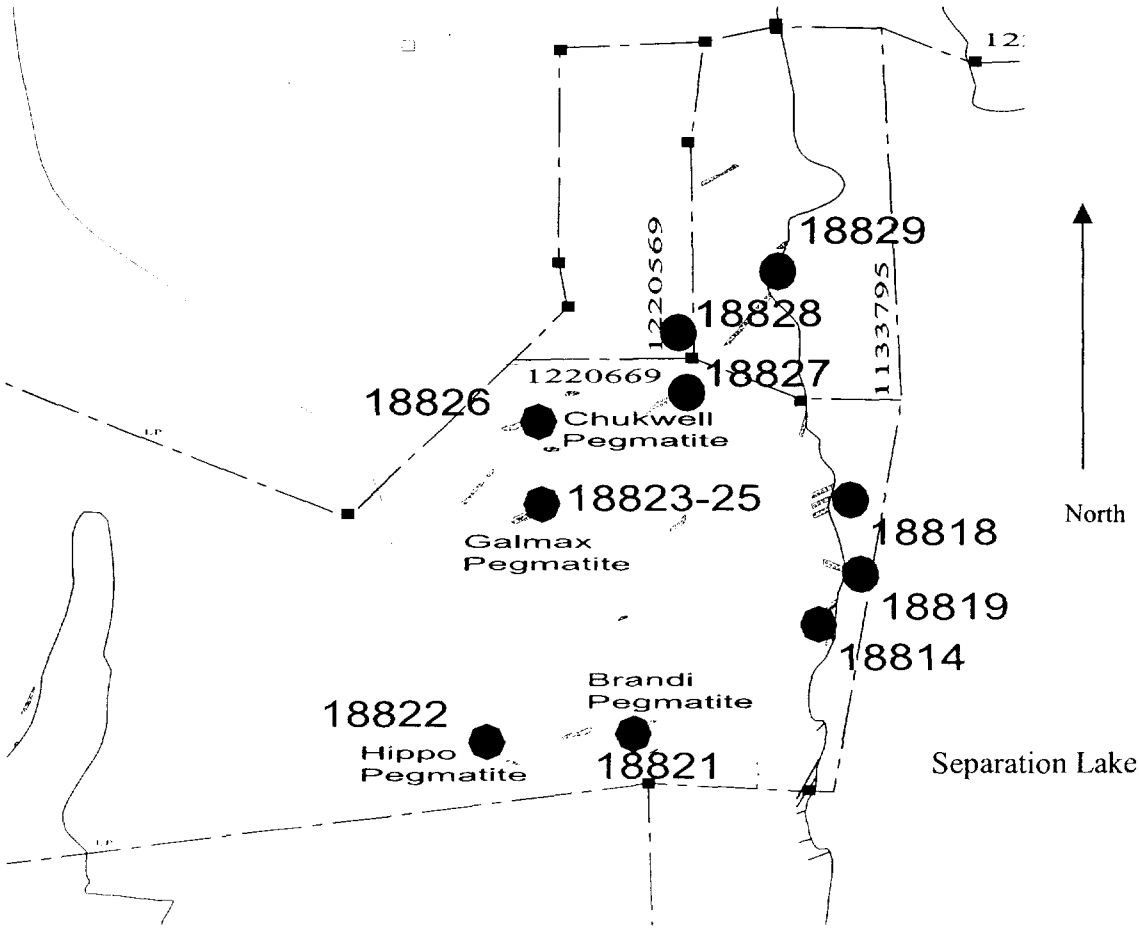


Figure 6: Pegmatite Samples in the 2003 Mapping Program

18809	Pegmatite	J1 Pegmatite
Simple pegmatite with a composition of quartz, k-spar, and minor mica. Coarse grained feldspar is predominant in the sample. Exterior zone.		
18810	Pegmatite	J1 Pegmatite
Composition of muscovite, quartz, k-spar and albite. K-spar is grey in color. Muscovites tend to be silvery green. Quartz is semi-smoky. Sample represents the interior zone of the pegmatite.		
18811	Pegmatite	Draven's Pegmatite
Albite and petalite enriched pegmatite. Contains petalite phenocrysts up to 6 cm.		
18813	Granite	Treelined Lake Granite
Medium grained granitic rock comprised of k-spar, biotite and quartz. Overall a pink color.		
18814	Granitic Dykes	Lakeshore-Separation Lake
Fine to medium grained units with biotite and quartz enrichment.		
18818	Simple Pegmatite	
Kspar-quartz pegmatite with minor albite Medium grained texture. Generally white in color.		
18819	Simple Pegmatite	
Two metre wide albite-kspar-quartz pegmatite. Medium grained texture. Generally white in color.		
18821	Pegmatite	Brandi Pegmatite
Sugary white albite and smoky quartz with minor mica.. White aplitic texture. Irregular contacts.		
18822	Pegmatite	Hippo Pegmatite
Overall white appearance with compostion of mica, quartz, kspar and albite. Minor white beryl. 1.5 metre wide pegmatite. Joint controlled.		
18823	Pegmatite	Galmax Pegmatite (Albite Zone)
Complex, laterally zoned 3-5 metre wide pegmatite. Trends at 44°. No apparent deformation or shearing. Sample is of the albite zone that contains cookite, muscovite, smoky quartz, and 1-2% semi translucent pink to red garnets up to 5 millimetres.		
18824	Pegmatite	Galmax Pegmatite (Kspar Zone)
Large Kspar crsytals up to 6 centimetres. Matrix consists of albite and quartz.		
18825	Pegmatite	Galmax Pegmatite (Aplite Zone)
Sugary white albite with interbedded aplitite. This material consists of fine grained feldspar and quartz. 3 centimetres books of silvery mica.		
18826	Pegmatite	Chukwell Pegmatite
Four parallel pegmatites that trend at 70° and dips 70° to the north. Kspar crystals up to 2 centimetres. Composition consists of kspar, mica, sugary albite and petalite.		
18827	Simple Pegmatite	
Composition of quartz and feldspar. Minor sugary albite. Localized smoky quartz adjacent to biotite books. Structurally controlled.		
18828	Pegmatite	
Albite feldspar and quartz with minor mica. Trends at 080°/66° N. Approximately 1 metre wide. Irregular wavy contact.		
18829	Pegmatite	
Albite feldspar and quartz with minor mica. Trends at 080°/66° N. Approximately 1 metre wide. Irregular wavy contact.		

Table 4: Pegmatites, granites and pegmatitic granites sampled in the 2003 mapping program

Figure 7 show pegmatites taken from the rest of the property (outside of the 2003 mapping area) as well from previous drilled diamond drill core. Table 5 will offer a brief description of the samples.

The main purpose in obtaining the pegmatite, pegmatitic granite and granite samples was to attempt to show the relationship to each other. It was also hoped that REE plots would indicate pegmatites of different ages.

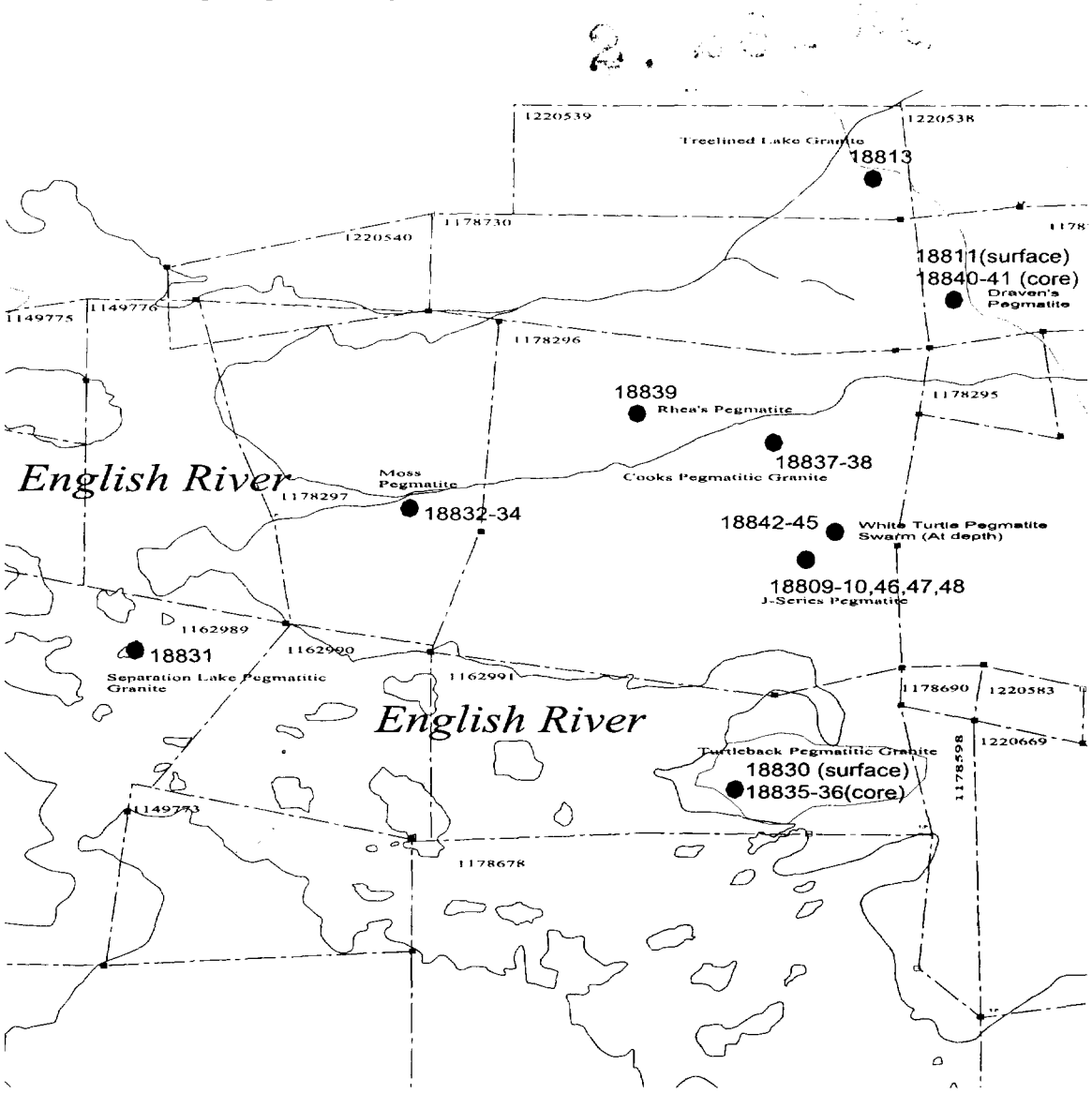


Figure 7: Pegmatite Samples Outside of the 2003 Mapped Region: includes field samples and samples from previous diamond drilling.

It has been observed in the field that it appears that several ages of pegmatites exist. Worked performed on behave of Tanco by F.De la Fuente in 1998 concluded that there was at least two pegmatitic event, pre-D2 and post-D2 emplacement.

Within the mapped area for 2003 there were numerous pegmatites encountered. Numerous pegmatites and granitic dykes intrude the west shoreline of Separation Lake. It was assumed that these were each distinct pegmatites. However field investigations during this program revealed a complex structural relationship of folding and faulting.

18830	Pegmatitic Granite	Turtleback Pegmatitic Granite
Coarse grained kspar with albite, quartz and mica. Minor garnets. Z-folds at 076°/66°W. Strong foliation at 050°/80° N.		
18831	Pegmatitic Granite	Separation Rapids Pluton/Pegmatitic Granite
No deformation apparent. Composition of albite, mica (bird's foot mica), garnets, quartz and kspar crystals up to 4 centimetres.		
18832	Pegmatite	Moss Pegmatite
Albite-Petalite Zone. West side of the pegmatite exposure. Minor pink garnets. Sharp joint controlled contacts. Trends at 110°/80°S Surface expression consists of three pegmatites. Unit a hard and very white in appearance.		
18833	Pegmatite	Moss Pegmatite
K-spar rich Zone. Contains aplite sections. Pegmatite surface expression widens to approximately 5 metres. Moderate foliation @ 96-106°/88° N Host is a mafic volcanic.		
18834	Pegmatite	Moss Pegmatite
Simpler in mineralogy then other samples. Contains albite, quartz k-spar and quartz. Similar contacts and foliation as previously mentioned.		
18835	Pegmatitic Granite	Turtleback Pegmatitic Granite
From old drill core (Galeschuk, 1998) SL-97-06 151 – 155 ft. Kspar-Mica Zone.		
18836	Pegmatitic Granite	Turtleback Pegmatitic Granite
From old drill core (Galeschuk, 1998) SL-97-08 159 – 162 ft. Kspar-Albite-Mica Zone.		
18837	Pegmatitic Granite	Cooks Pegmatitic Granite
From old drill core (Galeschuk, 1998) SL-97-10 , 83 - 85 ft. Wall Zone. Perthitic k-spar with silvery mica.		
18838	Pegmatitic Granite	Cooks Pegmatitic Granite
From old drill core (Galeschuk, 1998) SL-97-10, 90 – 92 ft. Kspar Zone.		
18839	Pegmatite	Rhea's Pegmatite
From old drill core (Galeschuk, 1998) SL-97-09, 173-174 ft, Albite Zone. 2.5 metre pegmatite. Elevated tantalum values.		
18840	Pegmatite	Draven's Pegmatite
From old drill core (Galeschuk, 1997) SL-96-03, 75-76 ft. Wall zone material, very kspar rich		
18841	Pegmatite	Draven's Pegmatite
From old drill core (Galeschuk, 1997) SL-96-03, 75-76 ft. Albite-Petalite Zone, fine grained unit with white to grey petalite in an albite matrix.		
18842	Pegmatite	White Turtle Pegmatite Swarm
From White Turtle Pegmatite No. 5 old drill core (Galeschuk, 2001) 00-SL-01, Albite Zone.		
18843	Pegmatite	White Turtle Pegmatite Swarm
From White Turtle Pegmatite No. 6 old drill core (Galeschuk, 2001) 00-SL-01, Albite Zone.		
18844	Pegmatite	White Turtle Pegmatite Swarm
From White Turtle Pegmatite No. 7 old drill core (Galeschuk, 2001) 00-SL-01, Kspar Zone		
18845	Pegmatite	White Turtle Pegmatite Swarm
From White Turtle Pegmatite No. 7 old drill core (Galeschuk, 2001) 00-SL-01, Kspar Zone		
18846	Pegmatite	White Turtle Pegmatite Swarm
From old drill core (Galeschuk, 2001) 01-SL-01, J-series Pegmatite, Kspar-mica pegmatites		
18846	Pegmatite	White Turtle Pegmatite Swarm
From old drill core (Galeschuk, 2001) 01-SL-01, J-series Pegmatite, Kspar-mica pegmatites		
18846	Pegmatite	White Turtle Pegmatite Swarm
From old drill core (Galeschuk, 2001) 01-SL-01, J-series Pegmatite, Kspar-mica pegmatites		

Table 5: Pegmatites, granites and pegmatitic granites sampled elsewhere on the property in 2003

Figure 8 shows the rare earth plots for the pegmatites and Separation Lake Granitic Dykes from the west shore of Separation Lake. Locations of these samples can be viewed in Figure 6.

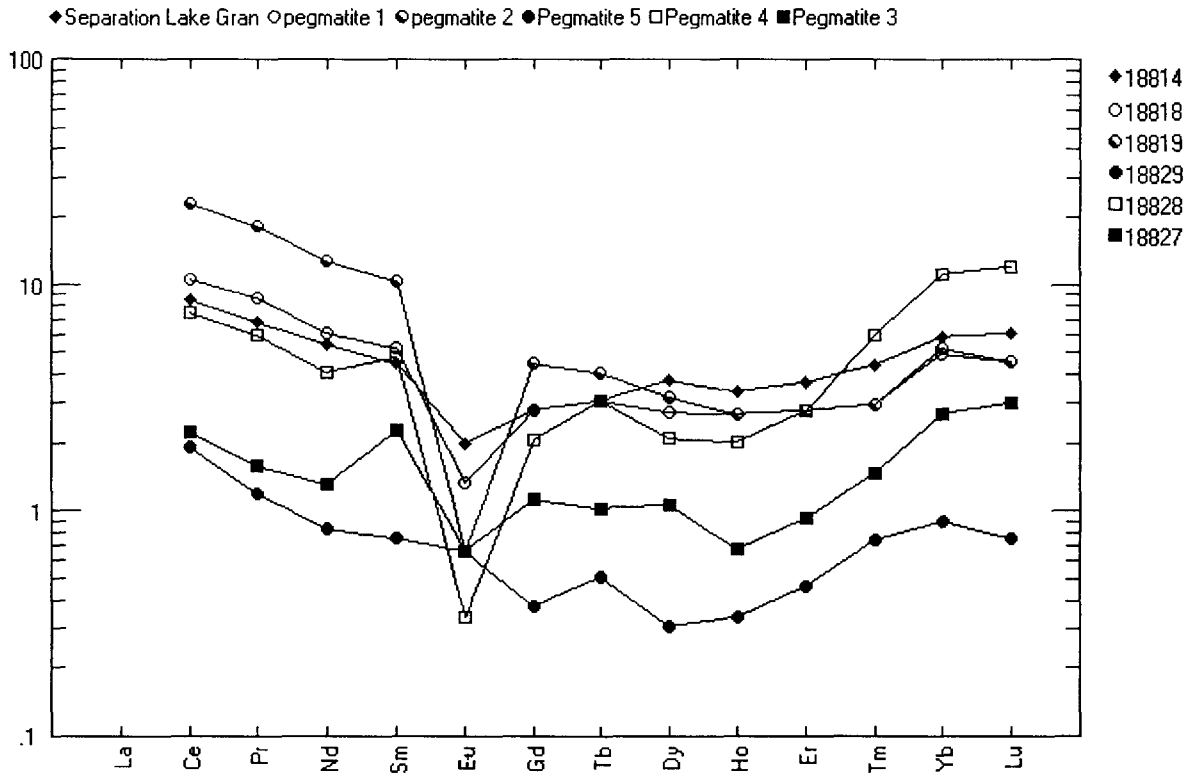


Figure 8: REE Plot of the Pegmatites from the West shoreline of Separation Lake

From the REE plot (Figure 8) it can been that the pegmatites on the shore seem similar (18818 and 18819) and that they are probably derived from the same source as the Separation Granitic Dykes. All three had elevated light rare earths (LREE), negative Europium (Eu) anomalies and an increase in the heavy rare earths (HREE) towards the end members of the series. The slopes for the granite dykes appear flatter and not as pronounced of an Eu negative anomaly.

Pegmatite sample 18829 and 18827 appear to be quite different from the others. The general slopes form the LREE and the HREE seem to be similar although more fractionated then the others and thus either more evolved or of a different age of emplacement.

The main pegmatites encountered on the 2003 mapped area are the Galmax, Chukwell, Hippo and Brandi Pegmatite. The naming of the pegmatites has been done in order to create an ease of reference. The REE plot (Figure 9) shows the low enrichment in the LREE's, strong negative Eu anomaly and enrichment in the HREE's. for most of the Galmax, the Chukwell, and Brandi Pegmatites.

The Hippo Pegmatite (sample #18822) appears to be a different age of emplacement (different source) or somehow has been contaminated. This is based on the rather flat HREE and slightly positive Eu anomaly. Contamination could have occurred during

emplacement with contamination from the host rock. However, as this pattern is seen in some other REE plots, I would suggest a different age of emplacement.

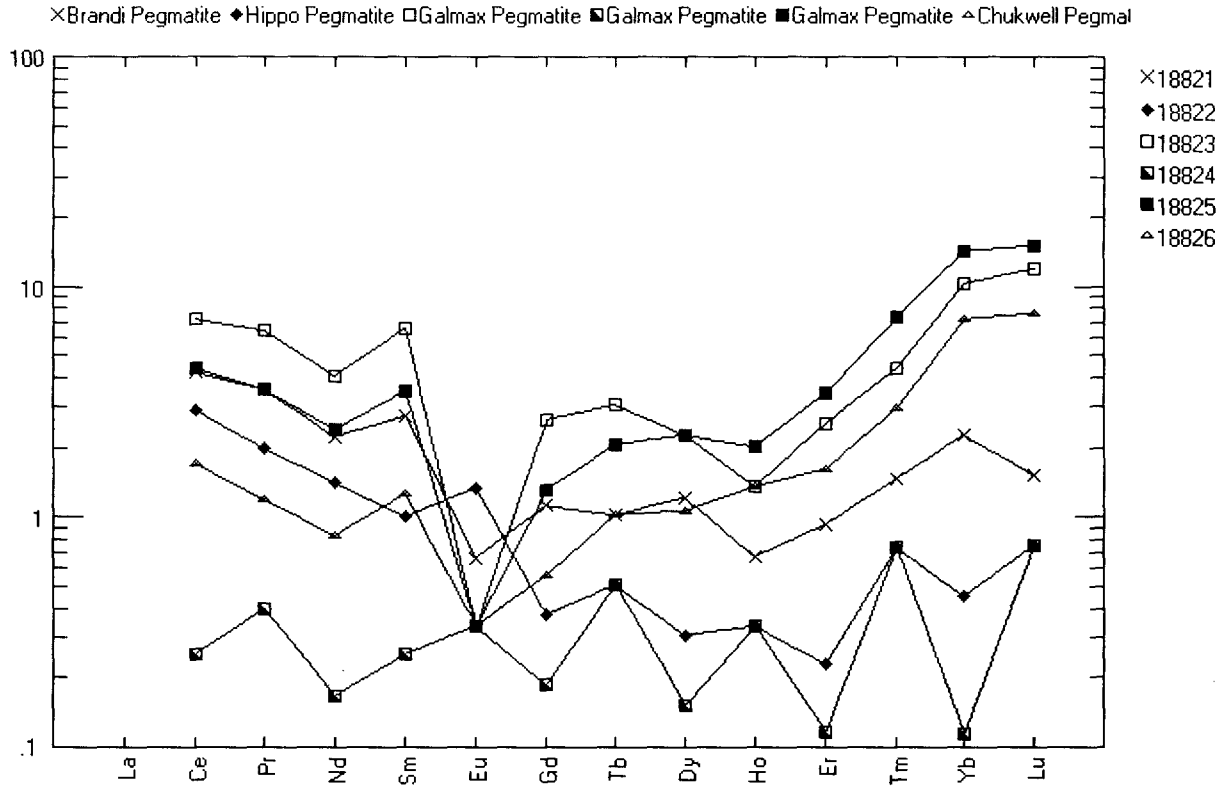


Figure 9: REE Plots of Main Pegmatites Encountered in the 2003 Mapped Area.

The Hippo Pegmatite is located adjacent to the English River Road, just north of the Separation Lake Rapids Bridge. It is a beryl bearing pegmatite with mica, quartz and albite. It is approximately 1.5 metres wide and was uncovered along stike for about 15 metres. Emplacement appears to be joint controlled. The pegmatite has a trend of 126°/70° S. Measurements of the joints in the host rock were 172°/74° W and 90°/74° N. The assays were low and unexciting, 5.6ppm Ta.

The REE plot shows the Galmax (sample #18823-18825), Chukwell (sample #18826), and Brandi Pegmatites (sample #18821) to be very similar plots with a slight LREE enrichment, strong negative Eu anomaly, and a steep enrichment in HREE's. It would appear that all three of the pegmatites represent one pegmatite emplacement event.

The Brandi Pegmatite (#18821) is a 1 metre wide pegmatite and consists of sugary white albite, quartz and minor mica. It has a general trend of 088°/80° N with irregular contacts injected along foliation and jointing. Weak foliation exists at 102°/82°N. Joints in the pillowed mafic meta-volcanic host rock measure at 76°/40°N and 140°/80°N. The assay of 17.3 ppm Ta was low and unexciting.

The Galmax Pegmatite is a complex pegmatite that varies in width from 3-5 metre, is join controlled and trends at 44°. Appears that the unit has not undergone and deformation or shearing and would place this in F. De la Fuente's post-D2 emplacement event. The irregular pattern of sample 18824 is possibly due to this sample being taken from k-feldspar rich wall zone like material. The other two samples 18823 and 18825, are from the albite-mica zone and the albite-aplite zone respectively. The host rock is a biotite rich mafic meta-volcanic with moderate foliation at 52°/78°N. Minor folding is present in the host unit with D1=66°/80°E (S-folds) and D2=96°/64°E. Limbs plunge at 30° to the north. Although the pegmatite has interesting mineralogy, it has extremely poor assay values of Ta and Cs. However, the Rb is elevated to around 1200 ppm.

The Chukwell Pegmatite (sample #18826) is possibly a northern extension of the Galmax Pegmatite, however it trends at 070° with a northerly dip of 70°. It has the same mineralogy of the Galmax Pegmatite and similar assay values.

Several other pegmatites from the property were examined in this study. All of these pegmatites were either drilled in the past by Tanco or sampled and examined. Please refer to past assessment reports for further details on these pegmatites.

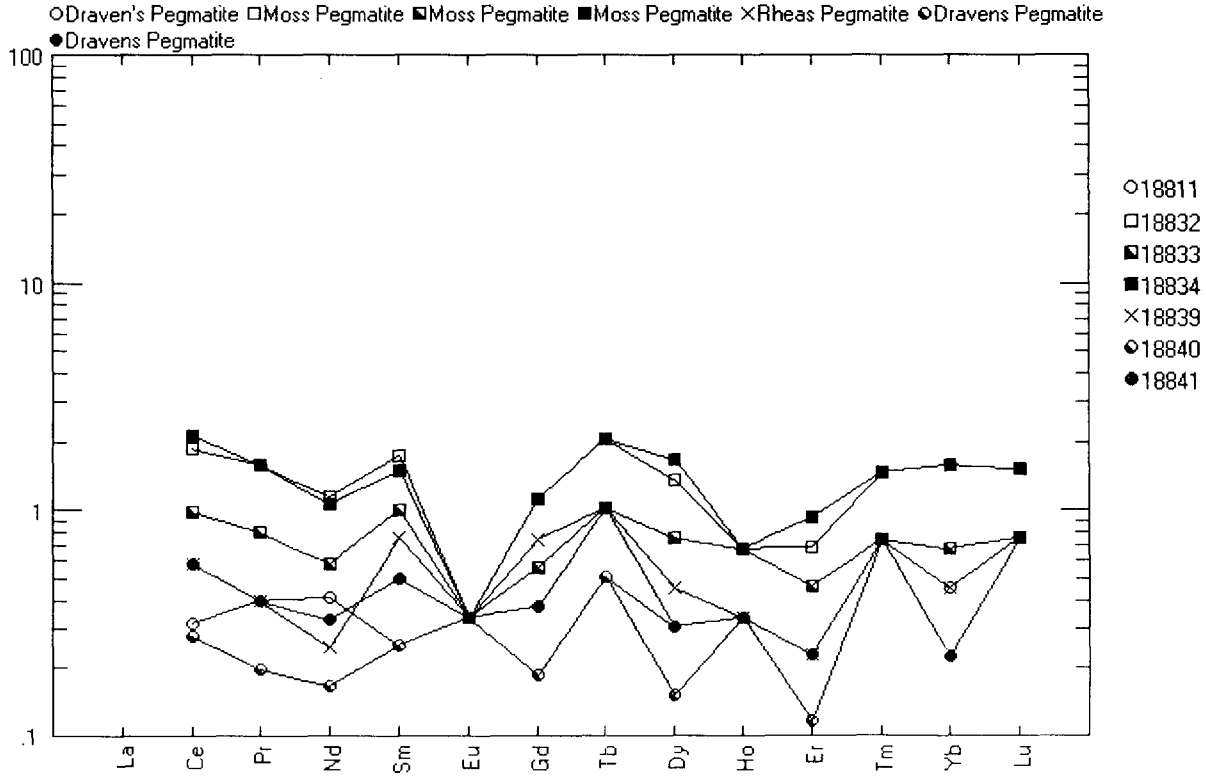


Figure 10: REE Plots for the Draven's, Rhea's and Moss Pegmatites

The REE plots are shown in Figure 10 are for the Moss, Rhea's and Draven's Pegmatites. All three are very interesting complex pegmatites. Work at Tanco has shown the Moss to

be one of the most fractionated pegmatites on the property. Some of the best assays on the property have been obtained from these pegmatites. From the samples sent in this study, the Draven's Pegmatite (samples 18811, 18840 and 18841) assayed back low Ta (up to 40 ppm) and low Cs (up to 64 ppm). The Draven's Pegmatite had highly elevated Li up to 12800 ppm and Rb up to 3000 ppm. The Rhea's Pegmatite (sample #18839)returned Ta up to 47 ppm, Cs up to 143 ppm, Li up to 5770 ppm and Rb up to 3395 ppm. The Moss Pegmatite (samples #18832 to 18834) had only slightly elevated Li up to 325 ppm with Rb up to 3460 ppm, Ta up to 53 ppm and Cs up to 92 ppm.

The plots show a relatively straight profile with very little elevation in the LREE's or the HREE's. All show a terbium (Tb) spike with respect to holmium (Ho). These plots are definitely different from the pegmatites in Figure 9 and suggest a different source or age of emplacement. The quantitative amounts of REE elements are generally low for this age of pegmatites.

The REE plots in Figure 11 show yet a different profile and suggestive of another age of emplacement of pegmatites. Here we see a flat LREE pattern, strong negative Eu anomaly and a decreasing HREE pattern to a flattening after Ho. The erratic sample #18809 is of a

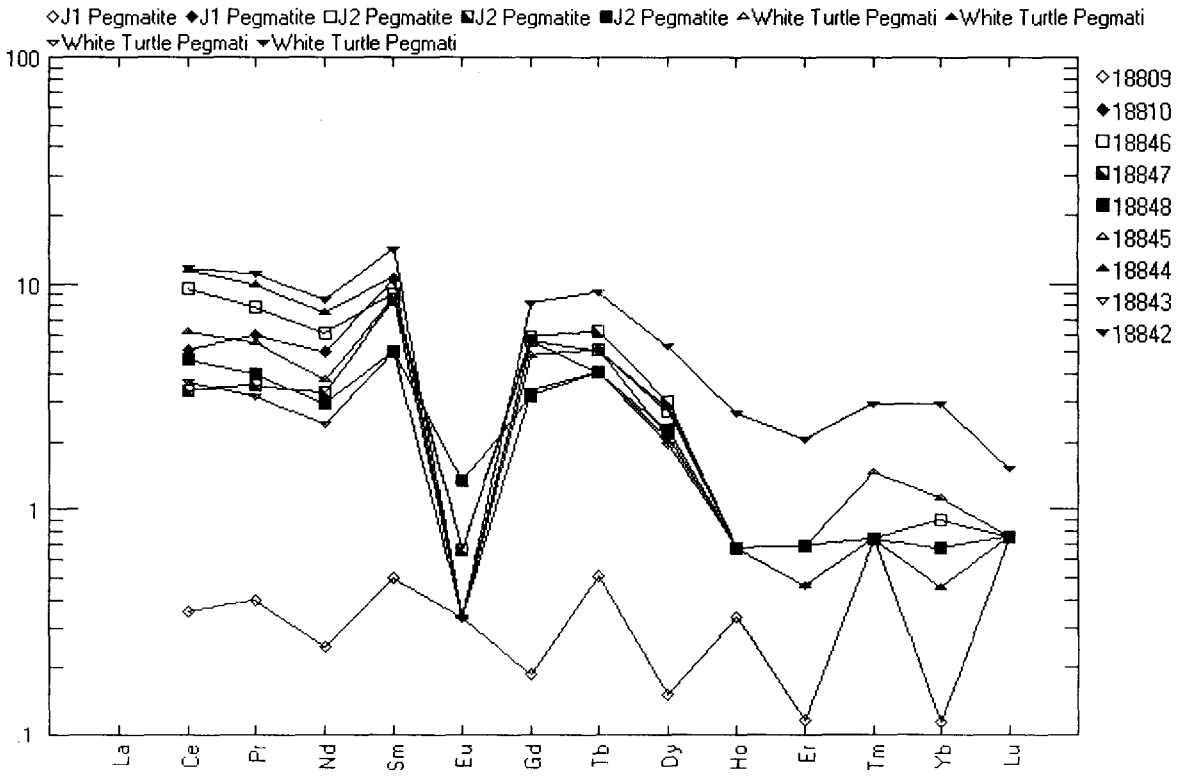


Figure 11: REE Plots for the J-Series and White Turtle Pegmatites

wall zone and thus an explanation for the pattern. These pegmatites have previously been drilled in 1996 and 2000 (Galeschuk, 1997 and 2001). The assays from this examination study showed that the J-Series Pegmatite (sample # 18809, 18810, 18846 to 18848) had an elevated element content of 676 ppm Cs and 170 ppm Ta. Also the J-Series Pegmatite

showed elevations up to 645 ppm Li and 7945 ppm Rb. The White Turtle Pegmatite, is a swarm of buried pegmatites encountered in the drilling of an Enzyme Leach soil anomaly in 2000 and 2001 (Galeschuk, 2001). It would appear that they are genetically associated with the surface exposed J-Series Pegmatites. The White Turtle Pegmatite samples (#18842 to 18844) examined in this study revealed low elevations of Ta (up to 61 ppm), Cs (up to 61 ppm) and Li (up to 206 ppm).

The REE plots presented in Figure 11 seem to be very comparable to the REE plots in Figure 12.

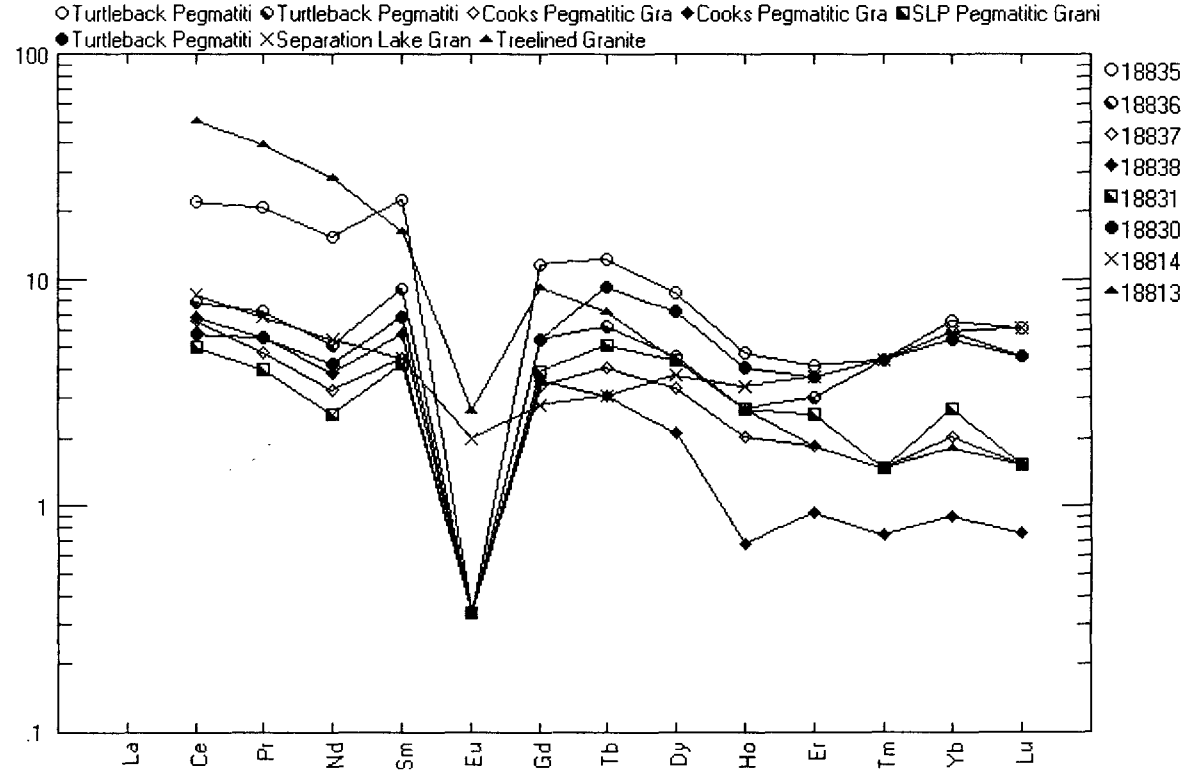


Figure 12: REE Plots for Pegmatitic Granites and Granites in the Separation Lake Area

This would suggest that the source of the J-Series Pegmatites, the White Turtle Pegmatites, and possibly the pegmatites on the west shore of Separation Lake would be the pegmatitic granites (Cooks, Turtleback, and Separation Lake Pluton) found in the centre and west ends of the Tanco/Gossan claim group. It would further suggest that there is a different source for the other pegmatites identified in this report.

Conclusion and Recommendations

The field mapping performed in 2003 has shown that there appears to be a complex structure sequence of folding that has effected the area. This can be noted in the iron formation, quartz veins and with in the volcanic under careful examination. Although the bulk of the Tanco/Gossan claim group has been mapped in the past, it is suggest that a

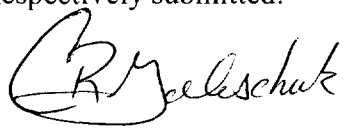
detailed mapping program be carried out over areas of interest at sometime in the future. It is believed that this detailed mapping with a focus on structure will aid in the exploration for buried pegmatite bodies.

The examination of the rare earth (REE) plots of some of the pegmatites encountered in the area appears to indicate three or possibly four different sets of pegmatites. This may suggest different sources or different ages of pegmatites. It is further suggested that further work be performed in this area as the above reported work is just a start and requires more detail with stronger expertise in geochemistry to be applied to the data.

A budget and a plan for the above-suggested recommendations would be:

30 days field mapping	
2 persons @ $600 per day	= $36,000
30 days room and board	
2 persons @ $80 per day	= $4,800
Transportation	
30 days	= $4,000
Samples	
100 samples @ $21	= $2,100
Report, Interpretation and Drafting	
1 person @ $300 for 30 days	= $9,000
Estimated Total	= $55,900

Respectively submitted:



Carey R. Galeschuk, B.Sc, P.Geo
Project Geologist
Tantalum Mining Corporation of Canada Limited
August 25th, 2003

Report Disclaimer:

This report was prepared for the purposes of reporting work performed for assessment in accordance with the mining regulations as set forth by the Province of Ontario. All interpretations are based on my best judgement from the available information present at the time of the preparation of the report. Any use or reliance on this information or any part of the report or interpretation by a third party is that party's responsibility. I accept no responsibility or liability for damages or costs, if any, that may result from any actions or decisions undertaken by any individual, company, corporation or entity, as a result of any information contained within this report.

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Appendix A

Program Expenditures and Claim Distribution

Expenses Breakdown

2003 Field Mapping Program

Wages	Person	Unit Cost	Unit Type	Units	Costs
May 22st to May 30th, 2003	Carey Galeschuk	$242.00	per day	9	$2,178.00
	James Maxwell	$132.00	per day	9	$1,188.00
Mob and Demob	Carey Galeschuk	$242.00	per day	1	$242.00
	James Maxwell	$132.00	per day	1	$132.00
Room and Board	Carey Galeschuk	$80.00	per day	10	$800.00
(Hideaway Cabins, Redditt, Ont.)	James Maxwell	$80.00	per day	10	$800.00
Truck Rental	Enterprise	$524.30	total cost	1	$524.30
(Enterprise Rentals, Selkirk, Ont.)					
Boat Rental	Hideaway Cabins	$80.00	per day	3	$240.00
(Hideaway Cabins, Redditt, Ont.)					
Gasoline	Various	$145.81	total cost	1	$145.81
(Clearwater Bay and Kenora, Ontario)					
		2003 Field Mapping Program Total			**$6,250.11**

2003 Mapping - Office

Drafting	Carey Galeschuk	$242.00	per day	5	$1,210.00
Geological Report	Carey Galeschuk	$242.00	per day	1.25	$302.50
		2003 Mapping - Office			**$1,512.50**

2003 Geochemical Study

Sampling	ICP-MS	$16.00	each	41	$656.00
	Rock sample Prep	$4.50	each	27	$121.50
	Core Sample Prep	$4.50	each	7	$31.50
	Carey Galeschuk	$242.00	per day	1.25	$302.50
Interpretation and Report	Carey Galeschuk	$242.00	per day	4.5	$1,089.00
		2003 Geochemical Study			**$2,200.50**

Grand Total Submitted for Assessment **$9,963.11**

Geochemical Work Distribution by Sample and Claim

Sample #	Rock Type	Claim Number
18808	Iron Formation	1178296
18809	Pegmatite	1178296
18810	Pegmatite	1178296
18811	Pegmatite	1178787
18812	Iron Formation	1178787
18813	Granite	1220539
18814	Granite dykes	1220669
18815	Iron Formation	1220669
18816	Iron Formation	1220669
18817	Iron Formation	1133795
18818	Pegmatite	1220669
18819	Pegmatite	1220669
18820	Iron Formation	1220669
18821	Pegmatite	1220669
18822	Pegmatite	1220669
18823	Pegmatite	1220669
18824	Pegmatite	1220669
18825	Pegmatite	1220669
18826	Pegmatite	1220669
18827	Pegmatite	1220669
18828	Pegmatite	1133795

Sample #	Rock Type	Claim Number
18829	Pegmatite	1133795
18830	Pegmatitic Granite	1162991
18831	Pegmatitic Granite	1162989
18832	Pegmatite	1178297
18833	Pegmatite	1178297
18834	Pegmatite	1178297
18835	Pegmatitic Granite	1162991
18836	Pegmatitic Granite	1162991
18837	Pegmatitic Granite	1178296
18838	Pegmatitic Granite	1178296
18839	Pegmatitic Granite	1178296
18840	Pegmatite	1178787
18841	Pegmatite	1178787
18842	Pegmatite	1178296
18843	Pegmatite	1178296
18844	Pegmatite	1178296
18845	Pegmatite	1178296
18846	Pegmatite	1178296
18847	Pegmatite	1178296
18848	Pegmatite	1178296

Claim Total For Samples

Claim #	Samples Taken	Percent Of Geochemical Work
1178296	13	31.7 %
1178787	4	9.8 %
1220539	1	2.4 %
1220669	13	31.7 %
1133795	3	7.3 %
1162991	3	7.3 %
1162989	1	2.4 %
1178297	3	7.3 %
Grand Total	41	100 %

Claim Distribution Breakdown

2003 Field Mapping Program (Cost broken down by days spent on claim)

2003 Field Mapping Program Total **$6,250**

Claim	1133795	1220669
Percentage	22%	78%
Cost Breakdown	**$1,375**	**$4,875**

2003 Mapping - Office (Cost broken down by days spent on claim)

2003 Mapping - Office **$1,513**

Claim	1133795	1220669
Percentage	22%	78%
Cost Breakdown	**$333**	**$1,180**

2003 Geochemical Study (Costs Broken down by number of samples on a claim)

2003 Geochemical Study **$2,201**

Claim	1178296	1178787	1220539	1220669	1133795	1162991	1162989	1178297
Percentage	31.7	9.9	2.4	31.7	7.3	7.3	2.4	7.3
Cost Breakdown	**$698**	**$218**	**$53**	**$698**	**$161**	**$161**	**$53**	**$161**

Grand Total Submitted for Assessment **$9,963**

Total Claim Distribution

Claim	1178296	1178787	1220539	1220669	1133795	1162991	1162989	1178297
Cost Breakdown	**$698**	**$218**	**$53**	**$6,750**	**$1,869**	**$161**	**$53**	**$161**

Note: Values have been rounded to the nearest dollar amount

Appendix B

Invoices and Time Sheets

Hideaway Cabins
Box 66
Reddett ON
POX1M0

DATE May 30/03

NAME Fontaleon Mining

ADDRESS c/o Corey Galeschuk

SOLD BY	COD	CHARGE	ON ACCOUNT	AMOUNT FWD.
	PO- 1958-05			

1	Rooms for 10	
2	nits for 2	800 00
3	persons @ GST	56 00
4	40.00 per nite	856 00
5		
6	Meals for 10	800 00
7	days for 2 GST	56 00
8	persons @	856 00
9	40 a day	
10		

GST $

TAX REG NO. 139426445 PST 1712 00

10

TOTAL

SIGNATURE R Galeschuk

Blueline G3NCR-2 SALES BOOK

1551641 2. 6904.000

Hideaway Cabins
Box 66
Reddett ON
POX1M0

DATE May 30/03

NAME Fontaleon Mining

ADDRESS c/o Corey Galeschuk

SOLD BY	COD	CHARGE	ON ACCOUNT	AMOUNT FWD.

1		
2	Boat + Motor	
3	Rental	
4	3 days @ 80.00	
5	a day	240 00
6		
7	GST	16 80
8	PST	19 20
9		
10		

GST $

TAX REG NO. 139426445 PST 276.00

09

TOTAL

SIGNATURE R Galeschuk

Blueline G3NCR-2 SALES BOOK

1551641 2. 7953.000

ACME ANALYTICAL LABORATORIES LTD.

852 East Hastings,, Vancouver, B.C., CANADA V6A 1R6
Phone: (604) 253-3158 Fax: (604) 253-1716
Our GST # 100035377 RT

TANTALUM MINING
Box 2000
Lac du Bonnet, MB
R0E 1A0

Inv.#: **A302249**
Date: Jul 18 2003

QTY	ASSAY	PRICE	AMOUNT
41	GROUP 1T-MS @	16.00	656.00
27	R150 - ROCK @	4.50	121.50
7	R150 - CORE @	4.50	31.50
	GST Taxable		809.00
	7.00% GST		56.63
	CAD $		**865.63**

Project: SLP
Samples submitted by Carey Galeschuk
FILE # A302249 & A302250

COPIES 1 FAX 1 E-DATA 1

REÇU/RECEIVED
25 -07- 2003

Please pay last amount shown. Return one copy of this invoice with payment.
TERMS: Net two weeks. 1.5 % per month charged on overdue accounts.

[COPY 2]

Rental Invoice
Facture de location

Enterprise rent-a-car

351 MAIN STREET
SELKIRK MB R1A 3I7

Rental Agreement/Contrat de Location D710131 - C607

BILLING DETAIL/DÉTAILS DE LA FACTURE

Description/ Description		Rate/ Tarif	Amt/ Montant
1 MONTHS/MOIS	@	980.00	980.00
GST			68.60
PST/TVQ		7.00	68.60

Bill To/Facturer à:

0000296-00001/00001-T-C607Y14038
TANTALUM MINING
ATTN: VANSTONE*PETER*
BOX 2000
LAC DU BONNET MB R0E 1E0

Separation Lake Project 30
(15516412 · 7952 · 004 – 524 · 30
15516403 · 7952 · 004 – 524 · 30
15511000 · 1052 · 021 – 68 · 60
1117.20

APPROVED BY Lt. Vanstone.
Peter Vanstone

REC'D/RECEIVED
- 2 -07- 2003

RENTAL INFORMATION
INFORMATION POUR LA LOCATION

Date Out / Date de sortie: 15/05/03 7:35PM
Date In / Date de retour: 14/06/03 7:30AM
Renter/Locataire: TOM TONNER
Home Phone/Téléphone au domicile: 204-785-8212
Address/Adresse: 223 TAIT ST
Office Phone/Téléphone au bureau:
City/Ville: SELKIRK
Province/ Province: MB
Postal Code/ Code postal: R1A 1J8
Driver License / Permis de conduire: TONNETH544MS
Province/ Province: MB
Exp/ Exp: 7/31/03
DOB /Date de naissance: 10/07/46

Additional driver/Conducteur supplémentaire

Name /Nom: TANTALUM MINING
Age / Age: 21
Driver License / Permis de conduire
Province/ Province
Exp/ Exp

AMOUNT DUE/MONTANT DÛ ▶ **1117.20**

RENTAL VEHICLES / VEHICULES LOUES

Colour/Couleur: BRT RED
Lic.#/#Licence: ADS455
Model/Modèle: 03 F15C
Unit#/#Véhicule: XT2320

CLAIM INFORMATION / DECLARATION DE SINISTRE

Claim# / Policy# / #Plainte/ #Police / # O.A.: 2370 OS REV-1
Insured/ Assuré
Loss Date /Date sinistre
Loss Type/ Type sinistre
Car Type / Type véhicule
Repair/ Atelier réparation

IMPORTANT INFORMATION
INFORMATION IMPORTANTE

Billing Inq. Call/ Appel pour information sur facture: 204-482-1009
Fed Tax ID# / #ID taxe fédérale: 889365821
Billing Information/Information de la facture: TOTAL CHARGES/CHARGES TOTALES

Thank You For Choosing Enterprise/Merci

NOW AT WINNIPEG INTERNATIONAL AIRPORT
AND ONLY ONE NUMBER TO CALL
1-800-RENT-A-CAR

Please return this portion with remittance
Veuillez renvoyer cette partie avec votre rÉglement

AMOUNT DUE/MONTANT DÛ ▶ **1117.20**

Remit to/Envoyer à:
ENTERPRISE RENT-A-CAR

554 PEMBINA HIGHWAY
WINNIPEG MB R3M 2M4

Paid by/Payé par:
TANTALUM MINING
ATTN: VANSTONE*PETER*
BOX 2000
LAC DU BONNET MB R0E 1E0

Cust# / #Client	Rental Agreement/ # Contrat de loc	Amt/ Montant	GPBR/ GR.FI.
Y14038	D710131	1117.20	C607

24/06

Tantalum Mining Corporation of Canada Limited

GENERAL EXPENSE REPORT (CDN $ only)

DATE:	June 5th, 2003	NAME:	Carey Galeschuk

FOR EXPENDITURES BELOW, REPORT GOODS AND SERVICES TAX SEPARATELY		KILOMETRE RATE: $0.30			NON-KILOMETRE EXPENSES	
DATE:	DETAILS	NUMBER OF KILOMETRES	KILOMETRE TOTALS (EXCLUDING GST PORTION)	GST PORTION OF KILOMETRES	NON-KILOMETRE EXPENSES (EXCLUDING GST)	GST PORTION OF NON-KILOMETRE EXPENSES
21-May-03	#1) Gas for Exploration Truck - Clearwater Bay, Ontario	-	$0.00	$0.00	$43.93	$3.07
21-May-03	#1) Water and food - Clearwater Bay, Ontario (Area under a water advisory)	-	$0.00	$0.00	$24.10	$0.00
24-May-03	#2) Gas for Exploration Truck - Kenora, Ontario	-	$0.00	$0.00	$51.41	$3.60
28-May-03	#3) Gas for Exploration Truck - Kenora, Ontario	-	$0.00	$0.00	$50.47	$3.53
29-May-03	#4) Supper for Galeschuk and Maxwell (Kenora, Ontario)	-	$0.00	$0.00	$41.75	$2.71
30-May-03	#5) Breakfest for Galeschuk and Maxwell (Prawda, Manitoba)	-	$0.00	$0.00	$11.53	$0.87
		-	$0.00	$0.00	$0.00	$0.00
			$0.00	$0.00	$0.00	$0.00
			$0.00	$0.00	$0.00	$0.00
	TOTALS	-	$0.00	$0.00	$223.19	$13.78

EMPLOYEE SIGNATURE: DATE:

SUPERVISOR SIGNATURE: DATE:

FILE COPY

TOTAL EXPENSES LESS GST	$223.19
TOTAL GST	$ 13.78
TOTAL CLAIM:	$ 236.97

* *State names of guests and their companies below:*

_____

_____

_____

_____

Tom Tonner must approve all safety glasses claims.

Enter values in Blue cells ONLY

ACCOUNTING DISTRIBUTION OF EXPENSE CLAIM				
DESCRIPTION	JDE ACCOUNT NUMBER			AMOUNT
	Cost Centre	Object	Subledger	
MILEAGE	15516401	7653	.000	$ -
* BUSINESS MEALS		7210	4	
* ENTERTAINMENT		7350		
SAFETY GLASSES		5530		
Meals	15516412	6912	.000	$ 77.38
MEMBERSHIPS AND DUES	15516401	7657	.002	
Vehicle Expenses (gas)	15516412	6903	.000	$ 145.81
Filing Fees	15516404	7652	.000	
Field Supplies	15516402	6452	.000	
GST	551000	0133	015	$ 13.78
TOTAL				236.97

Tanco Exploration Timesheet for Separation Lake Project - 2003 Mapping and Geochemical Study

ID	Project Name	Performed By	Date Performed	Hours Spent	Details	subLedger#	Account#	Day Type
					General field labour			Regular
92821	SLP	CRG	5/21/2003	4	Mob to Redditt Ontario	15516412	6052.000	Day
					General field labour			Regular
92835	SLP	JCM	5/21/2003	4	Mob to Redditt Ontario	15516412	6052.000	Day
					Geologic mapping-Field			Regular
92836	SLP	JCM	5/22/2003	8	Assisting in Mapping	15516412	6052.113	Day
					Geologic mapping-Field			Regular
92823	SLP	CRG	5/22/2003	8	Field Mapping	15516412	6052.113	Day
					Geologic mapping-Field			Regular
92837	SLP	JCM	5/23/2003	8	Assisting in Mapping	15516412	6052.113	Day
					Geologic mapping-Field			Regular
92824	SLP	CRG	5/23/2003	8	Field Mapping	15516412	6052.113	Day
					Geologic mapping-Field			Paid
92838	SLP	JCM	5/24/2003	8	Assisting in Mapping	15516412	6052.113	Overtime
					Geologic mapping-Field			Banked
92825	SLP	CRG	5/24/2003	8	Field Mapping	15516412	6052.113	Day
					Geologic mapping-Field			Paid
92826	SLP	CRG	5/25/2003	8	Field Mapping	15516412	6052.113	Overtime
					Geologic mapping-Field			Paid
92839	SLP	JCM	5/25/2003	8	Assisting in Mapping	15516412	6052.113	Overtime
					Geologic mapping-Field			Regular
92827	SLP	CRG	5/26/2003	8	Field Mapping	15516412	6052.113	Day
					Geologic mapping-Field			Regular
92840	SLP	JCM	5/26/2003	8	Assisting in Mapping	15516412	6052.113	Day
					Geologic mapping-Field			Regular
92841	SLP	JCM	5/27/2003	8	Assisting in Mapping	15516412	6052.113	Day
					Geologic mapping-Field			Regular
92828	SLP	CRG	5/27/2003	8	Field Mapping	15516412	6052.113	Day
					Geologic mapping-Field			Regular
92842	SLP	JCM	5/28/2003	8	Assisting in Mapping	15516412	6052.113	Day
					Geologic mapping-Field			Regular
92829	SLP	CRG	5/28/2003	8	Field Mapping	15516412	6052.113	Day
					Geologic mapping-Field			Regular
92830	SLP	CRG	5/29/2003	8	Field Mapping	15516412	6052.113	Day
					Geologic mapping-Field			Regular
92843	SLP	JCM	5/29/2003	8	Assisting in Mapping	15516412	6052.113	Day
					Geologic mapping-Field			Regular
92844	SLP	JCM	5/30/2003	8	Assist in Mapping	15516412	6052.113	Day
					Geologic mapping-Field			Regular
92831	SLP	CRG	5/30/2003	8	Field Mapping	15516412	6052.113	Day
					General field labour			Paid
92845	SLP	JCM	5/31/2003	4	Demob	15516412	6052.000	Overtime
					General field labour			Paid
92832	SLP	CRG	5/31/2003	4	Demob	15516412	6052.000	Overtime
					Lithogeochemistry-Office			Regular
92874	SLP	CRG	6/9/2003	6	Samples	15516412	6052.102	Day
					Lithogeochemistry-Office			Regular
92916	SLP	CRG	6/17/2003	4	Samples	15516412	6052.102	Day
					Geologic mapping-Office			Regular
92932	SLP	JCM	6/24/2003	8	Drafting	15516406	6052.103	Day
					Lithogeochemistry-Office			Regular
93052	SLP	CRG	7/23/2003	8	REE plots	15516412	6052.102	Day
					Geologic mapping-Office			Regular
93056	SLP	JCM	7/24/2003	8	Drafting	15516412	6052.103	Day
					Geologic mapping-Office			Regular
93058	SLP	CRG	7/25/2003	8	Drafting	15516412	6052.103	Day
					Geologic mapping-Office			Regular
93082	SLP	CRG	7/31/2003	8	Drafting	15516412	6052.103	Day
					Geologic mapping-Office			Regular
93117	SLP	CRG	8/7/2003	8	Drafting	15516412	6052.103	Day
					Lithogeochemistry-Office			Regular
93149	SLP	CRG	8/13/2003	4	Assessment Report	15516412	6052.102	Day
					Geologic mapping-Office			Regular
93150	SLP	CRG	8/14/2003	8	Assessment Report	15516412	6052.103	Day
					Lithogeochemistry-Office			Regular
93154	SLP	CRG	8/18/2003	8	Assessment Report	15516412	6052.102	Day
					Lithogeochemistry-Office			Regular
93156	SLP	CRG	8/19/2003	8	Assessment Report	15516412	6052.102	Day
					Lithogeochemistry-Office			Paid
93162	SLP	CRG	8/24/2003	8	Assessment Report	15516412	6052.102	Overtime
					Geologic mapping-Office			Regular
93163	SLP	CRG	8/25/2003	2	Complete Assessment Reports	15516412	6052.103	Day
			Total Hours	256				

CRG = Carey Galeschuk
JCM = James Maxwell

Appendix C

Acme Analytical Laboratories Assay Certificates

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Tantalum Mining PROJECT SLP File # A302249 Page 1 (b)

Box 2000, Lac du Bonnet MB R0E 1A0 Submitted by: Carey Galeschuk

SAMPLE#	Y 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	Hf ppm	Li ppm	Rb ppm	Ta ppm	Nb ppm	Cs ppm	Ga ppm
SI	3.2	4.31	.6	2.3	.4	.3	.5	.1	.5	.1	.2	<.1	.3	.1	2.43	3.0	5.7	<.1	.52	.2	1.89
18808	24.7	15.04	2.3	11.5	3.5	1.6	4.4	.7	4.8	1.0	3.0	.4	2.7	.4	.84	29.6	2.2	.2	3.28	3.6	19.48
18809	.6	.57	.1	.3	.2	<.1	.1	<.1	.1	<.1	<.1	<.1	<.1	<.1	.10	65.3	7945.5	1.7	1.06	391.8	34.77
18810	4.4	8.22	1.5	6.1	4.2	<.1	3.0	.5	1.4	.1	.3	<.1	.3	<.1	1.46	532.2	1746.8	73.3	79.12	141.5	65.18
18811	1.1	.50	.1	.5	.1	<.1	.1	<.1	.2	<.1	.1	<.1	.2	<.1	.68	9095.3	1667.1	22.4	32.59	20.5	30.63
18812	9.2	7.75	1.0	4.2	1.0	.6	1.1	.2	1.3	.3	1.0	.2	1.0	.2	.31	62.3	10.8	.2	.55	.1	3.86
18813	10.9	79.82	10.0	34.3	6.5	.4	4.9	.7	2.9	.4	.8	.1	.8	.1	5.73	90.5	341.7	1.6	19.47	7.5	24.26
18814	12.4	13.62	1.7	6.6	1.8	.3	1.5	.3	2.5	.5	1.6	.3	2.6	.4	3.18	68.6	56.8	4.1	14.31	5.6	24.08
18815	13.2	108.29	14.9	55.9	8.7	2.2	6.4	.7	3.3	.5	1.2	.1	1.1	.1	3.68	32.1	9.2	.3	4.30	.3	17.92
18816	7.8	4.05	.7	2.9	1.1	.4	1.7	.3	1.9	.4	1.0	.1	1.0	.1	2.40	10.6	1.7	.2	2.24	2.1	34.26
18817	5.8	10.10	1.2	4.2	.7	1.1	.9	.1	.9	.2	.6	.1	.5	.1	.20	3.4	1.9	<.1	.39	2.1	3.11
18818	10.0	16.58	2.2	7.3	2.1	.2	1.5	.3	1.8	.4	1.2	.2	2.2	.3	.83	11.4	124.4	3.1	15.22	2.5	28.26
18819	12.1	36.37	4.6	15.5	4.1	.1	2.4	.4	2.1	.4	1.2	.2	2.3	.3	1.35	19.2	82.6	4.0	16.21	2.3	24.58
18820	16.3	9.73	1.5	6.6	2.2	.8	2.7	.5	2.9	.6	1.9	.3	2.1	.3	.69	38.0	109.1	.2	2.14	25.1	17.45
18821	3.9	6.72	.9	2.7	1.1	.1	.6	.1	.8	.1	.4	.1	1.0	.1	.87	22.9	52.2	17.3	43.67	3.9	33.41
18822	1.1	4.64	.5	1.7	.4	.2	.2	<.1	.2	<.1	.1	<.1	.2	<.1	.39	95.0	114.4	5.6	16.27	16.8	33.28
18823	6.3	11.54	1.6	4.9	2.6	<.1	1.4	.3	1.5	.2	1.1	.3	4.6	.8	1.30	13.0	231.4	12.9	78.55	1.3	36.26
18824	.6	.40	.1	.2	.1	<.1	.1	<.1	.1	<.1	<.1	<.1	<.1	<.1	.03	5.3	1188.4	.2	.71	5.8	29.19
RE 18824	.2	.24	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	.03	5.1	1211.7	.2	.98	5.9	29.96
18825	8.2	7.01	.9	2.9	1.4	<.1	.7	.2	1.5	.3	1.5	.5	6.3	1.0	.82	13.3	510.2	7.5	74.71	1.9	29.84
18826	5.4	2.70	.3	1.0	.5	<.1	.3	.1	.7	.2	.7	.2	3.2	.5	.19	25.9	509.0	6.8	70.92	3.9	31.54
18827	3.6	3.53	.4	1.6	.9	.1	.6	.1	.7	.1	.4	.1	1.2	.2	1.33	51.3	131.2	19.8	40.33	5.3	36.88
18828	10.3	11.83	1.5	4.9	1.9	<.1	1.1	.3	1.4	.3	1.2	.4	4.9	.8	.17	23.3	116.9	4.9	37.25	1.7	28.07
18829	1.8	3.05	.3	1.0	.3	.1	.2	<.1	.2	<.1	.2	<.1	.4	<.1	.22	12.7	57.1	1.0	3.52	1.2	19.07
18830	32.0	9.16	1.4	5.1	2.7	<.1	2.9	.9	4.8	.6	1.6	.3	2.4	.3	1.51	436.5	1518.3	14.4	63.21	26.6	47.39
18831	15.2	7.95	1.0	3.1	1.7	<.1	2.1	.5	2.9	.4	1.1	.1	1.2	.1	.76	149.4	564.4	6.7	24.17	22.3	29.44
18832	4.8	2.97	.4	1.4	.7	<.1	.6	.2	.9	.1	.3	.1	.7	.1	1.46	187.9	665.8	41.1	46.09	11.8	37.78
18833	2.3	1.58	.2	.7	.4	<.1	.3	.1	.5	.1	.2	<.1	.3	<.1	2.27	233.4	3458.9	53.7	26.33	91.9	32.43
18834	5.5	3.38	.4	1.3	.6	<.1	.6	.2	1.1	.1	.4	.1	.7	.1	1.29	324.5	407.1	8.6	12.96	32.2	29.38
STANDARD DST4	14.7	46.34	5.6	20.1	4.3	1.0	3.5	.6	2.9	.5	1.6	.2	1.7	.2	1.60	21.3	65.9	.7	8.49	7.8	16.78

GROUP 1T-MS - 0.25 GM SAMPLE DIGESTED WITH HCLO4-HNO3-HCL-HF TO 10 ML. UPPER LIMITS - AG, AU, W = 200 PPM; MO, CO, CD, SB, BI, TH & U = 4,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. DIGESTION IS PARTIAL FOR SOME MINERALS & MAY VOLATIZE SOME ELEMENTS, ANALYSIS BY ICP-MS.
- SAMPLE TYPE: P1 ROCK P2 CORE Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 26 2003 **DATE REPORT MAILED:** **SIGNED BY**.....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Assay recommend for Li, Rb > 1000ppm

 Data ✓ FA ___

SAMPLE#	Y 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	Hf ppm	Li ppm	Rb ppm	Ta ppm	Nb ppm	Cs ppm	Ga ppm
18835	35.8	34.74	5.2	18.5	8.9	<.1	6.2	1.2	5.7	.7	1.8	.3	2.9	.4	1.96	425.8	1708.1	12.4	55.90	41.8	48.19
18836	20.8	12.69	1.8	6.2	3.6	<.1	2.9	.6	3.0	.4	1.3	.3	2.6	.3	2.02	208.0	1003.6	14.4	52.18	30.2	41.66
18837	11.5	10.43	1.2	3.9	1.8	<.1	1.8	.4	2.2	.3	.8	.1	.9	.1	1.03	603.3	1636.9	27.1	52.16	169.0	39.59
18838	5.5	10.78	1.4	4.7	2.3	<.1	1.9	.3	1.4	.1	.4	<.1	.4	<.1	1.71	311.2	2060.4	17.0	76.04	124.6	32.33
18839	1.6	.93	.1	.3	.3	<.1	.4	.1	.3	<.1	.1	<.1	.2	<.1	1.05	5770.0	3395.4	47.1	56.13	143.7	41.46
18840	.6	.44	<.1	.2	.1	<.1	.1	<.1	.1	<.1	<.1	<.1	.1	<.1	.56	12799.5	3036.2	18.7	25.12	64.4	33.66
18841	1.3	.92	.1	.4	.2	<.1	.2	.1	.2	<.1	.1	<.1	.1	<.1	.52	9386.3	2869.4	40.0	52.66	47.5	36.65
STANDARD DST4	14.6	46.26	5.4	19.4	4.0	1.0	3.7	.5	2.7	.5	1.5	.2	1.6	.2	1.70	21.2	74.0	.6	9.00	7.8	16.94

Sample type: CORE R150 60C.

Data ✓ FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	Al %	Na %	K %	W ppm	Zr ppm	Sn ppm	Be ppm	Sc ppm	S %
18835	.75	2.60	5.63	75.6	55	1.9	.2	3087	1.22	9.6	1.6	<.1	12.1	1	.39	.77	.63	2	.07	.009	11	11	.02	2	.004	6.36	2.857	2.44	9.2	19.2	92.0	4	3.8	<.04
18836	1.15	3.62	6.50	35.4	67	2.3	.2	1815	.77	9.0	2.5	<.1	6.2	1	.27	.57	.18	1	.14	.013	4	4	<.02	1	.003	7.31	5.027	1.71	8.4	18.7	47.1	4	2.9	<.04
18837	.63	2.38	13.21	95.4	64	1.4	<.2	627	1.10	67.5	7.6	<.1	8.3	13	.20	1.71	.67	<1	.35	.049	5	10	.06	6	.007	7.58	3.834	3.13	11.7	12.2	62.6	38	1.8	<.04
18838	.52	1.95	16.43	29.4	290	1.2	<.2	226	.47	27.8	1.6	<.1	10.1	4	.08	3.74	364.03	<1	.12	.031	4	7	.02	5	.006	7.14	2.607	5.14	9.5	16.5	31.9	44	3.8	<.04
18839	1.01	3.15	4.01	24.9	36	2.6	<.2	1235	.52	9.0	6.5	<.1	3.3	5	.30	.30	7.20	1	.20	.095	<1	11	<.02	2	.002	7.70	3.498	2.37	8.8	9.6	28.2	12	.6	<.04
18840	.66	12.21	8.58	29.6	42	1.4	.3	244	.42	26.2	1.9	<.1	.6	31	.14	5.37	2.21	<1	.16	.056	<1	5	.06	16	.003	8.33	1.498	3.03	2.9	6.1	7.3	38	.5	<.04
18841	.99	2.92	4.83	22.1	23	2.2	<.2	613	.47	25.9	3.0	<.1	1.4	13	.09	1.82	2.17	1	.18	.070	<1	7	.09	17	.005	8.25	1.980	2.98	7.3	5.5	29.7	18	1.0	<.04
STANDARD DST4	6.97	126.17	35.63	182.3	345	38.5	13.5	1044	4.19	25.9	6.8	<.1	6.2	227	5.68	6.38	4.61	136	1.59	.101	26	279	.97	1114	.397	7.04	1.907	1.89	8.1	46.4	6.1	4	9.2	.09

Sample type: CORE R150 60C.

Data K 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

Tantalum Mining PROJECT SLP File # A302249 Page 1 (a)

Box 2000, Lac du Bonnet MB R0E 1A0 Submitted by: Carey Galeschuk

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	Al %	Na %	K %	W ppm	Zr ppm	Sn ppm	Be ppm	Sc ppm	S %
S1	.72	4.84	13.87	12.2	153	<.1	<.2	51	.15	.9	.4	<.1	.5	184	.10	.60	.16	<1	7.38	.012	2	2	.15	155	.027	1.42	9.864	.21	.5	85.0	2.3	<1	.8	.04
18808	47	120.64	3.56	127.2	162	141.8	50.8	1810	9.23	214.3	.2	<.1	.5	124	.06	1.40	.30	292	8.84	.054	6	168	3.76	27	.741	7.37	.526	.09	5.7	23.5	3.4	<1	25.2	1.51
18809	.73	2.81	29.59	3.1	48	2.4	.7	62	.22	7.5	.4	<.1	.1	16	<.02	1.09	.05	1	.13	.026	<1	1	.04	54	.007	7.29	2.102	6.93	2.1	.8	6.1	5	.2	<.04
18810	.67	3.48	5.02	25.2	39	2.3	.8	360	.46	14.2	1.8	<.1	4.6	7	<.02	1.36	.06	3	.27	.018	2	4	.09	6	.042	4.67	4.280	1.34	6.1	7.6	117.7	86	2.6	<.04
18811	1.25	6.80	7.33	5.2	44	2.4	.2	294	.43	16.7	1.8	<.1	.4	4	<.02	2.20	.13	1	.13	.053	1	6	.02	11	.002	5.88	2.310	1.78	4.3	7.2	4.6	12	.6	<.04
18812	.83	28.99	.90	321.2	140	16.9	5.8	>9999	26.94	11.5	.2	<.1	.1	36	.36	3.37	.10	52	1.31	.007	4	33	2.52	18	.064	.88	.070	.05	.9	12.3	.5	<1	5.4	.62
18813	1.39	3.31	46.17	114.3	132	7.2	3.0	321	2.17	5.2	5.4	<.1	25.9	83	.06	.11	.43	15	.51	.052	36	11	.30	344	.164	5.94	2.225	5.22	4.0	164.3	3.3	1	3.3	<.04
18814	1.05	4.22	15.93	29.4	68	3.1	1.7	298	.91	2.6	8.8	<.1	12.1	95	.07	.05	.15	8	1.89	.012	6	<1	.17	60	.060	6.38	4.125	.50	1.6	71.9	1.2	13	3.0	<.04
18815	.72	45.90	5.15	67.0	121	23.9	21.3	1057	5.88	1.7	1.7	<.1	8.8	554	.18	.07	.96	136	6.51	.199	49	74	2.42	130	.563	7.41	2.514	.22	2.1	122.7	1.5	1	9.0	<.04
18816	4.89	139.98	1.15	664.2	110	3.5	9.2	>9999	27.11	2.8	.6	<.1	1.5	6	2.15	.13	1.33	73	1.98	.019	3	57	2.42	10	.223	4.98	.062	.02	1.4	72.7	3.1	<1	6.9	.09
18817	1.14	104.20	1.08	207.5	84	16.6	16.1	1396	19.51	1.5	.1	<.1	.2	5	.39	.03	.19	5	3.13	.051	8	5	.48	10	.016	.62	.062	.03	5.9	4.8	5.7	<1	.5	.05
18818	.87	18.05	17.05	15.0	41	1.7	.6	122	.64	2.5	4.7	<.1	8.3	49	.04	.04	.10	<1	1.29	.011	7	1	.07	31	.024	5.98	3.670	1.68	1.6	15.1	.6	6	2.6	<.04
18819	1.43	6.33	18.96	10.6	26	2.7	.6	116	.72	3.4	4.3	<.1	16.7	16	.02	.05	.07	<1	.80	.008	16	4	.06	7	.030	5.37	3.697	.91	4.0	18.3	1.5	6	2.3	<.04
18820	.74	363.05	3.89	449.1	604	87.7	39.4	2228	14.07	7.8	.7	<.1	.4	77	1.42	.17	1.15	257	5.00	.030	4	298	2.57	154	.505	6.34	1.638	.66	20.9	10.7	3.8	3	27.0	2.12
18821	1.21	4.91	9.86	12.6	30	3.2	.4	134	.45	6.6	3.4	<.1	5.2	26	.02	.12	2.55	2	1.00	.009	3	<1	.06	9	.013	6.05	4.632	.46	4.8	9.0	1.7	26	1.1	<.04
18822	.42	4.60	16.49	30.1	66	2.3	1.1	332	.81	2.5	.5	<.1	1.5	27	.07	.03	.09	7	1.29	.005	2	4	.13	9	.031	7.78	5.896	.67	1.5	6.8	3.8	19	2.0	<.04
18823	1.24	3.94	8.60	9.7	45	2.2	<.2	1610	.42	10.8	4.7	<.1	11.0	1	.06	.05	.14	<1	.31	.018	5	2	<.02	3	.003	6.20	4.123	2.63	5.9	19.8	.5	1	.2	<.04
18824	.33	2.83	20.89	3.0	56	.7	<.2	26	.12	.6	.1	<.1	<.1	2	<.02	.08	.15	<1	.05	.021	<1	<1	<.02	3	.001	7.52	2.268	9.17	.5	.5	.6	2	.1	<.04
RE 18824	.31	1.42	22.42	3.2	38	.8	<.2	21	.12	.7	.1	<.1	<.1	2	<.02	.07	.16	1	.05	.022	<1	<1	< 02	3	.001	7.27	2.260	9.90	.7	.5	.6	1	.1	<.04
18825	1.33	3.98	11.77	8.9	20	2.7	.2	1675	.56	11.3	2.2	<.1	4.0	2	.09	.05	.08	1	.26	.017	3	1	<.02	3	.002	6.10	3.272	4.94	5.1	16.8	.9	3	.2	<.04
18826	.60	2.70	11.19	8.4	47	1.6	.2	893	.42	10.4	2.5	<.1	3.7	5	.04	.05	6.30	<1	.24	.020	1	2	<.02	5	.005	6.10	3.399	4.13	3.3	3.4	2.2	4	.6	<.04
18827	4.97	6.72	7.08	40.4	55	4.3	1.0	615	.75	6.4	2.9	<.1	3.9	39	.04	.05	.86	7	1.33	.015	1	5	.12	17	.026	6.58	4.506	1.14	3.4	15.1	2.2	11	1.1	<.04
18828	.53	2.46	11.30	9.1	29	1.8	.3	1069	.53	6.1	3.5	<.1	4.0	7	.02	.06	1.03	1	.61	.010	5	4	.04	5	.017	5.92	4.295	1.15	2.0	2.5	1.4	7	3.8	<.04
18829	1.65	4.82	13.77	16.9	42	2.6	<.2	96	.38	.5	1.1	<.1	1.2	51	.07	.05	.07	4	1.59	.009	2	3	.05	35	.013	5.90	3.407	.82	3.1	3.6	.7	10	1.1	.07
18830	.66	2.55	2.56	91.5	<20	1.7	.3	2775	1.16	9.6	.8	<.1	2.7	1	.26	.17	.50	1	.06	.008	3	1	.03	1	.004	5.84	2.452	2.19	7.4	14.2	88.4	4	2.6	<.04
18831	1.20	3.06	18.67	46.4	74	2.2	<.2	400	.86	6.1	2.8	<.1	12.8	1	.14	.11	9.10	<1	.32	.036	3	3	.04	4	.003	5.90	3.086	2.67	4.5	8.6	13.0	42	2.0	<.04
18832	.57	2.87	5.84	17.5	<20	1.5	<.2	1970	.45	8.4	2.9	<.1	2.6	13	.08	.30	.11	2	.49	.018	1	1	.02	4	.003	5.82	4.663	1.32	3.6	11.5	25.4	52	.9	.05
18833	1.09	2.90	11.46	10.3	<20	2.5	.2	499	.36	5.7	2.7	<.1	1.3	5	.02	.93	.95	<1	.14	.030	<1	5	.02	9	.002	6.74	2.528	7.45	4.4	16.4	30.5	36	1.0	<.04
18834	.53	2.37	3.97	10.5	26	1.3	<.2	1338	.37	6.9	1.1	<.1	1.0	6	.09	1.40	.65	<1	.39	.017	1	1	.03	3	.001	5.55	4.241	.87	1.5	10.7	17.3	36	.9	<.04
STANDARD DST4	7.15	121.30	35.19	184.0	305	38.0	13.3	1007	4.11	24.2	6.9	<.1	6.0	228	5.31	5.99	4.65	131	1.51	.101	25	271	.94	1056	.387	6.46	1.864	1.82	7.5	44.7	5.9	4	9.1	.07

GROUP 1T-MS - 0.25 GM SAMPLE DIGESTED WITH HCLO4-HNO3-HCL-HF TO 10 ML. UPPER LIMITS - AG, AU, W = 200 PPM; MO, CO, CD, SB, BI, TH & U = 4,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. DIGESTION IS PARTIAL FOR SOME MINERALS & MAY VOLATIZE SOME ELEMENTS, ANALYSIS BY ICP-MS.
- SAMPLE TYPE: P1 ROCK P2 CORE Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 26 2003 DATE REPORT MAILED: July 15/03 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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

Tantalum Mining PROJECT SLP File # A302250 (b)

Box 2000, Lac du Bonnet MB R0E 1A0 Submitted by: Carey Galeschuk

SAMPLE#	Y 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	Hf ppm	Li ppm	Rb ppm	Ta ppm	Nb ppm	Cs ppm	Ga ppm
18842	16.5	18.91	2.8	10.3	5.7	<.1	4.4	.9	3.5	.4	.9	.2	1.3	.1	2.50	206.0	1233.1	26.9	99.59	48.0	49.92
18843	7.3	5.90	.8	2.9	2.0	<.1	1.8	.4	1.3	.1	.2	<.1	.3	<.1	1.74	52.9	49.7	61.4	99.97	20.1	51.69
18844	4.9	18.49	2.5	9.0	4.3	<.1	3.0	.4	1.4	.1	.2	<.1	.2	<.1	.99	142.6	1851.6	25.4	59.25	61.0	66.34
18845	9.9	9.76	1.4	4.6	3.5	<.1	2.6	.5	1.9	.1	.3	.1	.5	<.1	.57	96.8	3064.8	29.0	36.14	31.1	41.86
18846	7.3	15.19	2.0	7.4	3.6	.1	3.0	.5	1.8	.1	.3	<.1	.4	<.1	2.08	645.3	2993.5	170.6	129.48	676.0	68.30
18847	6.4	5.38	.9	4.0	3.4	.1	3.1	.6	2.0	.1	.3	<.1	.3	<.1	2.86	314.6	5224.0	97.5	83.80	373.5	54.20
18848	4.2	7.39	1.0	3.6	2.0	.2	1.7	.4	1.5	.1	.3	<.1	.3	<.1	1.22	216.6	5711.7	47.4	45.98	313.8	46.27
STANDARD DST4	14.6	46.26	5.4	19.4	4.0	1.0	3.7	.5	2.7	.5	1.5	.2	1.6	.2	1.70	21.2	74.0	.6	9.00	7.8	16.94

GROUP 1T-MS - 0.25 GM SAMPLE DIGESTED WITH HCLO4-HNO3-HCL-HF TO 10 ML. UPPER LIMITS - AG, AU, W = 200 PPM; MO, CO, CD, SB, BI, TH & U = 4,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. DIGESTION IS PARTIAL FOR SOME MINERALS & MAY VOLATIZE SOME ELEMENTS, ANALYSIS BY ICP-MS.
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: JUN 26 2003 DATE REPORT MAILED: July 15/03 SIGNED BY C.L. D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Assay recommend for Rb > 1000 ppm

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

Tantalum Mining PROJECT SLP File # A302250 (a)

Box 2000, Lac du Bonnet MB R0E 1A0 Submitted by: Carey Galeschuk

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	Al %	Na %	K %	W ppm	Zr ppm	Sn ppm	Be ppm	Sc ppm	S %
18842	.61	17.01	3.37	106.7	49	3.0	.4	823	.95	10.6	7.6	<.1	4.3	4	.92	.47	17.38	<1	.23	.008	6	10	.03	2	.004	7.11	4.614	1.92	3.6	19.0	52.5	31	3.8	<.04
18843	1.66	9.36	7.48	4.9	45	1.1	.7	458	.19	28.1	4.8	<.1	1.7	16	.11	.52	.37	<1	.69	.010	2	30	.02	6	.001	9.43	8.326	.18	1.2	10.3	1.9	113	.3	.04
18844	.30	33.51	4.02	26.4	59	1.0	.2	208	.36	9.2	4.2	<.1	4.7	7	.11	.85	2.22	2	.46	.015	6	44	.04	4	.004	9.33	6.125	3.05	2.7	7.8	56.1	53	2.3	.06
18845	.37	1.73	6.34	13.6	42	1.1	.2	734	.39	6.0	2.1	<.1	2.4	4	.16	.26	1.22	6	.20	.015	3	41	<.02	4	.002	8.47	3.907	6.19	1.0	3.0	9.3	14	1.0	<.04
18846	.87	20.83	4.48	35.6	42	6.7	1.5	580	1.61	16.5	5.4	<.1	5.0	14	.04	2.29	.06	2	.36	.091	7	18	.16	9	.040	5.99	2.495	1.65	6.1	10.0	132.3	33	2.5	<.04
18847	.47	12.94	11.14	13.6	38	3.3	.4	431	.91	19.9	6.4	<.1	4.8	15	<.02	1.44	<.04	1	.26	.043	1	13	.05	29	.018	7.80	3.384	4.51	4.5	12.2	59.6	148	1.3	<.04
18848	5.01	35.09	21.56	10.1	36	5.3	1.1	264	1.12	15.7	6.7	<.1	2.7	24	.04	2.51	.12	7	.30	.021	3	18	.09	60	.025	7.93	2.847	6.13	3.3	6.3	38.9	54	2.2	<.04
STANDARD DST4	6.97	127.37	35.63	182.3	345	38.5	13.5	1044	4.19	25.9	6.8	<.1	6.2	227	5.68	6.38	4.61	136	1.59	.101	26	279	.97	1114	.397	7.04	1.907	1.89	8.1	46.4	6.1	4	9.2	.09

GROUP 1T-MS - 0.25 GM SAMPLE DIGESTED WITH HCLO4-HNO3-HCL-HF TO 10 ML. UPPER LIMITS - AG, AU, W = 200 PPM; MO, CO, CD, SB, BI, TH & U = 4,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. DIGESTION IS PARTIAL FOR SOME MINERALS & MAY VOLATIZE SOME ELEMENTS, ANALYSIS BY ICP-MS.
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: JUN 26 2003 DATE REPORT MAILED: July 15/03 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

Appendix D

Statement of Qualifications

Statement of Qualification:

I, Carey R. Galeschuk, reside at the following address:

Box 427
16 Aberdeen Street
Pinawa, Manitoba
R0E 1L0 Telephone: (204) 753-2022

I hereby state that I am the person responsible for the preparation of this report and the supervision of the work performed as mentioned. I am currently employed by the Tantalum Mining Corporation of Canada Limited as a Project Geologist, and have been since January 30th, 1996.

Following is my employer's address:

Tantalum Mining Corporation of Canada Limited
PO Box 2000
Lac du Bonnet, Manitoba
R0E 1A0 Telephone: (204) 884-2400 extension 230
Fax: (204) 884-2211

I am a 1988 graduate of the University of Saskatchewan in Saskatoon, Saskatchewan with a Bachelor of Science (Advanced) degree in Geological Sciences. I have practiced my profession as a geologist since my graduation for numerous companies involved in the exploration of industrial, base and precious metals in Canada.

I am a currently registered Professional Geoscientist in the provinces of Ontario (0734) and Manitoba (#21143G). As well, I am a Fellow member with the Geological Association of Canada and the Society of Economic Geologists. I also hold memberships in the, Association of Exploration Geochemists, Manitoba Prospectors and Developers Association , CIM (Winnipeg Chapter and National member), and the Prospectors and Development Association of Canada.

My Ontario Prospecting License Number is H13984

C.R. Galeschuk, B.Sc., P.Geo.
Project Geologist
Tantalum Mining Corporation of Canada
August 25th, 2003

Work Report Summary

Transaction No: W0310.01350 **Status:** APPROVED
Recording Date: 2003-AUG-29 **Work Done from:** 2003-MAY-21
Approval Date: 2003-SEP-02 **to:** 2003-MAY-31

Client(s):

138329 GOSSAN RESOURCES LIMITED
199962 TANTALUM MINING CORPORATION OF CANADA LIMITED

Survey Type(s):

ASSAY GEOL

Work Report Details:

Claim#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
K 1133795	$1,869	$1,869	$800	$800	$1,069	1,069	$0	$0	2004-OCT-29
K 1162989	$53	$53	$0	$0	$53	53	$0	$0	2005-DEC-14
K 1162991	$161	$161	$0	$0	$161	161	$0	$0	2005-DEC-14
K 1178296	$698	$698	$0	$0	$698	698	$0	$0	2005-JUN-05
K 1178297	$161	$161	$0	$0	$161	161	$0	$0	2005-JUN-05
K 1178787	$218	$218	$0	$0	$218	218	$0	$0	2005-JUN-07
K 1220539	$53	$53	$1,200	$1,200	$0	0	$0	$0	2005-JUL-02
K 1220540	$0	$0	$1,200	$1,200	$0	0	$0	$0	2005-JUL-02
K 1220596	$0	$0	$800	$800	$0	0	$0	$0	2005-JUN-12
K 1220664	$0	$0	$11	$11	$0	0	$0	$0	2005-JUL-16
K 1220669	$6,750	$6,750	$4,000	$4,000	$1,198	1,198	$1,552	$1,552	2004-OCT-29
K 1220915	$0	$0	$400	$400	$0	0	$0	$0	2004-OCT-29
	$9,963	$9,963	$8,411	$8,411	$3,558	$3,558	$1,552	$1,552	

External Credits: $0

Reserve:

$1,552 Reserve of Work Report#: W0310.01350

$1,552 Total Remaining

Status of claim is based on information currently on record.

52L08SW2013 2.26185 TREELINED LAKE 900

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

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

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

Date: 2003-SEP-08

TANTALUM MINING CORPORATION OF CANADA
LIMITED
P.O. BOX 2000
LAC DU BONNET, MANITOBA
R0E 1A0 CANADA

Submission Number: 2.26185
Transaction Number(s): W0310.01350

Dear Sir or Madam

Subject: Approval of Assessment Work

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

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

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

Yours Sincerely,

Roy Denomme
Acting Senior Manager, Mining Lands Section

Cc: Resident Geologist

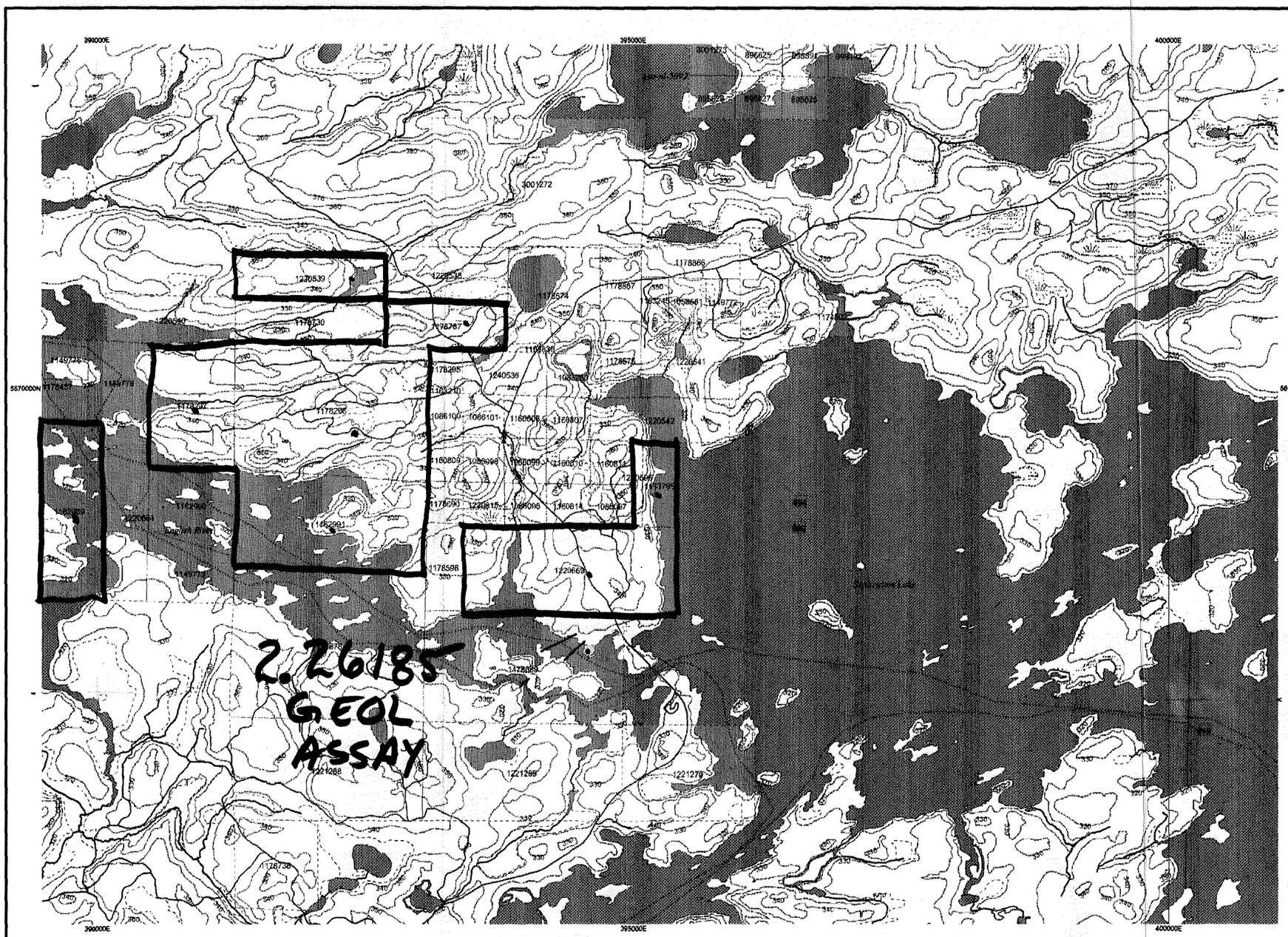
Carey Rus Galeschuk
(Agent)

Tantalum Mining Corporation Of Canada Limited
(Claim Holder)

Assessment File Library

Gossan Resources Limited
(Claim Holder)

Tantalum Mining Corporation Of Canada Limited
(Assessment Office)



UTM Zone 15
5000m grd

ONTARIO CANADA

MINISTRY OF NORTHERN DEVELOPMENT AND MINES
PROVINCIAL MINING RECORDER'S OFFICE

Mining Land Tenure Map

Date / Time of Issue: Thu Sep 25 11:27:27 EDT 2003

TOWNSHIP / AREA
TREELINED LAKE

PLAN
G-2651

ADMINISTRATIVE DISTRICTS / DIVISIONS

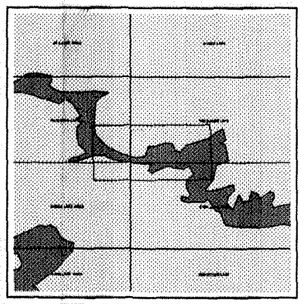
Mining Division	Kenora
Land Titles/Registry Division	KENORA
Ministry of Natural Resources District	KENORA

TOPOGRAPHIC
- Administrative Boundaries
- Township
- Concession, Lot
- Provincial Park
- Indian Reserve
- Cliff, Pit & Pile
- Contour
- Mine Shafts
- Mine Headframe
- Railway
- Road
- Trail
- Natural Gas Pipeline
- Utilities
- Tower

Land Tenure
Freehold Patent
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

Leasehold Patent
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

Licence of Occupation
- Uses Not Specified
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only
- Land Use Permit
- Order In Council (Not open for staking)
- Water Power Lease Agreement
- Mining Claim (1234567)
- Filed Only Mining Claims (1234567)



LAND TENURE WITHDRAWALS

1234 Areas Withdrawn from Disposition

Mining Acts Withdrawal Types
- Wsm Surface And Mining Rights Withdrawn
- Ws Surface Rights Only Withdrawn
- Wm Mining Rights Only Withdrawn

Order In Council Withdrawal Types
- W'sm Surface And Mining Rights Withdrawn
- W's Surface Rights Only Withdrawn
- W'm Mining Rights Only Withdrawn

Nb IMPORTANT NOTICES

Scale 1:40000
750m 0m 2.1km

LAND TENURE WITHDRAWAL DESCRIPTIONS

Identifier	Type	Date	Description
627	Wsm	Jan 1, 2001	AREA WITHDRAWN FROM STAKING, FILES: 34179-VOL.2, 69307
694	Wsm	Jan 1, 2001	FLOODING H.E.P.C. ELEVATION: 1049 FT FILE: 34179 PLAN: U2-27 H.E.P.C. PL
699	Wsm	Jan 1, 2001	FLOODING ELEVATION: 5 FT FILE: 34179 & 69307
719	Wsm	Jan 1, 2001	FLOODING H.E.P.C. ELEVATION: 1049 FT TERM 99 YRS FROM 28 MAY 1956 FI
749	Wsm	Jan 1, 2001	FLOODING H.E.P.C. ELEVATION: 5 FT FILE: 34179 & 69307
772	Wsm	Jan 1, 2001	FLOODING ELEVATION: 5 FT FILE: 34179

Those wishing to stake mining claims should consult with the Provincial Mining Recorders' Office of the Ministry of Northern Development and Mines for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles or Registry Office, or the Ministry of Natural Resources.

The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Ministry of Northern Development and Mines web site.

General Information and Limitations

Contact Information:
Provincial Mining Recorders' Office
Willet Green Miller Centre 933 Ramsey Lake Road
Sudbury ON P3E 6B5
Home Page: www.mndm.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Toll Free
Tel: 1 (888) 415-9845 ext 5178
Fax: 1 (877) 670-1444

Map Datum: NAD 83
Projection: UTM (6 degree)
Topographic Data Source: Land Information Ontario
Mining Land Tenure Source: Provincial Mining Recorders' Office

This map may not show unregistered land tenure and interests in land including certain patents, leases, easements, right of ways, flooding rights, licences, or other forms of disposition of rights and interest from the Crown. Also certain land tenure and land uses that restrict or prohibit free entry to stake mining claims may not be illustrated.

English River Road

Long Bay

Separation Lake

1220569

1220669

1133795

Chukwell Pegmatite

Galmax Pegmatite

Brandi Pegmatite

Hippo Pegmatite

2.26185

LEGEND

- 1 MAFIC VOLCANICS
- 1a Mafic Tuff
- 2 FELSIC VOLCANICS
- 3 IRON FORMATION
- 4 CLASTIC SEDIMENT
- 5 MAFIC INTRUSIVE
- 6 GNEISS MIGMATITE
- 7 FELSIC INTRUSIVE
- 8 PEGMATITIC GRANITE
- PEGMATITES

LIST OF SYMBOLS

- GEOLOGICAL CONTACT
- OUTCROP
- 5 OUTCROP EXPOSURE (WITH ROCK CODE)
- CLAIM LINE
- Ⓟ PILLOWED LAVA
- PEGMATITE EXPOSURE
- 62 FOLIATION
- 64 JOINTS
- 40 62 FOLDS (S-FOLDS, Z-FOLDS)
- FAULTS
- SWAMP/BOG
- ROAD

SCALE

1 : 2500

0 100 200 300 400 500

(Metric)

5° East

True North

Magnetic North

North

(Magnetic Declination at 5° East)

TANTALUM MINING CORPORATION OF CANADA LIMITED

SEPARATION LAKE PROJECT

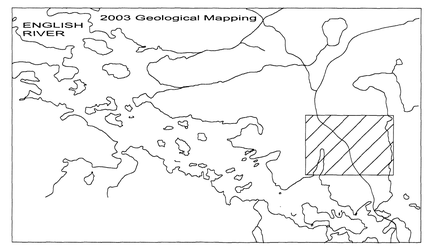
2003 Geological Mapping

Professional Stamp and Seal

CAREY R. GALESCHUK — PRACTISING MEMBER — 0734 — ONTARIO

G.R. GALESCHUK — REGISTERED PROFESSIONAL GEOSCIENTIST

Separation Lake Area Map



DRAWN BY	NTS SHEETS	DATE DRAWN	MAP NUMBER
Carey Galeschuk, P.Geo., Project Geologist	52L/8 (Lennan Lake Map)	August 13th, 2003	Map 1 of 1