2.38799

DUPLICATE

KIRKLAND NORTH PROPERTY

2007 OVERBURDEN STRIPPING/CHANNEL SAMPLING AND DIAMOND DRILL PROGRAMS

(August to September and December, 2007)

Teck Township, Ontario

Larder Lake Mining Division

NTS 42/01

Prepared for:

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June, 2008

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X-Section MB07-10 (scale 1:500)
X-Section MB07-11 (scale 1:500)

SUMMARY

This report summarizes the overburden stripping-mapping-channel sampling program (August to September, 2007) and the diamond drill program (December, 2007) undertaken by Vault Minerals Inc. on the Kirkland North ("KLN") property. The KLN property consists of 22 staked mining claims and one patent claim (mineral rights only) of which twenty claims including the one patent claim are contiguous.

The KLN property is located in Teck Township, Ontario, approximately 800 metres north of the prolific Kirkland Lake Main Break that has produced greater than 24 million ounces of gold. The property covers an area underlain by Lower Blake River and Timiskaming aged assemblages that have been fractured by deep-seated fault systems and that are usually filled with epithermal quartz and occasionally gold mineralization, such as the Federal Kirkland vein. The programs undertaken, as described in this report, were designed to test for the extensions of known fault-shear-veining systems containing gold occurrences located on claims L-1225703, L-1222121 and L-70694.

Overburden stripping, geology mapping, and channel sampling-assaying concentrated on areas on or proximal to the Timiskaming-Blake River unconformity. Four diamond drill holes totaling 701 metres were designed to test strike and dip extensions of known epithermal vein – shear systems. Drill hole MB07-11 intersected 8.3 gAu/t over 0.5m.

INTRODUCTION

The KLN property consists of 23 mining claims in Teck Township, Ontario, Canada of which Vault has registered title to 18 staked claims and mineral rights title for one patent claim. The four remaining staked claims have been under option to Vault from two vendors since December 11, 2006.

An overburden stripping, mapping & channel sampling program commenced in August 2007 concentrating on known shear structures proximal to the Timiskaming-Blake River unconformity. Shortly thereafter, a diamond drill program was undertaken in December 2007 targeting the projected strike and dip extensions of known epithermal-vein structures.

TERMS OF REFERENCE

This report is written by Daniel J. McCormack, who at the time of the exploration activities as outlined in this report, held positions as Vice President and Director of Vault.

The writer's involvement in the overburden stripping-mapping-channel sampling & diamond drilling programs included the supervision, collection of historical reports, data & maps, overseeing the transfer of data from paper-copy maps to digital format, interpretation of gold targets, design & implementation of the drill program, notifying surface rights owners of field activities, field locating drill collars, drill core logging, supervision of core sawing, chain of custody processing & sample delivery, assay analysis tracking and recording.

Map projections are in UTM, North American Datum 83, Zone 17 unless stated otherwise.

The report contains the following contractions; 'gAu/t'= grams gold per tonne, 'oz. Au/ton' = troy ounces gold per short ton, 'km' = kilometer, 'm' = metre, 'ft.' = foot, 'in.' = inch, 'MRO' = mineral rights only, 'SRO' = surface rights only, 'ddh' = diamond drill hole, 'Ma' = million years ago.

PROPERTY LOCATION AND ACCESS

KLN land tenure is provided in Table 1. The claims are located in northeastern Ontario, Teck Township, Larder Lake Mining Division, District of Timiskaming, NTS 42/01, see Figures 1 & 2. The claims are located within the Municipality of Kirkland Lake.

TABLE 1

Township	Mining Claim	Parcel	Tenure Type	Recorded Holder (Staked)
Teck	L-1222223		Staked	Vault
Teck	L-1227076		Staked	Vault
Teck	L-1227229		Staked	Vault
Teck	L-1227230		Staked	Vault
Teck	L-1239355		Staked	Vault
Teck	L-1242943		Staked	Vault
Teck	L-1242952		Staked	Vault
Teck	L-3003798		Staked	Vault
Teck	L-3007493		Staked	Vault
Teck	L-3010010		Staked	Vault
Teck	L-3010012		Staked	Vault
Teck	L-3010013		Staked	Vault
Teck	L-3013749		Staked	Vault
Teck	L-1199546		Staked	Vault
Teck	L-1199564		Staked	Vault
Teck	L-1199565		Staked	Vault
Teck	L-1225890		Staked	Vault
Teck	L-3004538		Staked	Vault
Teck	L-1222121		Staked	Marion
Teck	L-1226056		Staked	Marion
Teck	L-1225703		Staked	Boyce
Teck	L-1226055		Staked	Boyce
	22			
Teck	L-70694	9164 CST	Patent-MRO	

Access to the property is gained by Goodfish (Airport) road, Foss Lane and Transmission Line roads that transect the property. Trails from these vehicular routes allow for further access to the west and east regions of the property.



FIGURE 1

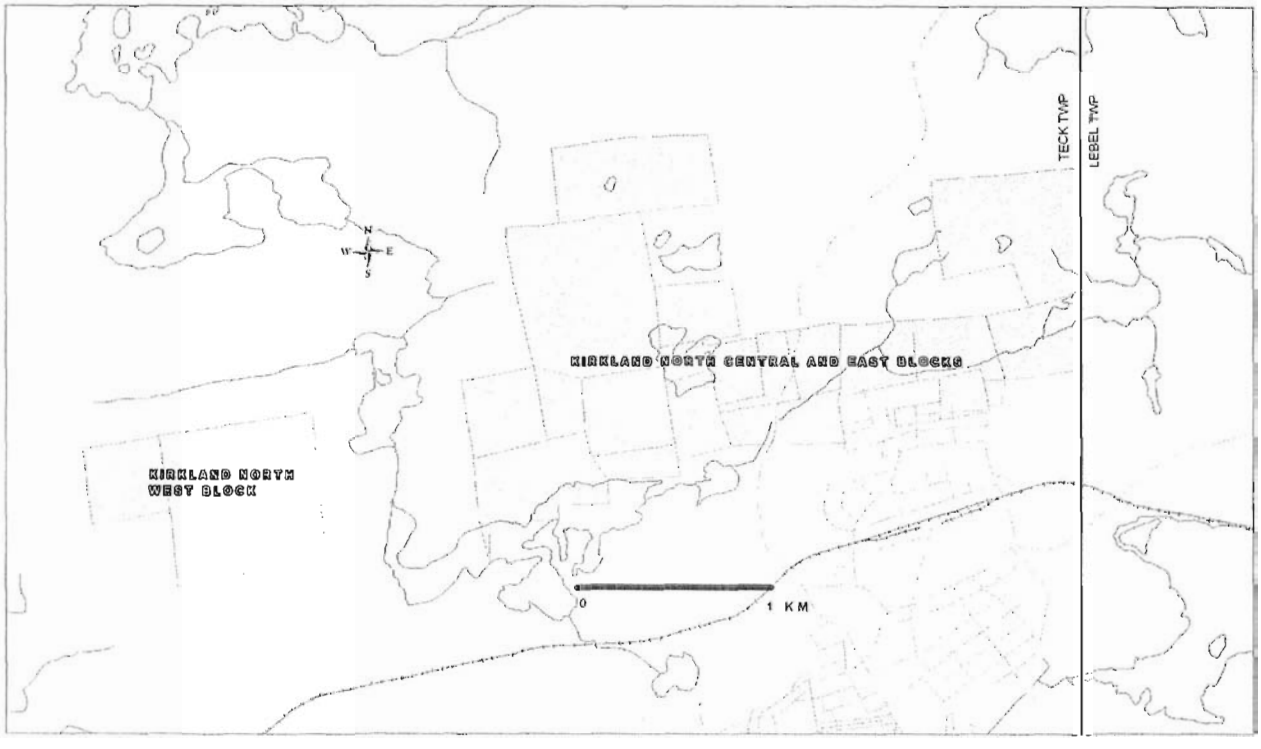


FIGURE 2

GEOLOGICAL SETTING

General geology, deformational fabrics and 'ore-controlling faults' are best described by an Ontario Geologic Survey Open File Report[1] pages 53 to 125 entitled 'Teck Township Transect'. A Teck Township regional geology map[2], (1 in. to 1,000 ft. scale) and a 1:500 scale map[3] provide observed & interpreted lithology and general structural data on the property.

The property is underlain by Blake River Assemblage tholeiitic, pillowed mafic volcanic rocks (2704 to 2701 Ma[4]), diorite and Timiskaming conglomerate & sandstone & volcanic tuffs (2676 to 2670 Ma), and syenite intrusives (2695 to 2670 Ma).

HISTORICAL WORK

West Block Exploration History (Claims L1227230 & L3007493)

1926-27 Columbus Kirkland Gold Mining Company

A shaft was developed on claim L-1227230 in two stages to 50 feet on what appears to be a narrow confined quartz vein. There are no further records of this work.

1989 Trinity Exploration and Tundra Gold Mines

Geophysics surveys – airborne and ground magnetic & VLF-EM over claim L-1227230 and four bordering claims to the north and east. Some drilling on an identified shear returned no significant results.

2002 Diamond Lake Resources Inc.

Limited prospecting program on West, Central and East Blocks (does not include M-B property).

2004 Zenda Capital Corp.

Limited prospecting program on West, Central and East Blocks (does not include M-B property).

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1 Ontario Geological Survey. Open File Report 6159. "Geology, Structure and Gold Mineralization, Kirkland Lake and Larder Lake Areas (Gauthier and Teck Townships): Discover Abitibi Initiative." 2005.

2 Ontario Department of Mines. Vol. LVII, Part V, Jas.E. Thompson. "Geology of Teck Township and the Kenogami Lake Area, Kirkland Lake Gold Belt. 1948. Map No. 1945-1.

3 Original plans on 1:500 scale linens located in the Ministry of Northern Development & Mines Office, Kirkland Lake, Ontario. Possibly authored by A. MacLean and assistants, circa 1937 and 1938.

4 Revised stratigraphic nomenclature and age. Ontario Geological Survey. Open File Report 6154. "Overview of Results from the Greenstone Architecture Project: Discover Abitibi Initiative". 2005.

2006 Vault Minerals Inc.

Ground geophysics (magnetometer & VLF-EM), MMI soil survey and field mapping. MMI anomalies were identified, however later examination of cultural effects discounted two anomalous areas due to tailings contamination.

Central & East Blocks Exploration History

1919–1940 Federal Kirkland Mine

Underground development commenced in 1919 and over the next twenty years a shaft was developed to 740 feet with drifting on the 200 and 700 ft. levels. Exploration crosscuts from the Sylvanite and Toburn Mines on the 1090 ft. and 2475 ft. levels provided underground drilling platforms and exposure of structures for mapping.

1979-1988 Lampe Resources/ Goldhunter Exploration

Surface trenching, mapping & channel sampling were completed on the Federal Veins. Goldhunter completed twenty-seven drill holes focused on the Federal Veins and southern contact of the Vindicator Porphyry. Several small programs by others were completed during this timeframe with the focus on the known Federal Veins.

1985-1987 Newfield Minerals Inc.

Newfield completed nine drill holes on claims L-1222121, L-1226055, L-1226056 with drill logs and records missing for six of these nine drill holes. Of interest, N-86-27 intersected a sericitized tuff with abundant quartz veining and the presence of a 'black mineral'. The section was not assayed and the core is no longer available for examination. In addition N-86-26, N-86-31, N-86-33, N-86-34 were undertaken to test a NNE trending shear zone with N-86-26 intersecting 17.1 gAu/t over 0.34 m. Newfield's drilling also discovered the Brown Altered Zone ("BAZ") approximately 100 m south of claim L-70694 highlighted by drill hole N-85-17 providing 27.1 gAu/t over 0.79 m.

2000 – 2006 M-B Property

Historical work on the M-B property is best described under two separate areas; a) Boyce vein and b) Marion vein.

From June to August 2000, Erle Boyce cored an 81.6 m drill hole[5] to test for gold potential at the Timiskaming sediment and Blake River Lower Unit volcanic unconformity. The drill hole was extended sometime thereafter to 114.6 m where the drill hole intersected (from 81.6 m to 88.7 m) a sheared-breccia pillow volcanic, with

5 Drill hole was drilled by Erle Boyce (originally called 20-1), now called T1-2000. First 81.6 m was logged by Len Cunningham. Drill core diameter is 2.1 cm (EXT size core). All core samples were submitted by Erle Boyce to Swastika Laboratories Ltd.

sericite alteration[6], quartz-ankerite veining and pyrite-molybdenite-graphite mineralization. Within this zone, from 87.5 to 88.7 m, a core assay of 22.6 g Au/t[7] over 1.2 m was returned. Subsequent stripping discovered the Boyce vein, quite separate from the sheared-breccia zone that returned the aforementioned gold assay in drill hole T1-2000. On surface, the Boyce vein is exposed for a 40 m strike length, is <1 m in width and is characterized by white to blue-grey quartz veining containing <1% disseminated pyrite with graphite or molybdenite. Surface grab sampling by Vault in September 2006 returned gold concentrations ranging from 0.6 to 3.2 g Au/t.

Between July 29 and August 14, 2006 Erle Boyce cored a 78 m 'scissor hole', identified as G06-01[8], to drill hole T1-2000. G06-01 was designed to test the Boyce vein as well as the breccia zone. In this hole the Boyce vein returned a value of 1.5 g Au/t over 0.57 m and terminated in a 'Fe-Dolomite Alteration Zone' with no significant gold values obtained from sampled/assayed core. In 2005, a 2.5 km total field magnetic survey was completed (D. Robinson[9]) on claim L-1222121 on a field grid possibly cut in the same year. A VLF survey was completed claims L-1225703 and part of L-1226055 by Eric Marion however dates are not provided on maps generated. In 2005/06 surface stripping[10] of an approximate 40 m by 20 m area was conducted over the Marion Vein. At the south end of the strip area, the vein is approximately 2 m wide for 4 m of strike length before weakening into a series of 0.15 m wide shears that trend NNE in a diverging network pattern. Surface sampling/assays, if any, have not been documented on this vein.

2004 Zenda Capital Corp.

Two drill holes were completed on claim L-1222121 with drill hole ZKL04-01 intersecting 15.7 gAu/t over 1 m. Zenda also cored holes on the Federal Kirkland property in the same timeframe but the drill-logs have not been made available or have been lost. Zenda, in their quarterly reporting, reported that drilling was undertaken on the Federal Kirkland property but collar locations & results cannot be corroborated without drill-log data & assay certificates.

2005 Aurora Larder

Federal Vein channel sampling/assaying with similar gold values to historic sampling.

2006 Vault Minerals Inc.

Ground geophysics (magnetometer & VLF-EM), MMI soil survey and field mapping. MMI anomalies were identified. No follow-up work has been undertaken on the anomalies identified.

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6 The Blake River mafic volcanic unit was originally logged as Timiskaming sediments.

7 Sample analysis by Swastika Laboratories, 1 Cameron Ave., P.O. Box 10, Swastika, ON P0K 1T0.

8 Drill Contractor was Erle Boyce. Core size AQ (thin wall). Core logging by Doug Robinson, P.Eng.

9 Douglas Robinson, P.Eng. "Goodfish BET Property, Magnetic Field Strength Survey". June 2005.

10 Surface stripping by Tom O'Connor, 14-150 Burnside Dr., Kirkland Lake, ON.

2007 Vault Minerals Inc.

Vault completed a six drill hole program totaling 685 m of coring on claims L-1225703 and L-1222121 designed to test the Boyce Vein, hanging wall Breccia Zone from which T1-2000 returned 22.6 gAu/t over 1.2 m and the Marion Vein. Drilling provided the geometry and gold mineralization of the Boyce & Marion Veins and to a lesser extent of the Breccia Zone. There were no values of economic significance returned from this drilling. It was recommended that a follow-up program be undertaken to test the strike/dip of the structures controlling these vein systems. Overburden stripping/mapping/sampling was also recommended for the Breccia Zone to gain a better understanding of mineralization control.

2007 OVERBURDEN STRIPPING-MAPPING-CHANNEL SAMPLING

In August 2007 Vault commenced an overburden stripping & washing program in attempts to identify mineralized structures proximal to the Blake River-Timiskaming unconformity, to study controls of gold mineralization in the Boyce Breccia Zone and to map the strike extension of the Boyce vein. Four stripped areas were identified as TR07-1 to TR07-4. Geology mapping[11] ensued and locations for the individual channel samples were identified. A total of 162 channel samples were cut[12] & extracted using a rock saw with diamond blade and chisel[13] and ten grab samples were taken. Samples were submitted to ALS Chemex for analysis.

Geology and channel sample information, including assay results, were transferred into digital data for map generation.

2007 DIAMOND DRILL PROGRAM

In December 2007, Vault commenced a diamond drill program comprising of four diamond drill holes for a total of 701 m[14]. Drill collars were located using a combination of existing field grid, surveyed historic drill collars, landmarks and claim posts. Drill hole collar details and final lengths are provided in Table 2. This program was designed to find strike extensions of the Boyce and Marion shear-vein mineralized systems and possible mineralized structures associated with the Blake River-Timiskaming unconformity and other structures parallel to the Lake Shore & Lake Shore #5 faults.

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11 Warren Wade, 5705 34 B Avenue, Delta B.C, V4L 2P1.

12 Tom O'Connor, 14-150 Burnside Dr., Kirkland Lake, ON.

13 Jon Hall 1341 Hwy 66 Eby Twp, ON.

14 Rick Yost Diamond Drilling, 1001 Hwy 66, ON

TABLE 2

Drill Hole	NAD83 UTM N	NAD83 UTM E	Elevation (m)	Azimuth	Dip	Length (m)
MB07-08	571592	5335005	320	315	-45	269
MB07-09	571313	5334839	315	305	-50	200
MB07-10	571418	5334960	315	315	-60	131
MB07-11	571246	5335137	320	125	-45	101

OBSERVATIONS

Overburden Stripping-Mapping-Channel Sampling

TR07-1- Timiskaming conglomerate with confined, narrow ductile shears trending 050 to 060 and 040 azimuth. The Timiskaming-Blake River unconformity in this area was not uncovered. No significant assays were obtained.

TR07-2 – Timiskaming conglomerate with a narrow shear zones trending 050 to 060 azimuth. The Timiskaming-Blake River unconformity in this area was not uncovered. No significant assays were obtained.

TR07-03 – Lower Blake River pillowed volcanic-flow top breccias & syenite, Timiskaming conglomerate-wacke. Ductile-brittle structures trending 060-070 and 030-040 azimuth. Boyce epithermal vein-shear was exposed for approximately 60 m with the best channel sample result assaying 1.02 gAu/t over 0.85 m. Approximately 21 m east of the Boyce Vein another weak, <0.5 m wide brittle-ductile shear system was found trending 025 azimuth having 'streaky quartz'. Best result from this system assayed 0.52 gAu/t over 0.9 m. Of significance, this zone may correlate with the gold intersection obtained in DDH T1-2000 where 22.6 gAu/t over 1.2 m was encountered.

The best assay channel sample result, 7.88 gAu/t over 0.55 m, was obtained in what has been interpreted as a flow top breccia-pillowed volcanic contact proximal to the Timiskaming-Blake River unconformity. Other channel samples taken in the flow top breccia unit contained elevated but low gold concentrations (0.12 gAu/t over 0.5 m to 0.45 gAu/t over 0.9m).

TR07-04 – Timiskaming mafic syenite. Overburden stripping at this site was limited to the depth of overburden. Grab samples revealed no significant gold assays.

December 2007 Diamond Drilling

MB07-08 – drill targets included contact zones between Timiskaming syenite-sediments, Lakeshore Fault, Timiskaming-Blake River unconformity, NE strike extension of the Boyce Vein. At 134.8 to 135.8, quartz-ankerite-sericite zone was encountered having 5% pyrite and returned values of 0.82 gAu/t over 0.85 m. The intersection was located in Blake River volcanics east of the projected extension of the Boyce vein structure. Other shear-fault zones were intersected further down-hole with no significant gold concentrations obtained.

MB07-09 – drill targets included Timiskaming-Blake River unconformity, SW strike extension of Marion epithermal vein-shear zone. Both targets were encountered with no significant gold assays obtained.

MB07-10 – drill targets included Timiskaming-Blake River unconformity, SW strike extension of the Boyce Vein & flow-top breccia zone. The unconformity and a moderate fracture zone (possibly representing the extension of the Boyce structure) were intersected. No significant gold assays were obtained.

MB07-11 – drill targets focused on the down dip extension of 15.7 gAu/t over 1 m intersected in DDH ZKL04-01. From 60.5 to 61, 8.36 gAu/t over 0.5 m was obtained from a quartz vein (10 cm wide) that contained 15% pyrite and minor molybdenite and is located 25 m down-dip from ZKL04-01 intersection.

CONCLUSIONS/RECOMMENDATIONS

As provided in drill holes MB07-02 to 10, the Boyce and Marion vein systems are steep dipping, narrow (<1.5 m width) shear zones that run sub-parallel (025 to 035 azimuth) to that of the Lake Shore fault. It is not clear if the shear-veins are truncated along strike at the Blake River-Timiskaming unconformity. The strike of these veins appear to be limited as provided in MB07-08 to 10, however deeper testing of the projected strike extensions (>100 m depth) may prove otherwise. The unconformity remains a valid target along strike given the BAZ zone discovery & channel sample assay obtained in trench TR07-03.

The KLN property has other shear-fault structures, most notable of these being the Federal-Kirkland shaft vein (claims L-1222223 & L-1199565) and vein occurrences intersected by Newfield-Zenda drilling (claim L-1222121). The structures occur in both the Timiskaming & Blake River assemblages.

Given the aforementioned, the following is recommended;

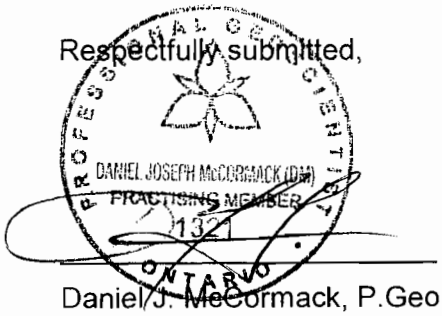
• Explore the down dip and strike potential of gold intersections found in drill holes ZKL04-01 and MB07-11 returning 15.7 gAu/t over 1 m and 8.36 gAu/t over 0.5 m respectively.

• Examine historical data to identify other NNE (020 to 040 azimuth) trending structures through the KLN property.

• Evaluate the possibility of an up-dip trend of the Brown Altered Zone ("BAZ")[15] and the quartz zone, onto the KLN property, starting from the 3500 Level at the Lakeshore Mine.

• Review the economics at testing the plunge of Federal-Kirkland epithermal vein-shear system.

Respectfully submitted,



Daniel J. McCormack, P.Geo

Kirkland Lake, Ontario

15 Newfields Minerals Inc. discovered the BAZ in 1980's

STATEMENT OF QUALIFICATIONS

I, Daniel J. McCormack, of the TOWN of KIRKLAND LAKE, in the PROVINCE of ONTARIO, hereby certify:

I am a geologist and currently a director and an officer of Vault Minerals Inc. with the position of Vice President operating out of Vault's Kirkland Lake Office.

I am an Insider of Vault as per the Ontario Security Commission definition.

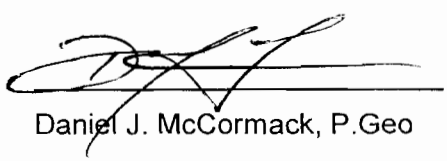
I graduated from the University of Waterloo, H.BES in 1984.

I have practiced as an exploration or mine geologist from 1984 to 1993 and from 2001 to present with experience that has included design, implementation & management of grassroots to advanced exploration programs and as part of mine production operations in Canada.

I am currently registered as a professional geoscientist (membership number 1321) with the Association of Professional Geoscientists of Ontario (APGO).

This report is based on a study of all information made available to me, both published and unpublished, and on information collected in the field by me during the period October 2006 to January 2008.

Dated in Kirkland Lake this 7 day of June 2008.



Daniel J. McCormack, P.Geo

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APPENDIX A
DIAMOND DRILL CORE LOGS
LOG ABBREVIATIONS

Hole_ID	Project	East_UTM	North_UTM	Elevation	Azimuth	Dip	Length	Units
MB07-08	KLN	571592	5335005	320	315	-45	269	m
MB07-09	KLN	571313	5334839	315	305	-50	200	m
MB07-10	KLN	571418	5334960	315	315	-60	131	m
MB07-11	KLN	571246	5335137	320	125	-45	101	m

Hole_ID	Core_Size	Casing	Cap	Target_1	Target_2	Logged_By	Start_Date	Finish_Date
MB07-08	NQ	Y	Y	BV/BX	Unconform	M.Sutton	1-Dec-2007	8-Dec-2007
MB07-09	NQ	Y	Y	Marion	Unconform	M.Sutton	10-Dec-2007	15-Dec-2007
MB07-10	NQ	Y	Y	BV		D.McCormack	17-Dec-2007	20-Dec-2007
MB07-11	NQ	Y	Y	ZKL04-01		M.Sutton	21-Dec-2007	22-Dec-2007

Hole_ID	Country	Province	Twp	NTS	Claim			
MB07-08	Canada	ON	Teck	42/01	1226055 / 1225703			
MB07-09	Canada	ON	Teck	42/01	1225703 / 1222121			
MB07-10	Canada	ON	Teck	42/01	1222121 / 1225703			
MB07-11	Canada	ON	Teck	42/01	1222121			

Hole_ID	Depth	True_Azimuth	Dip
MB07-08	200	315.00	-40.00
MB07-09	188	305.00	-41.00
MB07-10	130	315.00	-54.00
MB07-11	110	125.00	-45.00

Hole_ID	From	To	Lith 1	Lith 2	Lithology Name	Colour1	Colour2	Grain Size 1	Grain Size 2	Description
MB07-08	0.00	4.05	100		Overburden					
MB07-08	4.05	7.60	13e		Augite Syenite	drab reddish brown	green chl flecs	med	coarse	strong foliation fabric at 60 deg;narrow 1 to 4 cm syenite dykelets at 4.7 and 5.7;faric due to proximity to strong fault found at 6.5 to 7.6 (possibly LakeShore Fault); poor recovery around fault possibe 0.6 m lost; no mineralization
MB07-08	7.60	7.93	13a		Lamprophyre Dyke	pale grey	dk chl flecs	fine	med	
MB07-08	7.93	13.40			Bimodal Augite Syenite	pale red/grey	white/orange feldspar phenocrysts			from 8.07 to 8.43 hematite or K-spar altered dyke (orange-red) with numerous qtz network stringers, no mineralization; remainder of unit is characterized by a fine grained matrix with plagioclase phenocrysts (medium to coarse grained) and chloritized augite prismatic flecs; non-magnetic; weak to moderate foliation fabric 40 to 50 deg; overall blocky ground.
MB07-08	13.40	13.45	2s		Mafic Dyke					
MB07-08	13.45	33.80			Bimodal Augite Syenite					as with 7.93 to 13.4
MB07-08	33.80	39.60			Bimodal Augite Syenite	pale grey	white/orange feldspar phenocrysts			as with 7.93 to 13.4 but having a strong penetrative shear fabric at 60 deg; pervasive chlorite; non-magnetic; 34.14 to 34.18 mafic dyke chloritic; trace pyrite mineralization in discontinuous qtz sweas/stringers near Tuff contact
MB07-08	39.60	44.00	5f		Tuff	brown green	dk green/pale grey	fine	med	strong foliation fabric at 45 deg; resemblesa Crystal Tuff in sections with feldspar & plagioclase phenocrysts; pervasive weak sericite, chlorite and minor chrome mica; contacts have qtz-ank-kspar veining and /or brecciation;42.56 possible narrow, orange syenite dyke with hairline qtz stringers; no mineralization.
MB07-08	44.00	56.60	8a		Conglomerate	dark green	light green			strong, ductile foliation fabric with deformed clasts at 45 deg; jasper pebbles; pervasive sericite/chlorite/minor chrome mica (fuchsite) along bedding planes; trace fine grained pyrite; at 45 possible narrow, orange syenite dykelets with hairline qtz stringers.
MB07-08	56.60	60.80	6b		Greywacke	med grey		fine		fine-grained, homogeneous; jasper noted; 1"mud gouge flt@30@59.1; not competent, bedding @40
MB07-08	60.80	63.25	8a		Conglomerate	dark green	light green			strong, ductile foliation fabric with deformed clasts at 45 deg; jasper pebbles; pervasive sericite/chlorite/minor chrome mica (fuchsite) along bedding planes; trace fine grained pyrite;
MB07-08	63.25	63.75	5f		Tuff	buff	yellow	fine		ser'd, chl'd, +ank blebs, shr'd
MB07-08	63.75	67.55	8a		Conglomerate	dark green	light green			strong, ductile foliation fabric with deformed clasts at 45 deg; jasper pebbles; pervasive sericite/chlorite/minor chrome mica (fuchsite) along bedding planes; trace fine grained pyrite; V str fault @66.9-67.3
MB07-08	67.55	71.60	5g		Tuff	buff	pale brown	med		bedding (?) @34; 30%red-brown lapillis
MB07-08	71.60	90.20	2b		Mafic Volcanics-pillowed	med green		fne		pillow selvages are sheared into yellow cherty zones; leucoxene; v highly sheared @ 83.0-90.2 w abundant chl+q-ank; Str Flt @83.0
MB07-08	90.20	91.70	2a		Mafic Volcanics-massive	pale green				ser'd, shr'd; chl+ank veins ~10%; pa. grey chl-ank-sil'n(?-not hard though, and not carb'd) oveprint alternating with ser'd areas; otherwise f.g.mafic volc
MB07-08	91.70	91.80	6e		graphite	black		fine		with 20% bx frag's; no bedding; no py
MB07-08	91.80	95.70	2a		Mafic Volcanics-massive	pale green				ser'd, shr'd; chl+ank veins ~10%; pa. grey chl-ank-sil'n(?-not hard though, and not carb'd) oveprint alternating with ser'd areas; otherwise f.g.mafic volc
MB07-08	95.70	98.10	2h		Mafic volcanics-amygdular	pale grey				pale grey alt'n (sil'n/chl?) with 2% spherule-shaped 1/8" ank-chl filled amygs?;
MB07-08	98.10	109.00	2a		Mafic Volcanics-massive	pale green				98.1-101.0 is tuff-like with aternating 1"grey bands (chl shr'd) and leucoxene(?) bands; otherwise rare ank-qtz veins to 1/2"; peak ser'd @106.55-108.5
MB07-08	109.00	128.00	2a		Mafic Volcanics-massive	med grey				increasing leucoxene+magnetic dowhole (after 113.0);10%bull qtz-ank veins @ 109.0-114.0@45; leucoxene in fresher dark grey mafic volc.@50
MB07-08	128.00	130.20	2c		Mafic volcanics-flow breccia	med grey	dark green			flow-top breccia with 40% matrix; attenuated frag's to 1" wide@50; rare loc'y conc. Py
MB07-08	130.20	155.00	2a		Mafic Volcanics-massive	med grey				134.6-146.0 is non-magnetic, ser'd, chl'd, with 3% qtz-ank vein with up to 5% f.diss. Py (&cse diss py); leucoxene in fresher dark grey mafic volc.
MB07-08	155.00	171.18	2b		Mafic Volcanics-pillowed	dark grey	dark green	aph		no leucoxene; highly magnetic; non cb'd; locally ser'd; rare carb veins+hairline fractures; epid'd selvages increasing downhole; dark grey qtz vein@158.0-158.5 with rare py
MB07-08	171.18	171.55	13k		Gabbro	dyke	dark grey	med		50% 1/8" feld pheno's; fresh; with 20% attenuated volcanic xeno's; all@72
MB07-08	171.55	263.25	2b		Mafic Volcanics-pillowed	dark green		aph		no leucoxene; highly magnetic to nat undulatory contact @60@181.2 (dark grey then med green), and @248.8-257.5(then highly bl'd) ; highly cb'd; locally ser'd; rare carb veins+hairline fractures; epid'd selvages increasing downhole; dark grey qv with 30%ser(selvages)+10% cse py loc'y conc. @ 171.9-172.35; rare-3% cse diss py in carb-qtz selvages+-hyaloclastite
MB07-08	263.25	266.20	13a		Lamprophyre Dyke	ed grey		med		25%1/8"pale green augite phenos in med grey matrix; bl'd to buff initially-freshening up after264.0; raft of pillowed volc.@ 265.0-265.2; several 1/4"red and pa green pheno's/xeno's; highly crb'd; shrp nat ct's @ 72 and 59 respectively

MB07-08	266.20	269.00	2b		Mafic Volcanics-pillowed	dark green		aph		no leucoxene; highly magnetic; highly cb'd; locally ser'd; rare carb veins+hairline fractures; epid'd selvages
MB07-09	0.00	5.50	100		Overburden					
MB07-09	5.50	14.05	8a		Conglomerate	dark green				strong, ductile foliation fabric with deformed clasts at 50 deg; jasper pebbles; pervasive sericite/chlorite along bedding planes; plymictic, porrly-sorted; attenuation 5:1; B.C. throughout; non cb'd
MB07-09	14.05	23.70	6b		Greywacke	med grey		med		fine-grained, homogeneous; jasper noted; bedding @50; str fol'n; non cb'd; highly mag @23.5-23.7; shrp nat ct's @36&50
MB07-09	23.70	79.25	8a		Conglomerate	dark green				strong, ductile foliation fabric with deformed clasts at 50 deg; jasper pebbles; pervasive sericite/chlorite along bedding planes; plymictic, porrly-sorted; attenuation 5:1; B.C. throughout; non carbonitized; highly mag @23.7-25.0; B.C.to 25.7-then more competent downhole; rare pebbles that are magnetic;76.7 -77 finer grained, brown matrix, sericitized, jasper flecs
MB07-09	79.25	96.35	8b		Wacke	grey green	light green	aphanitic	fine	variable colour given alteration proximal to shear/faults;shear planar fabric is 50 to 60 degrees; fracturing common with 5 to 20% quartz-ankerite-minor calcite filling and trace pyrite, disseminated, fine grain;non-magnetic; pervasive chlorite alteration with occasional sericite sections along bedding planes and pervasive; siliified sections giving a lightbrown/cream colour but lacks mineralization; 8833 to 88.36 possible lamprophyre.
MB07-09	96.35	104.90	8a		Conglomerate	mauve	dark green	med	coarse	differentiated from above unit by colour and medium grain matrix with streched pebbles; non-magnetic; minor fractures with quartz
MB07-09	104.90	114.25	8b		Wacke	grey green	grey	fine	med	as with 79.25 to 96.35; bedding / foliation fabric at 45 degrees; 111.4 to 112.4 silicified sections
MB07-09	114.25	116.37	8a		Conglomerate	dark grey	brown	med	coarse	
MB07-09	116.37	125.90	8b		Wacke	grey green	grey	fine		
MB07-09	125.90	126.66	13a		Lamprophyre	light green		med		mottled texture, med grained chl streaks, in a light green matrix
MB07-09	126.66	153.20	8b		Wacke	med green	mauve grey	fine		planar bedding/foliation at 40 to 45; pervasive chlorite, non-carboitized, non-magnetic; alternating sections of mauve grey to medium green colour; some late brittle fracturing with bull-white quartz;at 148 to 153.2 unit becomes pervasively sericitic, with increasing quartz-ankerite veining with graphite near Blake River Volcanic contact
MB07-09	153.20	153.40	2a		Mafic Volcanic	light green		aphanitic		Blake River - Timiskiming unconformity - heavily faulted
MB07-09	153.40	153.60	6e		Graphitic Argillite	black		aphanitic		broken unit along slips- poor recovery
MB07-09	153.60	154.00	2a		Mafic Volcanic	light green				
MB07-09	154.00	158.00	6e		Graphitic Argillite	black				Poor Recovery - heavily faulted- sheared; at 155 to 155.15 section of 2a
MB07-09	158.00	160.50	2a		Mafic Volcanic	light green				narrow <5 cm sections of graphite at 158.3 & 158.51
MB07-09	160.50	161.44	6e		Graphitic Argillite	black				
MB07-09	161.44	166.95	2a		Mafic Volcanic	medium grey-green		aphanitic	fine	
MB07-09	166.95	167.90	2a		Marion Vein	medium grey-green		aphanitic		identified only by concentrated shearing/brittle fracturing with sericite-chlorite and quartz-ankerite veining, minor diss fine grain pyrite
MB07-09	167.90	170.00	2a		Mafic Volcanic	medium grey-green		aphanitic		
MB07-09	170.00	170.95	2a		Marion Vein	light green		aphanitic		identified only by brittle fracturing, sericite-chlorite alteration, quartz-ankerite veining, trace pyrite
MB07-09	170.95	200.00	2b		Pillow Volcanic	medium grey-green	green	aphanitic	fine	texture changes from leucoxene flecs to mottled due to pervasive chlorite and white carbonate; predominantly non-magnetic becomes somewhat magnetic around 198 for a short section; some pillow selvages have quartz-carbonate veinng with epidote; quartz-carb-ank veining occuring occassionally and may be veining anastomosing or networking from the Marion Vein structure albeit at low angles to core and along selvages.
MB07-10	0.00	10.06	100		Overburden					
MB07-10	10.06	18.90	6b		Wacke	grey green	pale green	fine	medium	multiple cycles of fine to medium grained wacke units, some with conglomerate sized pebbles, mostly gritty texture with tuffaceous appearance; strong foliation at 40 deg to core axis;non-magnetic, not carbonitized but pervasive to localized chlorite; 10.27 to 11.1 light beige albite? silica hard alteration, no mineralization;
MB07-10	18.90	18.94	13e		Syenite	mauve		fine	medium	

MB07-10	18.94	44.00	6b		Wacke	grey green	pale green	fine	medium	as with 10.06 to 18.9;from18.94 to 19.8 slight mauve colouration may be due to syenite dyke effect; from 22 to 44m unit is a monotonous succession of fine to coarse grained wacke with foliation at 55 to 60 deg with rare stringers
MB07-10	44.00	55.70	6a		Conglomerate	grey	pale green/grey	medium	coarse	possible basal grit unit; sub-rounded to sub-angular pebbles in a medium grained gritty matrix; strong foliation at 50 to 60 degrees
MB07-10	55.70	65.04	6b		Wacke	light grey	pale green	fine	medium	from 55.7 to 57.85 strongly sheared with ser-chl alteration; mineralized with fine pyrite from 57.25 to 57.75; after 58 succession of fine to medium grain wacke unaltered
MB07-10	65.04	66.57	13a		Lamprophyre	medium grey		medium		
MB07-10	66.57	71.10	6b		Wacke	light grey green		fine	medium	
MB07-10	71.10	71.15	13e		Syenite	light grey		medium		sericite in fractures; feldspar phenocrysts
MB07-10	71.15	73.97	6b		Wacke	light grey green		fine	medium	
MB07-10	73.97	74.48	13a		Lamprophyre	light grey		fine	medium	fine blades of chloritized biotite; finey fractured with sericite/chlorite
MB07-10	74.48	74.73	6b		Wacke	grey-green		fine		
MB07-10	74.73	74.82	13a		Lamprophyre	light grey		fine	medium	
MB07-10	74.82	79.00	6b		Wacke	medium grey	olive green	aphanitic	fine	from 75.2 to unconformity-fault localized sections of brittle fracturing with different generations of quartz-akerite-albite-chlorite veining, overall approximately 10%; best section from 75.2 to 77.2 with 25% qtz-ank-albite-chlorite veining and with a purple coloured quartz vein 2 cm wide at 76.88m with pyrite and a chloritic fault-breccia zone at 77.12 with a splash of chalcopyrite; unit is non-magnetic and not carbonitized.
MB07-10	79.00	117.06	2b		Mafic Volcanics-pillowed	dark green	pale green	aphanitic		non-magnetic unit except between 87 to 97 and 155.5 to 117 where magnetite is seen around pillow selvages that have qtz-carb-epidote vein emplacement or pervasive magnetite; moderate to strong pervasive carbonate alteration; late quartz-carbonate-epidote veining-fracturing preferring pillow selvages sometimes with trace py and minor hematite, from 98 to 114 approx. 20% qt-carb-epidote veining in selvages and in brittle fractures that are widely spaced, localized & contained to 0.1 to 0.5 metre sections Boyce Vein Structure may be at 103.9 to 104.4 or at 110.7 to 111m.
MB07-10	117.06	117.10	2s		Dyke	lime green		medium		
MB07-10	117.10	131.00	2b		Mafic Volcanics-pillowed	medium green	dark green	aphanitic		weakly magnetic in localized sections, weak to moderate carbonitization with chl-epidote-carb-qtz in selvages and localized fracturing no greater than 0.5 m wide
MB07-11	0.00	3.05	100		Overburden					
MB07-11	3.05	9.05	13c		Diorite	medium grey-green		med		30% pa olive green saussertized feldspars +15% black mafic phenos-pyrox in gey matrix; fresh; rare 1/8"-1/4"qtz-ank veins @70; locally not competent-BC common; wy mag
MB07-11	9.05	11.75			Feldspar Porphyry Dyke	med grey		med		chilled natural margins @60; highly mag; 15% wt-pk feld+5%black pryrox phenos in matrix similar to diorite; cut by epidote zone with 0.10m bull qtz-ank vein @75@10.4-10.6; rare py
MB07-11	11.75	22.95	13c		Diorite	medium grey-green		med		30% pa olive green saussertized feldspars +15% black mafic phenos-pyrox in gey matrix; fresh; rare 1/8"-1/4"qtz-ank veins @70; locally not competent-BC common; wy mag
MB07-11	22.95	24.20			Feldspar Porphyry Dyke	med grey		med		chilled natural margins @25 & in BC; non-mag; 20% wt-pk feld+5%black pryrox phenos in matrix similar to diorite; rare py
MB07-11	24.20	25.55	2a		Mafic Volcanic	medium grey-green		aphanitic		aph; 20% carb veins; 1% f diss py; ser'd locally; BC common-at least 1" bullish vuggy wt qv in BC; non-mag; shrp nat ct @25.55@12
MB07-11	25.55	28.15	13c		Diorite	medium grey-green		med		30% pa olive green saussertized feldspars +15% black mafic phenos-pyrox in gey matrix; fresh; rare 1/8"-1/4"qtz-ank veins @70; locally not competent-BC common; wy mag
MB07-11	28.15	29.65	13a		Lamprophyre Dyke	pale grey	dk chl flecs	fine	med	1-2% v f diss py; q-ank str's @ 29.2-29.5@40&@80;25% pa green augite phenos@35 attenuated; shrp nat ct's @22&@80; non mag
MB07-11	29.65	46.60	13c		Diorite	medium grey-green		med		30% pa olive green saussertized feldspars +15% black mafic phenos-pyrox in gey matrix; fresh; rare 1/8"-1/4"qtz-ank veins @70; locally not competent-BC common; wy mag
MB07-11	46.60	101.00	2b		Mafic Volcanics-pillowed	med green	dark green	aph		local leucoxene; non magnetic to 57.5-then locy highly mag to EOH; non cb'd; locally ser'd; rare carb veins+hairline fractures; epid'd selvages; Zenda vein @60.7-60.8 (15%cse py); indistinct ct @ 46.6-possibly @70; flow-top bx@49.7-50.2; hyalo @71.7-72.5; becomes pa gn-ser'd after 91.5

Hole_ID	From	To	Min_1	Type_1	Intensity_1	Min_2	Type_2	Intensity_2
MB07-08	24.50	25.00	hem	with veins	weak			
MB07-08	135.00	135.85	qtz-ank	veins	str	py	diss	5%
MB07-08	158.00	158.50	qtz	grey vein	str			
MB07-08	171.90	172.55	qtz-ser	grey vein	str	py	diss	8%
MB07-08	182.80	183.40	qtz-ank-spec	2 grey veins		py	diss	4%
MB07-08	226.40	226.60	shear	chl		py	diss	6%
MB07-08	246.30	246.34	qtz-ank	grey vein		py	diss	10%
MB07-08	262.05	262.20	qtz-ank	grey vein		py	diss	10%
MB07-08	262.80	262.95	qtz-ank	grey vein		py	diss	5%
MB07-09	120.10	120.40				py	diss	10%
MB07-09	153.20	158.90	graphite	slips-faults	strong	py	diss/fracture	3%
MB07-09	160.50	161.44	graphite	slips-faults	strong			
MB07-09	166.95	167.90	py	veins/fractures	3%			
MB07-09	170.20	171.00	py	diss veins	1%			
MB07-09	179.00	180.00	py	fractures	trace			
MB07-10	57.25	57.75	py	fractures	1%			
MB07-10	76.30	76.92	py	veins	1%			
MB07-10	77.12	77.19	cpy	vein	trace			
MB07-10	98.00	98.50	py	vein	trace			
MB07-11	55.60	55.61	qtz	grey vein		py	diss	5%
MB07-11	55.80	55.81	qtz	grey vein		py	diss	5%
MB07-11	60.70	60.80	qtz	wt vein	str	py	bleb	15%
MB07-11	76.30	82.00	qtz	5% grey veins	selvage	py	diss	3%
MB07-11	68.75	71.05	qtz-ank	5% grey veins				
MB07-11	98.08	98.48	ank-qtz-chl	vein		py	cse	10%

Hole_ID	From	To	Alt_1	Colour_1	Type_1	Intensity_1	Alt_2	Colour_2	Type_2	Intensity_2	Alt_3	Colour_3	Type_3	Intensity_3
MB07-08	4.05	7.60	chl	dk green	flecs									
MB07-08	33.80	39.60	chl	pale green	pervasive									
MB07-08	39.60	56.60	chl	dk green	pervasive/along slips	moderate	ser	yellow	pervasive/along slips	moderate	chrome mica	green	slips	weak
MB07-08	56.60	60.80	carb	wt	pervasve/hairline carb	str								
MB07-08	60.80	63.25	chl	dk green	pervasive/along slips	moderate	ser	yellow	pervasive/along slips	moderate	chrome mica	green	slips	weak
MB07-08	63.25	63.75	ser	buff	pervasive	str	ank	white	bleb	str	chl	dk green	slips	weak
MB07-08	63.75	66.90	chl	dk green	pervasive/along slips	moderate	ser	yellow	pervasive/along slips	moderate	chrome mica	green	slips	weak
MB07-08	66.90	67.55	chl	dk grey	pervasive	str								
MB07-08	67.55	71.60	ser	buff	pervasive	str	chl	dk green	pervasive/along slips	moderate				
MB07-08	71.60	83.00	ser	buff	pervasive	str	ank	white	veins	str	chl	dk green	slips	weak
MB07-08	83.00	90.60	chl	dk green	pervasive/along slips	moderate	ser	yellow	pervasive/along slips	moderate	ank	white	veins	str
MB07-08	90.60	94.50	ser	buff	pervasive	moderate								
MB07-08	94.50	95.80	ser	buff	pervasive	str	chl	dk green	pervasive/along slips	moderate	ank	white	veins	str
MB07-08	95.80	106.60	ser	buff	pervasive	weak								
MB07-08	106.60	109.00	ser	buff	pervasive	str	ank	pale gray	veins	str				
MB07-08	109.00	114.00	ank	wt	10% veins		leucoxene				chl	dk green	pervasive/along slips	moderate
MB07-08	114.00	128.00	leucoxene					dk green	pervasive/along slips	moderate				
MB07-08	128.00	130.20	chl	dk green	pervasive/along slips	moderate	ser	yellow	pervasive/along slips	moderate	ank	white	veins	str
MB07-08	130.20	145.70	ank	wt	30% veins		chl	dk green	pervasive/along slips	moderate	ser	yellow	pervasive/along slips	moderate
MB07-08	145.70	155.00	chl	dk green	pervasive/along slips	moderate	leucoxene							
MB07-08	155.00	159.00	ser	buff	pervasive	str	chl	dk green	pervasive/along slips	moderate	ank	white	veins	weak
MB07-08	159.00	258.50	chl	dk green	pervasive/along slips	moderate	epi	olive	on selvages		carb	pervasive/along slips		str
MB07-08	258.50	264.30	ser	buff	pervasive	str	ank	buff						
MB07-08	264.30	269.00	chl	dk green	pervasive/along slips	moderate								
MB07-09	5.50	24.50	chl	dk green	pervasive/along slips	moderate								
MB07-09	24.50	32.00	chl	dk green	pervasive/along slips	moderate	ank	white	veinlets	5%				
MB07-09	32.00	92.00	chl	dk green	pervasive/along slips	moderate								
MB07-09	95.40	95.90	sil	lt green	pervasive	strong								

MB07-09	111.40	112.40	sil	lt green	pervasive	strong								
MB07-09	148.00	153.20	ser	lt yellow-green	pervasive/slips	strong	ank	white	veins	20%	chlorite	dark green	slips/veins	moderate
MB07-09	153.60	154.00	ser	yellow-green	pervasive/slips	strong								
MB07-09	158.00	160.50	ser	yellow-green	pervasive	strong	qtz-ank	white	veins	50%	chlorite	dark green	slips/veins	moderate
MB07-09	160.50	171.00	ser	yellow-green	pervasive	weak	chl	dk green	fractures	weak				
MB07-09	173.30	173.70	sil	white	pervasive	weak	ank	beige		weak				
MB07-09	179.00	200.00	chlorite	dark green	slips/amygdules	moderate	epidote	lime green	selvages	weak				
MB07-10	10.27	11.10	silica	light beige	pervasive	strong	albite?							
MB07-10	49.60	49.80	ser	yellow-green		strong	chlorite	dk green		weak				
MB07-10	52.30	57.85	ser	yellow-green	fracture / pervasive	strong	chlorite	dk green	fractures	strong	ank	grey-white	fractures	moderate
MB07-10	67.97	68.14	sil	light grey	pervasive	moderate	chlorite	green	fractures	moderate	ser	yellow-green	fractures	moderate
MB07-10	75.20	77.17	sil		pervasive	weak	sericite	yellow green	fractures	weak	chlorite	dark green	fractures	weak
MB07-10	79.00	131.00	carb		pervasive	moderate								
MB07-11	3.05	10.4												
MB07-11	10.40	10.60	epi	olive green	pervasive	str								
MB07-11	10.60	24.80	chl	dk green	pervasive/along slips	moderate								
MB07-11	24.80	25.50	ser	pa green	pervasive/along slips	moderate								
MB07-11	25.50	70.15	chl	dk green	pervasive/along slips	moderate								
MB07-11	70.15	71.05	ser	pa green	pervasive-shr	moderate								
MB07-11	71.05	91.50	chl	dk green	pervasive/along slips	moderate								
MB07-11	91.50	101.00	ser	pa green	pervasive	moderate	chl	dk green	pervasive/along slips	moderate				

Hole_ID	From	To	Width	Fault_Type	Fault_Modifier	Fault_Intensity	Core Angle	Comments
MB07-08	6.50	7.60	1.10	LakeShore Fault	Breccia	Strong	35	possible 0.6 m lost core, calcite - ank- qtz veining ; breccia, gouge
MB07-08	8.00	9.30	1.30	Poor Recovery				possible 0.3 m lost core
MB07-08	23.06	23.06	0.00	Fault	Hairline		90	
MB07-08	32.44	32.80	0.36	Ground Core				possible 10 cm ground
MB07-08	36.22	36.23	0.01	Fault	Gouge			low angle, thin gouge
MB07-08	39.60	44.00	4.40	Ductile Shear			45	
MB07-08	44.00	44.02	0.02	Breccia	contact		20	contact Tuff/Conglomerate
MB07-08	44.00	47.80	3.80	Ductile Shear			45	
MB07-08	47.80	47.81	0.01	Fault	Gouge	Strong		
MB07-08	47.81	56.60	8.79	Ductile Shear			45	
MB07-08	59.05	59.10	0.05	Fault	Gouge	Strong	30	1"; no efect on wallrock
MB07-08	60.80	60.83	0.03	Fault	Gouge		40	in B.C.; 1/4"
MB07-08	63.25	63.30	0.05	Fault	Gouge	Strong	64	1/2"; yellow (ser'd)
MB07-08	59.10	60.80	1.70	Ductile Shear				
MB07-08	60.83	63.25	2.42	Ductile Shear				
MB07-08	63.75	64.25	0.50	Ductile Shear				
MB07-08	66.90	67.30	0.40	Fault	Gouge	V. Strong	55	FZ with most intense shearing
MB07-08	64.25	64.26	0.01	Fault	Gouge		80	1/4""; no efect on wallrock
MB07-08	64.26	66.90	2.64	Ductile Shear				
MB07-08	67.54	67.55	0.01	Fault	Gouge		53	1/8"
MB07-08	70.50	70.54	0.04	Fault	Gouge		53	1"; no efect on wallrock except bending of bedding/altn
MB07-08	71.50	71.60	0.10	Shear	ank-chl-ser		64	mylonitic orange-buff zone
MB07-08	72.80	72.90	0.10	fault	ser-chl		64	rubble/ thin shims+tight gouge
MB07-08	79.00	79.90	0.90	Shear	chl-ser-ank	strong	64	shims; local gouge to 1/16"
MB07-08	83.10	83.14	0.04	Fault	Gouge	V. Strong	55	1" with most intense shearing
MB07-08	83.14	89.90	6.76	Ductile Shear	chl-ser-ank	strong	67	v intense; pale grey (not sil'd); locally slips/faults
MB07-08	91.77	91.79	0.02	Fault	Gouge		48	in graphite; 1/8"
MB07-08	94.50	94.70	0.20	Shear	graphite-ser-ank		60	
MB07-08	89.90	90.00	0.10	Fault	Gouge		45	in B.C.; still shr'd after
MB07-08	108.50	108.90	0.4	Fault	Gouge		58	1"
MB07-08	108.15	108.17	0.02	Fault	Gouge		65	1/2"; brings in veining
MB07-08	124.66	124.67	0.01	Fault	Gouge		52	v tight; 1/16"
MB07-08	155.00	157.00	2	shear	chl-ser-ank		63	B.C. ommon
MB07-08	157.00	157.05	0.05	Fault	Gouge		45	1"-in BC; brings in qv
MB07-08	157.05	158.50	1.45	shear	chl-ser-ank		63	B.C. ommon
MB07-08	171.55	172.30	0.75	shear	chl-ser-ank		63	
MB07-08	182.80	182.81	0.01	Fault	chl		45	possible flt-in BC
MB07-08	226.40	226.60	0.2	Shear	chl	weak	58	bl'd; 6% cse py

MB07-08	246.30	246.50	0.2	Shear	chl	weak	49	0.2m sheared chl zone with py str +py veins
MB07-08	263.10	263.12	0.02	Fault	chl	strong	72	
MB07-09	8.00	8.20	0.2	Fault	chl		50	2-1/8" chl annealed seams with shr'd zone between; slicks
MB07-09	8.90	10.30	1.40	LC				L.C.-"fault marked on box-crew says sand coming in-no structure visible going in or coming out
MB07-09	11.50	11.52	0.02	Fault	chl	weak	50	tight 1/16" gouge
MB07-09	16.00	16.05	0.05	Fault	chl	weak	50	B.C.-gouge?
MB07-09	20.80	20.85	0.05	Fault	chl	weak	30	B.C.-gouge?
MB07-09	23.80	23.90	0.1	Fault	chl	weak	50	B.C.-gouge?
MB07-09	76.10	76.80	0.7	Blocky Ground				
MB07-09	77.15	77.17	0.02	Fault	Gouge		50	
MB07-09	77.17	77.40	0.23	Shear	chl-ser		50	
MB07-09	77.80	79.25	1.45	Shear	chl-ser	strong		shearing with Kspar/quartz veining; broken core
MB07-09	79.25	79.50	0.25	fault	gouge	strong	20	
MB07-09	79.50	85.50	6	Fracture Zone		moderate		quartz-ank- minor carbonate/calcite in fractures 10-20%, trace pyrite
MB07-09	85.50	85.70	0.2	Shear				
MB07-09	85.70	85.71	0.01	Fault	Gouge		30	
MB07-09	86.00	87.00	1	Poor Recovery				badly broken ground
MB07-09	96.35	96.45	0.1	Fault	gouge		60	poor recovery
MB07-09	97.80	98.50	0.7	Fracture Zone				two narrow parallel fracture sytems with qtz-ank-kspar
MB07-09	128.70	128.90	0.2	Fault	Gouge		40	poor recovery, broken core
MB07-09	143.80	143.83	0.03	Fault	healed		30	
MB07-09	144.35	144.36	0.01	Fault	Slip		35	
MB07-09	144.65	144.66	0.01	Fault	Slip		35	
MB07-09	147.60	147.61	0.01	Fault	Slip		30	
MB07-09	151.30	151.36	0.06	Fault			90	vein offset
MB07-09	151.36	153.20	1.84	Shear	ductile	strong		near Timiskaming/Blake River Fault-Contact strong deformation
MB07-09	153.20	157.90	4.7	Fault		strong		Fault zone at graphitic argillite section; strong gouge poor recovery badly broken ground in several sections
MB07-09	157.90	158.70	0.8	Shear	ductile	strong	50	
MB07-09	158.90	158.91	0.01	Fault		strong	30	graphitic fault
MB07-09	160.50	161.44	0.94	Fault			40	graphitic fault
MB07-09	161.44	164.30	2.86	Fracture Zone	brittle			35% quartz-ankerite veining in brittle fractures
MB07-09	167.20	167.90	0.7	Fracture Zone	brittle/ductile		40	25% quartz-ankerite veining; Marion Vein

MB07-09	170.20	171.00	0.8	Fracture Zone	brittle/ductile		40	35% quartz-ankerite veining in brittle fractures; Marion Vein
MB07-09	181.80	182.00	0.2	fault			10	
MB07-09	183.50	183.60	0.1	fault			10	
MB07-10	18.93	18.94	0.01	Contact			50	wacke/syenite irregular contact 50 deg on lower
MB07-10	49.60	49.83	0.23	Shear				irregular with qtz-albite-ank veining & chl-ser alteration
MB07-10	50.60	50.62	0.02	Fault	badly broken core, gouge, poor recovery			
MB07-10	52.30	57.85	5.55	Shear	shear-fault zone	strong	60	from 52.3 to 52.4 fault with fault breccia, white qtz strong chlorite; 53.41 fault gouge/mud seam; 55.7 to 56 badly broken core, soft due to sericite alteration;from 57.25 to 57.85 fault with qtz veining, chlorite with some fine pyrite along fractures in more albitized section at 57.7 to 57.75
MB07-10	65.04	65.05	0.01	Contact			45	Wacke/Lamprophyre
MB07-10	67.97	68.14	0.17	Fracture Zone		weak	60	no mineralization in fractures
MB07-10	71.10	71.11	0.01	Contact			45	Wacke/Syenite
MB07-10	71.50	71.51	0.01	Contact			45	Syenite/Wacke
MB07-10	73.97	73.98	0.01	Contact			50	Wacke/Lamprophyre
MB07-10	74.48	74.49	0.01	Contact			50	Lamprophyre/Wacke
MB07-10	75.20	77.12	1.92	Fracture Zone				Brittle Fracturing predominantly along and at lower angles to Wacke bedding with multi-generational veinin from qtz-ank-albite to qtz-chl
MB07-10	77.12	77.19	0.07	Fault			55	fault breccia
MB07-10	79.00	79.01	0.01	Fault	Mud	Strong	55	Unconformity
MB07-10	86.60	87.00	0.4	Fracture Zone	brittle fracturing	moderate	30	fractures predominantly filled with epidote
MB07-10	88.20	88.60	0.4	Fracture Zone	brittle fracturing	strong	30	fractures predominantly filled with epidote
MB07-10	94.00	95.00	1	Fracture Zone	brittle fracturing			
MB07-10	103.80	104.30	0.5	Fracture Zone	brittle fracturing	moderate	50	Boyce Vein Structure?
MB07-10	110.70	111.30	0.6	Fracture Zone	brittle fracturing	moderate		Boyce Vein Structure?
MB07-10	111.30	116.00	4.7	Fracture Zone	brittle fracturing	weak		narrow hairline fractures with carb-epidote
MB07-10	117.06	117.07	0.01	Contact			90	sharp contact Volcanic/Dyke
MB07-11	5.00	5.20	0.2	fault	brittle		15	hem; BC; 1/2"qtz-ank vein on chl flt
MB07-11	9.30	9.50	0.2	fault	brittle		15	hem; BC; 1"qtz-ank vein on chl flt
MB07-11	54.90	55.30	0.4	B.C.				chl slip@15
MB07-11	70.15	71.05	0.9	Ductile Shear	ser-chl		45	selvage;2%py
MB07-11	70.53	70.57	0.04	Fault	Gouge		53	1/8"

Hole_ID	From	To	Width	Vein_Type	Vein_Modifier	Vein_Intensity	Core Angle	Comments
MB07-08	6.50	7.60	1.10	qtz-cal-ank		strong	35	related to LakeShore Fault
MB07-08	22.20	22.30	0.10	cal-qtz-ank		strong	30	hydrothermal breccia with later ankerite veining at 50 deg; ankerite veining has a yellowish-brown (sphalerite-like) colouration
MB07-08	23.00	25.00	2.00	qtz-cal		weak		3 to 5% narrow veins/stringers minor hematite
MB07-08	32.44	32.70	0.26	qtz-kspar feld				
MB07-08	33.20	33.25	0.05	qtz-ank-kspar		weak		narrow veining
MB07-08	39.40	40.10	0.70	qtz-ank-chl				
MB07-08	44.66	44.90	0.24	qtz	bull qtz vein		65	no mineral
MB07-08	68.15	68.30	0.15	qtz-ank-chl	bullish		70	bx, bl'd wallrock
MB07-08	72.35	72.45	0.10	qtz-ank-chl			55	highly shr'd
MB07-08	76.30	76.40	0.10	qtz-ank-chl			55	highly shr'd
MB07-08	78.90	79.30	0.40	qtz-ank-chl			55	highly shr'd
MB07-08	79.55	79.70	0.15	qtz-chl	bullish		50	highly shr'd; 1" qv
MB07-08	90.30	90.60	0.30	chl-ank-ser			68	
MB07-08	92.30	92.50	0.20	chl-graphite-ank			52	5% graphite in pale grey ank-chl
MB07-08	94.50	94.70	0.20	graphite-ank-ser			57	50% graphite
MB07-08	95.10	95.30	0.20	qtz-ank	bullish		42	
MB07-08	99.80	100.00	0.2	qtz-ank	bullish		47	2- 3/4" qv's
MB07-08	104.35	104.39	0.04	graphite-ank-ser			68	1/2"-3/4"
MB07-08	108.15	109.00	0.85	chl-ank-qtz-ser			57	rare py; 30% wt-gy qtz-ank
MB07-08	109.00	114.00	5	qtz-ank-chl			45	1% cse py;10% wt-gy qtz-ank
MB07-08	124.67	124.70	0.03	qtz-ank-chl	bullish		52	
MB07-08	127.40	128.00	0.6	qtz-ank-chl	bullish		40	25% q-ank veins
MB07-08	130.60	131.30	0.7	qtz-ank-chl	bullish		60	25% q-ank veins; stronger vein @131.2-131.3
MB07-08	134.80	135.80	1	qtz-ank-ser	5%pyrite	strong	52	5% f.diss. Py in strongly ser'd bl'd vol; 60%q-ank; rare PO
MB07-08	138.70	139.10	0.4	qtz-ank-chl			50	rare cse py
MB07-08	139.45	140.40	0.95	qtz-ank-chl			50	rare cse py
MB07-08	142.30	142.70	0.4	qtz-ank-ser	3%pyrite	strong	50	3% f.+cse diss. Py in strongly ser'd bl'd vol; 60%q-ank; rare PO
MB07-08	144.00	144.15	0.15	qtz-ank-ser	2%pyrite	strong	60	2% f.+cse diss. Py in strongly ser'd bl'd vol; 60%q-ank; rare PO
MB07-08	145.45	145.70	0.25	qtz-ank-ser	4%pyrite		75	4% f.+cse diss. Py in strongly ser'd bl'd vol; 60%q-ank; rare PO
MB07-08	157.40	157.50	0.1	qtz-ank-chl	bullish		45	
MB07-08	158.00	158.50	0.5	qtz-ser	dark grey	strong	80	rare py
MB07-08	171.90	172.55	0.65	qtz-ser	dark grey, 8%py	strong	60	dark grey qv with 30%ser(selvages)+10% cse py loc'y conc. To 172.35-then bullish 0.3 qtz-ank vein with 20% bl'd bx frag's
MB07-08	182.80	183.40	0.6	qt-ank-spec	dark grey, 4%py	strong	45	2 dark grey qv's -0.05&0.10m with 4% cse py loc'y conc.;
MB07-08	246.30	246.34	0.04	qtz-ank	1/8"-1/2"pa grey; 10% py		49	1/8"-1/2"pa grey; 10% f+cse diss py; imm followed by 0.2m sheared zone
MB07-08	261.65	261.75	0.1	qtz-ank-ser	bullish		46	rare py
MB07-08	262.05	262.20	0.15	qtz-chl-moly?	dark grey; 10% py	strong	45	40%1/8"-3/4" dark grey q str's with 10% f diss py-well min'd; in shighly ser'd zone; offset 1"by chl fracture
MB07-08	262.30	262.35	0.05	qtz-ank	bulish		60	50% bx frag's of bl'd ser'd wallrock+qtz
MB07-08	262.80	263.15	0.35	qtz-ank-chl	dark grey; 5% py	strong	50	dark grey qv up to 262.97 imm followed by bullish ank-qtz veins to 1" and then 2" hihly shr'd dark grey qv+ser@72
MB07-08	263.98	264.00	0.02	qtz	white, bullish		82	1/2" bull qv

MB07-09	48.00	48.05	0.05	qtz-ank	white, bullish		120	cuts fol'n
MB07-09	51.40	51.43	0.03	ank	white, bullish		30	ser'd wallrock with rare f diss py; B.C.;
MB07-09	52.50	57.30	4.8	qtz-calcite	5% white-pink-disjointed	weak		disjointed, no mineralization
MB07-09	77.80	90.00	12.2	qtz-ank-kspar-calcite	10-20%	moderate		
MB07-09	93.10	94.75	1.65	qtz-ank-kspar	15%		50	
MB07-09	97.82	98.50	0.68	qtz-ank-kspar	15%			
MB07-09	117.80	119.00	1.2	qtz	15%	moderate		low and high angle veining 1 to 3 cm wide
MB07-09	120.10	120.38	0.28	qtz-ank	45%	strong	50	broken core; assoiated py medium grained, disseminated, approximately 7%
MB07-09	125.40	126.00	0.6	qtz-ser	20%	moderate	45	
MB07-09	127.70	129.70	2	qtz-ank-chl-ser	30%	moderate	45	
MB07-09	136.25	137.40	1.15	qtz-chl	15%	weak		
MB07-09	143.10	143.30	0.2	qtz-chl-ser			30	
MB07-09	144.70	146.20	1.5	qtz-ank-chl-ser	20%	weak	45	possible weak shear with late veining; trace pyrite
MB07-09	150.42	153.20	2.78	qtz-ank-chl-ser	40%	strong		
MB07-09	153.20	154.00	0.8	qtz-ank-gf-chl-ser	70%	strong		
MB07-09	157.93	164.00	6.07	qtz-ank-gf-chl-ser	45%	strong		
MB07-09	167.20	168.00	0.8	qtz-ank	25%	moderate		
MB07-09	170.20	171.00	0.8	qtz-ank	35%	moderate		
MB07-09	173.30	173.60	0.3	qtz-ank-carb		strong		
MB07-09	173.60	180.00	6.4	qtz-ank-carb	20%	weak		predominantly low angle veining to core axis with chlorite margins; various generations of veining some following pillow selvages
MB07-09	180.00	200.00	20	chl-carb-qtz-epidote	10%	weak		brittle fracturing predominantly low angle
MB07-10	25.10	25.11	0.01	qtz-carb-kspar			55	1 cm wide vein no mineralization
MB07-10	31.50	31.63	0.13	qtz-albite			20	3mm wide qtz-albite vein
MB07-10	43.70	43.76	0.06	qtz-albite-ank			50	
MB07-10	52.30	52.37	0.07	qtz-chlorite			45	
MB07-10	57.25	57.75	0.5	qtz-albite-ank-chl			50	fault controlled
MB07-10	75.20	77.12	1.92	qtz-ank-albite-chl	10%		35	at 76.88 2 cm purple qtz vein with pyrite
MB07-10	78.05	78.06	0.01	qtz-albite			45	py/mo on margin
MB07-10	79.90	80.00	0.1	qtz	bull-white			
MB07-10	82.71	82.75	0.04	qtz			60	
MB07-10	86.60	87.80	1.2	qtz-carb-epidote	25%			veins in pillow selvages and fractures
MB07-10	94.00	96.25	2.25	qtz-carb-epidote	20%			
MB07-10	98.00	98.50	0.5	qtz-carb	20%		45	three parallel veins from 0.2 to 1cm wide with minor pyrite
MB07-10	99.10	99.60	0.5	qtz-carb	35%		40	localized no greater than 5 cm wide
MB07-10	101.90	103.30	1.4	qtz-carb	15%			localized no greater than 5 cm wide
MB07-10	106.60	108.20	1.6	qtz-carb	15%			localized no greater than 5 cm wide
MB07-10	111.50	112.50	1	qtz-carb-chl-epidote	20%			
MB07-10	113.40	113.60	0.2	qtz-epidote-carb				vein, bull-white no mineralization
MB07-11	9.30	9.33	0.03	qtz-ank-chl		bullish	15	rare py; in BC
MB07-11	10.50	10.60	0.1	qtz-ank-chl-epi		bullish	75	
MB07-11	24.60	24.63	0.03	qtz		bullish		in BC; vuggy
MB07-11	29.20	29.50	0.3	qtz-ank			40,80	2% v f py

MB07-11	49.10	49.30	0.2	qtz-ank-spec			20	rare py
MB07-11	51.30	51.32	0.02	qtz-ank-chl		bullish	25	
MB07-11	55.60	55.61	0.01	qtz-chl-spec			42	5% cse+f dss py; 1/4"; purple hue-spec?
MB07-11	55.80	55.81	0.01	qtz-chl-spec			42	5% cse+f dss py; 1/4"; purple hue-spec?
MB07-11	57.90	58.10	0.2	qtz-ank-chl		bullish	63	rare ces py
MB07-11	59.54	59.68	0.14	qtz-ank-chl-spec				2"wt-gy; rare ces py; purple hue-spec?
MB07-11	60.70	60.80	0.1	qtz-moly		strong	45	2"; wt;rare gy mineral-moly; 15% cse py in blebs& f diss py; no alt'n of wallrock/structure
MB07-11	61.67	61.73	0.06	qtz-ank-chl-spec			48	2 1/4-1/2" veins; 5% cse d py
MB07-11	68.75	69.40	0.65	qtz-ank-chl-spec			20-70	4- 1/4-1"pa gy veins in selvage; 2-8% cse& f d py
MB07-11	70.15	71.05	0.9	qtz-ank-chl-spec			45	3- 1/4-1/2"pa gy veins in shr'd selvage; 2-3% cse& f d py
MB07-11	76.30	76.38	0.08	qtz-chl			40	2 1/2"; pa gy; 5% cse d py; selvage
MB07-11	75.60	75.67	0.07	qtz-chl			40	1"; pa gy; 5% cse d py locy conc; selvage
MB07-11	77.00	77.10	0.1	qtz-ank-chl-spec		bullish	45	1"; no py; selvage
MB07-11	78.57	78.64	0.07	qtz-chl			55	1"; dk gy; rare py; selvage
MB07-11	80.68	80.74	0.06	qtz-chl			55	1"; dk gy; rare py; selvage
MB07-11	81.70	82.00	0.3	qtz-chl			30	dk gy; no py; selvage
MB07-11	79.45	79.50	0.05	qtz-ank-chl		bullish	45	
MB07-11	92.96	93.03	0.07	qtz-ank-chl			50	1"; pa gy; 5% cse/f d py locy conc; selvage
MB07-11	98.08	98.48	0.4	ank-qtz-chl			30	4"bullish pk-wt ank-qtz vein with 10% cse d py in fractures of wallrock both sides; in bl'd zone

Hole_ID	From	To	Length	Sample_#	Au ppm	Au ppm	Au oz/ton	Notes
MB07-08	6.26	7.60	1.34	50851	<.03		<.001	
MB07-08	7.60	8.36	0.76	50852	<.03		<.001	
MB07-08	21.38	22.80	1.42	50853	<.03		<.001	
MB07-08	38.30	39.40	1.10	50854	<.03		<.001	
MB07-08	39.40	40.20	0.80	50855	<.03		<.001	
MB07-08	42.55	44.00	1.45	50856	<.03		<.001	
MB07-08	44.00	45.20	1.20	50857	<.03		<.001	
MB07-08	63.15	63.90	0.75	50858	<.03		<.001	
MB07-08	66.70	67.60	0.90	50859	<.03		<.001	
MB07-08	67.60	68.55	0.95	50860	<.03		<.001	
MB07-08	71.35	72.40	0.80	50861	<.03		<.001	
MB07-08	82.90	83.70	1.40	50862	<.03		<.001	
MB07-08	83.70	85.10	1.40	50863	<.03		<.001	
MB07-08	94.40	95.70	1.30	50864	<.03		<.001	
MB07-08	106.55	107.00	0.45	50865	<.03		<.001	
MB07-08	107.00	108.10	1.10	50866	<.03		<.001	
MB07-08	108.10	109.00	0.90	50867	<.03		<.001	
MB07-08	112.20	114.10	1.90	50868	<.03		<.001	
MB07-08	129.40	130.35	0.95	50869	<.03		<.001	
MB07-08	133.30	135.00	1.70	50870	0.069		0.002	
MB07-08	135.00	135.85	0.85	50871	0.823		0.024	
MB07-08				50872	<.03		<.001	Field Blank
MB07-08	135.85	137.00	1.15	50873	<.03		<.001	
MB07-08	139.70	140.40	0.70	50874	<.03		<.001	
MB07-08	140.40	142.20	1.80	50875	<.03		<.001	
MB07-08	142.20	142.70	0.50	50876	<.03		<.001	
MB07-08	142.70	143.80	1.10	50877	<.03		<.001	
MB07-08	143.80	144.30	0.50	50878	<.03		<.001	
MB07-08	145.15	145.75	0.60	50879	<.03		<.001	
MB07-08	157.20	157.80	0.60	50880	<.03		<.001	
MB07-08	157.80	158.50	0.70	50881	<.03		<.001	
MB07-08	171.00	171.50	0.50	50882	<.03		<.001	
MB07-08	171.50	172.60	1.10	50883	0.343		0.010	
MB07-08	172.60	173.15	0.55	50884	<.03		<.001	
MB07-08	180.95	182.00	1.05	50885	<.03		<.001	5% qtzcarb-filled selvages; 3%py
MB07-08	182.00	182.65	0.65	50886	<.03		<.001	5% qtz-filled selvages; 3%py
MB07-08	182.65	183.40	0.75	50887	<.03		<.001	
MB07-08	183.40	184.40	1.00	50888	<.03		<.001	
MB07-08	188.90	190.50	1.60	50889	<.03		<.001	

MB07-08	206.25	206.85	0.60	50890	<.03		<.001	10% qtz-filled selvages
MB07-08	210.40	211.80	1.40	50891	<.03		<.001	10% qtz-filled selvages; 1%py
MB07-08	215.20	215.70	0.50	50892	<.03		<.001	10% qtz-filled selvages; 1%py
MB07-08	217.10	217.60	0.50	50893	<.03		<.001	10% qtz-filled selvages
MB07-08	226.40	227.00	0.60	50894	<.03		<.001	5% qtzcarb-filled selvages; 3%py; wy bl'd initially@58-chl
MB07-08	228.00	228.50	0.50	50895	<.03		<.001	30% qtz-filled selvages; rare py
MB07-08	229.90	230.40	0.50	50896	<.03		<.001	10% qtz-filled selvages; 2"bull qtz clot
MB07-08	231.80	232.30	0.50	50897	<.03		<.001	30% qtz-filled selvages; rare py
MB07-08	234.50	235.30	0.80	50898	<.03		<.001	10% qtz-filled selvages
MB07-08	246.00	246.75	0.75	50899	<.03		<.001	
MB07-08	251.60	252.20	0.60	50900	<.03		<.001	
MB07-08	259.20	260.00	0.80	50901	<.03		<.001	
MB07-08	260.00	261.30	1.30	50902	<.03		<.001	
MB07-08	261.30	262.00	0.70	50903	<.03		<.001	
MB07-08	262.00	262.65	0.65	50904	<.03		<.001	
MB07-08	262.65	263.30	0.65	50905	<.03		<.001	
				50906	<.03		<.001	Field Blank
MB07-08	263.30	264.20	0.90	50907	<.03		<.001	
MB07-09	7.80	8.30	0.50	50908	<.03		<.001	
MB07-09	23.40	24.00	0.60	50909	<.03		<.001	rare f diss py in wacke
MB07-09	54.75	56.25	1.50	50910	<.03		<.001	
MB07-09	77.80	79.25	1.45	50911	<.03		<.001	
MB07-09	79.25	80.10	0.85	50912	<.03		<.001	
MB07-09	80.10	81.50	1.40	50913	<.03		<.001	
MB07-09	81.50	82.30	0.80	50914	<.03		<.001	
MB07-09	82.30	83.80	1.50	50915	<.03		<.001	
MB07-09	83.80	84.80	1.00	50916	<.03		<.001	
MB07-09	84.80	86.00	1.20	50917	<.03		<.001	
MB07-09	86.00	87.00	1.00	50918	<.03		<.001	
MB07-09	89.00	90.00	1.00	50919	<.03		<.001	
MB07-09	92.30	93.10	0.80	50920	<.03		<.001	
MB07-09	93.10	94.30	1.20	50921	<.03		<.001	
MB07-09	95.40	96.10	0.70	50922	<.03		<.001	
MB07-09	97.80	98.50	0.70	50923	<.03		<.001	
MB07-09	111.40	112.40	1.00	50924	<.03		<.001	
MB07-09	117.80	119.20	1.40	50925	<.03		<.001	
MB07-09	120.10	120.60	0.50	50926	<.03		<.001	
MB07-09	125.40	126.20	0.80	50927	<.03		<.001	
MB07-09	127.70	128.60	0.90	50928	<.03		<.001	
MB07-09	128.60	129.70	1.10	50929	0.069		0.002	

MB07-09	144.70	146.20	1.50	50930	0.137		0.004	
MB07-09	149.00	150.42	1.42	50931	<.03		<.001	
MB07-09	150.42	152.00	1.58	50932	<.03		<.001	
MB07-09	152.00	153.40	1.40	50933	<.03		<.001	
MB07-09	153.40	154.50	1.10	50934	<.03		<.001	Graphite
MB07-09	154.50	155.20	0.70	50935	0.069		0.002	Graphite
MB07-09	157.93	159.40	1.47	50936	<.03		<.001	
MB07-09	159.40	160.50	1.10	50937	0.137		0.004	
MB07-09	160.50	161.44	0.94	50938	0.137		0.004	
MB07-09	161.44	162.80	1.36	50939	<.03		<.001	
MB07-09	162.80	164.00	1.20	50940	<.03		<.001	
MB07-09	164.00	165.50	1.50	50941	<.03		<.001	
MB07-09	165.50	166.00	0.50	50942	<.03		<.001	
MB07-09	166.00	166.95	0.95	50943	<.03		<.001	
MB07-09	166.95	168.00	1.05	50944	<.03		<.001	Marion vein
MB07-09	168.00	169.10	1.10	50945	<.03		<.001	
MB07-09	169.10	170.00	0.90	50946	<.03		<.001	
MB07-09	170.00	171.00	1.00	50947	<.03		<.001	Marion vein
MB07-09	171.00	172.40	1.40	50948	<.03		<.001	
MB07-09	173.30	174.60	1.30	50949	<.03		<.001	
MB07-09	174.60	176.00	1.40	50950	<.03		<.001	
MB07-09	176.00	177.20	1.20	50951	<.03		<.001	
MB07-09	177.20	178.20	1.00	50952	<.03		<.001	
MB07-09	178.20	179.00	0.80	50953	<.03		<.001	
MB07-09	179.00	180.00	1.00	50954	<.03		<.001	
MB07-09	181.80	182.90	1.10	50955	<.03		<.001	
MB07-10	10.27	11.10	0.83	50956	<.03		<.001	
MB07-10			0.00	50957	<.03		<.001	Field Blank
MB07-10	49.40	50.00	0.60	50958	<.03		<.001	
MB07-10	52.30	53.00	0.70	50959	<.03		<.001	
MB07-10	53.00	54.00	1.00	50960	<.03		<.001	
MB07-10	54.00	55.50	1.50	50961	0.137		0.004	
MB07-10	55.50	56.50	1.00	50962	0.137		0.004	
MB07-10	56.50	57.30	0.80	50963	<.03		<.001	
MB07-10	57.30	58.00	0.70	50964	<.03		<.001	
MB07-10	73.97	75.20	1.23	50965	<.03		<.001	
MB07-10	75.20	76.60	1.40	50966	<.03		<.001	
MB07-10	76.60	77.40	0.80	50967	0.137		0.004	
MB07-10	77.40	78.20	0.80	50968	<.03		<.001	
MB07-10	78.20	79.20	1.00	50969	0.069		0.002	

MB07-10	79.20	80.10	0.90	50970	<.03		<.001	
MB07-10	82.70	83.30	0.60	50971	<.03		<.001	
MB07-10	86.60	87.80	1.20	50972	<.03		<.001	
MB07-10	87.80	88.60	0.80	50973	<.03		<.001	
MB07-10	95.30	96.25	0.95	50974	<.03		<.001	
MB07-10	98.00	98.50	0.50	50975	<.03		<.001	
MB07-10	99.10	100.00	0.90	50976	<.03		<.001	
MB07-10	101.90	103.30	1.40	50977	<.03		<.001	
MB07-10	103.30	104.40	1.10	50978	<.03		<.001	
MB07-10	105.70	106.50	0.80	50979	<.03		<.001	
MB07-10	106.50	107.50	1.00	50980	<.03		<.001	
MB07-10	107.50	108.40	0.90	50981	<.03		<.001	
MB07-10	110.30	111.30	1.00	50982	<.03		<.001	
MB07-10	111.30	112.50	1.20	50983	<.03		<.001	
MB07-10	113.10	114.10	1.00	50984	<.03		<.001	
MB07-10				50985	<.03		<.001	Field Blank
MB07-11	17.80	18.40	0.60	14554	<.03		<.001	5% f diis py in 2- 3/4" q-ank vn's
MB07-11	22.90	24.60	1.70	14555	<.03		<.001	rare py
MB07-11	24.60	25.25	0.65	14556	<.03		<.001	1% v f diss py
MB07-11	28.00	29.00	1.00	14557	<.03		<.001	1-2% v f diss py
MB07-11	29.00	29.75	0.75	14558	<.03		<.001	2% v f diss py
MB07-11	46.95	47.80	0.85	14559	<.03		<.001	6% cse py in selvage
MB07-11	49.00	50.20	1.20	14560	<.03		<.001	q-ank vein-rare py, hyalo
MB07-11	55.40	55.90	0.50	14561	<.03		<.001	
MB07-11	59.50	60.00	0.50	14562	<.03		<.001	
MB07-11	60.00	60.50	0.50	14563	<.03		<.001	
MB07-11	60.50	61.00	0.50	14564	8.366		0.244	
MB07-11	61.00	61.50	0.50	14566	<.03		<.001	
MB07-11	61.50	62.00	0.50	14567	<.03		<.001	
MB07-11	68.75	69.50	0.75	14568	<.03		<.001	
MB07-11	69.50	70.10	0.60	14569	<.03		<.001	
MB07-11	70.10	71.20	1.10	14570	2.331		0.068	
MB07-11	75.40	76.20	0.80	14571	<.03		<.001	
MB07-11	76.20	76.70	0.50	14572	<.03		<.001	
MB07-11	78.35	78.85	0.50	14573	0.137		0.004	
MB07-11	80.60	81.50	0.90	14574	<.03		<.001	
MB07-11	92.80	93.30	0.50	14575	0.137		0.004	
MB07-11	97.50	98.00	0.50	14576	<.03		<.001	
MB07-11	98.00	98.65	0.65	14577	1.097		0.032	
MB07-11	98.65	99.15	0.50	14578	<.03		<.001	

Drill Log Abbreviations

md	*medium*
lt	*light*
dk grn	*dark green*
brn	*brown*
grn	*green*
aph	*aphanitic*
med	*medium*
fg	*fine grain*
mg	*medium grain*
cg	*coarse grain*
altn	*alteration*
alt'd	*altered*
per	*pervasive*
chl	*chlorite*
ser	*sericite*
ank	*ankerite*
epi	*epidote*
carb	*carbonitized*
hem	*hematized*
Cas	*casing*

wk	*weak*
strng	*strong*
mod	*moderate*
frac's	*fractures*
frac'd	*fractured*
bx	*breccia*
frac'ing	*fracturing*
flt	*fault*
diss	*disseminated*
py	*pyrite*
mo	*molybdenum*
cpy	*chalcopyrite*
mag	*magnetite*
gf	*graphite*
hem	*hematite*
qtz	*quartz*

APPENDIX B

DIAMOND DRILL ASSAY CERTIFICATES, CHAIN OF CUSTODY, WORK ORDERS, BILL OF LADING

PolyMet Labs
A Division of Polymet Resources Ltd.

1 Presley St, P.O. Box 699, Cobalt, Ontario, Canada P0J 1C0
Tel: (705) 679-5500 • Fax: (705) 679-5519
Email: info@polymetinc.com Website: www.polymetinc.com

Certificate of Analysis

We certify that the assay results in the following Certificates are factual and true.

Certificate # 3533, 3534, 3535, 3536, 3537, 3538 & 3539

Certified by: _____
Chief Assayer

Certified by: _____
Manager/President

Date: January 31, 2008

Disclaimer: The results included on this report relate only to the items tested. The Certificate of Analysis should not be reproduced except in full, without the written approval of the laboratory.

RECEIVED FEB 0 4 2008

PolyMet Laboratories

Client: Vault Minerals Inc.

CERTIFICATE **# 3533** Job No. 0-155

Date: Jan 31/08

Sample #	Au Oz/ton	g/tonne
50851	<.001	<.03
50852	<.001	<.03
50853	<.001	<.03
50854	<.001	<.03
50855	<.001	<.03
50856	<.001	<.03
50857	<.001	<.03
50858	<.001	<.03
50859	<.001	<.03
50860	<.001	<.03
50861	<.001	<.03
50862	<.001	<.03
50863	<.001	<.03
50864	<.001	<.03
50865	<.001	<.03

15 splits

Std Oxl51 0.168 5.760

Certified Assayer:

PolyMet Laboratories

Client: Vault Minerals Inc.

CERTIFICATE **# 3534**

Job No. 0-155

Date: Jan 31/08

Sample #	Au Oz/ton	g/tonne
50866	<.001	<.03
50867	<.001	<.03
50868	<.001	<.03
50869	<.001	<.03
50870	0.002	0.069
50871	0.024	0.823
50872	<.001	<.03
50873	<.001	<.03
50874	<.001	<.03
50875	<.001	<.03
50876	<.001	<.03
50877	<.001	<.03
50878	<.001	<.03
50879	<.001	<.03
50880	<.001	<.03
50881	<.001	<.03
50882	<.001	<.03
50883	0.010	0.343
50884	<.001	<.03
50885	<.001	<.03
50886	<.001	<.03

21 splits

Std Oxl51 0.168 5.760

Certified Assayer:

PolyMet Laboratories

Client: Vault Minerals Inc.
Job No. 0-155

CERTIFICATE **# 3535**

Date: Jan 31/08

Sample #	Au Oz/ton	g/tonne
50887	<.001	<.03
50888	<.001	<.03
50889	<.001	<.03
50890	<.001	<.03
50891	<.001	<.03
50892	<.001	<.03
50893	<.001	<.03
50894	<.001	<.03
50895	<.001	<.03
50896	<.001	<.03
50897	<.001	<.03
50898	<.001	<.03
50899	<.001	<.03
50900	<.001	<.03
50901	<.001	<.03
50902	<.001	<.03
50903	<.001	<.03
50904	<.001	<.03
50905	<.001	<.03
50906	<.001	<.03
50907	<.001	<.03
50908	<.001	<.03
50909	<.001	<.03
50910	<.001	<.03
50911	<.001	<.03
50912	<.001	<.03
50913	<.001	<.03
50914	<.001	<.03

28 splits

Std Oxl51 0.168 5.760

Certified Assayer:

PolyMet Laboratories

Client: Vault Minerals Inc.

CERTIFICATE **# 3536** Job No. 0-155

Date: Jan 31/08

Sample #	Au Oz/ton	g/tonne
50915	<.001	<.03
50916	<.001	<.03
50917	<.001	<.03
50918	<.001	<.03
50919	<.001	<.03
50920	<.001	<.03
50921	<.001	<.03
50922	<.001	<.03
50923	<.001	<.03
50924	<.001	<.03
50925	<.001	<.03
50926	<.001	<.03
50927	<.001	<.03
50928	<.001	<.03
50929	0.002	0.069
50930	0.004	0.137
50931	<.001	<.03
50932	<.001	<.03
50933	<.001	<.03
50934	<.001	<.03
50935	0.002	0.069
50936	<.001	<.03
50937	0.004	0.137
50938	0.004	0.137
50939	<.001	<.03
50940	<.001	<.03
50941	<.001	<.03
50942	<.001	<.03

28 splits

Std Oxl51 0.17 5.829

Certified Assayer:

PolyMet Laboratories

Client: Vault Minerals Inc.

CERTIFICATE **# 3537** Job No. 0-155

Date: Jan 31/08

Sample #	Au Oz/ton	g/tonne
50943	<.001	<.03
50944	<.001	<.03
50945	<.001	<.03
50946	<.001	<.03
50947	<.001	<.03
50948	<.001	<.03
50949	<.001	<.03
50950	<.001	<.03
50951	<.001	<.03
50952	<.001	<.03
50953	<.001	<.03
50954	<.001	<.03
50955	<.001	<.03
50956	<.001	<.03
50957	<.001	<.03
50958	<.001	<.03
50959	<.001	<.03
50960	<.001	<.03
50961	0.004	0.137
50962	0.004	0.137
50963	<.001	<.03
50964	<.001	<.03
50965	<.001	<.03
50966	<.001	<.03
50967	0.004	0.137
50968	<.001	<.03
50969	0.002	0.069
50970	<.001	<.03

28 splits

Std Oxl51 0.168 5.760

Certified Assayer:

PolyMet Laboratories

Client: Vault Minerals Inc.

CERTIFICATE **# 3538** Job No. 0-155

Date: Jan 31/08

Sample #	Au Oz/ton	g/tonne
50971	<.001	<.03
50972	<.001	<.03
50973	<.001	<.03
50974	<.001	<.03
50975	<.001	<.03
50976	<.001	<.03
50977	<.001	<.03
50978	<.001	<.03
50979	<.001	<.03
50980	<.001	<.03
50981	<.001	<.03
50982	<.001	<.03
50983	<.001	<.03
50984	<.001	<.03
50985	<.001	<.03
14554	<.001	<.03
14555	<.001	<.03
14556	<.001	<.03
14557	<.001	<.03
14558	<.001	<.03
14559	<.001	<.03
14560	<.001	<.03
14561	<.001	<.03
14562	<.001	<.03
14563	<.001	<.03
14564	0.244	8.366
14565	<.001	<.03
14566	<.001	<.03

28 splits

Std Oxl51 0.168 5.760

Certified Assayer:

PolyMet Laboratories

Client: Vault Minerals Inc.

CERTIFICATE **# 3539** Job No. 0-155

Date: Jan 31/08

Sample #	Au Oz/ton	g/tonne
14567	<.001	<.03
14568	<.001	<.03
14569	<.001	<.03
14570	0.068	2.331
14571	<.001	<.03
14572	<.001	<.03
14573	0.004	0.137
14574	<.001	<.03
14575	0.004	0.137
14576	<.001	<.03
14577	0.032	1.097
14578	<.001	<.03

12 splits

Std Oxl51 0.168 5.760

Certified Assayer:

PolyMet Labs

A Division of Polymet Resources Inc.

1 Presley Street, Box 699, Cobalt, ON P0J 1C0
(705) 679-5500 Fax: (705) 679-5519
E-Mail: info@polymetinc.com

Chain Of Custody
REQUEST FOR ANALYSIS

Date Received: _____

# of Packages: 13 RICE BAGS # of Samples: 160

CLIENT: ☒ Certificate ☒ Invoice

Company: VAULT MINERALS Inc.
Address: 36 PROSPECT AVENUE
Town/City: KIRKLAND LAKE Prov: ON PC: P2N 2V4
Attn: DAN McCORMACK / MIKE SUTTON
Phone: (705) 567 4511 Fax: (705) 567 6873
Email Address: d.mccormack@vaultminerals.com
m.sutton@vaultminerals.com

COPY TO: ☐ Certificate ☐ Invoice

Company:
Address:
Town/City: Prov: PC:
Attn:
Phone: ( ) Fax: ( )
Email Address:

Type Of Analysis:

☒ Regular Assay Methods: *Precious metals oz/ton or g/tonne. Base Metals%*
☐ GeoChem Assay Methods: *Au, Ag, PGM + Base metal in PPM*
☐ Other:

TYPE OF SAMPLE	SAMPLE NUMBER	Au	Ag	Cu	Pb	Zn	Co	Ni	OTHER ELEMENTS			
CORE	50857 to 50985	X										
CORE	14554 to 14578	X										

Special Instructions/Comments: ☐ Cont'd on Page 2

Please upon receipt, please record security tag number with corresponding Rice Bag # on Chain of Custody Form and return Fax to VAULT.

Storage & Disposal: *All samples will be discarded if this section is not completed.*

Rejects
☐ Return Immediately
☒ Dispose after 6 months
☐ Store after 6 months

Pulps
☐ Return Immediately
☒ Dispose after 6 months
☐ Store after 6 months

Charges may apply for disposal/storage of rejects and pulps after 6 months

Return Address

Distribution Of Reports:

☐ Fax ( ) ☐ Diskette ☒ Hard Copy ☒ E-Mail d.mccormack@vaultminerals.com
m.sutton@vaultminerals.com

Method Of Payment:

☐ Payment is included *(make cheque payable to Polymet Resources Inc.)*
☒ Credit has been established with PolyMet Labs. Payment will be issued after invoice has been received

Client Authorization:

Date: Jan 23/08 Print Name: Jon Ware Signature:
Dan McCormack, Mike

FORM NO. QD15 APR/2007 REV (01)

VAULT MINERALS INC.

36 Prospect Avenue
Kirkland Lake, Ontario
CANADA P2N 2V4

Tel: 705 567 4511
Fax: 705 567 6873
Email: contact@vaultminerals.com

CHAIN OF CUSTODY

(must be accompanied by sample submission record)

Vault Shipment Date (mm/dd/yyyy): Jan 22 2008. Project: KLN

Submitted By: Vault Minerals, Inc.

SHIPMENT DETAILS:

Relinquished to (Shipper):

BAG(S)	BAG SAMPLE FROM:	SAMPLE TO:	TOTAL	SECURITY TAG NUMBER
1	50851	50863	13	1001
2	50864	50877	14	1002
3	50878	50890	13	1003
4	50891	50907	17	1004
5	50908	50919	12	1005
6	50920	50931	12	1006
7	50932	50943	12	1007
8	50944	50955	12	1008
9	50956	50967	12	1009
10	50968	50977	10	1010
11	50978	50985	8	1011
12	14534	14545	12	1012
13	14546	14558	13	1013

Total # of Bag(s): 13

Sample Total: 160

Total Number of Bags: 13 Type: Rock

Accepted by (Shipper Rep): [signature]

Date (mm/dd/yyyy): Jan 22 2008 Time (00:00 hrs): 3:35 pm

LABORATORY RECEIPT DETAILS:

Received by: [signature] POLYMET LABS SIGNATURE Date (mm/dd/yyyy): 01/24/2008

Courier: Transprovincial Waybill #: NIBY-0693/20

NOTE: LABORATORY TO FILL IN SECURITY TAG NUMBER AND SIGN & FAX OR SCAN/EMAIL C.O.C. TO VAULT MINERALS INC.

VAULT MINERALS INC.

36 Prospect Avenue
Kirkland Lake, Ontario
CANADA P2N 2V4

Tel: 705 567 4511
Fax: 705 567 6873
Email: contact@vaultminerals.com

CHAIN OF CUSTODY

(must be accompanied by sample submission record)

Vault Shipment Date (mm/dd/yyyy): JAN 22 2008. Project: KLN

Submitted By: VAULT MINERALS INC.

SHIPMENT DETAILS:

Relinquished to (Shipper):

BAG(S)	BAG SAMPLE FROM:	SAMPLE TO:	TOTAL	SECURITY TAG NUMBER
1	50851	50863	13	
2	50864	50877	14	
3	50878	50890	13	
4	50891	50907	17	
5	50908	50919	12	
6	50920	50931	12	
7	50932	50943	12	
8	50944	50955	12	
9	50956	50967	12	
10	50968	50977	10	
11	50978	50985	8	
12	14534	14545	12	
13	14546	14558	13	

Total # of Bag(s): 13

Sample Total: 160

Total Number of Bags: 13 Type: Rice

Accepted by (Shipper Rep): _____

Date (mm/dd/yyyy): JAN 22 2008 Time (00:00 hrs): _____

LABORATORY RECEIPT DETAILS:

Received by: _____ Date (mm/dd/yyyy): _____
POLYMET LABS SIGNATURE

Courier: _____ Waybill #: _____

NOTE: LABORATORY TO FILL IN SECURITY TAG NUMBER AND SIGN & FAX OR SCAN/EMAIL C.O.C. TO VAULT MINERALS INC.

HOLE #	BAG #	SAMPLE FROM	SAMPLE TO	BAGS	SECURITY TAG #
MB07-08	1	508851	508863	13	1001
	2	508864	508877	14	1002
	3	508878	508890	13	1003
	4	508891	508907	17	1004
			TOTAL.	57	
MB-07-09	5	508908	508919	12	1005
	6	508920	508931	12	1006
	7	508932	508943	12	1007
	8	508944	508955	12	1008
			TOTAL	48.	
MB-07-10	9	509956	509967	12	1009
	10	509968	509977	10	1010
	11	509978	509985	8	1011
				30	
MB-07-11	~~12~~	~~509986~~	~~145564~~	~~12~~	~~1012~~
	12	145564	145575	12	1012
	13	145576	145588	13	1013
				25	
	13	BAGS.	TOTAL.	160	

TRANS PROVINCIAL FREIGHT CARRIERS LTD.
AN EMPLOYEE PROFIT-SHARING COMPANY

KIRKLAND LAKE (705) 567-9652 | MONTREAL (514) 633-2055 | NEW LISKEARD (705) 647-8855 | NORTH BAY (705) 476-0140 | SAULT STE. MARIE (705) 759-4412
TIMMINS (705) 264-5336 | TORONTO (905) 564-5700 | THUNDER BAY (807) 343-0252 | WAWA (705) 856-2712 | SUDBURY (705) 692-3000

TRANS PROVINCIAL LOGISTICS
(705) 759-0254 1-800-603-3812

Trailer No. .....
Truck No. .....

Bill of Lading - Original - Not Negotiable

(Issued in accordance with the Regulations made under the Public Commercial Vehicles Act)

Shipper's No. .....

SENDER / SHIPPER	IMPORTANT - TELEPHONE	DATE
Vault Minerals Inc.	(705) 567-5711	Jan 23 2023
STREET ADDRESS	**CITY**	**PROV. / STATE**	**POSTAL / ZIP**
53 Waterline	Kirkland Lake	ON	P2N 2Y4

Received at point of origin on this date from the shipper, the goods herein described, in apparent good order, except as noted (contents and conditions of contents of packages unknown) marked consigned and destined as indicated below, which the carrier agrees to carry and deliver to the consignee at the destination if on its own route, otherwise to deliver to another carrier on the route to the destination.

It is agreed as to each carrier of all or any of the goods over all or any portion of the route to destination and as to each party at any time interested in all or any of the goods, that every service to be performed hereunder shall be subject to all the conditions whether printed or written, herein contained, including conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

RECEIVER / CONSIGNEE	IMPORTANT - TELEPHONE	ATTN: (NAME / DEPT.)
Polymet Resources Inc.	(705) 679 5500	Gino Cuinardi
STREET ADDRESS	**CITY**	**PROV. / STATE**	**POSTAL / ZIP**
1 Trelawney St.	Cobalt	ON	P0J 1C0

No. of Pieces or Quantity	Description of Goods and Special Marks Including Dangerous Goods Information	Weight (Subject to Correction)	Rate	Amount
13	Rice Bags Core.			
DIMENSIONS OF SHIPMENT:		TOTAL CUBIC FEET: (10 LBS / CUBIC FOOT)		

INSURANCE:

I want this shipment insured for: $ ..... ☐
I understand there are extra charges for insurance. (CHECK BOX)
Note: Carrier's maximum liability is $2.00 per pound unless additional insurance is purchased herein.
(See condition 10 on back.)

FREIGHT CHARGES:
(will be COLLECT unless marked otherwise)

PREPAID ☐ COLLECT ☐
3rd PARTY ☐

1. Any agreement covering transportation of the goods described, herein with other than due dispatch, or for specific time, must be endorsed on this bill of lading and signed by the parties hereto.
2. When a shipment is at "owner's risk" the words "AT OWNER'S RISK" must be entered and initialled by both parties thereto.
3. Shipment is received subject to the classification and tariffs in effect on the date of the receipt by the carrier of the property described in the original bill of lading.

THIRD PARTY BILLING NAME & ADDRESS

C.O.D.
AMOUNT $ _____
FEE $ _____
C.O.D. FEE PREPAID ☐ C.O.D. FEE COLLECT ☐
CUSTOMER CANCELLATION SUBJECT TO FEES

DRIVER TO COMPLETE AT TIME OF PICK UP

TRUCK NO. _____ TRAILER NO. _____
PCS PICKED UP _____ TIME _____ DATE _____
DRIVER NAME _____
SHIPPER / SENDER _____
(PRINT NAME) _____

DRIVER TO COMPLETE AT TIME OF DELIVERY

TRUCK NO. _____ TRAILER NO. _____
DRIVER NAME _____
RECEIVED IN GOOD ORDER (EXCEPT AS NOTED), FROM TRANS PROVINCIAL FREIGHT CARRIERS LTD., THE GOODS DESCRIBED HEREIN.
RECEIVER / CONSIGNEE _____
(PRINT NAME) _____ DATE _____

(This Bill of Lading is to be signed by the Shipper and Carrier)

APPENDIX C
CHANNEL SAMPLING ASSAY CERTIFICATES

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1
Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: VAULT MINERALS INC.
36 PROSPECT AVENUE
KIRKLAND LAKE ON P2N 2V4

Finalized Date: 7-NOV-2007
Account: VAUMIN

CERTIFICATE TM07110186

Project: KLN

P.O. No.:

This report is for 84 Rock samples submitted to our lab in Timmins, ON, Canada on 26-SEP-2007.

The following have access to data associated with this certificate:

DAN MCCORMACK	VAULT MINERALS	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
LOG-24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Ag-OG46	Ore Grade Ag - Aqua Regia	VARIABLE
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Zn-OG46	Ore Grade Zn - Aqua Regia	VARIABLE
Pb-OG46	Ore Grade Pb - Aqua Regia	VARIABLE
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: VAULT MINERALS INC.
ATTN: VAULT MINERALS
36 PROSPECT AVENUE
KIRKLAND LAKE ON P2N 2V4

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: Lawrence Ng

Lawrence Ng, Laboratory Manager - Vancouver

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Finalized Date: 7-NOV-2007
Account: VAUMIN

Project: KLN

CERTIFICATE OF ANALYSIS TM07110186

Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Sample Description LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
32680	2.79	0.011	0.3	2.94	<2	<10	40	0.8	2	4.42	<0.5	43	71	118	9.03
32681	2.48	0.516	0.6	2.87	53	<10	40	1.0	<2	3.45	<0.5	48	57	99	9.53
32682	3.39	0.010	<0.2	2.82	<2	<10	40	0.8	<2	4.26	<0.5	46	62	84	9.03
32683	3.62	0.004	<0.2	2.95	3	<10	30	0.7	<2	5.44	<0.5	43	62	82	9.27
32684	2.60	0.010	0.2	2.52	6	<10	30	1.0	<2	5.07	<0.5	44	49	113	8.74
32685	2.16	0.003	0.2	3.57	<2	<10	30	0.6	<2	4.51	<0.5	46	82	104	9.41
32686	1.67	0.007	0.3	2.25	7	<10	30	0.8	<2	5.47	<0.5	41	42	110	8.76
32687	2.81	0.512	1.1	2.04	49	<10	60	1.0	<2	5.54	<0.5	47	40	135	8.48
32688	2.02	0.017	0.3	2.27	17	<10	30	0.9	<2	4.65	<0.5	39	44	239	7.85
32689	1.71	0.005	0.3	3.44	11	<10	80	0.8	<2	5.56	<0.5	46	78	110	9.69
32690	5.56	0.099	0.4	2.88	43	<10	130	0.9	<2	4.27	<0.5	50	63	132	9.39
32691	3.36	0.168	0.6	2.72	11	<10	50	1.2	<2	5.40	<0.5	43	56	164	8.71
32692	2.27	0.007	<0.2	2.99	4	<10	40	0.9	<2	4.18	<0.5	41	65	167	9.38
32693	1.22	0.007	<0.2	2.20	11	<10	40	1.1	<2	4.79	<0.5	38	46	102	8.34
32694	1.13	0.021	0.3	2.15	5	<10	70	0.8	<2	5.97	<0.5	51	52	483	9.15
32695	2.04	0.447	0.5	2.93	22	<10	90	1.0	<2	3.94	<0.5	44	63	160	9.23
32696	2.78	0.006	<0.2	0.82	8	<10	100	<0.5	<2	0.89	<0.5	20	26	43	3.06
32697	3.33	0.003	<0.2	0.68	4	<10	110	0.5	<2	0.31	<0.5	19	19	114	2.80
32698	2.78	0.003	<0.2	0.58	4	<10	100	<0.5	<2	0.65	<0.5	16	18	63	2.57
32699	4.51	0.003	<0.2	0.61	6	<10	140	0.5	<2	0.96	<0.5	16	15	65	2.44
32700	2.61	0.003	<0.2	0.63	3	<10	270	<0.5	<2	1.34	<0.5	15	15	98	2.70
32610	3.76	0.006	<0.2	1.67	24	<10	50	0.6	<2	6.66	<0.5	27	194	12	7.38
32611	1.06	0.002	<0.2	0.40	2	<10	40	<0.5	<2	0.18	<0.5	2	9	4	1.11
32612	0.57	0.002	<0.2	0.08	2	<10	1770	<0.5	<2	3.28	<0.5	6	15	4	2.09
32613	0.91	0.001	<0.2	0.29	3	<10	150	<0.5	<2	3.30	<0.5	8	9	18	1.99
32614	1.38	0.007	<0.2	0.15	<2	<10	870	<0.5	<2	2.92	<0.5	5	10	10	1.95
32615	2.56	0.001	0.5	0.17	4	<10	1210	<0.5	<2	4.56	<0.5	9	7	10	2.40
32616	0.70	0.001	<0.2	0.11	2	<10	50	<0.5	<2	4.87	<0.5	5	13	13	2.96
32617	0.84	0.001	<0.2	0.21	7	<10	40	<0.5	<2	4.94	<0.5	5	13	12	2.74
32618	3.09	<0.001	<0.2	1.09	2	<10	470	0.5	<2	3.15	<0.5	17	137	35	3.38
32619	1.07	0.002	<0.2	0.51	<2	<10	50	<0.5	<2	0.20	<0.5	2	8	5	1.33
32734	1.42	0.016	<0.2	2.21	103	<10	70	2.4	<2	0.19	<0.5	63	58	153	7.69
32735	2.38	0.004	0.2	3.97	30	<10	60	0.9	<2	0.65	0.5	52	192	101	9.12
32736	2.78	0.003	<0.2	3.94	18	<10	60	0.8	<2	2.00	<0.5	50	300	107	8.81
32737	2.12	0.005	0.2	3.57	31	<10	60	0.8	<2	2.20	<0.5	56	227	124	9.14
32738	2.71	0.005	<0.2	3.49	15	<10	60	0.9	<2	2.19	<0.5	54	78	113	9.83
32739	3.32	<0.001	<0.2	2.38	20	<10	50	1.2	<2	5.57	<0.5	48	45	139	8.29
32740	3.77	0.002	<0.2	3.93	9	<10	40	0.7	<2	5.26	<0.5	47	82	129	8.82
32741	2.98	0.001	<0.2	4.62	6	<10	40	0.7	<2	4.48	<0.5	47	94	113	9.70
32742	3.26	0.002	<0.2	3.36	17	<10	30	0.8	<2	5.01	<0.5	47	86	111	9.27

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To: VAULT MINERALS INC.
36 PROSPECT AVENUE
KIRKLAND LAKE ON P2N 2V4

Finalized Date: 7-NOV-2007
Account: VAUMIN

Project: KLN

CERTIFICATE OF ANALYSIS TM07110186

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
32680		10	<1	0.11	<10	2.04	1815	<1	0.02	72	940	2	0.24	2	18	76
32681		10	<1	0.15	<10	1.76	1995	40	0.02	71	1150	5	1.05	2	16	60
32682		10	1	0.14	<10	1.81	1930	<1	0.02	66	1000	2	0.14	<2	16	64
32683		10	<1	0.12	<10	2.44	2250	<1	0.03	58	860	2	0.12	<2	18	72
32684		10	<1	0.14	<10	1.75	2120	1	0.02	60	960	<2	0.17	<2	15	57
32685		10	1	0.11	<10	1.82	1840	1	0.03	70	960	4	0.13	<2	22	59
32686		10	<1	0.14	<10	1.53	1910	1	0.02	64	810	6	0.18	2	16	76
32687		10	2	0.14	<10	2.16	2320	41	0.02	51	810	9	1.74	3	14	82
32688		10	1	0.16	<10	1.96	2010	1	0.02	54	820	3	0.29	2	15	68
32689		10	1	0.13	<10	2.17	2390	1	0.03	68	990	4	0.12	2	23	65
32690		10	2	0.15	<10	1.99	1900	13	0.02	66	1000	8	1.33	<2	16	62
32691		10	3	0.18	<10	2.19	2340	11	0.02	59	890	5	0.60	<2	18	70
32692		10	3	0.13	<10	1.93	2140	<1	0.02	64	950	3	0.17	<2	18	66
32693		10	<1	0.18	<10	1.82	2390	1	0.02	56	890	4	0.19	3	15	81
32694		10	2	0.14	<10	2.49	2200	1	0.03	67	910	3	1.89	<2	17	114
32695		10	2	0.16	<10	2.12	1880	61	0.02	64	1050	6	1.49	4	15	73
32696		<10	<1	0.14	30	0.59	504	2	0.03	88	1010	28	0.07	<2	4	117
32697		<10	<1	0.15	40	0.17	498	2	0.03	94	1140	31	0.05	2	4	74
32698		<10	<1	0.12	30	0.30	615	1	0.03	72	1030	21	0.05	3	5	101
32699		<10	<1	0.16	40	0.41	536	1	0.03	72	1080	10	0.04	<2	4	138
32700		<10	<1	0.13	40	0.57	559	1	0.02	95	1310	9	0.12	2	4	164
32610		<10	<1	0.08	10	3.29	2660	2	0.02	188	2810	3	0.14	3	15	277
32611		<10	<1	0.25	40	0.18	132	<1	0.04	4	230	7	0.03	<2	2	9
32612		<10	<1	0.02	<10	1.48	416	<1	0.02	19	440	3	0.06	<2	1	417
32613		<10	<1	0.11	20	1.48	587	<1	0.02	31	570	18	0.03	<2	2	420
32614		<10	<1	0.04	10	1.33	472	<1	0.02	23	430	24	0.05	2	1	388
32615		<10	1	0.06	10	2.05	764	<1	0.02	32	610	110	0.09	<2	2	569
32616		<10	1	0.04	10	2.15	642	<1	0.02	30	300	172	0.02	<2	2	735
32617		<10	1	0.05	<10	2.18	689	1	0.02	36	270	155	0.01	<2	2	687
32618		<10	<1	0.17	30	2.31	736	<1	0.04	71	1120	4	0.03	<2	7	349
32619		<10	2	0.33	50	0.25	168	<1	0.05	5	320	11	0.02	<2	3	10
32734		<10	<1	0.21	10	0.64	1730	1	0.01	98	530	6	0.13	6	20	11
32735		10	1	0.10	10	1.70	1570	1	0.04	105	1430	4	0.13	<2	21	30
32736		10	2	0.06	10	2.43	1570	<1	0.05	116	1660	3	0.06	<2	28	69
32737		10	1	0.10	10	2.00	1660	2	0.05	102	1560	7	0.15	<2	24	75
32738		10	2	0.13	<10	1.34	1870	1	0.03	79	1110	7	0.12	<2	21	47
32739		10	2	0.22	<10	2.03	2850	<1	0.02	61	950	3	0.19	<2	16	86
32740		10	1	0.10	<10	2.33	1990	<1	0.04	61	950	6	0.15	<2	29	173
32741		10	<1	0.07	<10	2.88	1590	<1	0.04	64	990	7	0.10	<2	32	179
32742		10	1	0.09	<10	2.70	1650	<1	0.04	70	990	6	0.09	<2	26	143

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To: VAULT MINERALS INC.
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Finalized Date: 7-NOV-2007
Account: VAUMIN

Project: KLN

CERTIFICATE OF ANALYSIS TM07110186

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Ag-OG46	Zn-OG46	Pb-OG46	ME-ICP41
	Analyte	Te	Th	Ti	Tl	U	V	W	Zn	Ag	Zn	Pb	Zr
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	LOR	10	20	0.01	10	10	1	10	2	1	0.01	0.01	5
32680		<10	<20	0.01	<10	<10	137	<10	84				<5
32681		<10	<20	0.01	<10	<10	136	<10	86				<5
32682		<10	<20	0.01	<10	<10	130	<10	86				<5
32683		<10	<20	0.01	<10	<10	146	<10	91				<5
32684		<10	<20	0.01	<10	<10	106	<10	81				<5
32685		<10	<20	0.01	<10	<10	199	<10	105				<5
32686		<10	<20	0.02	10	<10	100	<10	75				<5
32687		<10	<20	0.01	<10	<10	103	<10	69				<5
32688		<10	<20	0.01	<10	<10	97	<10	72				<5
32689		<10	<20	0.01	10	<10	185	<10	98				<5
32690		<10	<20	0.01	10	<10	128	<10	89				<5
32691		<10	<20	0.01	<10	<10	126	<10	80				<5
32692		<10	<20	0.01	<10	<10	136	<10	91				<5
32693		<10	<20	0.01	10	<10	91	<10	67				<5
32694		<10	<20	0.01	10	<10	99	<10	65				<5
32695		<10	<20	0.01	<10	<10	121	<10	85				<5
32696		<10	<20	<0.01	<10	<10	11	<10	81				19
32697		<10	<20	<0.01	<10	<10	10	<10	72				16
32698		<10	<20	<0.01	<10	<10	10	<10	66				23
32699		<10	<20	<0.01	<10	<10	8	<10	52				24
32700		<10	<20	<0.01	<10	<10	9	<10	52				18
32610		<10	<20	<0.01	<10	<10	66	<10	64				15
32611		<10	20	0.05	<10	<10	13	<10	29				16
32612		<10	<20	<0.01	<10	<10	4	<10	25				6
32613		<10	<20	<0.01	<10	<10	4	<10	40				29
32614		<10	<20	<0.01	<10	<10	3	<10	30				10
32615		<10	<20	<0.01	<10	<10	4	<10	46				11
32616		<10	<20	<0.01	<10	<10	8	<10	62				7
32617		<10	<20	<0.01	<10	<10	9	<10	51				5
32618		<10	<20	0.01	10	<10	37	<10	58				23
32619		<10	20	0.08	<10	<10	15	<10	38				21
32734		<10	<20	0.01	10	<10	87	<10	60				5
32735		<10	<20	0.03	<10	<10	210	<10	114				8
32736		10	<20	0.02	<10	<10	237	<10	118				11
32737		<10	<20	0.02	<10	<10	194	<10	120				8
32738		10	<20	0.02	<10	<10	173	<10	119				<5
32739		10	<20	0.02	<10	<10	101	<10	87				<5
32740		<10	<20	0.03	<10	<10	241	<10	107				<5
32741		10	<20	0.03	<10	<10	274	<10	107				<5
32742		<10	<20	0.01	<10	<10	200	10	113				<5

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To: VAULT MINERALS INC.
36 PROSPECT AVENUE
KIRKLAND LAKE ON P2N 2V4

Finalized Date: 7-NOV-2007
Account: VAUMIN

Project: KLN

CERTIFICATE OF ANALYSIS TM07110186

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
32743		2.20	0.003	0.2	2.94	27	<10	60	1.1	<2	3.39	<0.5	61	96	148	9.62
32744		2.10	0.002	0.2	3.00	16	<10	60	1.1	<2	3.59	<0.5	48	63	119	9.66
32745		2.17	0.010	<0.2	2.89	21	<10	60	1.2	<2	2.64	<0.5	49	51	207	9.19
32746		2.07	0.089	0.4	2.64	35	<10	70	1.3	<2	0.88	<0.5	43	68	122	8.45
32747		2.09	0.003	<0.2	2.14	17	<10	60	1.4	<2	3.12	<0.5	43	59	123	8.09
32748		3.03	0.006	<0.2	3.06	26	<10	70	1.2	<2	1.63	<0.5	47	65	137	8.98
32749		2.60	0.010	0.2	4.03	30	<10	130	0.9	<2	0.94	<0.5	61	98	103	10.60
32750		1.66	0.002	0.2	3.76	33	<10	90	1.2	<2	2.38	<0.5	60	63	122	10.75
32651		3.98	0.004	<0.2	1.85	10	<10	190	<0.5	<2	2.25	<0.5	27	83	47	4.63
32652		1.62	0.002	0.2	1.65	5	<10	240	<0.5	<2	1.54	<0.5	25	90	46	4.34
32653		2.04	0.003	<0.2	1.81	7	<10	210	<0.5	<2	3.43	<0.5	27	149	59	4.83
32654		1.72	0.004	<0.2	1.78	<2	<10	940	<0.5	<2	2.06	<0.5	25	68	53	4.35
32655		1.89	0.001	<0.2	2.59	<2	<10	100	0.9	<2	2.90	<0.5	53	59	118	8.72
32656		2.09	0.001	<0.2	3.10	7	<10	90	0.8	<2	3.26	<0.5	51	69	117	9.45
32657		2.31	0.006	0.2	3.15	4	<10	70	0.6	<2	3.51	<0.5	50	63	114	9.42
32658		1.70	0.005	<0.2	3.02	12	<10	60	<0.5	<2	1.97	<0.5	44	63	105	9.62
28651		0.48	0.008	0.2	0.41	<2	<10	130	<0.5	<2	2.96	<0.5	24	16	66	5.92
28652		0.04	0.056	>100	0.01	66	<10	<10	<0.5	6	0.01	907	32	162	287	10.25
28653		2.45	0.004	0.3	0.75	6	<10	90	0.5	<2	0.27	0.6	21	20	76	3.16
28654		2.83	0.006	<0.2	0.90	6	<10	570	<0.5	<2	2.73	0.5	20	39	46	3.31
28655		2.32	0.003	<0.2	0.74	2	<10	270	0.5	<2	0.74	<0.5	17	20	99	2.66
28656		2.45	0.004	<0.2	0.70	<2	<10	370	0.6	<2	0.70	<0.5	13	15	43	2.31
28657		2.01	0.004	<0.2	0.92	23	<10	100	<0.5	<2	1.36	<0.5	25	32	64	4.08
28658		2.67	0.005	0.4	0.75	10	10	90	0.5	<2	2.03	<0.5	15	21	57	3.44
28659		2.74	0.005	<0.2	0.98	33	<10	90	0.5	<2	1.45	<0.5	20	33	63	3.60
28660		3.81	0.005	0.2	0.90	36	10	90	0.5	<2	1.80	0.5	18	28	57	3.66
28661		1.96	0.005	0.2	1.27	12	<10	100	0.6	<2	1.20	<0.5	15	29	41	2.87
28662		2.20	0.006	<0.2	0.99	65	<10	110	<0.5	<2	1.56	0.6	23	30	58	3.96
28663		2.53	0.005	<0.2	1.12	64	10	100	<0.5	<2	0.99	<0.5	29	39	57	4.61
28664		2.52	0.012	<0.2	1.06	46	<10	110	<0.5	<2	1.99	<0.5	22	42	51	4.25
28665		1.86	0.005	<0.2	1.39	36	<10	100	<0.5	<2	1.76	<0.5	24	51	80	4.16
28666		2.33	0.005	<0.2	1.44	31	<10	110	0.5	<2	1.38	<0.5	25	50	63	4.32
28667		3.94	0.004	<0.2	1.44	16	<10	100	0.5	<2	0.88	<0.5	25	51	72	4.31
28668		1.91	1.000	0.7	1.92	75	<10	60	0.5	<2	3.16	<0.5	40	78	109	7.65
28669		0.04	0.069	>100	0.01	66	<10	<10	<0.5	6	0.01	890	29	156	278	10.00
28670		2.54	0.004	<0.2	0.34	5	<10	140	<0.5	<2	1.39	0.6	9	6	14	2.07
28671		3.21	0.027	0.2	0.73	3	<10	80	<0.5	<2	3.04	<0.5	26	23	56	4.74
28672		2.41	0.003	<0.2	0.51	6	<10	330	<0.5	<2	1.86	<0.5	23	14	43	4.27
28673		1.96	0.005	<0.2	0.56	9	<10	120	<0.5	<2	2.99	<0.5	19	15	37	4.19
28674		1.62	0.046	<0.2	0.93	2	<10	100	<0.5	<2	0.64	<0.5	22	18	37	3.68

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To: VAULT MINERALS INC.
36 PROSPECT AVENUE
KIRKLAND LAKE ON P2N 2V4

Finalized Date: 7-NOV-2007
Account: VAUMIN

Project: KLN

CERTIFICATE OF ANALYSIS TM07110186

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
32743		10	<1	0.12	<10	1.67	2060	<1	0.02	100	1310	10	0.19	<2	19	73
32744		10	<1	0.16	<10	1.61	2420	1	0.03	67	940	6	0.20	<2	20	73
32745		10	<1	0.18	<10	1.36	2340	2	0.02	82	1030	6	0.21	<2	19	59
32746		10	1	0.26	<10	0.83	1700	48	0.01	85	410	7	0.42	<2	18	17
32747		<10	<1	0.23	<10	1.35	2110	<1	0.02	79	420	4	0.07	<2	23	60
32748		10	1	0.23	<10	1.32	1920	1	0.02	82	480	2	0.05	<2	22	40
32749		10	1	0.17	<10	1.52	2030	1	0.04	87	1140	3	0.39	<2	26	37
32750		10	<1	0.17	<10	1.36	2190	1	0.02	75	1100	8	0.18	3	21	49
32651		10	1	0.23	20	1.39	875	1	0.06	105	840	5	0.06	<2	7	91
32652		10	1	0.20	20	1.15	757	1	0.05	85	810	2	0.04	<2	7	75
32653		10	<1	0.20	30	1.91	1000	<1	0.06	104	1170	3	0.07	<2	10	166
32654		10	<1	0.20	20	1.44	705	6	0.05	89	590	3	0.05	<2	8	119
32655		10	1	0.18	<10	1.19	2290	<1	0.03	77	1090	2	0.08	<2	17	48
32656		10	<1	0.17	<10	1.45	2400	<1	0.04	68	990	2	0.04	<2	19	56
32657		10	<1	0.18	<10	1.54	2360	1	0.04	75	1100	5	0.13	<2	21	59
32658		10	1	0.15	<10	1.11	3000	1	0.03	72	1050	6	0.06	3	20	38
28651		<10	<1	0.16	10	0.61	1720	1	0.03	88	440	189	0.02	<2	6	101
28652		10	2	<0.01	<10	<0.01	2220	<1	<0.01	3	<10	>10000	>10.0	241	<1	<1
28653		<10	<1	0.16	40	0.20	571	1	0.03	84	1040	33	0.09	<2	4	62
28654		<10	1	0.19	20	1.34	677	1	0.04	113	1150	10	0.02	<2	8	220
28655		<10	<1	0.19	40	0.39	512	1	0.03	104	1240	13	0.01	<2	3	104
28656		<10	<1	0.25	50	0.24	463	1	0.03	70	1390	9	0.02	<2	3	109
28657		<10	<1	0.22	20	1.02	700	1	0.05	102	850	43	0.03	<2	9	134
28658		<10	<1	0.18	30	1.10	601	1	0.05	74	940	58	0.06	<2	5	244
28659		<10	<1	0.22	20	1.01	571	<1	0.05	89	780	23	0.05	<2	7	133
28660		<10	<1	0.23	20	1.15	605	1	0.05	80	740	23	0.08	<2	7	183
28661		<10	1	0.22	40	0.85	464	1	0.03	87	1030	67	0.02	<2	3	168
28662		<10	<1	0.22	20	0.77	752	2	0.03	88	870	35	0.03	<2	8	144
28663		<10	<1	0.21	20	0.75	798	3	0.04	109	880	47	0.04	<2	10	91
28664		<10	<1	0.18	20	1.09	737	1	0.04	103	1070	17	0.05	2	9	164
28665		<10	<1	0.19	30	1.22	650	1	0.04	106	930	29	0.04	<2	8	140
28666		<10	1	0.20	30	1.08	740	1	0.05	118	1000	11	0.03	<2	10	117
28667		<10	<1	0.23	30	0.83	725	1	0.05	109	950	10	0.04	<2	10	86
28668		10	<1	0.19	<10	1.58	2020	96	0.03	117	1330	7	1.47	<2	16	71
28669		10	5	<0.01	<10	<0.01	2170	<1	<0.01	3	10	>10000	>10.0	247	<1	<1
28670		<10	<1	0.14	10	0.46	486	1	0.06	27	300	15	0.02	<2	2	63
28671		<10	2	0.22	20	0.92	1160	1	0.03	97	1190	8	0.08	<2	8	104
28672		<10	<1	0.21	20	0.63	1030	1	0.04	55	760	7	0.20	<2	6	113
28673		<10	2	0.23	20	0.71	1100	1	0.04	63	890	8	0.03	<2	7	95
28674		<10	<1	0.21	30	0.15	717	<1	0.04	59	1150	5	0.03	<2	6	30

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KIRKLAND LAKE ON P2N 2V4

Finalized Date: 7-NOV-2007
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CERTIFICATE OF ANALYSIS TM07110186

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Ag-OG46	Zn-OG46	Pb-OG46	ME-ICP41
	Analyte	Te	Th	Ti	Tl	U	V	W	Zn	Ag	Zn	Pb	Zr
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	LOR	10	20	0.01	10	10	1	10	2	1	0.01	0.01	5
32743		<10	<20	0.02	<10	<10	129	<10	110				5
32744		<10	<20	0.02	<10	<10	151	<10	118				<5
32745		<10	<20	0.02	<10	<10	123	<10	113				<5
32746		10	<20	0.01	<10	<10	110	<10	77				<5
32747		<10	<20	0.01	<10	<10	100	<10	68				<5
32748		<10	<20	0.01	<10	<10	120	<10	81				<5
32749		10	<20	0.03	<10	<10	219	<10	136				<5
32750		<10	<20	0.02	<10	<10	165	<10	115				<5
32651		<10	<20	0.01	<10	<10	40	10	79				24
32652		<10	<20	0.01	<10	<10	37	<10	80				23
32653		<10	<20	0.01	<10	<10	44	<10	78				31
32654		<10	<20	0.01	<10	<10	43	<10	76				20
32655		10	<20	0.02	<10	<10	129	<10	104				<5
32656		10	<20	0.02	<10	<10	159	10	121				<5
32657		10	<20	0.02	<10	<10	154	<10	98				<5
32658		<10	<20	0.02	<10	<10	142	<10	87				<5
28651		<10	<20	0.01	<10	<10	21	<10	64				16
28652		<10	<20	<0.01	<10	<10	<1	10	>10000	220	25.7	2.38	<5
28653		<10	<20	<0.01	<10	<10	12	<10	149				27
28654		<10	<20	<0.01	<10	<10	18	<10	82				24
28655		<10	<20	<0.01	<10	<10	9	<10	60				25
28656		<10	<20	<0.01	<10	<10	8	<10	52				12
28657		<10	<20	<0.01	<10	<10	22	<10	63				23
28658		<10	<20	<0.01	<10	<10	14	<10	67				19
28659		<10	<20	<0.01	<10	<10	20	<10	82				21
28660		<10	<20	<0.01	<10	<10	19	<10	93				18
28661		<10	<20	<0.01	<10	<10	15	<10	84				23
28662		<10	<20	<0.01	<10	<10	21	<10	70				22
28663		<10	<20	0.01	<10	<10	27	<10	79				26
28664		<10	<20	<0.01	<10	<10	28	<10	78				21
28665		<10	<20	0.01	<10	<10	40	<10	89				19
28666		<10	<20	0.01	<10	<10	35	<10	75				22
28667		<10	<20	0.01	<10	<10	27	<10	65				22
28668		10	<20	0.01	<10	<10	106	<10	69				8
28669		<10	<20	<0.01	<10	<10	<1	10	>10000	218	25.6	2.37	<5
28670		<10	<20	<0.01	<10	<10	4	<10	119				12
28671		<10	<20	<0.01	<10	<10	17	<10	67				22
28672		<10	<20	<0.01	<10	<10	14	<10	57				34
28673		<10	<20	<0.01	<10	<10	14	<10	55				32
28674		<10	<20	0.01	<10	<10	19	<10	40				20

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Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
32620		0.68	0.004	<0.2	1.59	6	<10	900	<0.5	<2	9.12	<0.5	16	15	306	2.81
32621		2.33	0.004	<0.2	1.41	<2	<10	630	0.6	<2	2.67	<0.5	20	112	16	3.44
32622		0.86	0.060	<0.2	2.40	4	<10	740	0.5	<2	0.56	<0.5	23	236	21	4.47
32623		1.86	0.006	0.3	0.34	149	<10	40	<0.5	<2	1.15	0.5	23	4	29	3.67

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Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: VAULT MINERALS INC.
36 PROSPECT AVENUE
KIRKLAND LAKE ON P2N 2V4

Finalized Date: 7-NOV-2007
Account: VAUMIN

Project: KLN

CERTIFICATE OF ANALYSIS TM07110186

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
32620		10	1	0.13	10	1.64	895	<1	0.05	43	530	12	0.31	2	4	7030
32621		<10	<1	0.30	60	1.49	757	<1	0.03	183	3440	8	0.02	<2	8	512
32622		10	1	0.05	30	2.47	377	<1	0.07	96	1260	5	0.02	<2	9	132
32623		<10	<1	0.08	<10	0.17	358	5	0.09	48	240	14	3.13	<2	1	38

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CERTIFICATE OF ANALYSIS TM07110186

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Ag-OG46	Zn-OG46	Pb-OG46	ME-ICP41
	Analyte	Te	Th	Ti	Tl	U	V	W	Zn	Ag	Zn	Pb	Zr
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	LOR	10	20	0.01	10	10	1	10	2	1	0.01	0.01	5
32620		<10	50	<0.01	<10	<10	26	<10	92				14
32621		<10	<20	0.01	<10	<10	29	<10	50				<5
32622		10	<20	0.01	<10	<10	104	<10	84				36
32623		<10	<20	<0.01	<10	<10	2	<10	61				15

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KIRKLAND LAKE ON P2N 2V4

Finalized Date: 8-NOV-2007
Account: VAUMIN

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CERTIFICATE TM07110188

Project: KLN

P.O. No.:

This report is for 113 Rock samples submitted to our lab in Timmins, ON, Canada on 27-SEP-2007.

The following have access to data associated with this certificate:

DAN MCCORMACK	VAULT MINERALS	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: VAULT MINERALS INC.
ATTN: VAULT MINERALS
36 PROSPECT AVENUE
KIRKLAND LAKE ON P2N 2V4

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: Lawrence Ng

Lawrence Ng, Laboratory Manager - Vancouver

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CERTIFICATE OF ANALYSIS TM07110188

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
32551		1.42	0.010	<0.2	0.47	14	<10	100	<0.5	<2	2.46	<0.5	40	18	71	5.45
32552		1.94	0.004	<0.2	0.48	12	<10	110	<0.5	<2	2.48	<0.5	35	24	65	5.80
32553		1.37	0.004	<0.2	0.47	9	<10	110	<0.5	<2	2.89	<0.5	25	7	62	5.57
32554		2.60	0.009	<0.2	0.41	16	<10	80	<0.5	<2	2.65	<0.5	25	17	76	3.46
32555		3.01	0.017	<0.2	0.43	5	<10	90	<0.5	<2	2.70	<0.5	32	18	71	5.75
32556		2.71	0.004	<0.2	0.42	9	<10	110	<0.5	<2	2.18	<0.5	31	16	75	5.85
32557		4.04	0.005	0.2	0.46	5	<10	110	<0.5	<2	2.48	<0.5	34	20	71	5.68
32558		4.41	0.004	<0.2	0.44	10	<10	140	<0.5	<2	3.14	<0.5	29	20	60	5.18
32559		3.72	0.008	<0.2	0.43	7	<10	110	<0.5	<2	2.37	<0.5	34	20	62	4.50
32560		2.77	0.003	<0.2	0.43	4	<10	300	<0.5	<2	2.53	<0.5	27	19	53	4.64
32561		3.14	0.006	0.3	0.47	4	<10	190	<0.5	<2	3.37	<0.5	26	26	66	3.82
32562		4.36	0.035	<0.2	0.63	14	<10	140	<0.5	<2	2.85	<0.5	27	29	63	4.68
32563		2.59	0.005	0.2	0.36	9	<10	1860	<0.5	<2	3.69	<0.5	23	16	45	3.93
32564		2.77	0.005	0.5	0.68	5	<10	350	<0.5	<2	2.50	<0.5	22	24	51	3.85
32565		2.94	0.006	<0.2	0.68	6	<10	90	<0.5	<2	2.30	<0.5	25	27	53	4.11
32566		2.98	0.005	<0.2	0.61	9	<10	130	<0.5	2	2.33	<0.5	22	17	54	3.85
32567		3.24	0.008	<0.2	0.46	10	<10	130	<0.5	<2	1.98	<0.5	29	16	64	4.66
32568		3.10	0.003	0.2	0.46	17	<10	170	<0.5	<2	2.87	<0.5	29	22	58	4.48
32569		2.69	0.010	<0.2	0.46	7	<10	270	<0.5	<2	2.88	<0.5	31	19	56	4.62
32570		2.79	0.012	0.2	0.42	15	<10	90	<0.5	<2	1.85	<0.5	24	14	52	4.23
32571		2.35	0.004	<0.2	0.47	8	<10	370	<0.5	<2	2.67	<0.5	30	23	67	5.56
32572		2.86	0.005	<0.2	0.50	5	<10	330	<0.5	<2	2.22	<0.5	32	24	59	4.89
32573		3.43	0.009	<0.2	0.57	<2	<10	520	<0.5	<2	2.93	<0.5	23	25	51	4.36
32574		2.50	0.008	0.2	0.48	<2	<10	110	<0.5	<2	2.14	<0.5	30	15	53	3.73
32575		1.92	0.014	0.4	0.49	6	<10	70	<0.5	<2	2.61	<0.5	32	14	64	4.92
32576		2.35	0.023	0.2	0.57	13	<10	380	<0.5	<2	4.26	<0.5	31	27	67	4.62
32577		3.31	0.003	<0.2	0.40	10	<10	180	<0.5	<2	2.08	<0.5	23	12	45	3.88
32578		2.93	0.005	<0.2	0.47	5	<10	80	<0.5	<2	2.12	<0.5	30	18	59	4.56
32579		2.36	0.004	<0.2	0.48	8	<10	60	<0.5	3	1.78	<0.5	26	16	63	4.70
32580		2.46	0.003	0.2	0.57	17	<10	90	<0.5	<2	2.46	<0.5	33	16	67	5.15
32581		3.22	0.007	<0.2	0.57	7	<10	90	<0.5	<2	2.12	<0.5	32	20	64	4.85
32582		1.34	0.004	0.2	0.57	5	<10	90	<0.5	<2	1.75	<0.5	27	18	60	4.10
32583		3.03	0.005	<0.2	0.51	11	<10	170	<0.5	<2	3.09	<0.5	26	17	55	4.22
32584		2.69	0.005	<0.2	0.66	2	<10	120	<0.5	<2	3.10	<0.5	29	25	65	4.78
32585		3.26	0.016	<0.2	1.10	5	<10	170	<0.5	<2	3.27	<0.5	33	108	71	5.08
32586		4.07	0.005	<0.2	1.54	6	<10	160	<0.5	<2	2.91	<0.5	35	172	74	4.99
32587		3.18	0.003	<0.2	1.58	12	<10	120	<0.5	<2	2.37	<0.5	28	121	65	4.80
32588		2.91	0.005	0.2	1.28	13	<10	710	<0.5	<2	2.06	<0.5	26	79	60	4.11
32589		1.32	0.004	0.3	1.49	11	<10	290	<0.5	<2	2.93	<0.5	33	74	50	4.90
32590		2.03	0.003	<0.2	1.50	<2	<10	230	<0.5	<2	2.02	<0.5	23	122	56	4.24

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To: VAULT MINERALS INC.
36 PROSPECT AVENUE
KIRKLAND LAKE ON P2N 2V4

Finalized Date: 8-NOV-2007
Account: VAUMIN

Project: KLN

CERTIFICATE OF ANALYSIS TM07110188

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
32551		<10	<1	0.20	10	0.86	1195	3	0.03	147	930	7	0.12	2	11	149
32552		<10	<1	0.20	10	0.91	1190	<1	0.03	159	1200	12	0.07	<2	11	162
32553		<10	<1	0.22	10	1.22	1145	<1	0.04	76	1170	5	0.08	<2	10	185
32554		<10	<1	0.20	20	0.84	997	<1	0.03	114	1020	7	0.05	3	10	100
32555		<10	<1	0.20	10	0.95	1220	6	0.03	125	1100	17	0.18	<2	11	170
32556		<10	<1	0.18	10	1.02	1085	<1	0.03	122	1020	3	0.06	2	11	119
32557		<10	<1	0.20	10	1.00	1240	<1	0.03	143	1210	12	0.08	2	11	141
32558		<10	<1	0.20	10	1.31	1210	<1	0.04	127	940	2	0.10	<2	11	169
32559		<10	<1	0.15	10	0.99	1060	1	0.02	111	830	22	0.17	2	11	139
32560		<10	<1	0.15	10	0.96	1170	<1	0.03	109	1030	16	0.04	<2	10	134
32561		<10	<1	0.14	20	1.20	1215	1	0.02	96	1120	8	0.09	2	10	174
32562		<10	<1	0.17	20	1.31	1115	1	0.03	102	1070	6	0.14	<2	10	153
32563		<10	<1	0.14	10	1.33	1040	1	0.02	85	830	10	0.13	4	9	240
32564		<10	<1	0.16	10	1.02	865	1	0.03	99	900	4	0.07	2	8	149
32565		<10	<1	0.15	10	1.09	895	4	0.02	113	950	3	0.07	2	9	133
32566		<10	<1	0.17	10	0.86	1015	1	0.02	91	940	10	0.08	3	7	137
32567		<10	<1	0.19	10	0.88	1140	2	0.03	110	1120	9	0.10	<2	10	123
32568		<10	<1	0.17	10	1.06	1220	1	0.02	124	970	6	0.07	<2	11	169
32569		<10	<1	0.17	10	1.11	1170	1	0.02	103	980	4	0.12	<2	11	204
32570		<10	<1	0.16	10	0.70	960	1	0.02	98	930	5	0.05	<2	9	128
32571		<10	<1	0.17	10	1.09	1255	<1	0.03	118	1150	7	0.11	<2	12	169
32572		<10	<1	0.15	10	1.00	1025	1	0.03	113	940	5	0.12	3	10	143
32573		<10	<1	0.16	10	1.24	1110	3	0.03	102	1050	8	0.09	<2	9	198
32574		<10	<1	0.16	10	0.69	1000	1	0.02	99	970	9	0.20	<2	10	113
32575		<10	<1	0.17	10	1.05	1205	1	0.03	107	840	10	0.19	3	10	150
32576		<10	<1	0.19	10	1.47	1320	6	0.02	118	1230	16	0.18	3	10	246
32577		<10	<1	0.14	10	0.82	940	1	0.03	87	1050	6	0.09	<2	7	136
32578		<10	<1	0.18	10	0.75	1195	1	0.02	117	1280	11	0.11	<2	9	137
32579		<10	<1	0.18	20	0.67	1075	1	0.02	113	1030	12	0.14	<2	10	105
32580		<10	1	0.19	10	0.97	1310	1	0.02	136	1120	8	0.14	<2	10	170
32581		<10	<1	0.18	10	0.90	1260	1	0.02	118	1160	10	0.11	<2	10	140
32582		<10	<1	0.18	10	0.73	976	<1	0.02	107	1190	7	0.11	3	8	118
32583		<10	<1	0.18	10	1.00	1185	2	0.03	109	940	10	0.13	<2	9	179
32584		<10	<1	0.19	20	1.08	1370	<1	0.03	127	1130	8	0.14	<2	11	191
32585		<10	<1	0.17	20	1.20	1480	3	0.03	155	1120	6	0.11	<2	11	201
32586		<10	<1	0.14	20	1.46	1175	4	0.04	152	1100	4	0.18	<2	10	198
32587		<10	<1	0.14	20	1.29	1125	1	0.04	136	980	5	0.10	3	9	156
32588		<10	<1	0.16	20	0.95	935	1	0.03	110	960	5	0.12	<2	7	123
32589		<10	<1	0.17	20	1.42	1135	1	0.03	151	900	6	0.10	2	9	171
32590		<10	<1	0.15	30	1.21	1180	<1	0.05	102	1230	4	0.04	<2	7	87

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CERTIFICATE OF ANALYSIS TM07110188

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Te	Th	Ti	Tl	U	V	W	Zn	Zr
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	10	20	0.01	10	10	1	10	2	5
32551		<10	<20	<0.01	<10	<10	16	<10	59	30
32552		<10	<20	<0.01	<10	10	15	<10	65	20
32553		<10	<20	<0.01	<10	<10	13	<10	65	24
32554		<10	<20	<0.01	<10	<10	12	<10	37	16
32555		<10	<20	<0.01	<10	<10	15	<10	72	20
32556		<10	<20	<0.01	<10	<10	13	<10	70	17
32557		10	<20	<0.01	<10	<10	15	<10	62	22
32558		<10	<20	<0.01	<10	<10	13	<10	51	33
32559		<10	<20	<0.01	<10	<10	13	<10	49	29
32560		<10	<20	<0.01	<10	<10	14	<10	50	28
32561		<10	<20	<0.01	<10	<10	12	<10	42	31
32562		<10	<20	<0.01	<10	<10	17	<10	56	28
32563		<10	<20	<0.01	<10	<10	14	<10	46	33
32564		<10	<20	<0.01	<10	<10	13	<10	53	32
32565		<10	<20	<0.01	<10	<10	13	<10	58	29
32566		<10	<20	<0.01	<10	<10	11	<10	44	34
32567		<10	<20	<0.01	<10	<10	13	<10	59	28
32568		<10	<20	<0.01	<10	<10	15	<10	51	34
32569		<10	<20	<0.01	<10	<10	13	<10	60	31
32570		<10	<20	<0.01	<10	<10	11	<10	54	25
32571		<10	<20	<0.01	<10	<10	17	<10	69	28
32572		<10	<20	<0.01	<10	<10	15	<10	57	28
32573		<10	<20	<0.01	<10	<10	14	<10	50	22
32574		<10	<20	<0.01	<10	<10	12	<10	35	29
32575		<10	<20	<0.01	<10	<10	14	<10	51	30
32576		<10	<20	<0.01	<10	<10	23	<10	61	28
32577		<10	<20	<0.01	<10	<10	10	<10	38	29
32578		<10	<20	<0.01	<10	<10	12	<10	46	18
32579		<10	<20	<0.01	<10	<10	14	<10	62	32
32580		<10	<20	<0.01	<10	<10	12	<10	57	26
32581		<10	<20	<0.01	<10	<10	16	<10	55	17
32582		<10	<20	<0.01	<10	<10	13	<10	67	18
32583		<10	<20	<0.01	<10	<10	11	<10	51	29
32584		<10	<20	<0.01	<10	<10	15	<10	58	25
32585		<10	<20	<0.01	<10	<10	23	<10	61	31
32586		<10	<20	<0.01	<10	<10	32	<10	72	35
32587		<10	<20	0.01	<10	<10	34	<10	68	30
32588		<10	<20	<0.01	<10	<10	25	<10	63	34
32589		<10	<20	0.01	<10	<10	31	<10	72	30
32590		<10	<20	0.01	<10	<10	34	<10	57	26

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Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
32591		1.01	0.004	<0.2	1.86	7	<10	310	<0.5	<2	2.17	<0.5	30	217	40	4.88
32592		1.38	0.039	<0.2	1.89	14	<10	120	0.5	<2	1.29	<0.5	35	103	61	5.09
32593		2.31	0.010	<0.2	1.57	10	<10	290	0.5	<2	1.42	<0.5	27	98	53	4.10
32594		1.43	0.009	<0.2	2.27	8	<10	230	<0.5	<2	1.85	<0.5	35	159	76	5.19
32595		3.53	0.007	0.2	2.44	6	<10	180	<0.5	<2	1.98	<0.5	31	291	47	5.05
32596		3.02	0.003	<0.2	2.76	12	<10	610	<0.5	<2	3.03	<0.5	30	177	56	5.07
32597		2.22	0.004	<0.2	2.35	14	<10	290	<0.5	<2	2.35	<0.5	28	210	46	4.93
32598		1.47	0.003	0.2	1.82	8	<10	300	<0.5	<2	3.09	<0.5	27	149	47	4.69
32599		0.43	0.002	<0.2	1.86	3	<10	370	<0.5	<2	2.03	<0.5	26	167	48	4.75
32600		2.43	0.007	<0.2	1.65	6	<10	140	<0.5	<2	2.65	<0.5	27	144	56	4.91
32601		1.38	0.004	<0.2	0.22	8	<10	700	<0.5	<2	3.47	<0.5	15	17	8	3.05
32602		1.08	0.005	<0.2	0.38	3	<10	120	<0.5	<2	0.71	<0.5	13	20	35	2.75
32603		0.51	0.002	<0.2	0.65	4	<10	80	<0.5	<2	1.13	<0.5	12	36	29	2.54
32604		0.79	0.018	<0.2	2.82	88	<10	90	0.8	<2	0.30	<0.5	54	224	83	8.41
32605		0.96	0.005	<0.2	1.98	23	<10	80	0.6	<2	0.74	<0.5	30	75	71	8.03
32606		1.55	0.002	<0.2	0.14	14	<10	40	<0.5	<2	3.28	<0.5	8	20	7	3.90
32607		0.82	0.001	<0.2	0.27	<2	<10	60	<0.5	<2	1.05	<0.5	8	14	15	2.60
32608		0.33	0.001	<0.2	0.88	6	<10	810	<0.5	<2	0.79	<0.5	16	31	38	3.14
32609		0.70	0.748	1.2	1.26	110	<10	210	0.8	3	2.00	<0.5	48	40	98	8.32
32701		4.18	0.004	<0.2	2.97	13	<10	50	1.1	<2	4.45	<0.5	48	55	140	9.17
32702		2.04	0.040	0.3	2.80	144	<10	50	2.1	<2	1.08	<0.5	80	71	182	10.25
32703		3.69	0.012	0.5	3.75	32	10	90	1.3	<2	2.31	<0.5	60	327	133	8.60
32704		3.83	0.009	0.2	3.44	37	10	70	1.4	<2	2.32	<0.5	47	195	80	8.91
32705		2.62	0.018	0.2	4.01	39	<10	60	1.4	<2	1.73	<0.5	63	201	108	9.73
32706		1.20	0.017	<0.2	3.67	93	<10	70	1.2	<2	0.27	<0.5	88	73	139	8.53
32707		2.12	0.018	0.3	3.70	62	<10	90	1.1	<2	0.55	<0.5	67	209	124	10.10
32708		1.52	0.008	<0.2	3.69	58	<10	110	1.2	<2	0.67	<0.5	63	105	198	9.93
32709		1.84	0.012	0.3	3.08	47	<10	90	1.2	<2	4.22	<0.5	48	455	68	8.94
32710		2.36	0.007	0.2	4.75	23	<10	40	0.9	<2	0.84	<0.5	55	156	135	10.85
32711		2.97	0.005	0.2	2.71	22	<10	40	0.8	<2	4.36	<0.5	45	69	110	8.48
32712		2.34	0.001	0.2	2.97	12	<10	50	0.9	<2	3.92	<0.5	47	64	107	8.90
32713		2.60	0.006	<0.2	2.68	5	<10	60	1.2	<2	3.59	<0.5	52	67	110	9.02
32714		3.10	0.034	0.3	3.69	20	<10	60	1.0	<2	2.62	<0.5	53	80	125	10.25
32715		2.62	0.002	0.3	2.69	8	<10	60	0.6	<2	4.85	<0.5	45	57	112	8.80
32716		4.06	0.005	<0.2	2.62	17	<10	80	0.7	<2	3.04	<0.5	53	50	116	8.88
32717		1.79	0.002	0.3	2.37	15	<10	80	0.8	<2	2.67	<0.5	51	46	116	8.37
32718		1.27	0.016	0.2	2.49	12	<10	50	0.9	<2	4.07	<0.5	44	46	126	7.93
32719		1.96	0.373	0.5	2.32	68	<10	90	1.2	<2	0.37	<0.5	71	79	139	11.15
32720		2.72	0.024	<0.2	2.50	21	<10	120	1.1	<2	3.25	<0.5	48	133	169	7.92
32721		2.09	0.009	0.3	2.13	46	<10	60	1.1	<2	1.37	<0.5	50	99	129	8.02

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To: VAULT MINERALS INC.
36 PROSPECT AVENUE
KIRKLAND LAKE ON P2N 2V4

Finalized Date: 8-NOV-2007
Account: VAUMIN

Project: KLN

CERTIFICATE OF ANALYSIS TM07110188

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
32591		10	<1	0.12	20	1.69	1315	<1	0.04	147	1200	5	0.09	5	8	107
32592		10	<1	0.16	20	1.16	1145	<1	0.03	127	850	5	0.03	<2	9	63
32593		<10	<1	0.17	30	1.10	901	<1	0.03	114	1160	5	0.07	<2	6	94
32594		10	<1	0.12	20	1.84	1040	1	0.04	148	1000	6	0.10	<2	9	100
32595		10	<1	0.08	20	1.90	920	4	0.04	161	940	16	0.02	<2	8	91
32596		10	<1	0.09	20	1.82	950	<1	0.03	113	1010	9	0.06	<2	9	196
32597		10	<1	0.07	10	1.69	996	1	0.04	131	860	7	0.06	<2	9	117
32598		10	<1	0.10	20	1.74	1110	1	0.04	113	980	5	0.08	3	9	122
32599		10	<1	0.13	20	1.42	859	1	0.05	118	830	9	0.03	2	8	88
32600		10	<1	0.13	20	1.60	946	1	0.04	137	820	6	0.06	3	8	121
32601		<10	<1	0.06	10	1.09	922	<1	0.02	53	510	10	0.02	<2	6	240
32602		<10	<1	0.11	20	0.17	983	<1	0.03	47	960	14	0.01	<2	5	50
32603		<10	<1	0.13	10	0.51	715	<1	0.06	51	550	5	0.01	<2	4	71
32604		10	<1	0.12	10	0.96	1805	1	0.01	128	1180	<2	0.45	2	17	31
32605		10	1	0.06	10	0.88	2420	1	0.03	115	850	<2	0.03	<2	16	31
32606		<10	<1	0.03	<10	1.27	2380	1	0.01	27	360	7	0.01	2	10	134
32607		<10	<1	0.03	<10	0.43	1490	<1	0.01	11	120	2	0.02	<2	3	24
32608		<10	<1	0.05	<10	0.36	1245	<1	0.01	17	310	7	0.06	3	5	43
32609		<10	<1	0.15	<10	0.82	2850	213	0.03	56	1300	16	0.87	<2	14	42
32701		10	<1	0.14	<10	1.85	2390	1	0.02	66	1110	<2	0.15	<2	17	77
32702		10	<1	0.16	<10	1.05	2190	4	0.02	114	1020	3	0.74	5	21	28
32703		10	<1	0.12	20	2.43	1650	1	0.01	303	3470	5	0.24	3	18	239
32704		10	<1	0.10	10	2.03	2130	<1	0.01	192	1990	8	0.13	4	20	131
32705		10	1	0.15	10	1.83	1535	<1	0.01	158	2060	4	0.36	<2	20	72
32706		10	<1	0.20	<10	1.24	1000	<1	0.02	132	1210	3	0.27	<2	16	20
32707		10	1	0.14	10	1.35	2280	1	0.01	205	2010	5	0.30	<2	21	60
32708		10	<1	0.15	<10	1.31	1885	1	0.02	117	830	<2	0.02	<2	25	24
32709		10	1	0.08	30	2.80	2720	2	0.01	433	4180	4	0.18	<2	20	381
32710		10	<1	0.07	10	1.81	1435	<1	0.02	111	1520	2	0.14	4	26	32
32711		10	<1	0.09	<10	1.97	2070	<1	0.03	66	1010	<2	0.16	<2	21	111
32712		10	<1	0.11	<10	1.43	2020	<1	0.03	73	1110	<2	0.07	3	20	79
32713		10	2	0.12	<10	1.28	2260	1	0.03	74	1070	<2	0.16	<2	20	67
32714		10	<1	0.10	<10	1.47	2540	11	0.03	83	1100	<2	0.21	<2	22	59
32715		10	<1	0.12	<10	1.94	2150	<1	0.03	66	970	2	0.10	4	19	157
32716		10	<1	0.12	<10	1.26	2060	<1	0.03	74	1070	5	0.14	3	20	92
32717		10	1	0.14	<10	1.19	2180	<1	0.03	81	1200	2	0.14	5	20	82
32718		10	<1	0.15	<10	1.67	2140	<1	0.03	72	1040	2	0.16	2	19	143
32719		10	1	0.16	<10	0.79	1870	8	0.02	153	1150	6	0.28	4	19	23
32720		10	<1	0.14	20	1.86	1625	11	0.02	173	2560	4	0.21	5	18	277
32721		10	1	0.17	<10	1.32	1430	2	0.03	172	1340	3	0.31	7	16	76

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To: VAULT MINERALS INC.
36 PROSPECT AVENUE
KIRKLAND LAKE ON P2N 2V4

Finalized Date: 8-NOV-2007
Account: VAUMIN

Project: KLN

CERTIFICATE OF ANALYSIS TM07110188

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Te	Th	Ti	Tl	U	V	W	Zn	Zr
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	10	20	0.01	10	10	1	10	2	5
32591		<10	<20	0.01	<10	<10	48	<10	66	32
32592		<10	<20	0.01	<10	<10	46	<10	73	28
32593		<10	<20	<0.01	<10	<10	31	<10	60	23
32594		<10	<20	0.01	<10	<10	62	<10	84	31
32595		<10	<20	0.01	<10	<10	67	<10	89	34
32596		<10	<20	0.01	<10	<10	92	<10	85	31
32597		<10	<20	0.01	<10	<10	82	<10	77	31
32598		<10	<20	0.01	<10	<10	62	<10	76	31
32599		<10	<20	0.01	<10	<10	58	<10	84	36
32600		<10	<20	0.01	<10	<10	42	<10	88	29
32601		<10	<20	<0.01	<10	<10	13	<10	40	14
32602		<10	<20	<0.01	<10	<10	13	<10	28	23
32603		<10	<20	<0.01	<10	<10	16	<10	28	31
32604		<10	<20	0.01	<10	<10	107	<10	86	9
32605		<10	<20	0.05	<10	<10	88	<10	76	6
32606		<10	<20	<0.01	<10	<10	20	<10	19	<5
32607		<10	<20	<0.01	<10	<10	17	<10	20	<5
32608		<10	<20	<0.01	<10	<10	44	<10	50	<5
32609		<10	<20	0.03	<10	<10	113	<10	81	<5
32701		<10	<20	0.01	<10	<10	121	<10	102	<5
32702		<10	<20	0.01	<10	<10	126	120	102	10
32703		<10	<20	0.01	<10	<10	131	10	109	13
32704		<10	<20	0.01	<10	<10	121	<10	99	9
32705		<10	<20	0.01	<10	<10	142	<10	110	11
32706		<10	<20	0.01	<10	<10	118	<10	93	8
32707		<10	<20	0.01	<10	<10	134	<10	109	10
32708		<10	<20	0.01	<10	<10	141	<10	100	7
32709		<10	<20	0.01	<10	<10	101	<10	96	15
32710		<10	<20	0.01	<10	<10	250	<10	146	6
32711		<10	<20	0.01	<10	<10	136	<10	92	<5
32712		<10	<20	0.01	<10	<10	125	<10	99	<5
32713		<10	<20	0.01	<10	<10	133	<10	101	<5
32714		<10	<20	0.01	<10	<10	183	<10	109	<5
32715		<10	<20	0.01	<10	<10	121	<10	98	<5
32716		<10	<20	0.01	<10	<10	123	<10	120	<5
32717		<10	<20	0.01	<10	<10	111	<10	106	<5
32718		<10	<20	0.01	<10	<10	99	<10	97	<5
32719		<10	<20	0.01	<10	<10	111	10	137	9
32720		<10	<20	0.01	<10	<10	108	<10	105	15
32721		<10	<20	0.01	<10	<10	74	<10	99	19

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CERTIFICATE OF ANALYSIS TM07110188

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
32722		1.50	0.006	0.2	1.92	36	10	70	1.2	<2	3.50	<0.5	38	217	70	6.11
32723		2.40	0.006	0.2	1.48	93	10	60	1.0	2	4.13	<0.5	40	171	66	6.03
32724		2.23	0.006	0.2	1.64	69	10	90	1.0	<2	4.38	<0.5	41	147	83	6.12
32725		1.26	0.124	<0.2	3.52	16	<10	70	1.3	<2	1.31	<0.5	45	67	113	10.70
32726		2.16	0.225	0.3	2.46	41	<10	70	1.3	<2	0.80	<0.5	56	104	111	9.92
32727		3.09	0.077	0.2	2.81	31	<10	60	1.1	<2	4.32	<0.5	53	56	114	10.20
32728		1.36	0.009	0.2	3.03	17	<10	60	1.2	<2	2.78	<0.5	52	54	145	9.89
32729		2.45	0.447	0.3	2.44	83	<10	90	1.4	<2	1.45	<0.5	57	103	124	10.20
32730		1.85	7.88	6.1	2.60	59	<10	90	1.3	<2	1.56	<0.5	64	162	135	9.56
32731		2.86	0.062	0.3	3.03	108	<10	80	2.0	<2	2.15	<0.5	62	108	154	8.59
32732		2.40	0.023	<0.2	3.18	78	<10	60	1.5	<2	0.76	<0.5	50	86	124	8.47
32733		3.26	0.016	0.2	3.08	60	<10	60	1.8	<2	2.11	<0.5	56	61	115	10.60
32659		0.94	0.004	<0.2	0.56	<2	<10	50	<0.5	<2	0.21	<0.5	3	8	5	1.55
32660		2.94	0.003	<0.2	3.67	<2	<10	60	<0.5	<2	3.49	<0.5	56	84	140	9.58
32661		3.16	0.267	0.6	3.47	17	<10	90	0.5	<2	3.23	<0.5	63	74	100	10.30
32662		1.87	0.020	<0.2	3.29	2	<10	70	0.5	<2	2.28	<0.5	54	83	118	9.56
32663		2.60	0.004	<0.2	2.96	5	<10	100	<0.5	<2	3.74	<0.5	55	73	122	9.37
32664		3.76	0.002	0.2	3.26	<2	<10	70	<0.5	<2	2.90	<0.5	57	74	121	9.56
32665		3.82	0.145	0.4	3.43	90	<10	60	0.8	<2	1.03	<0.5	57	75	109	10.00
32666		1.44	1.020	0.6	2.42	131	<10	100	0.8	<2	1.65	<0.5	56	59	117	8.79
32667		1.92	0.008	<0.2	2.78	2	<10	60	0.9	<2	5.69	<0.5	39	487	37	6.28
32668		2.21	0.016	<0.2	3.70	15	<10	120	1.2	<2	2.07	<0.5	51	153	160	8.58
32669		2.57	0.165	0.4	3.79	28	<10	80	1.2	2	1.54	<0.5	54	81	108	9.88
32670		2.30	0.013	0.4	4.07	17	<10	50	1.0	<2	4.59	<0.5	50	83	121	9.31
32671		1.55	0.035	0.2	3.51	10	<10	70	1.0	<2	4.59	<0.5	55	73	125	9.57
32672		1.39	0.144	0.3	3.41	35	<10	60	0.9	<2	2.08	<0.5	56	74	119	10.25
32673		3.01	0.121	0.2	3.43	25	<10	60	1.1	<2	4.38	<0.5	51	65	135	9.75
32674		1.95	0.009	<0.2	3.70	4	<10	40	0.8	<2	5.10	<0.5	49	81	98	9.50
32675		2.26	0.010	0.2	3.17	7	<10	50	0.9	<2	6.02	<0.5	53	56	101	9.82
32676		2.68	0.003	<0.2	3.81	2	<10	30	0.7	<2	4.92	<0.5	50	85	175	9.26
32677		2.74	0.182	0.5	4.30	57	<10	40	0.9	<2	3.76	<0.5	55	92	139	10.20
32678		3.87	0.009	0.2	4.71	<2	<10	20	0.8	<2	6.61	<0.5	49	93	118	10.00
32679		1.98	0.011	0.2	4.84	4	<10	20	0.6	<2	5.46	<0.5	49	98	125	9.80

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To: VAULT MINERALS INC.
36 PROSPECT AVENUE
KIRKLAND LAKE ON P2N 2V4

Finalized Date: 8-NOV-2007
Account: VAUMIN

Project: KLN

CERTIFICATE OF ANALYSIS TM07110188

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
32722		10	<1	0.19	10	1.73	1455	2	0.02	185	1360	8	0.19	<2	13	134
32723		<10	<1	0.20	10	1.77	1430	1	0.03	179	1210	7	0.26	<2	15	140
32724		10	<1	0.22	10	1.86	1455	<1	0.03	213	1490	8	0.27	<2	15	166
32725		10	1	0.15	<10	1.26	2520	6	0.01	90	1280	6	0.12	<2	22	50
32726		10	1	0.19	<10	1.00	2370	2	0.01	124	1430	4	0.44	<2	18	37
32727		10	<1	0.13	<10	1.60	2470	4	0.01	73	1110	6	0.24	<2	21	113
32728		10	1	0.13	<10	1.25	2820	1	0.01	71	1140	4	0.13	<2	21	68
32729		10	<1	0.17	<10	1.15	2560	32	0.01	114	1280	7	0.61	<2	19	58
32730		10	8	0.18	<10	1.41	2250	3	0.02	164	1460	15	0.59	<2	19	61
32731		10	1	0.18	<10	1.24	1930	3	0.01	105	590	8	0.34	5	21	40
32732		10	<1	0.17	<10	0.99	1355	3	0.01	84	530	5	0.29	<2	17	18
32733		10	1	0.14	<10	1.33	2930	1	0.01	87	500	7	0.14	2	26	51
32659		<10	<1	0.36	50	0.26	207	<1	0.04	3	330	8	<0.01	<2	3	10
32660		10	<1	0.09	<10	1.58	2060	<1	0.02	74	1130	3	0.08	<2	23	79
32661		10	1	0.10	<10	1.58	2450	83	0.02	74	1080	7	0.41	<2	21	67
32662		10	1	0.10	<10	1.17	2310	1	0.02	75	1150	2	0.06	<2	21	49
32663		10	<1	0.11	<10	1.54	2420	<1	0.03	73	1120	3	0.11	<2	21	101
32664		10	<1	0.11	<10	1.35	1995	<1	0.02	81	1130	3	0.08	<2	21	81
32665		10	1	0.16	<10	1.02	1875	60	0.01	94	1230	8	0.56	2	18	30
32666		10	1	0.15	<10	1.02	1880	93	0.01	104	1290	10	0.88	<2	15	34
32667		10	<1	0.05	20	4.16	1450	1	0.03	134	2510	2	0.03	3	21	226
32668		10	<1	0.15	10	1.87	1735	<1	0.01	89	1380	4	0.31	<2	16	57
32669		10	<1	0.16	<10	1.44	1935	2	0.01	77	1170	7	0.61	2	16	38
32670		10	<1	0.12	<10	1.61	1885	<1	0.01	69	1070	4	0.12	<2	17	134
32671		10	<1	0.12	<10	1.69	2330	<1	0.01	73	1100	5	0.28	<2	19	113
32672		10	<1	0.15	<10	1.36	2030	119	0.01	79	1290	6	0.36	<2	16	40
32673		10	<1	0.14	<10	1.75	2400	51	0.01	71	1120	6	0.49	<2	17	68
32674		10	<1	0.10	<10	2.32	1845	4	0.02	66	1040	<2	0.11	<2	22	85
32675		10	1	0.15	<10	1.98	2370	<1	0.01	72	1100	5	0.21	<2	19	88
32676		10	<1	0.09	<10	2.23	2100	<1	0.02	71	1070	<2	0.12	<2	24	66
32677		20	1	0.09	<10	2.14	2410	117	0.01	75	1150	7	0.53	<2	23	88
32678		20	<1	0.07	<10	2.61	2300	<1	0.02	66	1020	4	0.15	<2	24	140
32679		20	<1	0.07	<10	2.25	1835	1	0.02	68	1060	5	0.11	<2	25	149

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Te	Th	Ti	Tl	U	V	W	Zn	Zr
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	10	20	0.01	10	10	1	10	2	5
32722		<10	<20	0.01	<10	<10	59	<10	90	21
32723		<10	<20	0.01	<10	<10	62	<10	72	21
32724		<10	<20	0.01	<10	<10	61	<10	75	19
32725		<10	<20	0.01	<10	<10	136	<10	134	<5
32726		<10	<20	0.02	<10	<10	99	<10	95	9
32727		<10	<20	0.01	<10	<10	123	<10	130	<5
32728		<10	<20	0.01	<10	<10	132	<10	128	<5
32729		<10	<20	0.01	<10	<10	116	<10	104	8
32730		10	<20	0.01	<10	<10	101	<10	91	7
32731		<10	<20	0.01	<10	<10	107	70	103	6
32732		<10	<20	0.01	<10	<10	112	10	89	<5
32733		<10	<20	0.01	<10	<10	132	<10	100	<5
32659		<10	30	0.09	<10	<10	18	<10	40	23
32660		<10	<20	0.01	<10	<10	187	<10	127	<5
32661		<10	<20	0.01	<10	<10	173	<10	134	<5
32662		<10	<20	0.01	<10	10	166	<10	118	<5
32663		<10	<20	0.01	<10	<10	149	<10	128	<5
32664		<10	<20	0.01	<10	<10	145	<10	126	<5
32665		<10	<20	0.02	<10	<10	159	<10	122	<5
32666		<10	<20	0.01	<10	<10	109	<10	117	<5
32667		<10	<20	0.02	10	<10	120	<10	97	17
32668		<10	<20	0.02	<10	<10	141	<10	157	5
32669		<10	<20	0.02	<10	<10	163	<10	146	<5
32670		<10	<20	0.02	<10	<10	187	<10	144	<5
32671		<10	<20	0.02	<10	<10	178	<10	125	<5
32672		<10	<20	0.03	<10	<10	166	<10	110	<5
32673		<10	<20	0.02	<10	<10	150	<10	107	<5
32674		<10	<20	0.01	<10	<10	185	<10	128	<5
32675		<10	<20	0.01	<10	<10	138	<10	105	<5
32676		<10	<20	0.01	<10	<10	205	<10	118	<5
32677		<10	<20	0.01	<10	<10	214	<10	140	<5
32678		<10	<20	0.01	<10	<10	226	<10	140	<5
32679		<10	<20	0.02	<10	<10	247	<10	140	<5