



52L08SW2002 2.18226 TREELINED LAKE

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2.18226

REPORT ON DIAMOND DRILLING PROGRAM

SEPARATION LAKE, ONTARIO (52 L/8 SW)

1997

CLAIMS K 1178867, K 1178296, K 1178295, K 1178787 & K 1162991

(CLAIM SHEETS TREELINED LAKE G-2651 AND PATERSON LAKE G-2634)

**TANTALUM MINING CORPORATION OF CANADA LIMITED
P.O. BOX 2000, LAC DU BONNET, MANITOBA, R0E 1A0 / (204) 884-2400**

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PROJECT GEOLOGIST
FEBRUARY 17, 1998
LAC DU BONNET, MANITOBA**



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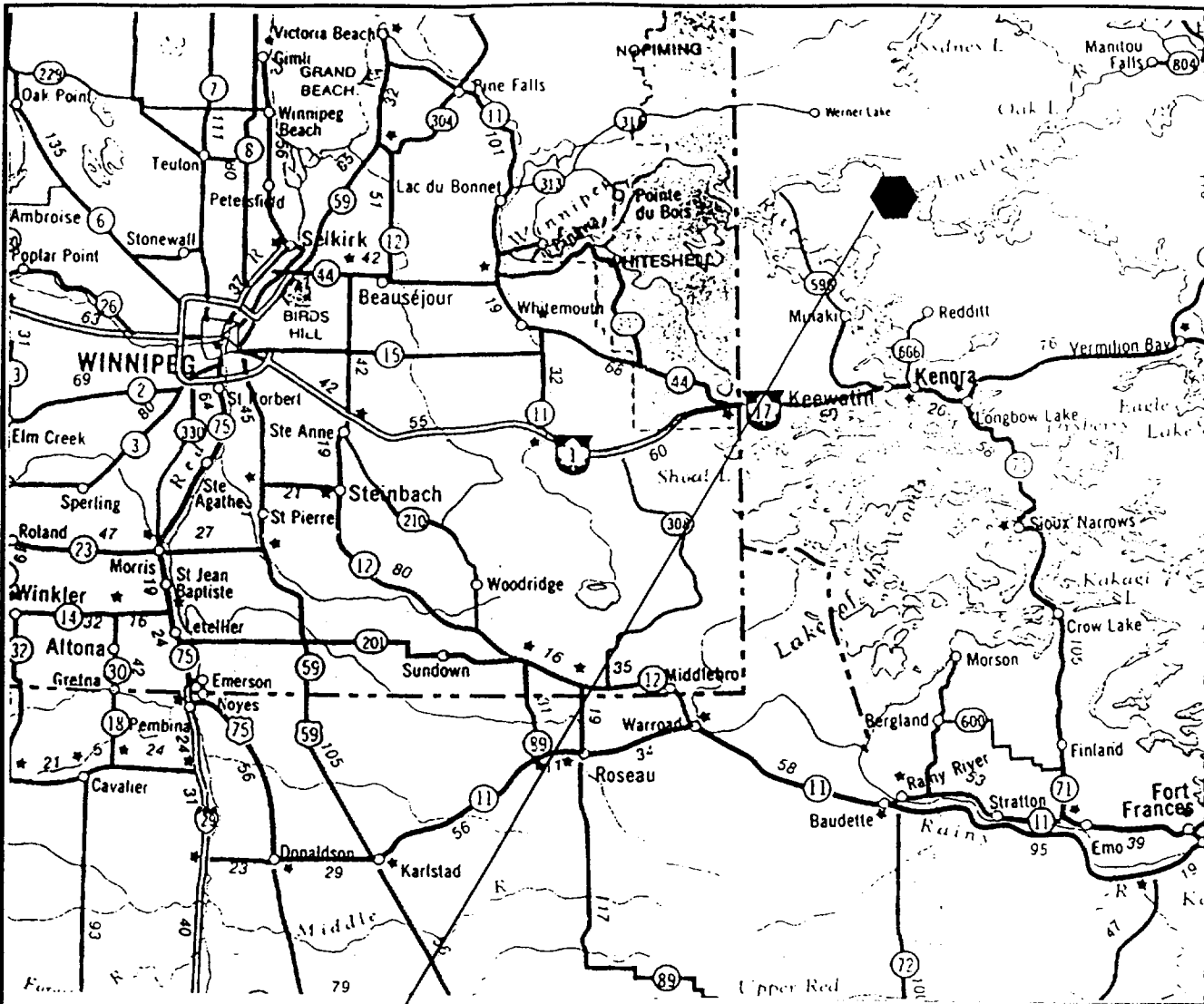
Introduction

Between September 2 and October 4, 1997, a drill program concentrating on rare-metal pegmatites, was carried out by Tantalum Mining Corporation of Canada Limited (Tanco) in the Separation Lake region of Northwestern Ontario. Drilling consisted of ten holes (SL-97-01 to SL-97-10) totaling 2803 feet (854.35 metres), on claims K 1178867, K 1178296, K 1178295, K 1178787 and K 1162991. The drilling was performed by Kenora Soil and Drilling of Kenora, Ontario. Drill supervision and core-logging was performed by the author. A summary of the expenditures is provided in Appendix D.

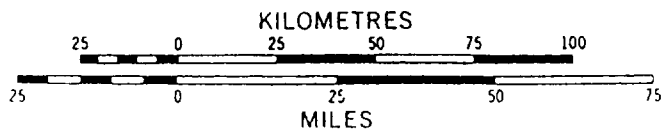
Claim Group

The Separation Lake property is under an agreement between Gossan Resources Limited (Gossan Resources) of Winnipeg, Manitoba and Tanco. At present, the property consists of 30 claims totaling 137 claim units (Table 1).

TABLE 1: CLAIM LIST							
CLAIM NUMBER	CLAIM SHEET			DATE	DATE	CLAIM HOLDER	CLAIM UNITS
	NUMBER	NAME	NTS NUMBER	STAKED	RECORDED		
K 1178866	G-2651	Treelined Lake	52-L-8SW	11-Jan-97	13-Jan-97	TANCO	2
K 1149772	G-2651	Treelined Lake	52-L-8SW	1-Sep-96	11-Sep-96	TANCO	1
K 1178867	G-2651	Treelined Lake	52-L-8SW	11-Jan-97	13-Jan-97	TANCO	2
K 1178575	G-2651	Treelined Lake	52-L-8SW	11-Jan-96	17-Jan-96	GOSSAN	2
K 1178574	G-2651	Treelined Lake	52-L-8SW	11-Jan-96	17-Jan-96	GOSSAN	4
K 1178787	G-2651	Treelined Lake	52-L-8SW	28-May-96	7-Jun-96	GOSSAN	3
K 1178730	G-2634	Paterson Lake	52-L-7SE	2-May-96	5-May-96	GOSSAN	3
K 1178295	G-2651	Treelined Lake	52-L-8SW	1-Jun-95	5-Jun-95	GOSSAN	1
K 1178296	G-2634	Paterson Lake	52-L-7SE	1-Jun-95	5-Jun-95	GOSSAN	16
K 1178690	G-2651	Treelined Lake	52-L-8SW	11-Apr-96	15-Apr-96	GOSSAN	1
K 1178598	G-2651	Treelined Lake	52-L-8SW	29-Mar-96	10-Apr-96	GOSSAN	2
K 1178689	G-2651	Treelined Lake	52-L-8SW	29-Mar-96	10-Apr-96	GOSSAN	8
K 1178678	G-2634	Paterson Lake	52-L-7SE	29-Mar-96	10-Apr-96	GOSSAN	13
K 1162991	G-2634	Paterson Lake	52-L-7SE	12-Dec-95	14-Dec-95	GOSSAN	8
K 1178297	G-2634	Paterson Lake	52-L-7SE	2-Jun-95	5-Jun-95	GOSSAN	6
K 1162990	G-2634	Paterson Lake	52-L-7SE	13-Dec-95	14-Dec-95	GOSSAN	4
K 1149773	G-2634	Paterson Lake	52-L-7SE	1-Sep-96	11-Sep-96	TANCO	2
K 1149776	G-2634	Paterson Lake	52-L-7SE	1-Sep-96	11-Sep-96	TANCO	3
K 1149775	G-2634	Paterson Lake	52-L-7SE	1-Sep-96	11-Sep-96	TANCO	1
K 1162989	G-2634	Paterson Lake	52-L-7SE	13-Dec-95	14-Dec-95	GOSSAN	6
K 1178437	G-2634	Paterson Lake	52-L-7SE	22-Sep-95	29-Sep-95	GOSSAN	12
K 1178867	G-2651	Treelined Lake	52-L-8SW	11-Jan-97	13-Jan-97	TANCO	2
K 1149774	G-2634	Paterson Lake	52-L-7SE	27-Jul-96	7-Aug-96	TANCO	6
K 1220538	G-2651	Treelined Lake	52-L-8SW	3-Jun-97	2-Jul-97	TANCO	3
K 1220539	G-2634	Paterson Lake	52-L-7SE	4-Jun-97	2-Jul-97	TANCO	3
K 1220540	G-2634	Paterson Lake	52-L-7SE	10-Jun-97	2-Jul-97	TANCO	3
K 1220541	G-2651	Treelined Lake	52-L-8SW	5-Jun-97	2-Jul-97	TANCO	4
K 1220542	G-2651	Treelined Lake	52-L-8SW	5-Jun-97	2-Jul-97	TANCO	3
K 1220583	G-2651	Treelined Lake	52-L-8SW	27-Sep-97	7-Oct-97	TANCO	1
K 1220505	G-2651	Treelined Lake	52-L-8SW	28-Sep-97	7-Oct-97	TANCO	10
K 1220506	G-2651	Treelined Lake	52-L-8SW	28-Sep-97	7-Oct-97	TANCO	2



SEPARATION LAKE
PROPERTY



TANTALUM MINING CORPORATION OF CANADA LIMITED			
SEPARATION LAKE LOCATION MAP			
Scale:		Date:	January 1997
Claim No.:		Township:	
Figure:	1	Drawn By:	CRG

The addresses and contact names for the holders of the claims are as follows:

Tantalum Mining Corporation of Canada Limited
P.O. 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 30 claims (Table 1) are mainly situated north of the English River and to the north and west of Separation Lake (Figure 2).

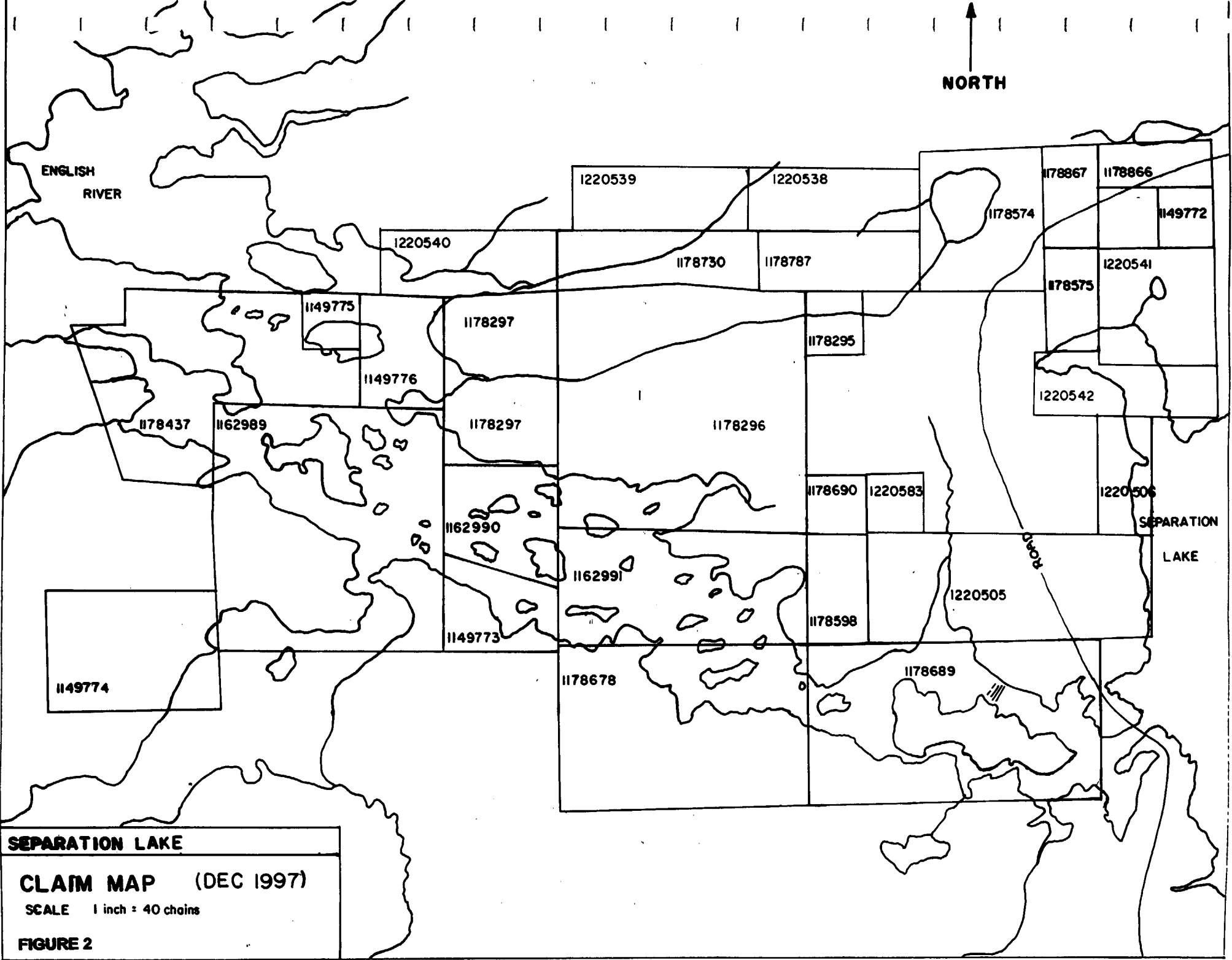
Access to the area is via the English River Road, an all-weather road. The English River Road turn-off is 24 kilometres north of the Trans-Canada Highway along Highway 566 to Reddit, Ontario. The property is dissected by a network of abandoned secondary clay and sand based logging and drill roads. As well, the southern portion of the property is accessible by boat via the English River.

Previous Work

The area has had an history of base and precious metals exploration with some work into its uranium potential. Recent work 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 areas first work appears to be around Minaki, where work was conducted on the Minaki Pyrite Prospect on Vermillion Lake. Sporadic work for base metals were 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. Trenching and feasibility studies of the property were conducted by W.S. Moore Company of Duluth in the period 1948-1955 and by Tombill Gold Mines and Glen Echo Mines Limited 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).



ENGLISH RIVER

SEPARATION LAKE

ROAD

SEPARATION LAKE
CLAIM MAP (DEC 1997)
SCALE 1 inch = 40 chains
FIGURE 2

During the 1960s and into the 1970s, several companies explored in the region for uranium with much of the work being carried out by airborne scintillometer surveys with follow up ground work. 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 Limited, Sherritt Gordon Mines Limited and Champion Bear Resources have conducted intensive 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. Most of the work has been carried out by Break, F. W. (Mineral Field Services Section, Ontario Geological Survey), with assistance Tindle, A.G. and Pan, Y. This above mentioned work has spawned great interest in the Separation Rapids pegmatite field. Several companies are presently in the process of exploration with regards to the rare-element potential of the area. These companies include Champion Bear Resources, A.Mowat/P. Thorgrimson, Avalon Ventures Limited, and the Tantalum Mining Corporation of Canada Limited.

Geological Setting

The Separation Lake property is comprised of a three by seven kilometre pegmatite field hosted by supracrustal rocks of the Separation Lake metavolcanic belt (Blackburn et al. 1992; Blackburn and Young, 1994). The supracrustal rocks are dominated by pillow basalt and mafic tuff. This belt (Figure 3) is part of the Superior Province, and 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 (Breaks 1991; Breaks and Bond 1993; Beakhouse 1991). It has been suggested that the Separation Lake metavolcanic belt may represent an extension of the Bird River metavolcanic-metasedimentary belt to the west. F.W. Breaks has described the Separation Rapids pegmatite field to be divisible into two clusters that appear to be spatially related to the Separation Rapids pluton. These clusters have been divided into the eastern subgroup and the southwestern subgroup (Figure 4). The eastern subgroup has further been divided into three distinct zones (Figure 4), based on mineralogy in surface exposures of pegmatites. These zones are the interior beryl-columbite, cassiterite-beryl-petalite, and columbite-cassiterite-beryl zones. Occurrences of petalite, cassiterite and tantalum bearing minerals have been reported.

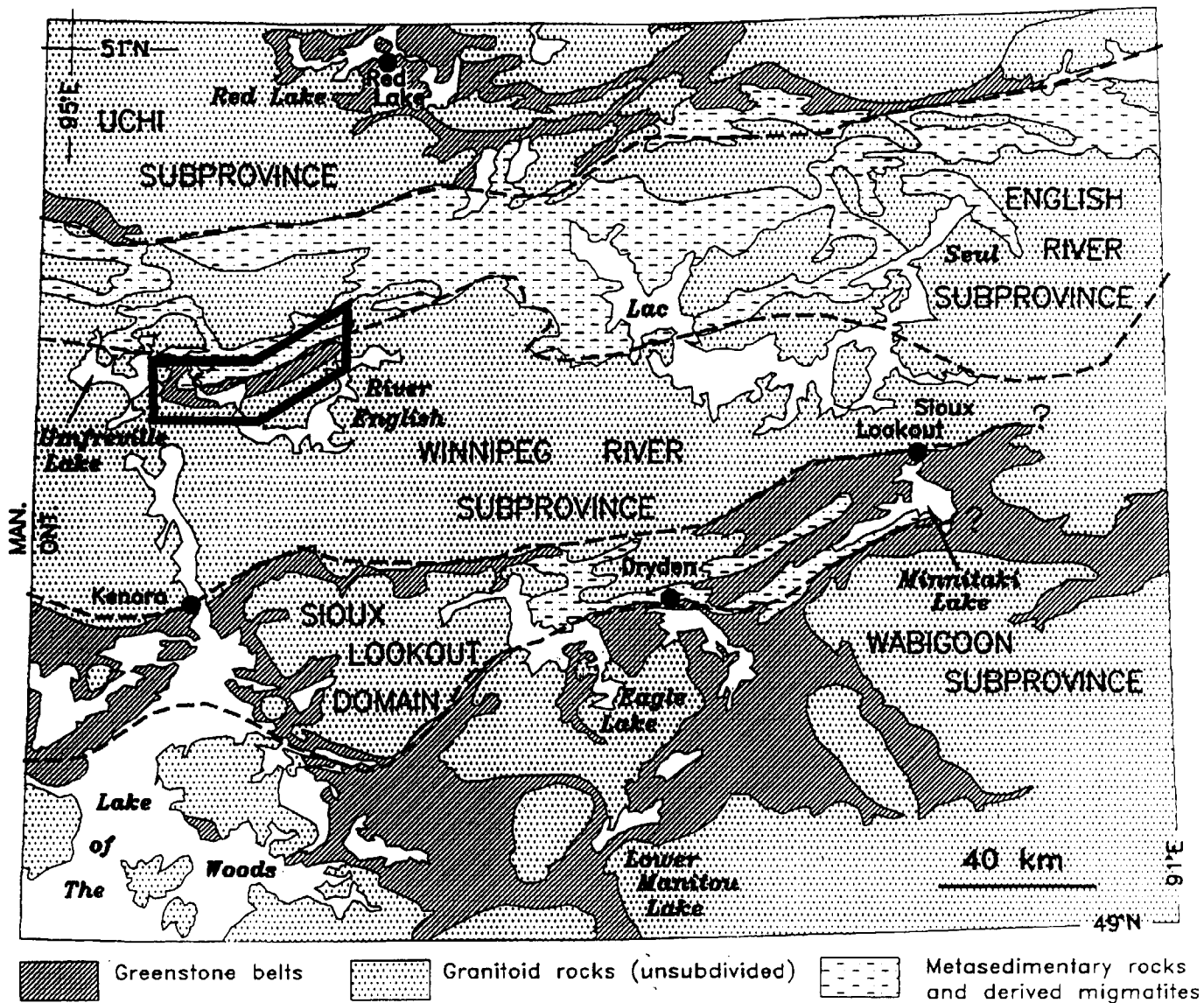
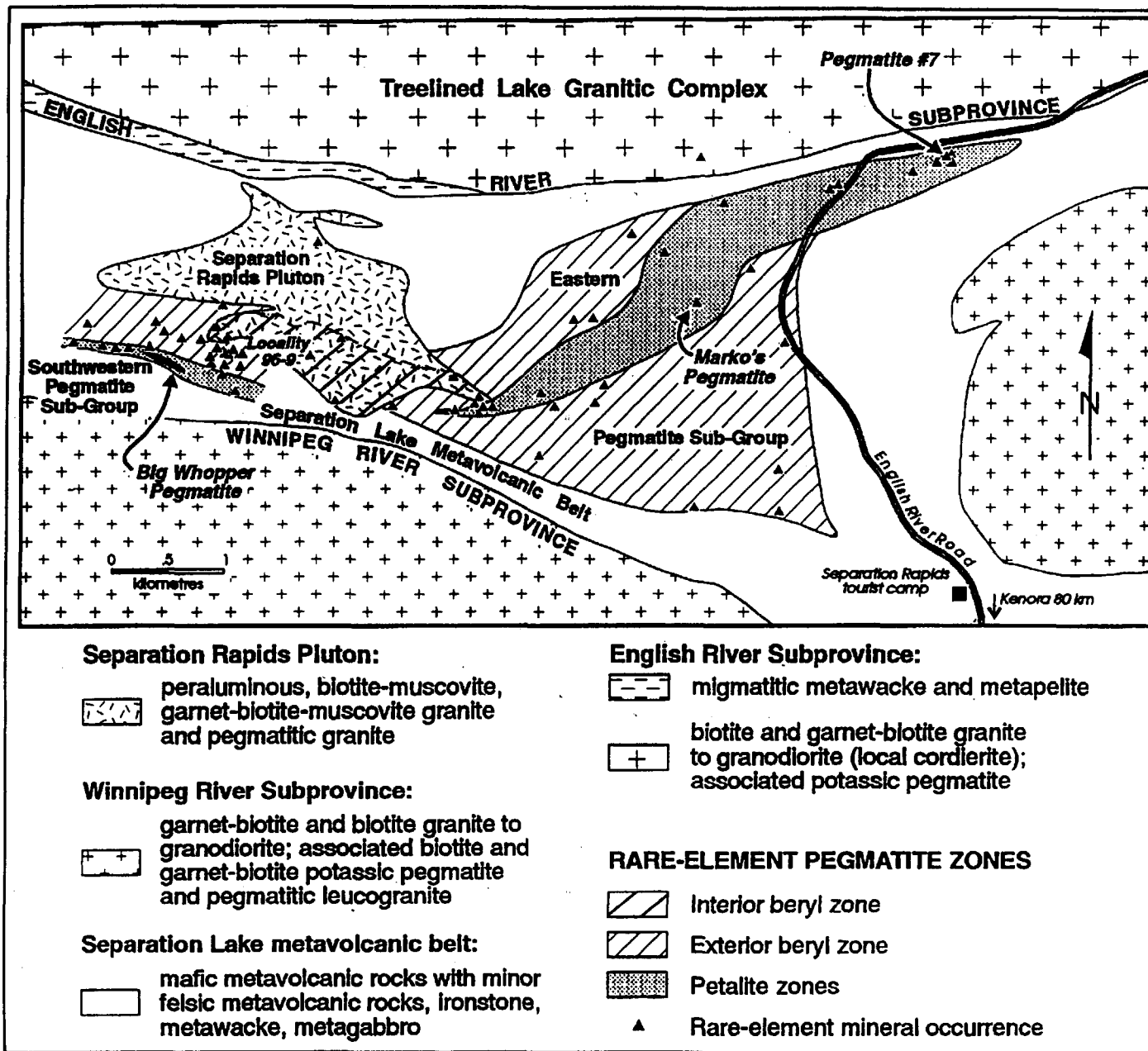


Figure 3: Geological Location of Separation Lake Area
(from Breaks, F.W. and Tindle, A.G., 1997)



General geology of the Separation Lake metavolcanic belt and adjacent parts of English River and Winnipeg River subprovinces (after Blackburn and Young 1994a, b) and distribution of rare-metal pegmatite subgroups in relation to Separation Rapids pluton (parent granite).

Figure 4: General Geology of Separation Rapids Pegmatite Field
(from Breaks, F.W. and Tindle, A.G., 1997)

Diamond Drill Program

A 2803 foot (854.35 metre) drill program was carried out by Tanco, in order to test several of the surface exposed pegmatites. The purpose of the program was to determine the geological character of the pegmatites at depth with respect to mineralization, mineralogy and structure. These targets were also related to lithogeochemical anomalies that were obtained from surface sampling of the host rocks. In total, six pegmatite sites were drilled (Figure 5) with ten diamond drill holes. All core is currently stored on the Tanco Minesite at Bernic Lake, Manitoba. Analytical work was carried out by Tanco at their minesite lab. The diamond drill logs and sections are presented in Appendix C. A summary of the assays and drill holes, can be found in Appendix B.

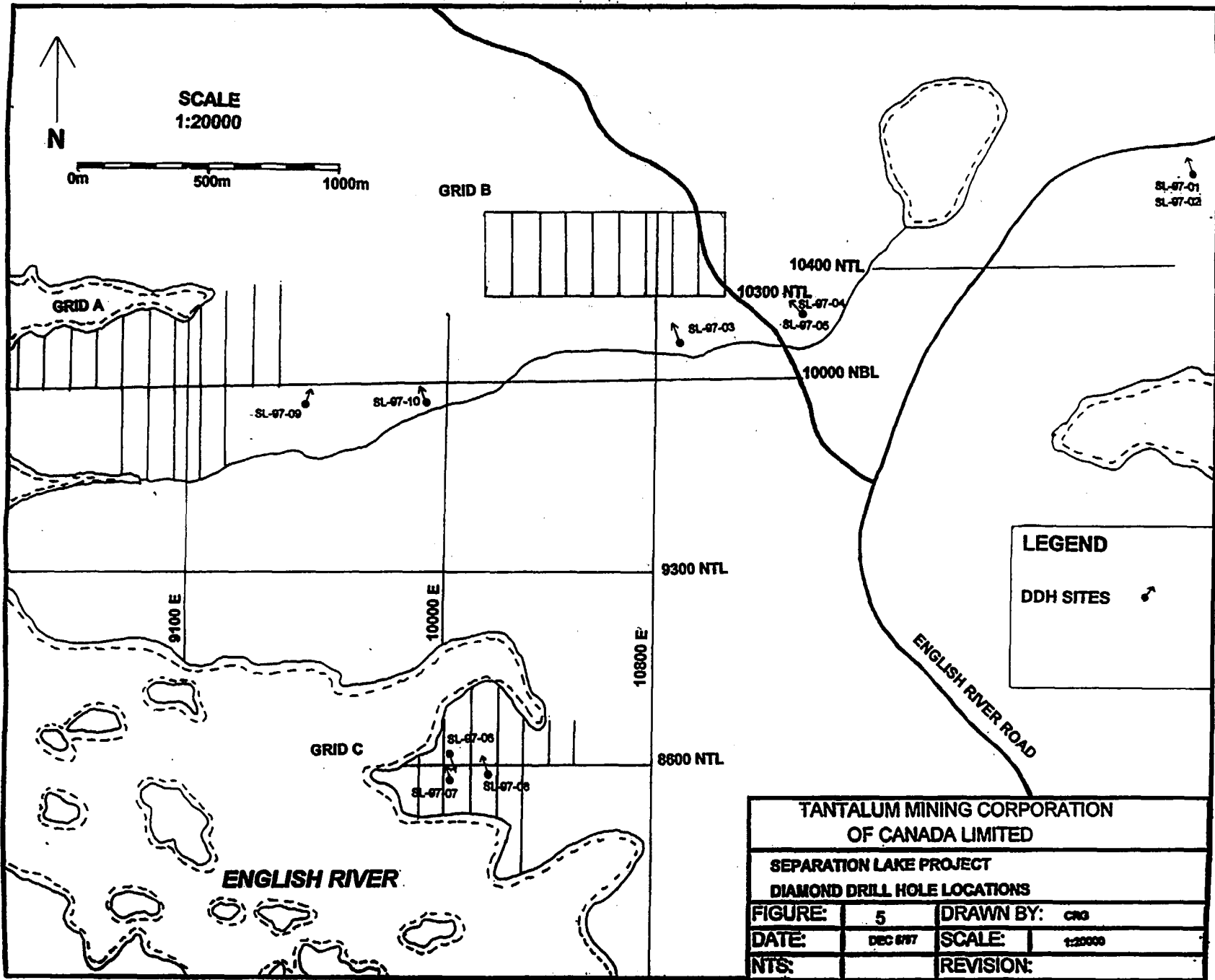
Where possible, grid lines cut for lithogeochemical survey work, were used as reference to spot the drill holes. The 1997 grid consisted of a three small cut grids over areas anomalous in lithium, cesium and rubidium (Figure 5). A GPS unit was used to further enhance the location of the diamond drill holes.

Conclusion

Structural emplacement of the pegmatites was found to be erratic. The pegmatites, in most circumstances, appear to have minimal potential for widening at depth. It would appear that the pegmatites probably experience pinch and swell effects at depth and at surface.

The mineralization was not encouraging with respect to the tantalum values. The best and most consistent values were obtained from the Turtleback Pegmatite (SL-97-06 to SL-97-08) located on Grid C (Figure 5). The highest tantalum value 0.017% Ta_2O_5 , was obtained from a five foot interval in a pegmatite stringer in SL-97-06. This pegmatite was encouraging with respect to its width and the potential for better mineralization within this area. The Ta_2O_5 values were low, but they indicate that tantalum is wide spread within the system and the potential remains open that values may increase with depth or along strike.

An occasional sample was also tested for lithium and cesium (Appendix B) The cesium values appear to offer little hope, at this time, of a potential for significant mineralization; since the highest value obtained to date was 0.01% Cs_2O . Lithium analysis were more favorable with a high value of 1.82% Li_2O achieved in a 2.8 foot interval in drill hole SL-97-03. Diamond drill hole SL-97-03 was drilled into Draven's Pegmatite, a pegmatite that was previously drilled by Tanco (Galeschuk, 1997). It was hoped that this pegmatite would widen with depth and increase in tantalum mineralization. The tantalum values nearly doubled from previous analysis, from 0.003-0.004 % Ta_2O_5 to 0.009-0.011% Ta_2O_5 . However, the pegmatite did not widen at depth. Petalite has been visibly noted in numerous other diamond drill holes, however at the present time, Tanco has little interest in the lithium potential of the area and consequently will afford minimal effort in this regard.



LEGEND	
DDH SITES	

TANTALUM MINING CORPORATION OF CANADA LIMITED			
SEPARATION LAKE PROJECT			
DIAMOND DRILL HOLE LOCATIONS			
FIGURE:	5	DRAWN BY:	CRG
DATE:	DEC 8797	SCALE:	1:20000
NTS:		REVISION:	

Recommendations

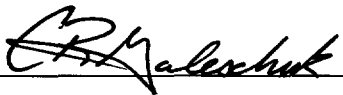
It is recommended that work be concentrated on the potential for buried pegmatite bodies. Surface exposures and drilling has confirmed the existence of a potential for rare-element mineralization within the Separation Rapids Pegmatite field.

Once the geochemical and mapping report is fully completed, a better understanding should develop with respect to the character and mineralization aspects of the pegmatites. It is suggested that a another program of drilling (approximately 4000 feet) be carried out, with concentration being given to the Turtleback Pegmatite area (grid C, Figure 5) and the potential for buried pegmatites on Grid A and B.

The approximate costs of the proposed drilling would be as follows

4000 feet BQ drill core @ \$23.00 per foot	\$92,000
Accommodation @ \$475.00 per week for 4 weeks	\$ 1,900
Food	\$ 350
Ground Transportation	\$ 1,500
Boat Rental	\$ 1,000
Field Supplies and Communication	\$ 800
Drill Supervision @ \$250.00 per day	\$ 7,500
Reporting and Drafting @ \$250.00 per day	\$ 3,750
Total	\$108800
+ 10%	\$ 10880
Grand Total	\$119680

Respectively submitted,



Carey R. Galeschuk, B.Sc.
February 17th, 1998

APPENDIX A

REFERENCES

REFERENCES

- Blackburn, C.E., Beakhouse, G.P., and Young, J.B., 1992. Geology of the Umfreville-Separation Lake area; in Summary of Field Work and Other Activities 1992, Ontario Geological Survey, Miscellaneous Paper 160, p. 20-25.
- Blackburn, C.E. and Young, J.B., 1992. Geology of the Separation Lake Greenstone Belt; in Summary of Field Work and Other Activities 1992, Ontario Geological Survey, Miscellaneous Paper 160, p. 68-73.
- Blackburn, C.E., Young, J.B., Searcy, T.O. and Donohue, K. 1994. Precambrian Geology of the Separation Lake greenstone belt, west part; Ontario Geological Survey. Open File Map 241, scale 1:20 000.
- Breaks, F.W., Bond, W.D., McWilliams, G.H., and Gower, G. 1975. Umfreville - Separation lakes sheet, Operation Kenora-Sydney Lake: Ontario Division of Mines, Preliminary map 1028 and marginal notes.
- Breaks, F.W., 1993. Granite-Related Mineralization in Northwestern Ontario: I. Raleigh Lake and Separation Rapids (English River) Rare-Element Pegmatite Fields; in Summary of Field Work and Other Activities 1993, Ontario Geological Survey, Miscellaneous Paper 161, p. 104-110.
- Breaks, F.W., and Tindle, A.G., 1994 Granite-Related Mineralization in Northwestern Ontario: II. Detailed Examination of the Separation Rapids (English River) Rare-Element Pegmatite Group; in Summary of Field Work and Other Activities 1994, Ontario Geological Survey, Miscellaneous Paper 162, p. 109-112.
- Breaks, F.W., and Tindle, A.G. 1997. Rare-metal exploration of the Separation Lake area: an emerging target for Bikita-type mineralization in the Superior Province of Ontario; Ontario Geological Survey, Open File Report 5966, 27p
- Galeschuk, C.R., 1996. Report on Diamond Drilling Activity Separation Lake, Ontario (52 L/8 SW) Fall 1996, Tantalum Mining Corporation of Canada Limited, Ontario Assessment Files

APPENDIX B

DRILL HOLE AND ASSAY SUMMARY

**SEPARATION LAKE PROPERTY
1997 DIAMOND DRILL SUMMARY**

HOLE	DEPTH	AZIMUTH	DIP
SL-97-01	182	338°	-45°
SL-97-02	207	320°	-52°
SL-97-03	357	340°	-50°
SL-97-04	157	315°	-50°
SL-97-05	207	315°	-75°
SL-97-06	427	160°	-45°
SL-97-07	307	340°	-45°
SL-97-08	397	350°	-45°
SL-97-09	205	030°	-50°
SL-97-10	357	340°	-50°

SEPARATION LAKE PROPERTY
 1997 DDH SUMMARY AND ASSAYS
 CAREY GALESCHUK - DECEMBER 1997

HOLE	SAMPLE	FROM	TO	LENGTH	Ta2O5	SnO2
SL-97-01	N/A	N/A	N/A	N/A	N/A	N/A
SL-97-02	N/A	N/A	N/A	N/A	N/A	N/A
SL-97-03	2942	257.7	261.8	4.1	0.010	0.046
SL-97-03	2943	262.7	265.5	2.8	0.009	0.033
SL-97-03	2944	266.4	269.2	2.8	0.011	0.082
SL-97-03	2945	269.2	274.6	5.4	0.011	0.051
SL-97-04	2946	49.1	52.0	2.9	<0.001	<0.001
SL-97-04	2947	52.0	57.0	5.0	<0.001	<0.001
SL-97-04	2948	57.0	62.0	5.0	<0.001	<0.001
SL-97-04	2949	62.0	66.0	4.0	<0.001	<0.001
SL-97-04	2950	66.0	69.5	3.5	<0.001	<0.001
SL-97-04	2951	73.8	75.8	2.0	<0.001	<0.001
SL-97-04	2952	99.1	102.2	3.1	<0.001	<0.001
SL-97-05	N/A	N/A	N/A	N/A	N/A	N/A
SL-97-06	2953	119.0	122.6	3.6	<0.002	<0.001
SL-97-06	2954	137.0	142.0	5.0	0.017	0.037
SL-97-06	2955	142.0	146.8	4.8	0.009	0.090
SL-97-06	2956	212.6	214.9	2.3	0.007	0.013
SL-97-06	2957	277.4	281.0	3.6	0.002	0.010
SL-97-06	2958	314.5	316.5	2.0	0.005	0.017
SL-97-06	2959	341.0	346.0	5.0	0.005	0.010
SL-97-06	2960	346.0	351.0	5.0	<0.001	0.003
SL-97-06	2961	351.0	356.0	5.0	<0.001	0.015
SL-97-06	2962	356.0	361.0	5.0	<0.002	0.013
SL-97-06	2963	361.0	366.0	5.0	0.003	0.014
SL-97-06	2964	366.0	371.0	5.0	<0.002	0.014
SL-97-06	2965	371.0	376.0	5.0	0.004	0.014
SL-97-06	2966	376.0	381.1	5.1	0.007	0.010
SL-97-06	2967	396.4	401.0	4.6	0.008	0.010
SL-97-06	2968	401.0	404.6	3.6	0.004	0.008
SL-97-07	2969	82.6	87.8	5.2	<0.001	0.015
SL-97-07	2970	87.8	93.0	5.2	<0.001	0.012
SL-97-07	2971	93.0	97.9	4.9	<0.001	0.013
SL-97-07	2972	97.9	103.5	5.6	0.004	0.013
SL-97-07	2973	103.5	108.0	4.5	<0.001	0.011
SL-97-07	2974	108.0	113.0	5.0	0.005	0.013
SL-97-07	2975	113.0	118.0	5.0	<0.002	0.014
SL-97-07	2976	118.0	122.0	4.0	<0.001	0.005
SL-97-07	2977	122.0	127.0	5.0	0.002	0.008
SL-97-07	2978	127.0	132.3	5.3	<0.002	0.006
SL-97-07	2979	132.3	137.0	4.7	<0.002	0.012
SL-97-07	2980	137.0	142.4	5.4	<0.001	0.008
SL-97-07	2981	142.4	147.9	5.5	<0.001	<0.002

HOLE	SAMPLE	FROM	TO	LENGTH	Ta2O5	SnO2
SL-97-08	2982	238.3	239.7	1.4	0.003	0.020
SL-97-08	2983	82.0	87.2	5.2	<0.001	<0.001
SL-97-08	2984	87.2	92.0	4.8	<0.001	<0.001
SL-97-08	2985	92.0	97.0	5.0	<0.001	<0.001
SL-97-08	2986	97.0	102.0	5.0	<0.002	0.012
SL-97-08	2987	102.0	107.0	5.0	<0.002	0.017
SL-97-08	2988	107.0	112.0	5.0	<0.002	0.009
SL-97-08	2989	112.0	117.0	5.0	0.002	0.007
SL-97-08	2990	117.0	123.1	6.1	<0.002	0.006
SL-97-08	2991	123.1	130.0	6.9	<0.002	0.017
SL-97-08	2992	130.0	135.0	5.0	<0.001	0.012
SL-97-08	2993	135.0	140.0	5.0	<0.001	0.007
SL-97-08	2994	140.0	145.0	5.0	<0.001	<0.002
SL-97-08	2995	145.0	150.0	5.0	<0.002	0.009
SL-97-08	2996	150.0	153.0	3.0	<0.002	0.005
SL-97-08	2997	153.0	157.4	4.4	0.003	0.017
SL-97-08	2998	157.4	162.4	5.0	0.003	0.014
SL-97-08	2999	202.2	207.0	4.8	<0.002	0.005
SL-97-08	3000	207.0	210.9	3.9	<0.002	0.009
SL-97-08	2002	210.9	214.0	3.1	0.007	0.008
SL-97-08	2003	214.0	217.7	3.7	0.009	0.014
SL-97-08	2004	240.8	246.7	5.9	0.008	0.020
SL-97-08	2005	246.7	252.0	5.3	0.008	0.019
SL-97-08	2006	252.0	256.4	4.4	0.007	0.015
SL-97-08	2007	262.9	267.5	4.6	0.007	0.013
SL-97-09	2008	143.9	148.9	5.0	0.014	0.042
SL-97-09	2009	172.6	174.9	2.3	0.014	0.092
SL-97-10	2010	81.9	85.2	3.3	0.004	0.006
SL-97-10	2011	85.2	90.0	4.8	<0.002	0.002
SL-97-10	2012	90.0	95.0	5.0	<0.002	<0.001
SL-97-10	2013	95.0	100.0	5.0	<0.001	<0.001
SL-97-10	2014	100.0	105.7	5.7	<0.002	0.003
SL-97-10	2015	105.7	109.0	3.3	0.003	0.007
SL-97-10	2016	109.0	112.0	3.0	0.002	0.008
SL-97-10	2017	112.0	117.0	5.0	<0.002	0.004
SL-97-10	2018	117.0	122.0	5.0	0.003	0.006
SL-97-10	2019	122.0	127.5	5.5	0.006	0.006
SL-97-10	2020	127.5	132.3	4.8	0.004	0.006
SL-97-10	2021	132.3	135.2	2.9	0.002	<0.002
SL-97-10	2022	135.2	140.0	4.8	0.005	0.007
SL-97-10	2023	140.0	143.9	3.9	0.004	0.008
SL-97-10	2024	143.9	147.0	3.1	<0.002	0.003
SL-97-10	2025	147.0	150.4	3.4	0.006	0.010

Random Analysis of Li and Cs

Li Analysis

HOLE	FROM	TO	SAMPLE	% Li ₂ O	% Na ₂ O	% K ₂ O	% P ₂ O ₅
SL-97-03	266.4	269.2	2944	1.82	3.09	2.16	0.25
SL-97-04	57.0	62.0	2948	0.02	3.19	6.21	0.25
SL-97-06	119.0	122.6	2953	0.07	3.60	0.44	0.09
SL-97-06	401.0	404.0	2968	0.02	4.94	0.99	<0.02
SL-97-07	113.0	118.0	2975	0.09	3.73	2.70	<0.02
SL-97-08	130.0	135.0	2992	0.11	3.34	3.60	<0.02
SL-97-08	246.7	252.0	2005	0.09	5.01	1.48	0.36
SL-97-10	105.7	109.0	2015	0.13	4.16	3.34	<0.02

Cs Analysis

HOLE	FROM	TO	SAMPLE	% Cs ₂ O
SL-97-06	396.4	401.0	2967	<0.001
SL-97-07	108.0	113.0	2974	<0.001
SL-97-08	153.0	157.4	2997	<0.001
SL-97-10	109.0	112.0	2016	0.01

December 9th, 1997

Carey Galeschuk

Tanco/Bernic Lake

APPENDIX C

DRILL LOGS AND SECTIONS

Drill Hole I.D.	Grid Coordinates		UTM Coordinates		Hole Direction		Hole Length(ft)	Casing Depth(ft)	Corrected Dip Test(°)	Core Size	Drilling Dates		Claim Number	Logged By:
	Line	Station	Easting	Northing	Inclination(°)	Azimuth(°)					Start	Finish		Drilled By:
SL-97-01	N/A	N/A	3948857.9	5570745.3	-45°	338°	182	4	182ft/-43°	BQ	9/4/97	9/7/97	K 1178867	Carey Galeschuk <i>C. Galeschuk</i>
Footage		Sample		Assays								Date Logged:	October 15th, 1997	Page 1 of 1
From	To	Number	From	To	Length	% Ta ₂ O ₅	% SnO ₂	Ta/Sn	% Li ₂ O	% Na ₂ O	% K ₂ O	% P ₂ O ₅	Rock Type	Geology
0.0	3.0												Casing	Clay and sand with occasional boulders
3.0	44.4												Mafic Tuff	Part of the deformation zone. Well foliated @ 62° to the core axis. Dark gray with light gray banding with white sections. Bands are associated with carbonate and garnet alteration. Banding intensifies downhole. 27.0 - 32.5 highly broken core
44.4	127.0												Mafic Volcanic	Occasional banding, uniform texture, gray and fine grained. Moderate foliation @ 57 to 60° to core axis (60 ft). Moderate to strong foliation increases downhole with core axis at 70°. Trace to 0.5% pyrite and pyrrhotite situated in healed fractures which directly cross-cut foliation. Also related to a garnet association. Weak to moderate epidote with graphite. 73.2 - 73.6 highly broken core
127.0	127.2												Pegmatite	Pegmatite No. 10 Highly deformed pegmatite with broken contacts. Extremely rounded k-feldspar crystals in a deformed matrix of petalite and albite. Albite occur as white wispy bands.
127.2	182.0												Mafic Volcanic	Occasional banding, uniform texture, gray and fine grained. Trace to 0.5% pyrite and pyrrhotite situated in healed fractures which directly cross-cut foliation. Also related to a garnet association. Epidote and graphite increase downhole, as does the cross-cutting veinlets. The veinlets tend to be graphite rich with 0.5% disseminated pyrite and pyrrhotite.
182.0													End of Hole	eoh

Drill Hole I.D.	Grid Coordinates		UTM Coordinates		Hole Direction		Hole Length(ft)	Casing Depth(ft)	Corrected Dip Test(°)	Core Size	Drilling Dates		Claim Number	Logged By:	Carey Galeschuk <i>C. Galeschuk</i>
	Line	Station	Easting	Northing	Inclination(°)	Azimuth(°)					Start	Finish		Drilled By:	
SL-97-02	N/A	N/A	394861.4	5570757.9	-52°	320°	207	4	207ft/-51°	BQ	9/8/97	9/9/97	K 1178867	Core Storage:	Tanco Minesite, Bernic Lake, Manitoba (11 Boxes)
Footage		Sample				Assays							Date Logged:	September 14th, 1997	Page 1 of 1
From	To	Number	From	To	Length	% Ta ₂ O ₅	% SnO ₂	Ta/Sn	% Li ₂ O	% Na ₂ O	% K ₂ O	% P ₂ O ₅		Rock Type	Geology
0.0	1.0													Casing	Bedrock set-up
1.0	59.3													Mafic Tuff	Fine grained biotite rich unit with numerous load structures and small bands of epidote and garnets. Light gray to gray. Basaltic in composition. Well foliated @ 47° to the core axis.
59.3	60.3													Pegmatite	Pegmatite No. 10 Highly strained with weak brecciation. Strain @ 53° to core axis with oblique to perpendicular healed joint fractures @ 30° to the core axis. K-feldspar and albite rich with remnant muscovite. Broken upper contact with ground lower contact.
60.3	207.0													Mafic Tuff	Weakly foliated at 55 to 60° to the core axis. Mineralization increases downhole. 0.5 - 1% pyrite and pyrrhotite with concentrations up to 2%. Mineralization tends to be sheared controlled and hosted. 67.6 - 69.1 garnetiferous zone with 10 to 15% anhedral to subhedral, dull pink in color
207.0														End of Hole	86.1 - 87.6 blocky core eoh

PEGMATITE NO: 10
SURFACE EXPRESSION

UTM
394861.4 E
5570757.9 N

UTM
394857.9 E
5570745.3 N

OVERBURDEN

MAFIC TUFF

MAFIC TUFF

MAFIC VOLCANIC

SL-97-01
EOH = 182 FEET
(338°@-45°)

SL-97-02
EOH = 207 FEET
(320°@-52°)

NOTE: OBLIQUE SECTION

1 INCH = 40 FEET



TANTALUM MINING CORPORATION
OF CANADA LIMITED

SEPARATION LAKE
DRILL SECTION SL-97-01 AND SL-97-02
(LOOKING EAST)

Scale:	1:480	Date:	January 1998
Claim No.:	1178867	Township:	Treelined Lake G-2651
Figure:		Drawn By:	CRG

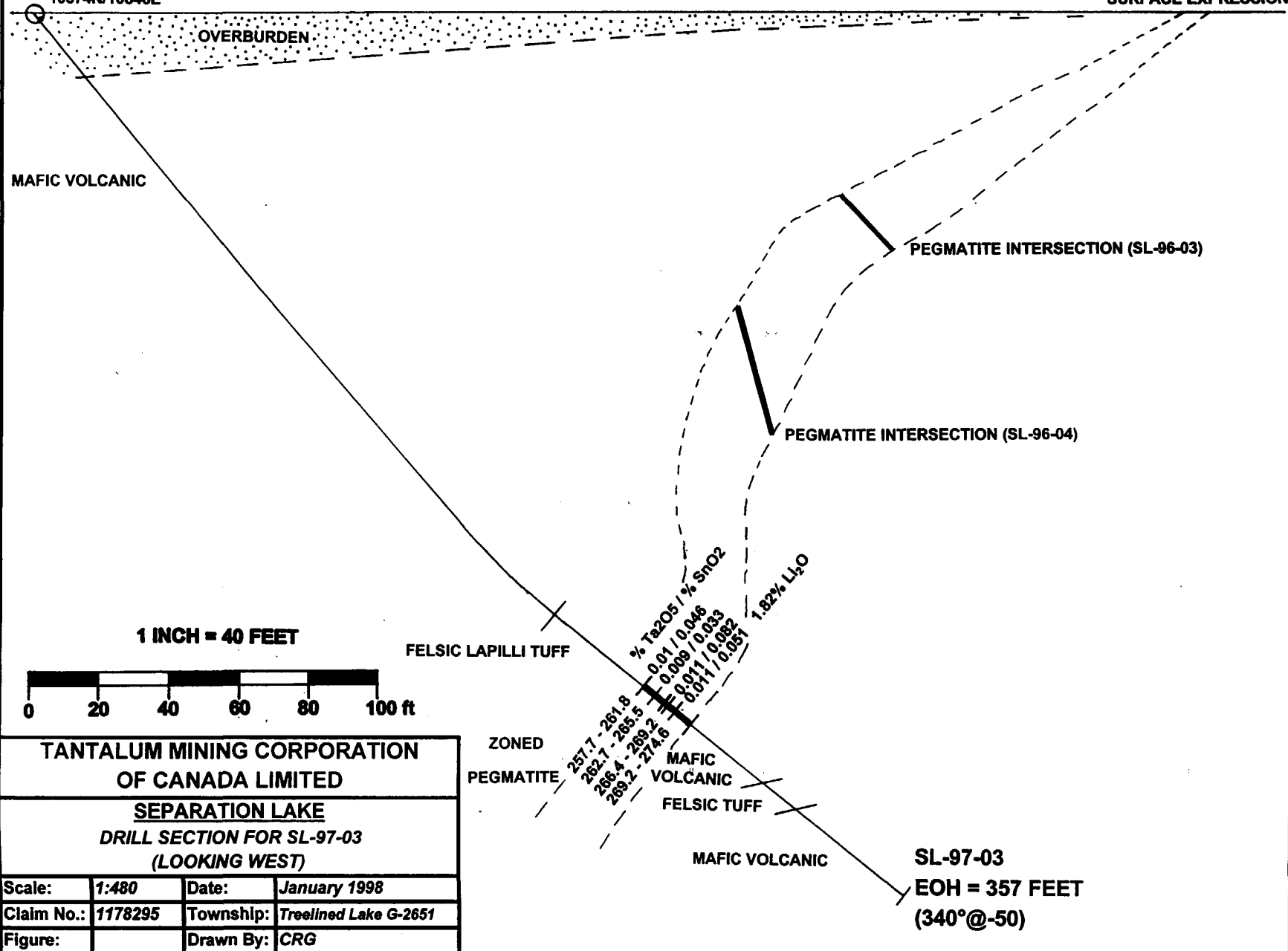
Drill Hole I.D.	Grid Coordinates		UTM Coordinates		Hole Direction		Hole Length(ft)	Casing Depth(ft)	Corrected Dip Test(°)	Core Size	Drilling Dates		Claim Number	Logged By:	
	Line	Station	Easting	Northing	Inclination(°)	Azimuth(°)					Start	Finish		Carey Galeschuk <i>CG</i>	
SL-97-03	10374N	10846E	NA	NA	-50°	340°	357	22	357ft/-38°	BQ	9/9/97	9/14/97	K 1178295	Carey Galeschuk <i>CG</i>	
Drilled By: Kenora Soil and Drilling Core Storage: Tanco Minesite, Bernic Lake, Manitoba (18 Boxes)															
Footage		Sample				Assays							Date Logged:	October 15th, 1997	Page 1 of 2
From	To	Number	From	To	Length	% Ta ₂ O ₅	% SnO ₂	Ta/Sn	% Li ₂ O	% Na ₂ O	% K ₂ O	% P ₂ O ₅		Rock Type	Geology
0.0	23.0													Casing	Clay and boulder rich overburden
23.0	47.0													Mineralized	
47.0	139.8													Mafic Volcanic	Fine grained, well banded mafic volcanic @ 80°. Localized garnets up to 70%. Numerous stingers py and po.
139.8	174.3													Mafic Volcanic	Fine grained, basaltic composition with tuffaceous sections. Occasional carbonate sections with associated quartz. Moderate foliation @ 63-65° to the core axis.
174.3	225														84.4-84.7 Quartz Vein, associated holmquistite, contacts are sharp at 70° to the core axis.
225.0	257.7														112.3-112.4 Aplite Dyke, cream to green in color. 5% black tourmaline. Sharp contacts @ 70° to core axis.
257.7	274.6														134.8-135.55 Simple Pegmatite, K-feldspar, black oxides, quartz. Sharp contacts @ 80° to core axis.
		2942	257.7	261.8	4.1	0.010	0.046	0.217						Garnet Zone	Garnet alteration zone with 10-15% sporadically distributed dull pink anhedral to euhedral garnets up to 10mm. Epidote augens, rotated. Rare holmquistite. Moderate to strong foliations @ 80-85° to core axis. Foliation planes weakly crenulated with evidence of rotation. Foliation appears over-printed over a foliation orientated @ 65-68° to core axis. Garnet accumulation tapers off down hole.
														Mafic Volcanic	Same as previous unit with several tuffaceous sections. Moderate to strong foliation @ 70-80°. Foliations flatten down hole. Tuffaceous sections tend to be felsic to intermediate in composition. Gradational lower unit.
														Felsic Lap. Tuff	Felsic lapilli tuff with numerous feldspar lapilli. Moderate foliation at 80° to the core axis. Light gray in color.
															236.5-237.85 Pegmatite, albite, petalite, gray to white. Sharp upper contact @ 80° to the core axis Irregular lower contact @ 90° to the core axis.
															253.6-254.3 Albite Pegmatite, dense, green, broken upper contact. Irregular contact at 60° to the axis.
															254.3-255.9 Garnet Zone, 10% garnet alteration, anhedral
															255.9-257.7 Sulfide Zone, semi to massive sulfide with 80% po, 15% py and cpy.
														Pegmatite	Draven's Pegmatite Pegmatite unit, gray to white in color. Weakly to moderate deformation orientated @ 55° to the core axis. Sharp upper contact with the sulfides @ 90° to the core axis. Broken lower contact.
															257.7-261.8 Albite Zone , greenish gray to white in color,

Tantalum Mining Corporation of Canada Limited Diamond Drill Log

Drill Hole I.D.	Grid Coordinates		UTM Coordinates		Hole Direction		Hole Length(ft)	Casing Depth(ft)	Corrected Dip Test(°)	Core Size	Drilling Dates		Claim Number	Logged By:	
	Line	Station	Easting	Northing	Inclination(°)	Azimuth(°)					Start	Finish		Carey Galeschuk <i>C.G. Galeschuk</i>	
SL-97-03	10374N	10846E	NA	NA	-50°	340°	357	22	357ft/-38°	BQ	9/9/97	9/14/97	K 1178295	Drilled By: Kenora Soil and Drilling	
Footage		Sample				Assays								Date Logged: October 15th, 1997	Page 2 of 2
From	To	Number	From	To	Length	% Ta ₂ O ₅	% SnO ₂	Ta/Sn	% Li ₂ O	% Na ₂ O	% K ₂ O	% P ₂ O ₅	Rock Type	Geology	
continued															
		2943	262.7	265.5	2.8	0.009	0.033	0.273						strong deformation. Occasional rolled petalite crystals. Zone appears micro-brecciated. Porphroblasts of petalite, garnet and oxides. Possible phosphates. K-feldspar rich at end of the unit. 261.8-262.7 Mafic Volcanic Raft , broken upper unit, lower contact @ 77° to the core axis. 262.7-265.5 Albite Zone , whiter than previous zone, white k-feldspar crystals, rare garnets, trace oxides. Sharp lower contact @ 70° to the core axis. 266.4-274.6 Mafic Volcanic Raft , sharp lower contact @ 80° to the core axis. 266.4-274.6 K-feldspar-Albite Zone , moderately to highly deformed, white to pink k-feldspar, occasional buff pink garnet, green mica, albite. Possible greisen zone. The potassic content increases downhole. No visible oxides, rare tourmaline. Broken lower contact. 268.1-269.2 mafic volcanic raft	
274.6	300.4								1.82	3.09	2.16	0.25	Mafic Volcanic	Fine grained, dense, green to gray, of basaltic composition. Moderate foliation @ 75-80° to the core axis. Carbonate rich with garnet rich bands. Sharp lower contact @ 50° to the core axis.	
300.4	301.3												Pegmatite	Moderate to highly deformed or sheared @ 50-55° to the core axis. Contains quartz, albite, 1% mica, with blebs of k-feldspar.	
301.3	313.5												Felsic Tuff	Fine to medium grained unit with a pseudo-gneissic texture. Moderate foliation @ 65° to the core axis. Trace to 0.5% disseminated po and py with semi-massive stringers. The lower contact is gradational.	
313.5	357.0												Mafic Volcanic	Fine grained, dense, green to gray, of basaltic composition. Moderate foliation @ 75-80° to the core axis. Carbonate rich with garnet rich bands. Sharp lower contact @ 50° to the core axis.	
357.0													End of Hole	eoh	

GRID CO-ORDINATE
10374N/10846E

DRAVEN'S PEGMATITE
SURFACE EXPRESSION



1 INCH = 40 FEET



TANTALUM MINING CORPORATION OF CANADA LIMITED			
SEPARATION LAKE			
DRILL SECTION FOR SL-97-03 (LOOKING WEST)			
Scale:	1:480	Date:	January 1998
Claim No.:	1178295	Township:	Treelined Lake G-2651
Figure:		Drawn By:	CRG

ZONED
PEGMATITE

257.7 - 261.8
262.7 - 265.5
266.4 - 269.2
269.2 - 274.6

% Ta₂O₅ / % SnO₂
0.01 / 0.046
0.009 / 0.033
0.011 / 0.082
0.011 / 0.051
1.82% Li₂O

MAFIC
VOLCANIC

FELSIC
TUFF

MAFIC VOLCANIC

PEGMATITE INTERSECTION (SL-96-03)

PEGMATITE INTERSECTION (SL-96-04)

SL-97-03
EOH = 357 FEET
(340°@-50)

Tantalum Mining Corporation of Canada Limited Diamond Drill Log

Drill Hole I.D.	Grid Coordinates		UTM Coordinates		Hole Direction		Hole Length(ft)	Casing Depth(ft)	Corrected Dip Test(°)	Core Size	Drilling Dates		Claim Number	Logged By:	
	Line	Station	Easting	Northing	Inclination(°)	Azimuth(°)					Start	Finish		Carey Galeschuk <i>Carey Galeschuk</i>	
SL-97-04	NA	NA	393537.74	5570588.94	-50°	315°	157	12	157ft/-44.5°	BQ	9/15/97	9/16/97	K 1178787	Drilled By: Kenora Soil and Drilling	
Footage		Sample				Assays								Date Logged: September 30th, 1997	Page 1 of 1
From	To	Number	From	To	Length	% Ta ₂ O ₅	% SnO ₂	Ta/Sn	% Li ₂ O	% Na ₂ O	% K ₂ O	% P ₂ O ₅		Rock Type	Geology
0.0	13.0													Casing	Sand, clay with granitic boulders
13.0	49.1													Qtz-fsp-biotite Gneiss	Possibly of a felsic tuff origin. Rhyolitic to dacitic in visual composition. Strong felsic content. Strong foliation/gneissic fabric @ 62-65° to the core axis. Occasional py and po stringers which are orientated slightly oblique to foliation. Fine to medium grained, light to dark gray with biotite bands. Sharp lower contact @ 55° to the core axis.
49.1	69.5	2946	49.1	52.0	2.9	<0.001	<0.001							Pegmatite	Black Bear Pegmatite Predominant gray K-feldspar (petalite?) with defined pockets of black biotite and interstitial mica. Slight micro-garnet accumulation at the contacts.
		2947	52.0	57.0	5.0	<0.001	<0.001								52.0-62.0 Biotite-K-feldspar Zone , coarse grained clots of biotite and k-feldspar in a feldspar quartz matrix. Rare to occasional pink garnets up to 1mm. Possible rare oxides.
		2948	57.0	62.0	5.0	<0.001	<0.001		0.02	3.19	6.21	0.25			62.0-69.5 K-feldspar Zone , gray k-feldspar with books of of black biotite. Occasional pinhead garnet. Broken lower contact.
		2949	62.0	66.0	4.0	<0.001	<0.001								
		2950	66.0	69.5	3.5	<0.001	<0.001								
		2951	73.8	75.8	2.0	<0.001	<0.001								
		2952	99.1	102.2	3.1	<0.001	<0.001								
69.5	73.8													Qtz-fsp-biotite Gneiss	Possibly of a felsic tuff origin. Rhyolitic to dacitic in visual composition. Strong felsic content. Strong foliation/gneissic fabric @ 58° to the core axis. Fine to medium grained, light to dark gray with biotite bands. Sharp lower contact @ 15° to the core axis.
73.8	75.8													Pegmatite	Gray k-feldspar and black biotite with occasional buff pink garnets. Sharp lower contact @ 70° to the core axis.
75.8	99.1													Qtz-fsp-biotite Gneiss	Dense, uniform, possible rhyolitic tuff. Gray in color with a lesser gneissic appearance than previous units. Moderate to strong foliation @ 50° to the core axis.
99.1	102.2													Pegmatite	Composition of k-feldspar, quartz, mica, tourmaline and albite. Generally gray in color with white crystals of feldspar. Stringers of yellow stained or oxidized mica or alteration product that occupies shear or strain positions. Foliation at 45° to the core axis. Possible uranium alteration. 2-3% clots of black tourmaline with associated silver to white mica. Sharp upper contact @ 50° and lower contact @ 60° to the core axis.
102.2	157.0													Felsic Tuff	Dense, uniform, dark gray unit with stretched lenticular quartz and feldspar. Moderate foliation @ 60-65° to the core axis.
157.0														End of Hole	ech

Tantalum Mining Corporation of Canada Limited Diamond Drill Log

Drill Hole I.D.	Grid Coordinates		UTM Coordinates		Hole Direction		Hole Length(ft)	Casing Depth(ft)	Dip Test(°)	Core Size	Drilling Dates		Claim Number	Logged By:	
	Line	Station	Easting	Northing	Inclination(°)	Azimuth(°)					Start	Finish		Carey Galeschuk <i>CRG Galeschuk</i>	
SL-97-05	NA	NA	393537.74	5570588.94	-75°	315°	207	10	207ft/-73.5°	BQ	9/16/97	9/17/97	K 1178787	Carey Galeschuk	
Footage		Sample				Assays								Date Logged:	October 20th, 1997
From	To	Number	From	To	Length	% Ta ₂ O ₅	% SnO ₂	Ta/Sn	% Li ₂ O	% Na ₂ O	% K ₂ O	% P ₂ O ₅		Rock Type	Geology
0.0	11.0													Casing	clay and sand with occasional boulders
11.0	207.0													Felsic Gneiss	Quartz-feldspar-biotite gneiss of felsic composition. Light Gray in color. Moderate to strongly deformed. Strong foliation at 42-48° to the core axis.
207.0														End of Hole	48.5-49.2 Pegmatite Stringers, composition of quartz and albite. Highly irregular orientation. eoh

UTM CO-ORDINATES
393537.7 E/5570588.9 N

BLACK BEAR PEGMATITE
SURFACE EXPRESSION

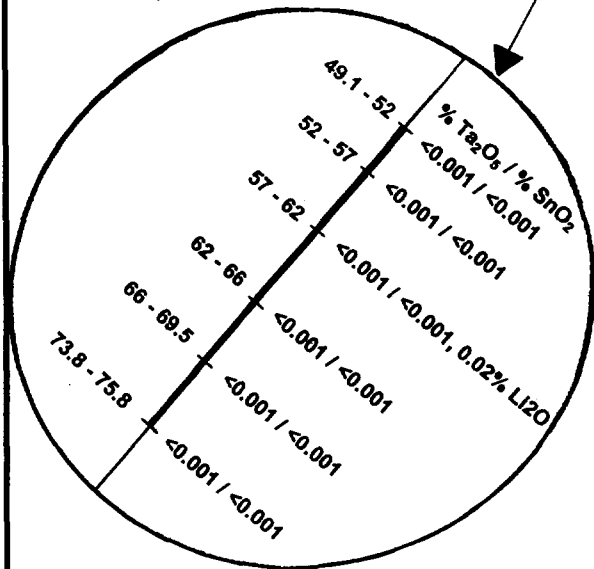
OVERBURDEN

ZONED PEGMATITES

FELSIC TUFF/GNEISS

FELSIC TUFF/GNEISS

SL-97-04
EOH = 187 FEET
(315°@-50°)



99.1 - 102.2
<0.001 / <0.001

1 INCH = 40 FEET



SL-97-05
EOH = 207 FEET
(315°@-75°)

TANTALUM MINING CORPORATION
OF CANADA LIMITED

SEPARATION LAKE
DRILL SECTION SL-97-04 AND SL-97-05
(LOOKING EAST)

Scale:	1:480	Date:	January 1998
Claim No.:	1178787	Township:	Treelined Lake G-2651
Figure:		Drawn By:	CRG

Tantalum Mining Corporation of Canada Limited Diamond Drill Log

Drill Hole I.D.	Grid Coordinates		UTM Coordinates		Hole Direction		Hole Length(ft)	Casing Depth(ft)	Corrected Dip Test(°)	Core Size	Drilling Dates		Claim Number	Logged By:	
	Line	Station	Easting	Northing	Inclination(°)	Azimuth(°)					Start	Finish		Carey Galeschuk <i>CR Galeschuk</i>	
SL-97-06	8664N	10033E	NA	NA	-45°	160°	427	7	427R/ -39.5°	BQ	9/19/97	9/22/97	K 1178296	Carey Galeschuk <i>CR Galeschuk</i>	
Footage		Sample				Assays							Date Logged:	October 20th, 1997	Page 1 of 3
From	To	Number	From	To	Length	% Ta ₂ O ₅	% SnO ₂	Ta/Sn	% Li ₂ O	% Na ₂ O	% K ₂ O	% P ₂ O ₅		Rock Type	Geology
0.0	7.0													Casing	Granitic boulders, clay and sand
7.0	119.0													Mafic Volcanic	Gray, fine grained, homogenous, dense unit of basaltic composition. Weak banding/foliation @ 40° to the core axis. Occasional quartz-carbonate bands possibly representing a fracture healing parallel to foliation. Red garnet up to 1 cm associated with the bands. Garnets are subhedral to euhedral.
119	122.6	2953	119.0	122.6	3.6	<0.002	<0.001		0.07	3.60	0.44	0.09		Pegmatite	51.5-51.7 Pegmatite Stringer, slightly irregular contacts at 85° to the core axis. Contains quartz and albite.
122.6	137													Mafic Volcanic	73.0-73.4 Pegmatite Stringer, irregular upper contact @ 85°, gradational lower contact @ 40° to the core axis. Contains quartz and albite.
137.0	146.8													Pegmatite	107.5-107.9 Pegmatite Stringer, broken upper contact with a irregular lower contact @ 40° to the core axis. Contains quartz and albite.
		2954	137.0	142.0	5.0	0.017	0.037	0.459						Mafic Volcanic	Quartz and albite with tourmaline and mica. Rare oxides. Quartz enriched upper and lower contacts. Occasional petalite present. Sharp lower contact @ 41° to the core axis. Slight deformation. Color generally white to gray.
		2955	142.0	146.8	4.8	0.009	0.090	0.100						Pegmatite	Same as previous unit but with less quartz veining. Sharp lower contact @ 46° to the core axis.
146.8	212.6													Mafic Volcanic	Composition of albite, quartz, petalite, biotite, garnet and tourmaline. Lower contact @ 85° to the core axis.
212.6	214.9	2956	212.6	214.9	2.3	0.007	0.013	0.5						Pegmatite	137.0-142.0 Albite Zone , albite rich zone with secondary biotite and muscovite. Garnet and mica association. 1-2% black to brown oxides with a pseudo-tetrahedral crystal shape. Unit generally gray to white. Gradational lower contact.
														Mafic Volcanic	142.0-146.8 Mix Zone , a composition of albite, mica, feldspar, quartz, and garnet. Mica tends to be clumpy and exhibits a garnet association. Presence of cleavendite and rare oxides.
														Pegmatite	Gray to green, fine grained unit with occasional quartz and carbonate veinlets @ 45° to the core axis. Associated garnet and pyrite. Weak foliation @ 45° to the core axis.
														Pegmatite	Composed of quartz and albite with mica bands @ 48° to the core axis. Fine grained disseminated tourmaline and trace oxides. Sharp upper contact @ 50° and lower contact @ 45° to the core axis

.....continued

Tantalum Mining Corporation of Canada Limited Diamond Drill Log

Drill Hole I.D.	Grid Coordinates		UTM Coordinates		Hole Direction		Hole Length(ft)	Casing Depth(ft)	Corrected Dip Test(°)	Core Size	Drilling Dates		Claim Number	Logged By:	
	Line	Station	Easting	Northing	Inclination(°)	Azimuth(°)					Start	Finish		Carey Galeschuk <i>C. Galeschuk</i>	
SL-97-06	8664N	10033E	NA	NA	-45°	160°	427	7	427ft/-39.5°	BQ	9/19/97	9/22/97	K 1178296	Drilled By: Kenora Soil and Drilling	
Footage		Sample				Assays							Date Logged: October 20th, 1997	Page 2 of 3	
From	To	Number	From	To	Length	% Ta ₂ O ₅	% SnO ₂	Ta/Sn	% Li ₂ O	% Na ₂ O	% K ₂ O	% P ₂ O ₅	Rock Type	Geology	
...continued 214.9	341.1														
		2957	277.4	281.0	3.6	0.002	0.010	0.2					Mafic Tuff	Possibly reworked mafic tuff unit. Weakly to moderately foliated @ 37-40° to the core axis. Numerous quartz/carb. veinlets parallel to foliation with disseminated subhedral to euhedral red garnets and amphibole crystals. Lower contact is irregular @ 42° to the core axis. 277.4-281.0 Pegmatite, generally white colored unit with quartz, albite, amphibole, garnet and trace oxides. Weak host rock infiltration. Irregular upper contact @ 30° and sharp lower contact @ 40° to the core axis. 308.8-309.8 Pegmatite, same as previous. Irregular upper contact @ 38° and sharp lower contact @ 40° to the core axis. 314.5-316.5 Pegmatite, same as previous. Irregular upper contact @ 30° and sharp lower contact @ 40° to the core axis. 328.2-329.2 Pegmatite, same as previous. Irregular upper contact @ 36° and sharp lower contact @ 41° to the core axis.	
341.1	383.2	2959	341.0	346.0	5.0	0.005	0.010	0.5					Pegmatite	TURTLEBACK PEGMATITE , k-feldspar rich with sections of mica and quartz. Occasional stringers of biotite, small pink apilitic segregation, trace oxides. Unit is generally pink in color with darker sections related to smoky quartz and mica. Rare pinhead red garnets. Upper two feet of the unit contains intense iron staining enveloping k-feldspar crystals. Sharp lower contact @ 30° to core axis. However, lower contact is brecciated and clay altered. Possible fault effects.	
		2960	346.0	351.0	5.0	<0.001	0.003								
		2961	351.0	356.0	5.0	<0.001	0.015								
		2962	356.0	361.0	5.0	<0.002	0.013								
		2963	361.0	366.0	5.0	0.003	0.014	0.2							
		2964	366.0	371.0	5.0	<0.002	0.014								
		2965	371.0	376.0	5.0	0.004	0.014	0.3							
		2966	376.0	381.1	5.1	0.007	0.010	0.7							
383.2	396.9												Reworked Mafic Tuff	Gray, fine grained, weakly carbonated, with crenulated band @ 0-10° and 60-65° to the core axis. Z-folds present, looking downhole. Gradational lower contact @ 41° to the core axis. Possible slickensides. Trace pyrite with possible silvery arsenopyrite.	
		2967	396.4	401.0	4.6	0.008	0.010	0.8							
		2968	401.0	404.6	3.6	0.004	0.008	0.5	0.02	4.94	0.99	<0.002	<0.001	Pegmatite	Compose of albite, quartz, tourmaline, mica, abd trace petalite, biotite and oxides. Occasional red pinhead garnet.continued

Tantalum Mining Corporation of Canada Limited Diamond Drill Log

Drill Hole I.D.	Grid Coordinates		UTM Coordinates		Hole Direction		Hole	Casing	Corrected	Core	Drilling Dates		Claim	Logged By:	Carey Galeschuk <i>C. Galeschuk</i>
	Line	Station	Easting	Northing	Inclination(°)	Azimuth(°)	Length(ft)	Depth(ft)	Dip Test(°)	Size	Start	Finish	Number	Drilled By:	
SL-97-06	8664N	10033E	NA	NA	-45°	160°	427	7	427ft/-39.5°	BQ	9/19/97	9/22/97	K 1178296	Core Storage:	Tanco Minesite, Bernic Lake, Manitoba (22 Boxes)
Footage		Sample				Assays							Date Logged:	October 20th, 1997	Page 3 of 3
From	To	Number	From	To	Length	% Ta ₂ O ₅	% SnO ₂	Ta/Sn	% Li ₂ O	% Na ₂ O	% K ₂ O	% P ₂ O ₅	Rock Type	Geology	
....continued															
404.6	427.0													Mafic Tuff	The unit is generally pink to buff color. Sharp lower contact @ 35° to the core axis.
427.0														End of Hole	Medium to dark gray unit. Moderate foliation @ 44-46° to the core axis. Granular texture, suggesting an increased amount of sedimentary contribution. eoh

Tantalum Mining Corporation of Canada Limited Diamond Drill Log

Drill Hole I.D.	Grid Coordinates		UTM Coordinates		Hole Direction		Hole Length(ft)	Casing Depth(ft)	Corrected Dip Test(°)	Core Size	Drilling Dates		Claim Number	Logged By:	
	Line	Station	Easting	Northing	Inclination(°)	Azimuth(°)					Start	Finish		Carey Galeschuk <i>CR Galeschuk</i>	
SL-97-07	8597N	10033E	NA	NA	-45°	340°	307	2	307ft/-43°	BQ	9/23/97	9/25/97	K 1162991	Drilled By: Kenora Soil and Drilling	
Footage		Sample				Assays								Date Logged: October 23rd, 1997	Page 1 of 2
From	To	Number	From	To	Length	% Ta ₂ O ₅	% SnO ₂	Ta/Sn	% Li ₂ O	% Na ₂ O	% K ₂ O	% P ₂ O ₅	% Cs ₂ O	Rock Type	Geology
0.0	2.0													Casing	Clay and sand. Overburden.
2.0	82.6													Mafic Tuff	Gray, fine grained unit of basaltic composition. Numerous carbonate-quartz veinlets, increasing in intensity downhole. Veinlets parallel to foliation. Rare epidote. Weak to moderate foliation @ 48-52° to the core axis. Broken lower contact.
82.6	147.9	2969	82.6	87.8	5.2	<0.001	0.015							Pegmatite	TURTLEBACK PEGMATITE, 82.6-87.8 wall/border zone , reddish pink in color, perthitic k-feldspar, quartz, biotite and black tourmaline.
		2970	87.8	93.0	5.2	<0.001	0.012								87.8-97.9 K-feldspar zone , predominantly white to pink k-feldspar crystals, randomly orientated with intertial quartz, biotite, and muscovite.
		2971	93.0	97.9	4.9	<0.001	0.013								97.9-132.3 k-feldspar-albite zone , contains small white to pink fine grained sugary albite sections. Also contains quartz and muscovite. 1-2% red pinhead garnets. K-feldspar crystals have undefined edges as they appear digested at the rims by a sodic rich material (possible plag) and mica. This may represent a stage of greisan. Rare white beryl. Moderate foliation as defined by mica and garnet lineation @ 48° to the core axis. Gradational contacts.
		2972	97.9	103.5	5.6	0.004	0.013	0.3							
		2973	103.5	108.0	4.5	<0.001	0.011								
		2974	108.0	113.0	5.0	0.005	0.013	0.4							
		2975	113.0	118.0	5.0	<0.002	0.014		0.09	3.73	2.70	<0.02	<0.001		
		2976	118.0	122.0	4.0	<0.001	0.005								
		2977	122.0	127.0	5.0	0.002	0.008	0.3							
		2978	127.0	132.3	5.3	<0.002	0.006								
		2979	132.3	137.0	4.7	<0.002	0.012								
		2980	137.0	142.4	5.4	<0.001	0.008								132.3-142.4 K-feldspar-quartz zone , matrix enriched in quartz with respect to previous unit. Contains albite and white mica books.
		2981	142.4	147.9	5.5	<0.001	<0.002								142.4-147.9 wall zone , massive k-feldspar crystals with quartz and black tourmaline. Broken contact.
147.9	213.3													Reworked Mafic Tuff	Gray, fine grained unit of basaltic composition. Moderate foliation @ 45° to the core axis with localized highly foliated sections. Biotite rich. Weakly carbonated sections. Several small pegmatite stringers of simple feldspar and quartz compositions.
															197.4-199.0 Quartz-albite pegmatite, white in color, trace oxides. Sharp upper contact @ 46° and sharp lower contact @ 55° to the core axis.
213.3	307.0													Mafic Volcanic	Gray, fine grained unit of basaltic composition with small tuffaceous sections. Rare red garnets up to 1 centimetre. Weak to moderate foliation @ 35° to the core axis. Contain occasional quartz veinlets parallel to foliation with moderate carbonate enrichment. Garnet enrichment associated with

.....continued

Tantalum Mining Corporation of Canada Limited Diamond Drill Log

Drill Hole I.D.	Grid Coordinates		UTM Coordinates		Hole Direction		Hole Length(ft)	Casing Depth(ft)	Corrected Dip Test(°)	Core Size	Drilling Dates		Claim Number	Logged By:	
	Line	Station	Easting	Northing	Inclination(°)	Azimuth(°)					Start	Finish		Carey Galeschuk <i>C. Galeschuk</i>	
SL-97-07	8597N	10033E	NA	NA	-45°	340°	307	2	307ft/-43°	BQ	9/23/97	9/25/97	K 1162991	Drilled By: Kenora Soil and Drilling	
Footage		Sample				Assays								Date Logged: October 23rd, 1997	Page 2 of 2
From	To	Number	From	To	Length	% Ta ₂ O ₅	% SnO ₂	Ta/Sn	% Li ₂ O	% Na ₂ O	% K ₂ O	% P ₂ O ₅	% Cs ₂ O	Rock Type	Geology
....continued		2982	238.3	239.7	1.4	0.003	0.020	0.150						End of Hole	with the veinlets. Localized biotitic bands. 238.3-239.7 quartz-albite pegmatite, white to pink in color with k-feldspar crystals up to 2 centimetres. Sharp upper contact @ 30° and sharp lower contact @ 60° to the core axis eoh
307.0															

LINE CO-ORDINATE

8597N / 10033E

SURFACE
EXPRESSION
TURTLEBACK
PEGMATITE

OVERBURDEN

LINE CO-ORDINATE

8664N / 10033E

82.6 - 87.8	<0.001 / 0.018
87.8 - 93.0	<0.001 / 0.012
93.0 - 97.9	<0.001 / 0.013
97.9 - 103.5	0.004 / 0.013
103.5 - 108.0	<0.001 / 0.011
108.0 - 113.0	0.006 / 0.013
113.0 - 118.0	<0.002 / 0.014 / 0.09
118.0 - 122.0	<0.001 / 0.006
122.0 - 127.0	0.002 / 0.008
127.0 - 132.3	<0.002 / 0.006
132.3 - 137.0	<0.002 / 0.012
137.0 - 142.4	<0.001 / 0.008
142.4 - 147.9	<0.001 / <0.002

MAFIC TUFF

ZONED PEGMATITE

MAFIC VOLCANIC

LEGEND

FROM	TO	Ta2O5	SnO2	Li2O
119 - 122.6		<0.002	<0.001	0.07

MAFIC VOLCANIC

MAFIC TUFF

MAFIC VOLCANIC

1 INCH = 40 FEET



SL-97-07
(340°@-45°)
EOH = 307 FEET

SL-97-06
(160°@-45°)

EOH = 427 FEET

341.0 - 348.0	0.005 / 0.010
348.0 - 351.0	<0.001 / 0.003
351.0 - 358.0	<0.001 / 0.018
358.0 - 361.0	<0.002 / 0.013
361.0 - 368.0	0.003 / 0.014
368.0 - 371.0	<0.002 / 0.014
371.0 - 378.0	0.004 / 0.014
378.0 - 381.1	0.007 / 0.010

TANTALUM MINING CORPORATION
OF CANADA LIMITED

SEPARATION LAKE
DRILL SECTION FOR SL-97-06 AND SL-97-07
(LOOKING WEST)

Scale:	1:430	Date:	January 1998
Drawn By:	CRG	Township:	PATERSON LAKE G-2834
Figure:		Claim No.:	1178296 and 1162991

Tantalum Mining Corporation of Canada Limited Diamond Drill Log

Drill Hole I.D.	Grid Coordinates		UTM Coordinates		Hole Direction		Hole Length(ft)	Casing Depth(ft)	Corrected Dip Test(°)	Core Size	Drilling Dates		Claim Number	Logged By:	
	Line	Station	Easting	Northing	Inclination(°)	Azimuth(°)					Start	Finish		Carey Galeschuk	
SL-97-08	8585N	10170E	NA	NA	-45°	350°	397	5	397ft/-36°	BQ	9/26/97	9/30/97	K 1162991	Carey Galeschuk	
Drilled By: Kenora Soil and Drilling Core Storage: Tanco Minesite, Bernic Lake, Manitoba (21 Boxes) Date Logged: October 28th, 1997 Page 1 of 4															
Footage		Sample				Assays								Rock Type	Geology
From	To	Number	From	To	Length	% Ta ₂ O ₅	% SnO ₂	Ta/Sn	% Li ₂ O	% Na ₂ O	% K ₂ O	% P ₂ O ₅			
0.0	5.0													<i>Casing</i>	
5.0	82.0													<i>Reworked Mafic Tuff</i>	
82.0	162.4	2983	82.0	87.4	5.4	<0.001	<0.001							<i>Pegmatite</i>	
		2984	87.4	92.0	4.6	<0.001	<0.001								
		2985	92.0	97.0	5.0	<0.001	<0.001								
		2986	97.0	102.0	5.0	<0.002	0.012								
		2987	102.0	107.0	5.0	<0.002	0.017								
		2988	107.0	112.0	5.0	<0.002	0.009								
		2989	112.0	117.0	5.0	0.002	0.007	0.286							
		2990	117.0	123.1	6.1	<0.002	0.006								
Sand and clay, overburden. Gray to dark gray, fine grained unit of basaltic composition. Moderate foliation @ 50° to the core axis. Unit tends to be enriched in disseminated biotite. Contains localized bands of oxidized red k-feldspar crystals up to 2-4 millimetres. Lower contact of the unit is sharp and highly enriched with biotite @ 40° to the core axis. 45.4-46.0 remobilized amphiboles, green radiating crystals of amphibole up to 2 centimetres in length. 3-5% anhedral to subhedral red to yellow brown garnets. Possible healed shear. Contacts @ 80° to the core axis. 78.2-78.5 garnetiferous quartz vein, upper contact is sharp and epidotized @ 86° and the lower contact is @ 65° to the core axis. Contains 3-5% brown subhedral garnets up to 5 millimetres. 78.7-79.0 aplite dyke, sharp upper contact @ 32° and a sharp lower contact @ 29° to the core axis. Turtleback Pegmatite 82.0-87.4 Albite Zone , albite, K-feldspar, quartz, mica & tourmaline. Albite dominant with 10% buff pink k-feldspar crystals. Albite is a cream white color. K-feldspar commonly surrounded by quartz accumulates. Quartz is smoky. Secondary porphoblasts of smoky quartz. Tourmaline rich top of unit. Trace oxides. Weakly to moderately foliated with light green to silvery mica occupying planes @ 43-45° to the core axis. Stress growth in k-feldspar parallel the foliation, as do the quartz grains. Occasional red garnets. Lower contact is gradational as marked by reduction in albite content. 87.4-123.1 K-feldspar-Mica Zone , possible MQM section, 30% buff to moderate pink k-feldspar crystals up to 5 centimetres. Matrix of silvery mica and quartz. Quartz is moderate to highly smoky. Intermittent bands of cream white fine grained albite. Presence of Na-feldspar noted in contact with rims of k-feldspar. Weak foliation @ 40° tocontinued															

Tantalum Mining Corporation of Canada Limited Diamond Drill Log

Drill Hole I.D.	Grid Coordinates		UTM Coordinates		Hole Direction		Hole Length(ft)	Casing Depth(ft)	Corrected Dip Test(°)	Core Size	Drilling Dates		Claim Number	Logged By:	
	Line	Station	Easting	Northing	Inclination(°)	Azimuth(°)					Start	Finish		Carey Galeschuk <i>CR Galeschuk</i>	
SL-97-08	8585N	10170E	NA	NA	-45°	350°	397	5	397ft/-36°	BQ	9/26/97	9/30/97	K 1162991	Drilled By: Kenora Soil and Drilling	
Footage		Sample				Assays							Date Logged: October 28th, 1997	Page 2 of 4	
From	To	Number	From	To	Length	% Ta ₂ O ₅	% SnO ₂	Ta/Sn	% Li ₂ O	% Na ₂ O	% K ₂ O	% P ₂ O ₅		Rock Type	Geology
.....continued															
		2991	123.1	130.0	6.9	<0.002	0.017								the core axis as defined by mica alignment. Increase in foliation directly proportional to an increase in red garnets. K-feldspar randomly orientated with respect to foliation. Trace to rare red brown to black oxides. End of zone marked by a 5 centimetre quartz vein.
		2992	130.0	135.0	5.0	<0.001	0.012		0.11	3.34	3.60	<0.02			123.1-130.0 K-feldspar-Muscovite-Biotite Zone , very similar to previous unit but contains 20-25% black biotite books up to 6 centimetres. No garnets or foliation. Contains a white mineral, possibly Na-feldspar, which appears brecciated. Sharp contacts @ 46° to the core axis.
		2993	135.0	140.0	5.0	<0.001	0.007								
		2994	140.0	145.0	5.0	<0.001	<0.002								
		2995	145.0	150.0	5.0	<0.002	0.009								
		2996	150.0	153.0	3.0	<0.002	0.005								
		2997	153.0	157.4	4.4	0.003	0.017	0.176					<0.001		Intermittent bands of cream white fine grained albite. Presence of Na-feldspar noted in contact with rims of k-feldspar. Weak foliation @ 40° to the core axis as defined by mica alignment. Increase in foliation directly proportional to an increase in red garnets. K-feldspar randomly orientated with respect to foliation. Trace to rare red brown to black oxides. Occasional white beryl. Gradational lower contact.
		2998	157.4	162.4	5.0	0.003	0.014	0.214							157.4-162.4 K-feldspar-Albite-Mica Zone , zone marked by the occurrence of biotite. K-feldspar crystals in a albite and mica matrix. Albite a creamy white to pink. Lower contact marked by a blood red oxidation. Sharp lower contact @ 66° to core axis.
162.4	202.2													Reworked Mafic Tuff	Gray, fine grained unit of basaltic composition. Moderate to highly foliated @25-30° to core axis. Occasional carbonate veinlets parallel to foliation. Sharp irregular lower contact @ 64° to the core axis.
202.2	217.7													Pegmatite	Albite rich pegmatite with sharp lower contact @ 34° to the core axis.
		2999	202.2	207.0	4.8	<0.002	0.005								202.2-210.9 Albite Zone , banded albite with mica sections.
		3000	207.0	210.9	3.9	<0.002	0.009							continued

Tantalum Mining Corporation of Canada Limited Diamond Drill Log

Drill Hole I.D.	Grid Coordinates		UTM Coordinates		Hole Direction		Hole Length(ft)	Casing Depth(ft)	Corrected Dip Test(°)	Core Size	Drilling Dates		Claim Number	Logged By:	
	Line	Station	Easting	Northing	Inclination(°)	Azimuth(°)					Start	Finish		Carey Galeschuk <i>C. Galeschuk</i>	
SL-97-08	8585N	10170E	NA	NA	-45°	350°	397	5	397ft/-36°	BQ	9/26/97	9/30/97	K 1162991	Drilled By: Kenora Soil and Drilling	
Footage		Sample				Assays								Date Logged: October 28th, 1997	Page 3 of 4
From	To	Number	From	To	Length	% Ta ₂ O ₅	% SnO ₂	Ta/Sn	% Li ₂ O	% Na ₂ O	% K ₂ O	% P ₂ O ₅		Rock Type	Geology
....continued															
		2002	210.9	214.0	3.1	0.007	0.008	0.875							
		2003	214.0	217.7	3.7	0.009	0.014	0.643							
217.7	240.8													<i>Reworked Mafic Tuff</i>	Occasional pinhead garnets and buff k-feldspar crystals. Albite is a light grayish white in color. Occasional black to brown oxides. Albite bands are @ 53° to the core axis. 210.9-217.7 K-feldspar-Albite Zone , albite appearing pink in color. Increase in k-feldspar content. Aplite bearing lower content. Oxidization increasing downhole. Sharp lower contact @ 34° to the core axis.
240.8	256.4	2004	240.8	246.7	5.9	0.008	0.020	0.400						<i>Pegmatite</i>	Gray, fine grained unit of basaltic composition. Moderate foliation @ 50° to the core axis. Sharp lower @ 50° to the core axis. 232.3-232.7 Albite Pegmatite, sharp upper biotite rich contact @ 30° and lower sharp contact @ 46° to the core axis. Sharp lower contact @ 48° to the core axis.
		2005	246.7	252.0	5.3	0.008	0.019	0.421	0.09	5.01	1.48	0.36			240.8-246.7 Mica-K-feldspar-Quartz Zone , k-feldspar and silver mica matrix with occasional isolated k-feldspar crystals. Weak foliation from mica @ 45° to the core axis. Intermittent gray albite. Weak oxidization.
		2006	252.0	256.4	4.4	0.007	0.015	0.467							246.7-252.0 Albite Zone , grayish white very fine grained albite with disseminated mica along the foliation planes. Weak to moderate foliation @ 45-50° to the core axis. Rare to occasional red pinhead garnets. Gradational upper contact. Sharp lower contact @ 48° to the core axis.
256.4	262.9													<i>Reworked Mafic Tuff</i>	252.0-256.4 K-feldspar-Albite Zone , matrix of fine grained albite with minor green to silvery mica. Large k-feldspar crystals commonly are associated with quartz. Weak oxidization.
262.9	267.5	2007	262.9	267.5	4.6	0.007	0.013	0.538						<i>Pegmatite</i>	Gray, fine grained unit of basaltic composition. Moderate foliation @ 50° to the core axis. Sharp lower @ 50° to the core axis. Composition of k-feldspar, albite and quartz. Buff pink unit with trace oxides. Tourmaline present at top of the unit. Sharp biotite enriched upper contact @ 48° and sharp lower contact @ 48° to the core axis.

.....continued

Tantalum Mining Corporation of Canda Limited Diamond Drill Log

Drill Hole I.D.	Grid Coordinates		UTM Coordinates		Hole Direction		Hole Length(ft)	Casing Depth(ft)	Corrected Dip Test(°)	Core Size	Drilling Dates		Claim Number	Logged By:	
	Line	Station	Easting	Northing	Inclination(°)	Azimuth(°)					Start	Finish		Carey Galeschuk <i>CR Galeschuk</i>	
SL-97-08	8585N	10170E	NA	NA	-45°	350°	397	5	397ft/-36°	BQ	9/26/97	9/30/97	K 1162991	Drilled By: Kenora Soil and Drilling	
Footage		Sample				Assays							Date Logged:	October 28th, 1997	Page 4 of 4
From	To	Number	From	To	Length	% Ta ₂ O ₅	% SnO ₂	Ta/Sn	% Li ₂ O	% Na ₂ O	% K ₂ O	% P ₂ O ₅		Rock Type	Geology
....continued 267.5	348.7													<i>Mafic Volcanic</i>	Fine grained green gray unit of basaltic composition. Upper portion contains tuffaceous and small biotitic sections. Moderate to highly foliated @ 48-50° to the core axis. Numerous carbonate veinlets parallel to foliation with weak crenulation. Gradational lower contact.
348.7	397.0													<i>Reworked Mafic Tuff</i>	310.6-312.7 Pegmatite, contains k-feldspar, tourmaline, with minor tourmaline. Pinkish to white in color. Sharp irregular upper contact @ 56° and sharp lower contact @ 44° to the core axis.
397.0														<i>End of Hole</i>	Gray and fine grained basaltic tuff unit. Weak to moderate foliation @ 25-30° to the core axis. Occasional carbonate veinlets. eoh

GRID CO-ORDINATE

8585N / 10170E

SURFACE EXPRESSION

TURTLEBACK PEGMATITE

OVERBURDEN

MAFIC
TUFF

ZONED PEGMATITE

LEGEND

FROM	TO	Ta ₂ O ₅	SnO ₂	Li ₂ O
246.7	252.0	0.008 /	0.019 /	0.09

82.0	87.2	<0.001	/	<0.001
87.2	92.0	<0.001	/	<0.001
92.0	97.0	<0.001	/	<0.001
97.0	102.0	<0.002	/	0.012
102.0	107.0	<0.002	/	0.017
107.0	112.0	<0.002	/	0.009
112.0	117.0	0.002	/	0.007
117.0	123.1	<0.002	/	0.006
123.1	130.0	<0.002	/	0.017 / 0.11
130.0	136.0	<0.001	/	0.012
136.0	140.0	<0.001	/	0.007
140.0	146.0	<0.001	/	<0.002
146.0	150.0	<0.002	/	0.009
150.0	153.0	<0.002	/	0.006
153.0	157.4	0.003	/	0.017
157.4	162.4	0.003	/	0.014

MAFIC
TUFF

MAFIC
TUFF

MAFIC
TUFF

202.2	207.0	<0.002	/	0.006
207.0	210.9	<0.002	/	0.009
210.9	214.0	0.007	/	0.008
214.0	217.7	0.009	/	0.014

240.8	246.7	0.008	/	0.020
246.7	252.0	0.008	/	0.019 / 0.09
252.0	256.4	0.007	/	0.016

262.9	267.5	0.007	/	0.013
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PEGMATITE

PEGMATITE

MAFIC VOLCANIC

MAFIC TUFF

TANTALUM MINING CORPORATION
OF CANADA LIMITED

SEPARATION LAKE

DRILL SECTION SL-97-08
(LOOKING WEST)

Scale:	1:480	Date:	January 1998
Claim No.:	1162991	Township:	Paterson Lake G-2634
Figure:		Drawn By:	CRG

1 INCH = 40 FEET



SL-97-08

(350°@-45°)

EOH = 397 FEET

Tantalum Mining Corporation of Canada Limited Diamond Drill Log

Drill Hole I.D.	Grid Coordinates		UTM Coordinates		Hole Direction		Hole Length(ft)	Casing Depth(ft)	Corrected Dip Test(°)	Core Size	Drilling Dates		Claim Number	Logged By:		
	Line	Station	Easting	Northing	Inclination(°)	Azimuth(°)					Start	Finish		Carey Galeschuk <i>C. Galeschuk</i>		
SL-97-09	9965N	9487E	NA	NA	-50°	030°	205	5	205ft/-49.5°	BQ	10/1/97	10/3/97	K 1178296	Drilled By: Kenora Soil and Drilling		
Footage		Sample				Assays								Date Logged:	October 29th, 1997	Page 1 of 1
From	To	Number	From	To	Length	% Ta ₂ O ₅	% SnO ₂	Ta/Sn	% Li ₂ O	% Na ₂ O	% K ₂ O	% P ₂ O ₅	Rock Type	Geology		
0.0	6.0												Casing	Overburden comprised of sand and clay. Medium to dark gray mafic unit of basaltic composition. Highly foliated @ 50-57° to the core axis. Weak garnet alteration along foliation planes. 71.3-73.2 Pegmatite, composition of albite and k-feldspar. Contains 1 foot interval of broken core at lower contact. Irregular sharp upper contact @ 52° to the core axis. Three sections of pegmatite with two intervals of mafic volcanic units in between. Pegmatite consists of albite, mica, k-feldspar, tourmaline, and garnet with trace oxides. The albite is a grayish green to white. K-feldspar crystals are a buff pink. Tourmaline and garnets are aligned along foliation planes @ 56° to the core axis. Occasional red to pink garnet up to 1 centimetre. Gray fine grained banded unit of basaltic composition. Biotite rich bands @ 58° to the core axis. Presence of holmquistite. Sharp lower contact @ 64° to the core axis. Albite rich pegmatite with a sharp lower contact @ 73° to the core axis. The albite is green and fine grained. Garnet and biotite altered mafic volcanic. Possible tuff. Weak mineralization of 1-2% disseminated po and py with trace cpy. Moderate to highly foliated at 44-46° to the core axis. eoh		
6.0	143.9												Mafic Tuff			
143.9	148.9	2008	143.9	148.9	5.0	0.014	0.042	0.333					Pegmatite			
148.9	172.6												Mafic Volcanic			
172.6	174.9	2009	172.6	174.9	2.3	0.014	0.092	0.152					Pegmatite			
174.9	205												Altered Mafic Volcanic			
205													End of Hole			

GRID CO-ORDINATE
9965N / 9487E

SURFACE EXPRESSION
OF PEGMATITE

OVERBURDEN

MAFIC TUFF

PEGMATITE

MAFIC VOLCANIC

PEGMATITE

143.9 - 148.9 0.014 0.042

172.6 - 174.9 0.014 0.092

ALTERED
MAFIC VOLCANIC

SL-97-09
(030°@-30°)
EOH = 205 FEET

LEGEND

FROM	TO	Ta ₂ O ₅	SnO ₂	Li ₂ O
143.9 -	148.9	0.014 /	0.042 /	

1 INCH = 40 FEET



**TANTALUM MINING CORPORATION
OF CANADA LIMITED**

SEPARATION LAKE

**DRILL SECTION FOR SL-97-09
(LOOKING WEST)**

Scale:	1:480	Date:	January 1998
Claim No.:	1178296	Township:	Paterson Lake G-2634
Figure:		Drawn By:	CRG

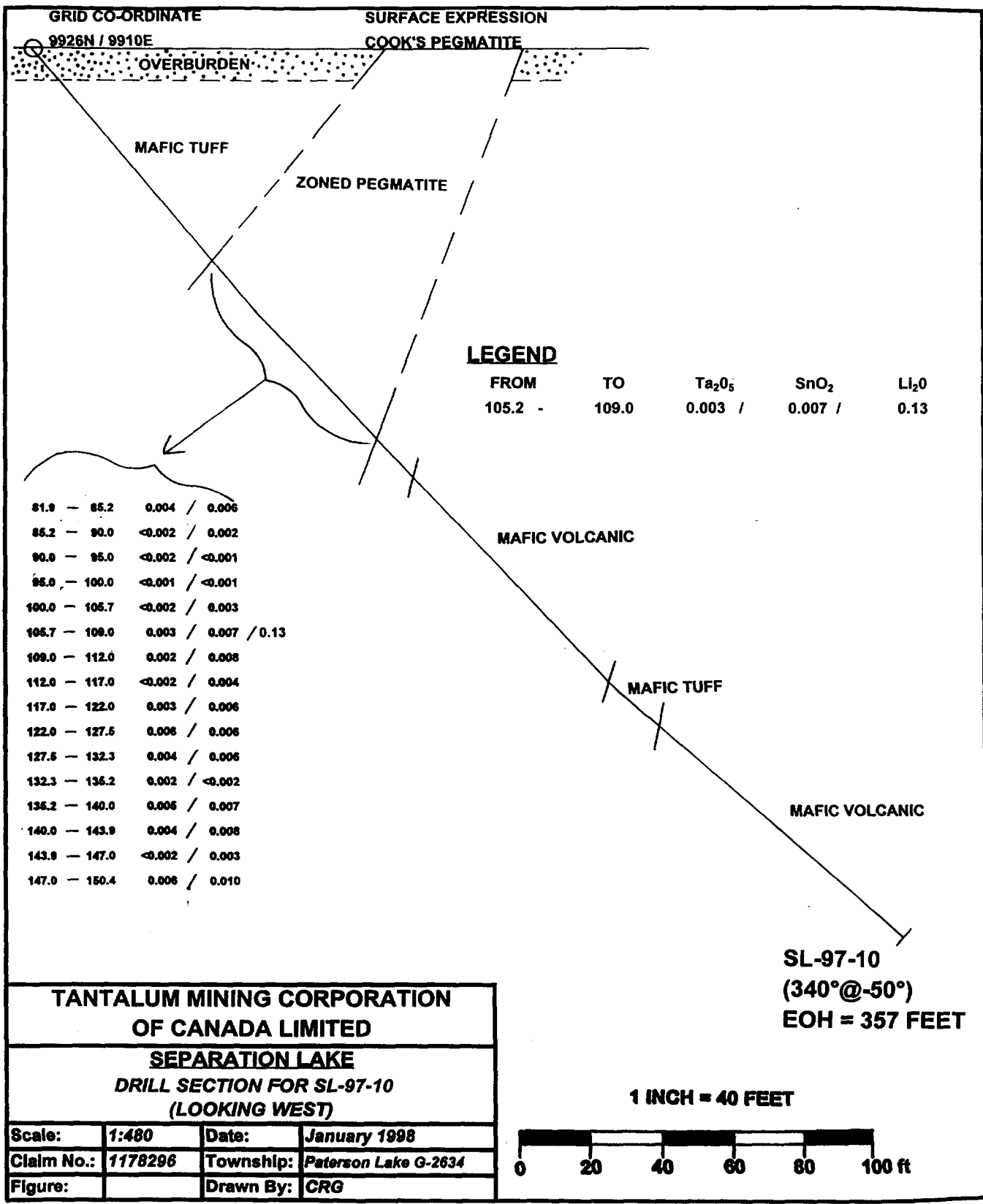
Tantalum Mining Corporation of Canada Limited Diamond Drill Log

Drill Hole I.D.	Grid Coordinates		UTM Coordinates		Hole Direction		Hole Length(ft)	Casing Depth(ft)	Corrected Dip Test(°)	Core Size	Drilling Dates		Claim Number	Logged By:	
	Line	Station	Easting	Northing	Inclination(°)	Azimuth(°)					Start	Finish		Carey Galeschuk <i>C. Galeschuk</i>	
SL-97-10	9926N	9910E	NA	NA	-50°	340°	357	12	357ft/-41.5°	BQ	10/3/97	10/4/97	K 1178296	Drilled By: Kenora Soil and Drilling	
Footage		Sample				Assays								Date Logged: October 30th, 1997	Page 1 of 2
From	To	Number	From	To	Length	% Ta ₂ O ₅	% SnO ₂	Ta/Sn	% Li ₂ O	% Na ₂ O	% K ₂ O	% P ₂ O ₅		Rock Type	Geology
0.0	12.0													Casing	Overburden of sand and clay.
12.0	81.9													Mafic Tuff	Alternating gray to dark gray, banded, moderate to highly foliated basaltic unit with foliation @ 70-75° to the core axis. Pink anhedral to subhedral garnets up to 4 millimetres are associated with the dark colored biotite rich bands. Sharp lower contact @ 78° to the core axis.
81.9	150.4													Pegmatite	Cook's Pegmatite Overall a highly deformed granitic pegmatite. Sharp lower contact @ 61° to the core axis.
		2010	81.9	85.2	3.3	0.004	0.006	0.667							81.9-85.2 Wall Zone , perthitic k-feldspar and silver mica. Red to pink quartz pods. Occasional oxidized garnets. Moderate foliation from mica @ 66° to the core axis. Gradational lower contact as defined by the distinct increase in k-feldspar.
		2011	85.2	90.0	4.8	<0.002	0.002								85.2-105.2 K-feldspar Zone , composed of k-feldspar, quartz, mica, and green beryl. Pockets of gray green albite. trace oxides. Numerous oxidized sites with red to pink garnets. Trace pyrite on fractures. Unit appears brecciated as crystals are spaced apart and rimmed with mica. Lower contact @ 43° to the core axis.
		2012	90.0	95.0	5.0	<0.002	<0.001								
		2013	95.0	100.0	5.0	<0.001	<0.001								
		2014	100.0	105.2	5.2	<0.002	0.003								
		2015	105.2	109.0	3.8	0.003	0.007	0.429	0.13	4.16	3.34	<0.002			105.2-112.0 Shear Zone , highly fractured area with the brecciation of k-feldspar and a white mineral which as altered to a clay. Presence of quartz and mica. Oxidization along fractures which are perpendicular to the shearing which is @ 75-80° to the core axis.
		2016	109.0	112.0	3.0	0.002	0.008	0.250					0.01		
		2017	112.0	117.0	5.0	<0.002	0.004								112.0-127.5 K-feldspar Zone , composed of k-feldspar, quartz, mica, and green beryl. Pockets of gray green albite. trace oxides. Numerous oxidized sites with red to pink garnets. Trace pyrite on fractures. Unit appears brecciated as crystals are spaced apart and rimmed with mica. Lower contact @ 43° to the core axis.
		2018	117.0	122.0	5.0	0.003	0.006	0.500							
		2019	122.0	127.5	5.5	0.006	0.006	1.000							
		2020	127.5	132.3	4.8	0.004	0.006	0.667							127.5-132.3 Shear Zone , highly fractured and brecciated zone of clay, k-feldspar, quartz and mica. Oxidization along fractures perpendicular to the shearing @ 70-75° to the core axis. Similar to previous sheared unit.

.....continued

Tantalum Mining Corporation of Canada Limited Diamond Drill Log

Drill Hole I.D.	Grid Coordinates		UTM Coordinates		Hole Direction		Hole Length(ft)	Casing Depth(ft)	Corrected Dip Test(°)	Core Size	Drilling Dates		Claim Number	Logged By:	Core Storage:	
	Line	Station	Easting	Northing	Inclination(°)	Azimuth(°)					Start	Finish		Carey Galeschuk <i>CR Galeschuk</i>		Drilled By:
SL-97-10	9926N	9910E	NA	NA	-50°	340°	357	12	357ft/-41.5°	BQ	10/3/97	10/4/97	K 1178296		Tanco Minesite, Bernic Lake, Manitoba (21 Boxes)	
Footage		Sample				Assays							Date Logged:	October 30th, 1997	Page 2 of 2	
From	To	Number	From	To	Length	% Ta ₂ O ₅	% SnO ₂	Ta/Sn	% Li ₂ O	% Na ₂ O	% K ₂ O	% P ₂ O ₅		Rock Type	Geology	
....continued		2021	132.3	135.2	2.9	0.002	<0.002									132.3-135.2 K-feldspar Zone , Contains k-feldspar, beryl, tourmaline, and rare garnet. Unit generally pink. Moderate foliation @ 57° to the core axis.
		2022	135.2	140.0	4.8	0.005	0.007	0.714								135.2-143.9 Albite-Quartz Zone , silvery green mica, trace oxides, moderate foliation @ 64° to the core axis. Unit is generally white in color. Rare purple gamets up to 5 millimetres. Occasional black tourmaline and green beryl.
		2023	140.0	143.9	3.9	0.004	0.008	0.500								143.9-150.4 K-feldspar Zone , apalitic in texture. 3-5% purple gamets up to 8 millimetres. 2-3% disseminated silvery mica. Random orientated tourmalines.
		2024	143.9	147.0	3.1	<0.002	0.003									
		2025	147.0	150.4	3.4	0.006	0.010	0.600								
150.4	163.5													Mafic Tuff	Dark to medium gray unit of well banded basaltic material @ 56° to the core axis. 5-6% pink anhedral garnets up to 6 millimetres aligned parallel to foliation. 1-2% po associated with the garnets. Several small pegmatitic stringers. Sharp mineralized lower contact @ 56° to the core axis.	
163.5	244.1													Mafic Volcanic	Gray, dense basaltic unit with a very uniform fine grained texture. Occasional carbonate veinlets parallel to foliation. Weak to moderate foliation @ 58-60° to the core axis. Garnets are associated with the foliation and increase down-hole.	
244.1	263.1													Mafic Tuff	215.6-238.1 Garnet Zone, 10-15% garnets. Numerous small sections of foliation controlled semi-massive po and aspy. Moderate foliation @ 54-56° to the core axis. Weak crenulations and carbonate.	
263.1	357.0													Mafic Volcanic	Gray to brown, biotite rich tuffaceous unit of basaltic composition. Moderate to highly foliated @ 50-54° to the core axis. Granular texture. Fine grained. Gradational contacts Gray, dense basaltic unit with a very uniform fine grained texture. Occasional carbonate veinlets parallel to foliation. Weak to moderate foliation @ 60-62° to the core axis. Trace po mineralization.	
357.0														End of Hole	319.8-321.1 Quartz-albite-petalite pegmatite with sharp upper contact @ 60° and lower contact @ 70° to the core axis. 327.3-327.7 Quartz-albite-petalite pegmatite, as previous eoh	



APPENDIX D

EXPENDITURES

Tantalum Mining Corporation

EXPENDITURE		
<u>LABOR</u>		
DRILL SUPERVISION AND FIELD WORK	33 MAN DAYS @ \$250	\$8,250
LOGGING, SPLITTING AND SAMPLING	5 MAN DAYS @ \$250	\$1,250
REPORTING AND DRAFTING	12 MAN DAYS @ \$250	\$3,000
<u>COSTS AND MATERIAL</u>		
DRILL COSTS		\$57,909
ASSAYS - 192 DETERMINATIONS @ \$6.25		\$1,212
COMMUNICATIONS		\$330
FIELD SUPPLIES		\$416
GROCERIES		\$186
<u>TRANSPORTATION</u>		
TRUCK LEASE		\$490
GAS AND SUPPLIES		\$1,147
CARGO TRUCK RENTAL (CORE MOVING)		\$784
BOAT RENTAL		\$878
<u>ACCOMMODATIONS</u>		
CABIN RENTAL \$475 PER WEEK		\$1,900
JOHN PALSON		
HIDEWAY CAMPS		
REDDIT, ONTARIO		
TOTAL		\$77,752
OFFICE OVERHEAD (@ 10%)		\$7,775
GRAND TOTAL		\$85,527

CLAIM/COST BREAKDOWN		
CLAIM	PERCENTAGE	COST BREAKDOWN
K 1178867	13.9	\$11,888
K1178295	12.7	\$10,862
K 1178787	13.0	\$11,119
K 1178296	35.3	\$30,191
K 1162991	25.1	\$21,467

NOTE: PERCENTAGE BREAKDOWN BASED ON DRILL FOOTAGE

APPENDIX E

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Carey Rus Galeschuk, reside at the following address:

Box 427
16 Aberdeen Street
Pinawa, Manitoba
R0E 1L0

(204) 753-2022

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

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

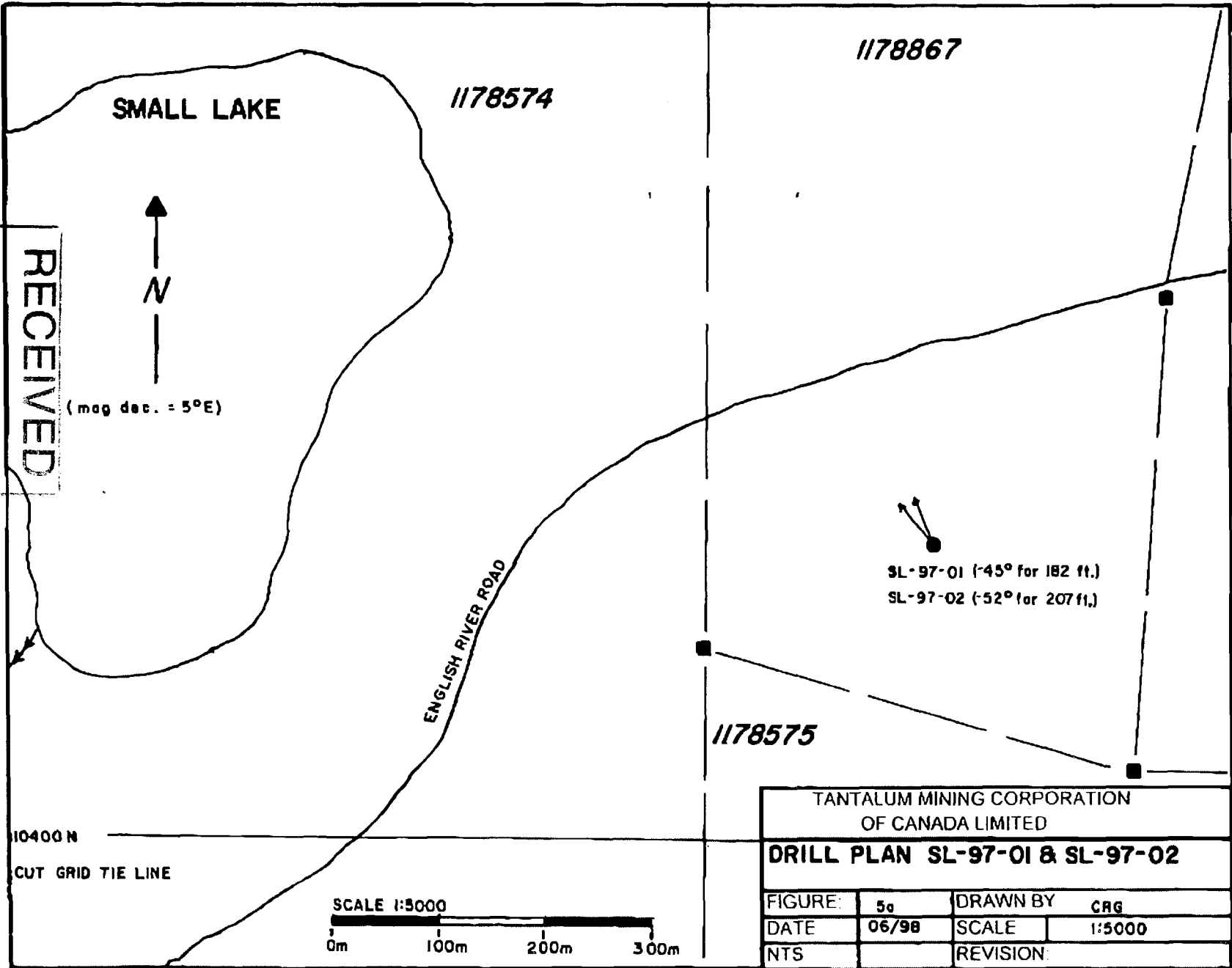
I am a 1988 graduate of the University of Saskatchewan in Saskatoon, Saskatchewan with a Bachelor of Science (Advanced) degree in Geological Sciences.

I have practiced my profession as a geologist since my graduation for numerous companies involved in the exploration for base and precious metals in Canada.

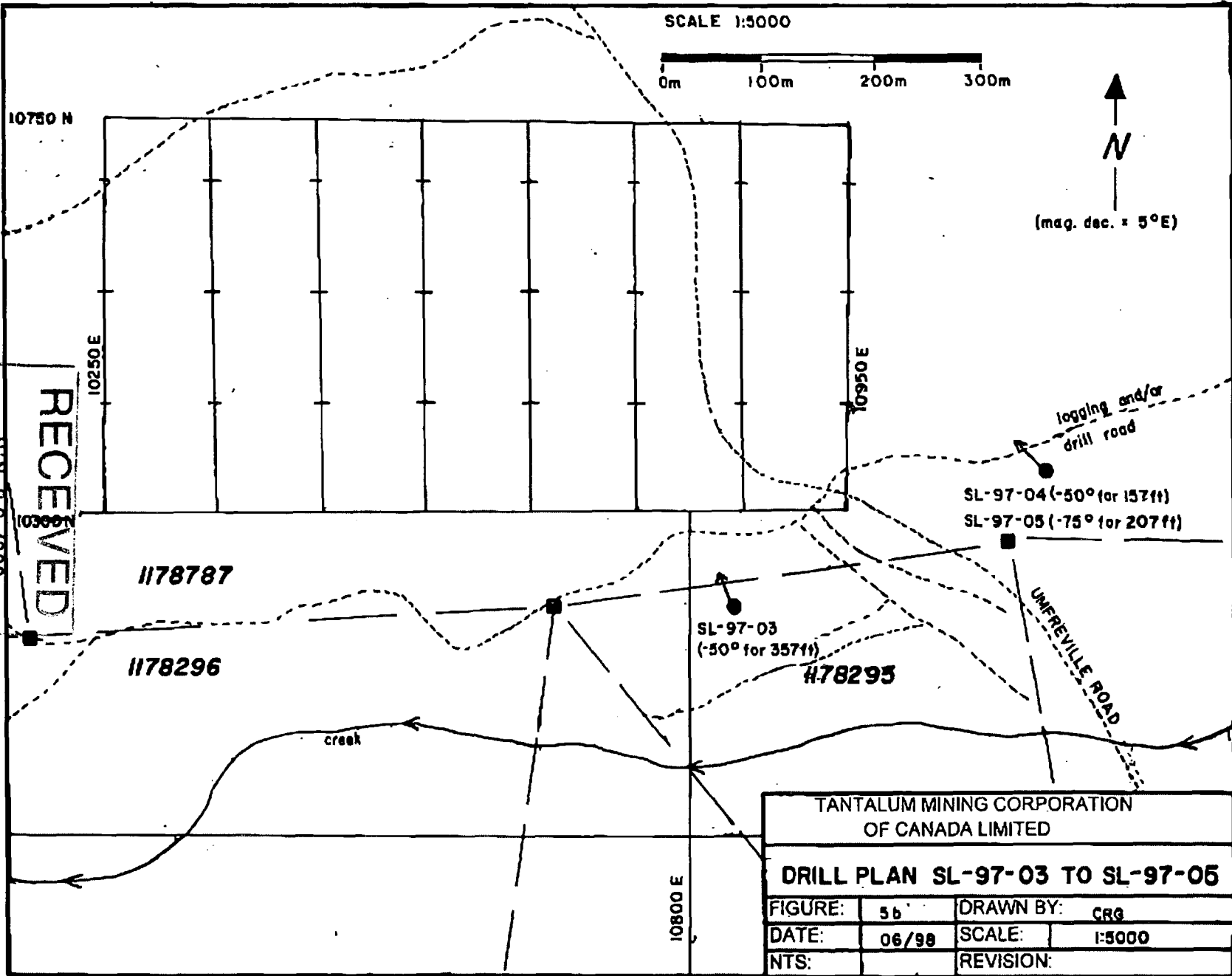
I am a member of the Geological Association of Canada, Association of Geoscientists of Ontario, and the CIM, Winnipeg branch.



C.R. Galeschuk, B.Sc.
Project Geologist
February 1998

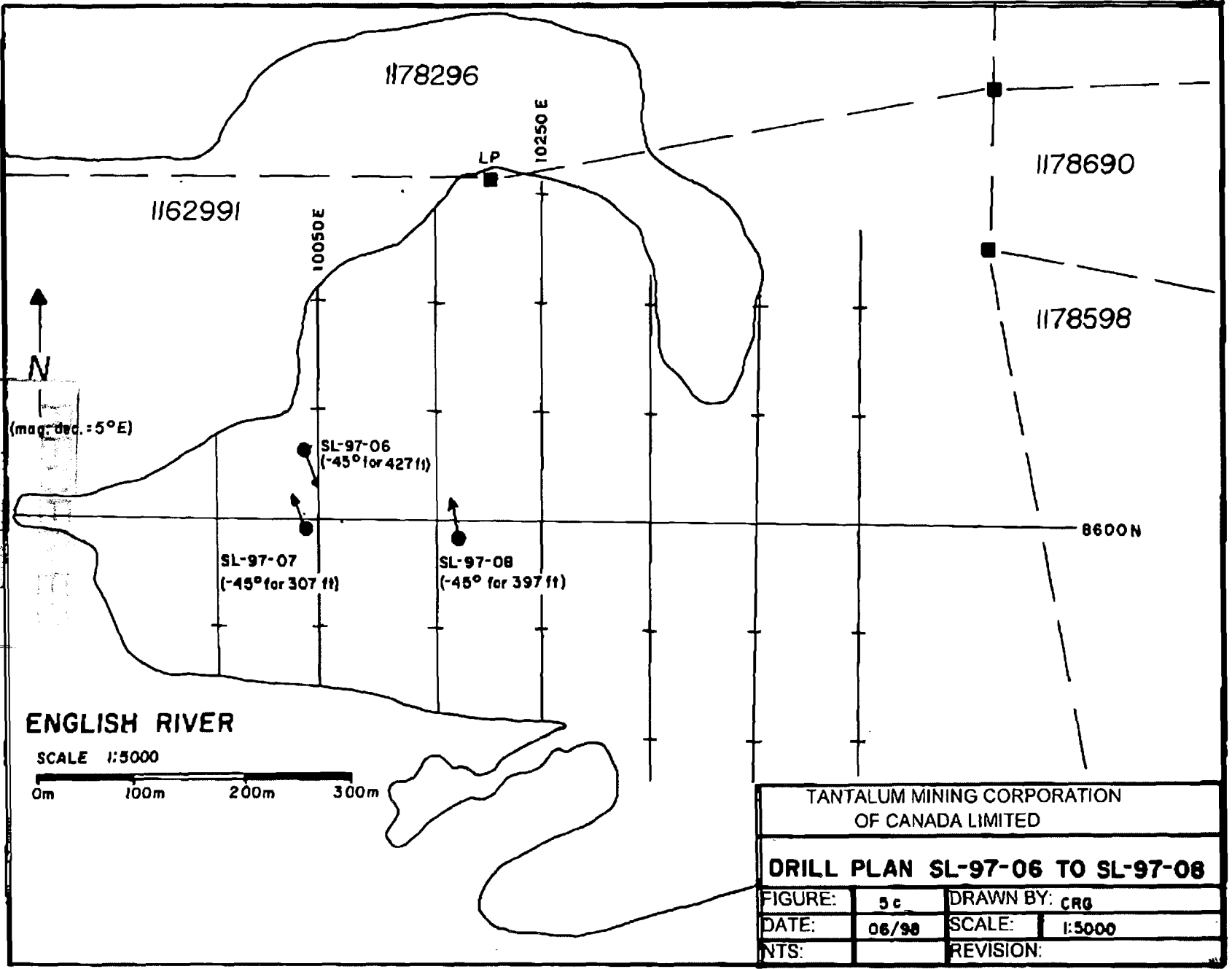


RECEIVED
 JUN 23 1998
 GEOSCIENCE ASSESSMENT
 OFFICE



TANTALUM MINING CORPORATION OF CANADA LIMITED			
DRILL PLAN SL-97-03 TO SL-97-05			
FIGURE:	5b	DRAWN BY:	CRG
DATE:	06/98	SCALE:	1:5000
NTS:		REVISION:	

RECEIVED
 JUN 23 1998
 GEOSCIENCE ASSESSMENT
 OFFICE

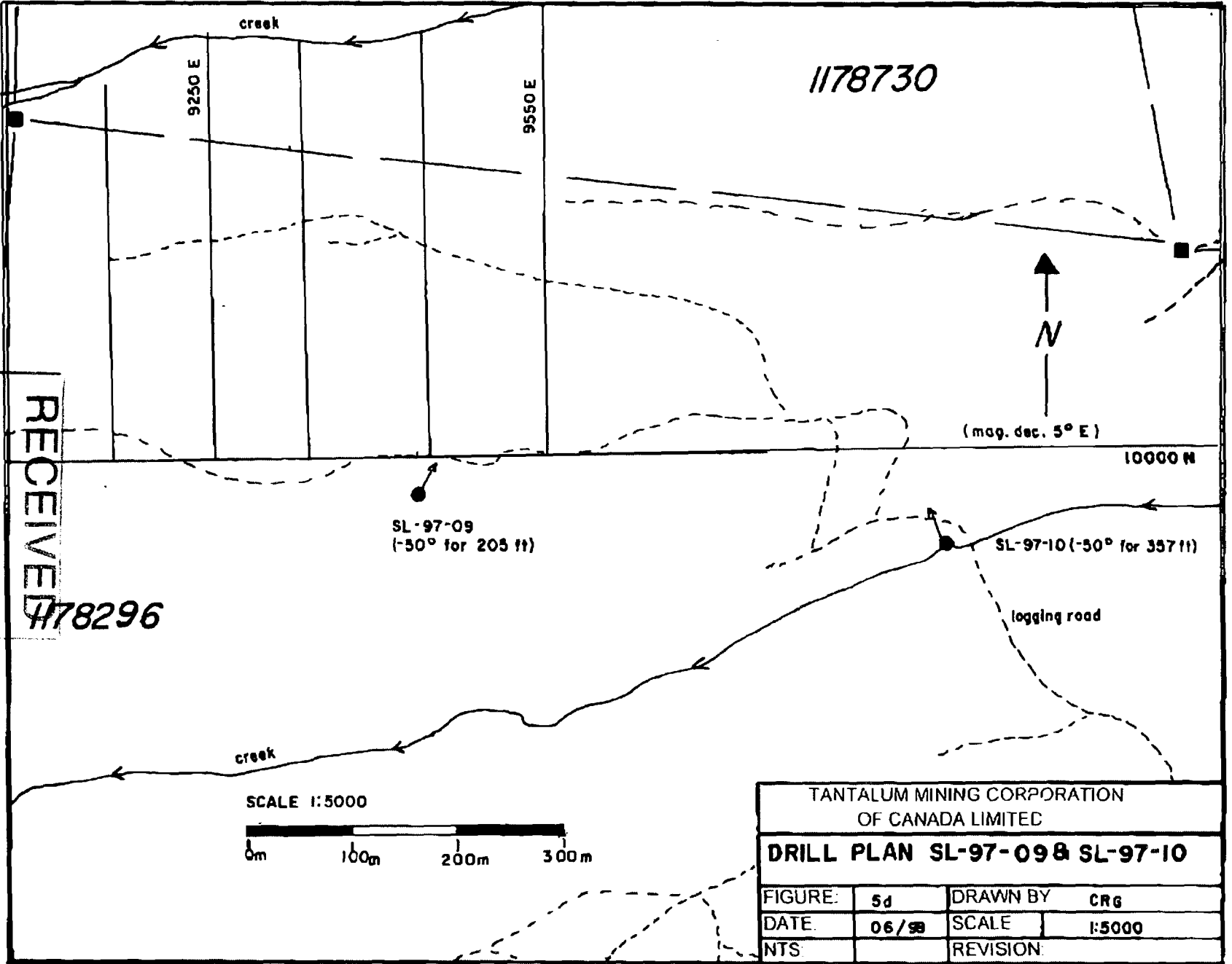


GEOSCIENCE ASSESSMENT OFFICE

ENGLISH RIVER

SCALE 1:5000
0m 100m 200m 300m

TANTALUM MINING CORPORATION OF CANADA LIMITED			
DRILL PLAN SL-97-06 TO SL-97-08			
FIGURE:	5 c	DRAWN BY:	CRG
DATE:	06/98	SCALE:	1:5000
NTS:		REVISION:	



RECEIVED
 JUN 23 1998
 GEOSCIENCE ASSESSMENT
 OFFICE

1178296

TANTALUM MINING CORPORATION OF CANADA LIMITED			
DRILL PLAN SL-97-09 & SL-97-10			
FIGURE:	5d	DRAWN BY	CRG
DATE:	06/98	SCALE	1:5000
NTS:		REVISION:	



Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use) W. 9810-00048 Assessment Files Research Imaging



ty of subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the to review the assessment work and correspond with the mining land holder. ng Recorder, Ministry of Northern Development and Mines, 6th Floor,

900

Instructions: - For work performed on Crown Lands before recording a claim, use form 0240. - Please type or print in ink.

1. Recorded holder(s) (Attach a list if necessary)

2.18226

Form with fields for Name, Address, Client Number, Telephone Number, and Fax Number for Tantalum Mining Corporation of Canada Limited and Gossan Resources Limited.

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

- Geotechnical: prospecting, surveys, assays and work under section 18 (regs)
Physical: drilling, stripping, trenching and associated assays
Rehabilitation

Work Type: DRILLING WITH ASSOCIATED REPORT. Office Use: Commodity, Total \$ Value of Work Claimed (85,527.00), NTS Reference, Mining Division (Kenora), Resident Geologist District (Kenora).

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required; - provide proper notice to surface rights holders before starting work; - complete and attach a Statement of Costs, form 0212; - provide a map showing contiguous mining lands that are linked for assigning work; - include two copies of your technical report.

3. Person or companies who prepared the technical report (Attach a list if necessary)

Name: CAREY GALESCHUK, Telephone Number: (204) 884-2400 ext. 230, Address: P.O. Box 2000 LAC DU BONNET, MB. R0E 1A0, Fax Number: (204) 884-2211

Name, Address, Telephone Number, Fax Number fields. Includes a RECEIVED stamp dated FEB 24 1998 from the GEOSCIENCE ASSESSMENT OFFICE.

4. Certification by Recorded Holder or Agent

I, PETER J. VANSTONE, do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent: Peter J. Vanstone, Date: February 14/98, Agent's Address: Box 2000 LAC DU BONNET, MB R0E 1A0, Telephone Number: (204) 884-2400, Fax Number: (204) 884-2211

Deemed May 25 1998

5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining, w the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

W. 9810-00048

eg	Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
				2.18226		
eg	TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg	1234567	12	0	\$24,000	0	0
eg	1234568	2	\$8,892	\$4,000	0	\$4,892
1	K 1178867	2	\$11,888	\$800	\$6,000	\$5,088
2	K 1178295	1	\$10,862	\$400	\$5,200	\$5,262
3	K 1178296	16	\$30,191	\$6400	\$11,200	\$12,591
4	K 1178787	3	\$11,119	\$1200	\$0	\$9,919
5	K 1162991	8	\$21,467	\$3200	\$0	\$18,267
6	K 1178866	2	0	\$800	0	0
7	K 1149772	1	0	\$400	0	0
8	K 1178297	6	0	\$2400	0	0
9	K 1178730	3	0	\$1200	0	0
10	K 1149776	3	0	\$1200	0	0
11	K 1178437	12	0	\$4800	0	0
12	K 1149775	1	0	\$400	0	0
13	K 1162989	16	0	\$6400	0	0
14	K 1149774	6	0	\$2400	0	0
15	K 1162990	4	0	\$1600	0	0
	K 1149773	2	0	\$800	0	0
Column Totals			\$85,527	\$34,400	\$22,400	\$51,127

I, PETER J. VANSTONE (Print Full Name), do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing: P. J. Vanstone Date: February 19/98

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
Approved for Recording by Mining Recorder (Signature)		



Statement of Costs for Assessment Credit

Transaction Number (office use) W. 9810. 10048

Personal information collected on this form is obtained under the authority of subsection 6 (1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, this information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

2018226

Table with 4 columns: Work Type, Units of work, Cost Per Unit of work, Total Cost. Rows include DRILL SUPERVISION/FIELD WORK, LOGGING/SPLITTING/SAMPLING, REPORT AND DRAFTING, DRILLING, ASSAY DETERMINATIONS, Associated Costs (e.g. supplies, mobilization and demobilization), FIELD SUPPLIES, COMMUNICATIONS, BOAT RENTAL, CARGO TRUCK RENTAL, 10% OVERHEAD OFFICE COSTS, Transportation Costs, GAS AND SUPPLIES, TRUCK LEASE, Food and Lodging Costs, CABIN RENTAL, GROCERIES, and Total Value of Assessment Work.

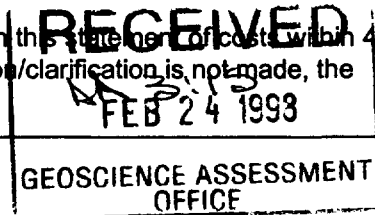
Calculations of Filing Discounts:

- 1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK x 0.50 = Total \$ value of worked claimed.

Note:

- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.



Certification verifying costs:

I, PETER J. VANSTONE, do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying

Declaration of Work form as Chief Geologist I am authorized to make this certification. (recorded holder, agent, or state company position with signing authority)

Signature: [Signature] Date: Feb 19/98

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines



Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (888) 415-9846
Fax: (705) 670-5881

June 30, 1998

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

Visit our website at:
www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Dear Sir or Madam:

Submission Number: 2.18226

Status

Subject: Transaction Number(s): W9810.00048 Approval After Notice

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. **WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.**

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in **DUPLICATE** to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact Lucille Jerome by e-mail at jeromel2@epo.gov.on.ca or by telephone at (705) 670-5858.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Blair Kite".

ORIGINAL SIGNED BY
Blair Kite
Supervisor, Geoscience Assessment Office
Mining Lands Section

Work Report Assessment Results

Submission Number: 2.18226

Date Correspondence Sent: June 30, 1998

Assessor: Lucille Jerome

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9810.00048	1178867	TREELINED LAKE, PATERSON LAKE	Approval After Notice	June 30, 1998

Section:
16 Drilling PDRILL

The revisions outlined in the Notice dated May 14, 1998, have been corrected.

Assessment work credit has been approved as outlined on the attached Distribution of Assessment Work Credit sheet.

Correspondence to:

Resident Geologist
Kenora, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):

Peter J. Vanstone
TANTALUM MINING CORPORATION OF CANADA LIMITED
LAC DU BONNET, MANITOBA

GOSSAN RESOURCES LIMITED
WINNIPEG, MANITOBA

Distribution of Assessment Work Credit

The following credit distribution reflects the value of assessment work performed on the mining land(s).

Date: June 30, 1998

Submission Number: 2.18226

Transaction Number: W9810.00048

<u>Claim Number</u>	<u>Value Of Work Performed</u>
1178867	10,827.00
1178295	9,875.00
1178296	27,450.00
1178787	10,100.00
1162991	19,500.00
Total: \$	77,752.00

G-2521

TREELINED LAKE

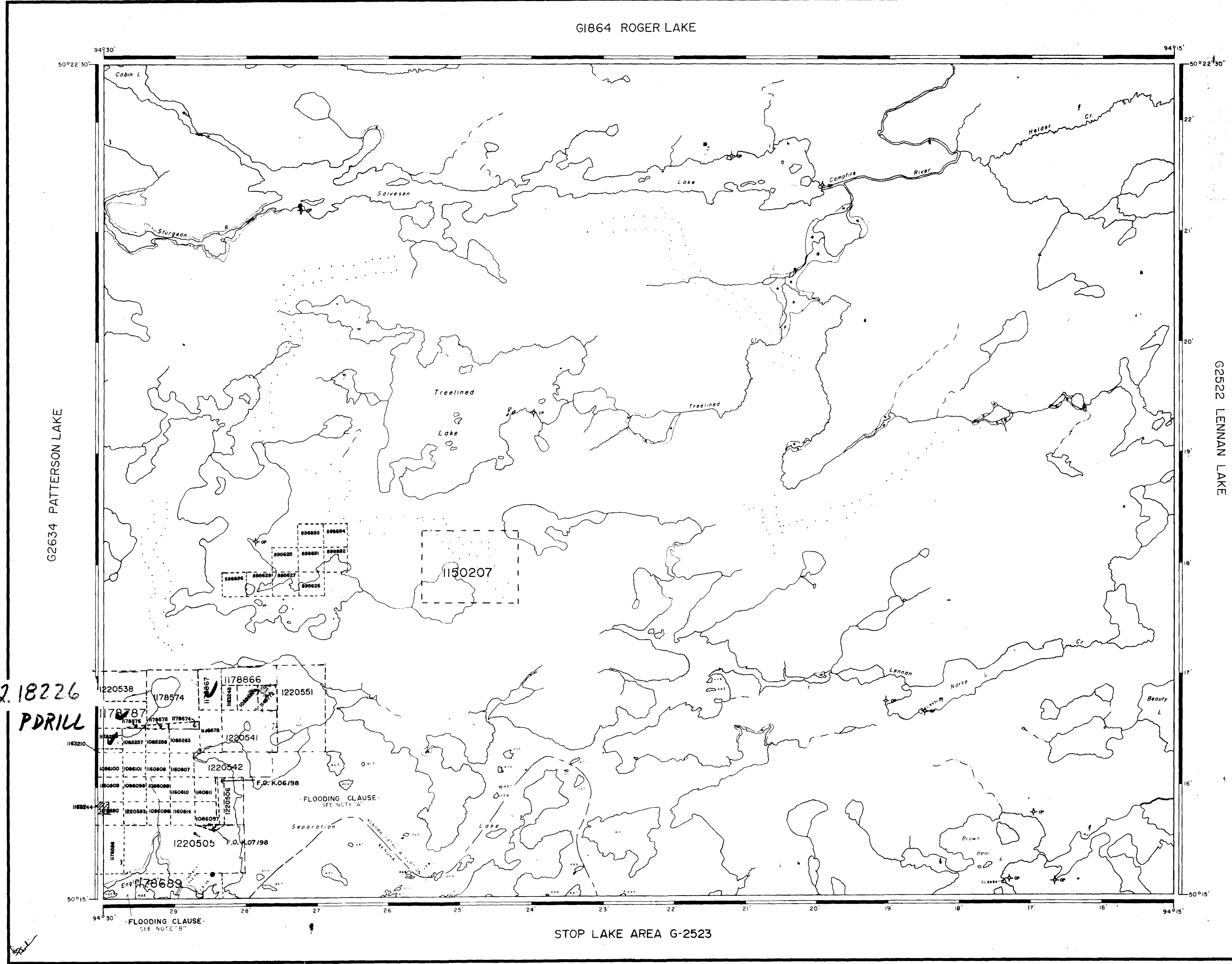
G-2521

G-2521

TREELINED LAKE

G-2521

G1864 ROGER LAKE



2.18226
PDRILL

1220538 1178574 1178866 1220551
 1178871 1178875 1178874 1178876
 1178877 1178878 1178879 1178880
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 1178989 1178990 1178991 1178992
 1178993 1178994 1178995 1178996
 1178997 1178998 1178999 1179000

FLOODING CLAUSE
SEE NOTE 'A'

FLOODING CLAUSE
SEE NOTE 'B'

STOP LAKE AREA G-2523

LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES
- TOWNSHIPS, BASE LINES, ETC.
- LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES
- LOT LINES
- PARCEL BOUNDARY
- MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

LEGEND

- TOURIST CAMPS
- OF (OUTPOST)

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	○
LEASE, SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	□
" MINING RIGHTS ONLY	□
LICENCE OF OCCUPATION	▲
ORDER IN COUNCIL	OC
RESERVATION	○
CANCELLED	○
SAND & GRAVEL	○

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 4 1913, VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT R.S.O. 1970 CHAP. 390, SEC. 83 SUBSEC. 1

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION				
Description	Order No.	Date	Disposition	File
M.R.O. - MINING RIGHTS ONLY				
S.R.O. - SURFACE RIGHTS ONLY				
M + S - MINING AND SURFACE RIGHTS				

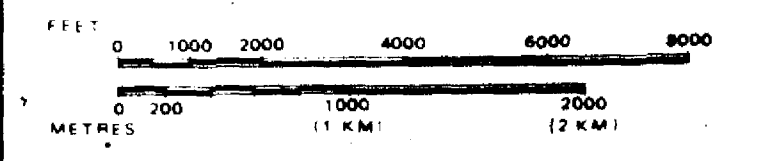
FLOODING

RESERVE FLOODING RIGHTS AND LAND UNDER THE WATERS OF THE ENGLISH RIVER BETWEEN SEPARATION RAPIDS AND CARIBOU FALLS, INCLUDING THE STURGEON RIVER, BELOW CONTOUR ELEVATION 1049.0, G.S.C. DATUM, 1919, TO H.E.P.C. OF ONTARIO FOR THE DEVELOPMENT OF WATER POWER AT CARIBOU FALLS.
 FOR DETAIL OF CONTOUR, REFER TO PLAN No. U-2-27, dated 15th MARCH 1958, (H.E.P.C. PLAN No. 800-3359).
 W.P.L.A. No. 50, dated 21st DECEMBER 1959. File 34179

NOTE "A"

RESERVE FLOODING RIGHTS ON THE ENGLISH RIVER FROM THE UPPER END OF SEPARATION RAPIDS TO THE FOOT OF MAYNARD FALLS, INCLUDING SEPARATION LAKE, BEAUTY LAKE, AND LENNAN CREEK, TO A CONTOUR 5' ABOVE THE HIGH WATER MARK.
 Files 34179, 69307
 RESERVATION REQUESTED 30th NOVEMBER 1959.

SCALE: 1 INCH = 40 CHAINS



AREA TREELINED LAKE

M.N.R. ADMINISTRATIVE DISTRICT
KENORA
 MINING DIVISION
 LAND TITLES / REGISTRY DIVISION
KENORA/KENORA (PATRICIA PORTION)

DATE OF ISSUE
JUN 29 1988
 PROVINCIAL RECORDS OFFICE - SUDBURY

DATE PUT IN SERVICE

JUL 19 1996
 KENORA
 MINING DIVISION



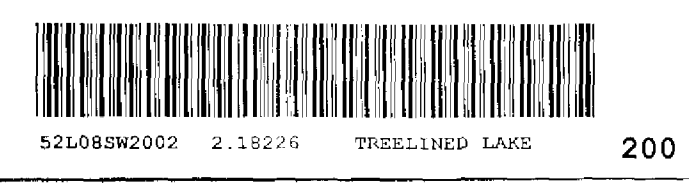
Ministry of Land Management
 Natural Resources Branch
 Ontario

Date: FEBRUARY, 1984

Number: G-2651

M-2694

G-2651



5210892002 2.18226 TREELINED LAKE 200

TRIM LINE

503942

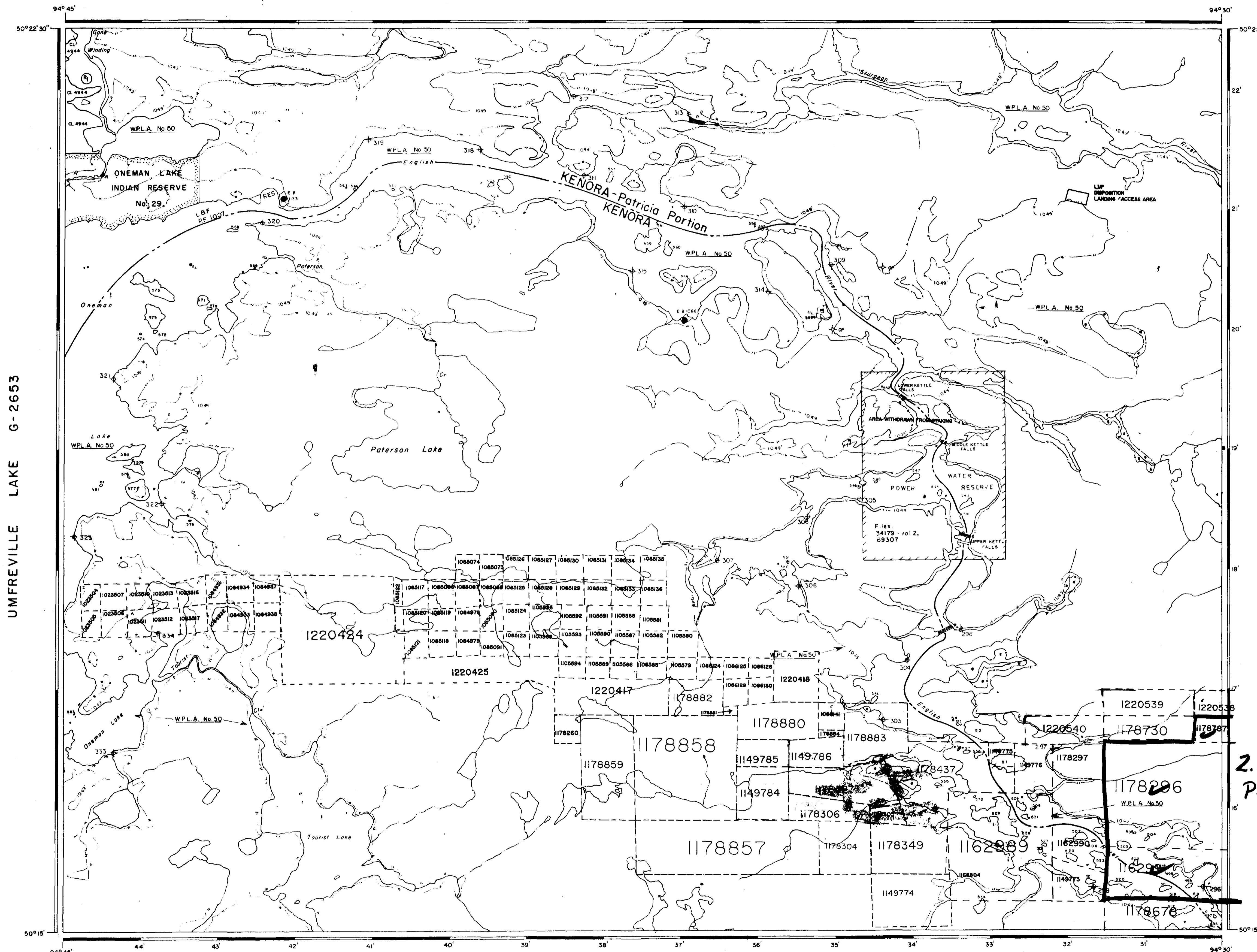
G-5034

PATERSON LAKE

G-5034

TRIM LINE

REX LAKE G-2637



SNOOK LAKE G-2644

LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES
- TOWNSHIPS, BASE LINES, ETC.
- LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES
- LOT LINES
- PARCEL BOUNDARY
- MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	○
LEASE, SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	□
" MINING RIGHTS ONLY	□
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	○
CANCELLED	○
SAND & GRAVEL	○

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 43, SUBSEC. 1

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

- M.R.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M+S - MINING AND SURFACE RIGHTS

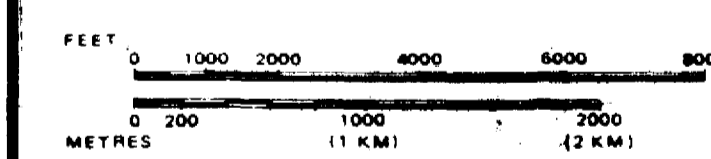
Description	Order No.	Date	Disposition	File
①	W.S./82	21/7/72	S.R. & M.R.	19 42 23

FLOODING

RESERVE FLOODING RIGHTS AND LAND UNDER THE WATERS OF THE ENGLISH RIVER BETWEEN SEPARATION RAPIDS AND CARIBOU FALLS, INCLUDING ONEMAN LAKE, TOURIST LAKE, ONE LAKE, STURGEON RIVER, WINDING RIVER, PATERSON CREEK, AND TOURIST CREEK, BELOW CONTON FIFTEEN (15) MARCH 1939, THE P.C. PLAN NO. 800-3359, W.P.L.A. No. 50 dated 23 DECEMBER 1959, File 34179.

Flooding rights to contour elevation shown thus Mining claims staked in the vicinity, subject to flooding. See Files 34179 - (vol. 2) and 69307.

SCALE: 1 INCH = 40 CHAINS



AREA

PATERSON LAKE

M.N.R. ADMINISTRATIVE DISTRICT
KENORA DATE OF ISSUE
 MINING DIVISION JUN 29 1998
 KENORA
 LAND TITLES / REGISTERED MINING DIVISION
 KENORA / KENORA (PATRICIA PORTION)

Ministry of Land Management
 Natural Resources Branch
 Ontario

Date FEBRUARY, 1984 Number
 M-2531 G-2634

LEGEND

TOURIST CAMPS (10/10/01)

UPDATES

DATE PUT IN SERVICE
 JUL 19 1996
 KENORA
 MINING DIVISION

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.



TRIM LINE

503943

G-5034

PATERSON LAKE

G-5034