# Technical and Geochemical Report

FEB - 6 2009

BC Geological Survey Assessment Report 30505

Gold Commissioner's OMineral Tenure # 504021 VANCOUVER, B.C.

Recorded Holder Knauss Creek Mines Ltd

**Omineca Mining Division** 

Preparation

Prospecting

Geophysical

Geochemical

Author: Leon LeBlond FML 115352 Prospector GEOLOGICAL SURVEY BRANCH ASSESSMENT REPORT Date Submitted: January 23, 2009 February 4, 2009 **TABLE OF CONTENTS** 

Pages

Work Activity	1 to 3
Discussion On Results	3 to 4
Conclusion	4
Recommendations	4

Appendices

- 1. 1:10,000 MTO Map
- 2. VLF EM-16 Survey Grid Map.
- 3. VLF EM-16 survey notes.
- 4. VLF EM-16 " As Read " Results. Plot of data.
- 5. Fraser Filter results. Plot of data.
- 6. Rock Sample Description
- 7. Geochemical Analysis Results. 8V 3701 RG1. Assayers Canada
- 8. Photo List, Photo Description and Photo Sleeves (32 Photo's)
- 9. Page 4 and Photo's # 4 & # 5 from December 20, 2004 Report. Previous Report Titled " Kandy 1-6 Group Report ", December 20, 2004. # 27676, Ominca Mining Division.
- 10. Work Diary Summary for Snowball Property 2008
- 11. 90 Day Assessment Report
- 12. Copy of MTO Transaction. Event # 4244869

## WORK ACTIVITY

#### Work Objective

To locate and map faults/shear zones and to prospect for mineral veins. To take rock samples at anomolies on the VLF-EM Grid. Minerals sought for are gold, silver, copper, lead, zinc and manganese. Six (6) rock samples and one (1) stream sample was taken resulting in 36 assay samples.

The Dorreen gold mine adit is located within the Snowball Property, Mineral Claim 504021. The Dorreen gold mine was shut down in 1952. The Dorreen gold mine is also on the NorthWest side of the property. The Dorreen gold mine is also on the NorthWest side of Knauss Creek. Due to heavy rainfall and high water during the work activity, work crews were unable to cross Knauss Creek. All work was done on the SouthEast side of Knauss Creek and some tributaries of same creek running East / West. The heavy rains and high winds made work very difficult. Ice and Snow prevented work in tributary creeks, except for ground VLF-EM survey. Five (5) rock samples and 1 stream sediment sample were taken at a fault zone North of the survey grid.

The fault zone is delineated by a rock slide zone from a canyon at the East end and downslope to Knauss Creek. The width of the rock slide in situ varies, but is approximately 150m to 200m wide. See photo #16 for for extension of this zone to the West side of Knauss creek up to Dorreen gold mine which is on an elevation of 650 feet above Knauss creek.

#### GPS Waypoints

GPS readings were taken using a GARMIN E-Trex Legend.

A main base station was established for the VLF-EM Grid. The main base station is situated on the SouthEast side of the helicopter pad that was used during the work activity. The helicopter pad occurs within the rock slide that is associated with the tributary creek that flows into Knauss Creek. The helicopter pad location was selected because the slide alder vegetation within and near the pad area is sparse therefore very little vegetation clearing was required. The work that was required to prepare the helipad was all done by hand, using shovels and picks. All that was required was to move rocks, boulders and gravels within the pad area to create a level helicopter landing location.

The GPS waypoint for the main base station and helicopter pad is:Latitude:54 degrees48.504 minutesLongitude:128 degrees24.249 minutesThe elevation is 663 metres to a recorded accuracy of 9 metres.

#### <u>Weather</u>

Weather is a recurring problem within the property area. In 2007, hurricane force winds were experienced by work crews at the top of the mountain. This year, 2008, heavy rainfall generated flood waters within the tributary canyon and within Knauss Creek itself. All due to global warming ?

In 1985, a large chunk of ice within the tributary canyon hurtled down the tributary creek, cleaning out the then thick, tall (4m+) slide alder vegetation. Evidence of the remaining thick and tall slide alder vegetation on the outside of the ice flow cleared area is provided in various photos within the Photo Appendix. The area cleared by the 1985 ice and rock slide is approximately 1,200m long by 200m wide. In 1985 the ice was 50 feet thick in the canyon. In 2008 the ice has shrunk considerably to an approximate 4m thickness. See photo's #2 and #4.

#### VLF-EM Grid

The first step in establishing the grid was locating a main base station reference point. As already described, the main base station is located on the SouthEast side of the helicopter pad which is located in the rock slide area that occurs within the property. A large rock with flagging remains onsite on the SouthEast side of the helicopter pad. This large rock constitutes the location of the main base station.

2 Baselines were established from the main base station.

Baseline #1 runs upslope from the main base station at a bearing of 123 degrees. This baseline runs 400m upslope and stops at the start of the ice damn within the tributary creek canyon.

Baseline #2 runs downslope from the main base station at a bearing of 290 degrees. This baseline runs 115m downslope and stops at Knauss Creek.

Both baselines are flagged with distance stations every 25m. Cross lines running 90 degrees to the baseline were established every 50m. Cross lines are flagged with distance stations every 25m. VLF-EM 16 readings were recorded at all distance stations as well as at estimated 12.5m intervals between the flagged distance stations. NLK station Seattle was used for all the VLF-EM 16 readings.

The VLF-EM 16 grid covers a considerable portion of the rock slide area. It also covers most of the fault that runs at an approximate 123 degree bearing and extends across both sides of Knauss Creek. This fault also occurs in association with the old Dorreen gold mine. The fault width is estimated to be approximately 30 feet wide. It is not known for sure if the fault connects from the the Northwest of Knauss creek across to the Southeast side. The author believes it does, and if

correct, this is a fault zone. The authors review of the plot of the raw data as well as the Fraser Filter data suggests to him that the fault shifts within the fault zone within the area covered by the work grid.

The work crew comprised Leon LeBlond FML # 115352 and Rod Meredith FML # 201234. Rod Meredith operated the VLF-EM 16 and recorded the readings in his notebook. Leon LeBlond accompanied Rod and assisted with all phases of the grid establishment, including establishment of the main base station location, helicopter pad establishment and 3m wide vegetation clearing along the length of each established baseline and cross line.

Fraser Filter results were generated. A plot of the raw VLF-EM 16 data is provided in Appendix 4. A plot of the Fraser Filter results is provided in Appendix 5.

Fraser Filter calculations were described in "The Contouring of VLF-EM Data" by D.C. Fraser. As reprinted from Geophysics, Volume XXXIV #6, December 1969, Pages 68 to 78. Reprinted from Geonics Ltd, EM Operating Manual.

#### **Discussion On Results**

The presence of a plunging anticline is a significant influencing feature for this property. This plunging anticline has been previously reported, described and photographed. See previous report titled "Kandy 1-6 Group Report, December 20, 2004, # 27676, Ominica Mining Division. Page 4 and photograph # 5 from this report can be found in Appendix ???.

The VLF EM-16 results picked up the presence of the plunging anticline on Line # 5 and Line # 6. Although the plot data results are flat, the data possibly indicates the plunging anticline continues at depth. The end (nose) of the plunging anticline is beyond the area surveyed.

Faults are also indicated on the Fraser Filter plot results on Line # 6, Line # 7, and Line # 8. The author believes the faults continue on the West side of Knauss Creek, with a slight shift North/South. See photo # 16 showing the location of the faults on the West side of Knauss creek.

Over the years, the author has panned for gold from the tributary creek between Line # 7 and Line # 8. The author has found gold in association with black sand. To the North. (Not on grid end (nose) of syncline.

Panning for gold below Line # 6 has not produced any results. The author believes this could indicate a ridge from the anticline forms an underground barrier, which traps gold. Spring run then off churns the gold to the surface.

#### **Conclusion**

Result of this work indicate faults continue under rock slide. Anticline plunges under surface at rock slide, but not very deep. Faults indicated on VLF-EM survey indicate they continue under anticline striking West to Dorreen Gold Mine.

#### **Recommendations**

Work on North West side of Knauss Creek up to Dorreen Gold Mine. Focus work within the faults to determine if minerals are in the faults.

## APPENDICES

- 1. 1:10,000 MTO Map
- 2. VLF EM-16 Survey Grid Map.
- 3. VLF EM-16 Survey Notes.
- 4. VLF EM-16 " As Read " Results. Plot of data.
- 5. Fraser Filter results. Plot of data.
- 6. Rock Sample Description
- 7. Geochemical Analysis Results. 8V 3701 RG1. Assayers Canada
- 8. Photo List, Photo Description and Photo Sleeves (32 Photo's)
- 9. Page 4 and Photo's # 4 & # 5 from Previous Report, Titled "Kandy 1-6 Group Report ", December 20, 2004. # 27676, Omineca Mining Division.
- 10. Work Diary Summary for Snowball Property 2008
- 11. 90 Day Assessment Report
- 12. Copy of MTO Transaction. Event # 4244869

# APPENDIX ONE

1. Mineral Tenures Online Map of Snowball Property



# APPENDIX TWO

\_\_\_\_\_

.

2. Snowball VLF EM-16 Survey Grid Map



# APPENDIX THREE

--- -- --- --- ----

3. VLF-EM 16 Survey Notes

VLF - EM

## RESULTS

**FROM GRID** 

ON

SNOWBALL

MINERAL CLAIM

504021

# USING

# NLK (SEATTLE) STATION

# 18.6 kHz

Instrument Used

EM – 16

Serial Number GICAL SURVEY BRANCH # 84030008



Dik. 430	SNOWBI AND KANDY STATION	ALL 	olo OUNOR	AND THE SE	C LINE BESIDA KNAUSS CR	I E ERASER EEK FACTOR
LINE I ADIHGS - FACIN RM	0 + 50N 0 + 75N 0 + 100N	-10 - 9 -10 -11 -9 - 0 -10 - 9 -11 - 0	-6 0 -6 1 -5 -6 -6 1 -5	$\frac{1}{4} - \frac{12}{11}$ $\frac{1}{4} - \frac{11}{12}$ $\frac{1}{4} - \frac{11}{12}$	(-11) - ( (-12) = ( () - ( () - (	-(12) = +1 -11) = -1 -11) = -1 -11) = -1
TRAVERSE R_148°_RE/ OPERATOR		•		- <u>+</u> , - <u>+</u> , - <u>+</u> , - <u>+</u> ,	() -() () -() () -() () -() () -() () -()	) =
DIR. or XMT				+ + + + +		) =
CLAIN 50407 NLK ASE LINE				+ + + + +		) = ) = ) = ) = ) =
PT 17,2000 TATION WEALL BU				+ + +		) =
DATE Se XMTR S GRID SNO				+ + + + +		) = ) = ) = ) =

0 0	SNOWB	ALL		(0)0)		0
M 00	KANDY		18		$\sum$	1 1.115 2
TN	STATION	- /	NA	J.S.Y		ERASER
		-/	$\frac{1}{c}$		$\mathcal{N}$	FACTOR
					<u> </u>	
Cí	0+505	- 13	-2	-7551	<u>+-14</u>	-k
		-12	-1	-T	4-14-	X-15)-(-14) = -1
NIN	0+255	-13.	-1	-7	4 - 15	(-15)=(-14)=-1
Y YV	· · · · · · · · · · · · · · · · · · ·	-14	-3	-8	+-15	(-19) - (-15) = -4
III III	BASELINE	-12	4	-7	+ -19	1-21)-1-15) = -6
		-ż1	-6	-12	4-91	(-16)-(-19) = +3
SE	0+25N	-16	-5	-9	4-16	(-14) = (-21) = +7
CH of L		-13	-7	-7	- 1 <u>4</u>	(-15) - (-16) = 11
$\sum_{i=1}^{4} \mathcal{B}_{i}$	O+SON	-13	-5	-7.		$\frac{1}{2}\left(\frac{1}{2}\right) - \frac{1}{2}\left(\frac{1}{2}\right) - \frac{1}{2}\left(\frac{1}{2}\right)$
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		-14	-6	-8	<u>+ - 15</u>	$\frac{1-6}{1-1-H} = +0$
	0+75 N	-14	-6	-8	1-10	$\frac{1}{1-1} - \frac{1}{1-1} = 0$
· X		-13	-5	-7.	+	$(-1\phi) - (-1\phi) = 0$
200	0+100N	-15	-6	-9	10	$\sum_{i=1}^{n} \frac{1-(i-1)}{2} = \frac{1}{2}$
N N N			••••			
4 Jan			· · · · · · · · · · ·		4	
0 # 0					<u>+</u>	() - () =
						() - () =
					+	$\sum_{i=1}^{n} (i) = 1$
I Z I I					<u>+</u>	$\sum_{i=1}^{i} (i) - (i) = 1$
YZUS			-		<u>+</u>	$\sum_{i=1}^{n} (i) = 1$
					+	$\sum_{i=1}^{n} (i) = 1$
				· · · ·	+	$\sum ( )-( ) =$
NZ					+	( )−( ) =
1901					+	()-()=
THE A				·····	+	()-() =
XF3			<u> </u>		+	<u>()-()=</u>
N.Y.					+	<u>()-()</u> =
EHO I		<u> </u>			+	<u>()-()</u> =
A Su					+	()-()=
DXU.					+	<u> </u>

<b>0 0</b>	SNOWB	RLL		(00)	~~~	e la
7 00	KANDY				$\sum$	JINE 3
	STATION		OHK.		A.	50m WEST ERASER
<u>ה</u> ש			<i>`//</i> 6	$\mathcal{V}_{\mathcal{A}}$	$\mathbf{Y}$	FACTOR
	0+505	-13	-1	-1	4-14	
A I		-13	-1	-7	4-16	(-18) - (-14) = -4
1 15	0+255	-16.	-1	-9-,	+ - 18	(-19)=(-16)=-3
Y YX		-16	-2	-9	4-19	(-20) - (-18) = -2
DI	BASELINE	-18	-4	-10	+-20	(-20) - (-19) = -1
EA		-i8	-5	-10	+-20	(-19) - (-20) = +1
SE	0+25N	-17	-4	-10	4 - 19	(-18) - (-20) = +22
A TO B		-16	-3	-9	1-18	(>17) = (-19) = +2
≥ ± G	0+50N	-15	-3	-9	4 - 17	(-17) - (-18) = +1
		-14	-3	-8	-17	
E,	0+75N	-16	-3	-9	4-18	
X		-15	-3	_9	1-17	(-18) =
2°C	D+IDON	-14	-3	-8		
- an						
NON		×.		 	 L	
± #					<u></u>	
11 22						
		÷			<u>,</u>	
AN		-	•		<u>т</u>	
SIL			-		<u> </u>	$\begin{array}{c} 1 = (1) = \\ 1 = (1) = \\ 1 = (1) = (1) = \\ 1 = (1) = ($
Х Х			.•		T	
0 NO					7 1	
214					45 1.	
the the					7	$\sum_{i=1}^{n} \frac{1}{i} = \frac{1}{i}$
ging						
i avi				-	*	$\sum_{i=1}^{n} \frac{1-i}{i} = \frac{1}{i}$
FF5			·····		+	
UXD					+	
					+	

130	6	SNOWBA AND KANDY	11	Les les	0101		LINE 4
Di.Y	Ъ Г	SIALION				Offic 1	MAIN BASE STATION FACTOR
		0+505	-14	-2	-8	1-17	K
Ŧ		0 + 75 5	-15	- <u>5</u> -4	-9. -9.	4-18	(-18) - (-17) = -1
11	S T	UTASP	-16	-5	-9	+-18	(-19) = (-48) = -1
712	HO	BASE STATION	1-17	-4	-10.	+ 19	(-18) = (-18) = 0
1.1	SEA	-	-i4	-7	-8	+-15	(-15)-(-18) = +3
SSI SSI	J Z C	0+25N	-13	-4	-7	+-15	(-15) - (-15) = 0
< E I	2A1	0+50.1	-14	-6	-8	+-15	(-1+)-(-15) = +1
.KA	DEI	NUCTU	-13	-4	-7	+-4.	(-15) - (-15) = 0
	AF -	0+75N	-14	-4	-8	4-15	(-1/2) - (-1/2) = -2
•	XX		-14	-4	-8	4 - 1/2-	() - (-14) =
	U C C	0+100N	-14	-6	-8	+	()-()=
<u>ମ</u> ପ	<u>a</u>	· · · · · · · · · · · · · · · · · · ·	. <u></u>			<u>+ .</u>	
Ŧ	⊖_   #					<u>+</u>	
S C						+	() - () =
	N					1 <u>7</u>	
Alk	1 1 1				[	+	() - () =
ปี	ZAS					+	<u>()-()</u> =
				<del>_</del>		+	()-()=
3	N					+	()-() =
4	TIC 97					*	( ) -( ) =
+	TA						$\sum_{i=1}^{n} \frac{1}{i} = \frac{1}{i}$
S	SV		· · · ·	 		+	()-()=
ربا ا	20		·		-	+	()-()=
LAC	žñ Z					+	()-()=
						+	

1 12 0 1 28 0	SNOWBAL AND KANDY STATIOH	LL OHAS	10/0/ JAC	LINE 5 50m EAST	ERASER
RAVERSE LINE OPERATOR RAVERSE LINES DIN. 4 R STATION NEK DIR. OF XMTR 148 . READINGS - FACING S8 SNOWBALL BASE LINE #1 1230 OPERATOR RM	KANDY STATION 0+505 0+255 BASELINE 0+25N 0	$   \begin{array}{c cccccccccccccccccccccccccccccccccc$	$\frac{1}{100} + \frac{1}{100} + \frac{1}$	$ \begin{array}{c} LINE 5 \\ 50m E A5T \\ \hline \\ 1 \\ -(-12)-(-10) \\ 2 \\ -(-12)-(-13) \\ 2 \\ -(-12)-(-13) \\ 2 \\ -(-12)-(-13) \\ 3 \\ -(-13)-(-14) \\ 3 \\ -(-13)-(-14) \\ 3 \\ -(-13)-(-14) \\ 3 \\ -(-13)-(-13) \\ -(-13) \\ -($	$     \begin{bmatrix}             FRASER \\             FACTOR                                     $
DAT XM7 GRIC					

0 0	SNOWBA	LL		(0/0)	\\$ <del>`</del> *	0
1 (Q)	KANDY	r /			15	LINE 6
Y	SIALION	L_/_	ŶĽ.	N.	AH/	100m EAST EKASER
л Ц Л				$Z \land$	<u>}</u>	IEACTUK
ACI.	0+505	-0-	-10	0	<u>+ -1</u>	K
		-2.	-10	-1	+3	(-4) - (-1) = -3
9 St	0+255		-10	<u>- 4.</u>	+ - 4	(-5)=(-3)=-2
N N N N N N N N N N N N N N N N N N N	BOLELINE	-5	-12	-7	+-5	(-5)-(-4) = -1
ALAL	UASELINE	-4	-10	-2	+ - 5	(-5)-(-5) = 0
ы Б Б Б С К С К	OTESN	-5	-12	-3	+ -5	(-6) - (-5) = -1
A o L		-6	-14	-3	+ - 6	(-1) - (-5) = -2
No A	0+SON	-7	-12	-4	+ -8	(-9) = (-7) = -2
		-7	-12	-4	+ - 9	(-11) = (-8) = -3
	0+75N	-8	-12	-5	+ - 11	(-12) - (-9) = -3
, X		-10	-12	-6	+-12	()-()=
S. S.	0+100N	-11	-72	-6	+	()-()=
- A			· · · · · · · · ·		+ .	<u>()-() =</u>
H 05					<u>t</u>	()-()=
					+	$\sum_{i=1}^{n} (i) = 1$
NINE				· · ·	+	
YY J					+	<u>()-()=</u>
SEVEN					+	$\sum_{i=1}^{n} \frac{1}{i} = \frac{1}{i}$
BA				- <u></u>	+	$\sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{i$
8					+ 	
L OK					<u>,</u>	() = () = () = ()
Y F de						() -() =
TATA					+	() -() =
N S S					+	() -() =
E HO					+	()-()=
₹ ∑ Ω	·				+	()-()=
υ×υ.					+	
l l			•			

-

TT GUNDRATURE SNOWBALL (0) 9 ð · - HH PHASE AND TH PHASE KANDY ΨM LINE 7 A) FRASER STATION 150M EAST Da. READINGS - FACING -3 -18 6 0+505 2 -19 +1 +1 +10 +8 4 = -2 7 +8 +5 -12 0 + 255-2 8 LINE + 5 -14 +3 -6 4 4 { +29 BASELINE +1 Ø 2 +2 TRAVERSE\_ -18 14 d + OPERATOR +3 -18 O+Z5N +6 +5 +8 +8 -18 +5 148 +9 -15 +4 1 0+50N -9 ÷  $\circ$ +5 +8 -18 XMTR\_ +9 + 2-+7 -18 +4 0+75N 5 7 -18 +3 +6 +4 Ч° М 1 -17 +1 +1 OTIDON 3 DIR. N ł 50402 +Ħ = ÷ SURVE Y CLAIM BASE +  $\Rightarrow$ 3 + = Z208 + LION EM BRLL + = ÷ = TATA STA Sert + = = + DATE t = GRID = ≁ + S. CAMPBELL . HUGIN XPLORATIO

- OUNDRATURE SNOWBALL (0) THPHASE .0, 0 TH PHASE AND μZ KANDY LINE 8 Æ ERASER S STATION 200 m EAST Din. READINGS - FACING - 24 0 + 505-12 -7 ~ 5 +3 -20 +2 4 -5 5 = +10 +3 0+255 - 21 +2  $\mathcal{O}$ 5 ~ 2 LINE + 5 20 +3 Z N -+2 -2 BASELINE -22 -1 2 + 5 -22 +3 TRAVERSE\_ +8 +8 OPERATOR -20 +5 O+25N 0 +8 ±7 Q | +42 Ø 97] + 4 O+SON 19 .,7  $\cap$ 18 +3 XMTR\_ ዊ Ć -18 +5 0+75 N 8 2 -15 +3 6 +6  $\mathbf{x}$ DIR. or +3 -17 0+100N ŝ +6 5 -N ł 50402 t # Ħ + BASE LINE SURVEX CLAIM -----+ = Z ŧ Ħ + EM 16 2008 +  $\Rightarrow$ TION = t SLOV BAL Ś ÷ = STAtà =  $\mathcal{N}$ = + XMTR DATE = ÷ GRID. = ╈ + S. CAMPBELL . HUGIN XPLORATIO

# APPENDIX FOUR

4. VLF-EM 16 " As Read " Results. Plot of Data.



# APPENDIX FIVE

-

\_\_\_\_

.

5. Fraser Filter Results. Plot of Data.



# APPENDIX SIX

-

6. Rock Sample Description

## Rock Sample Descriptions

A series of rock samples was taken on contour from cross line # 8.

All sample locations are marked with pink flagging ribbon with sample number written on the ribbon.

Rock Sample Number	Rock Sample Type	Description
1 – 08	Chips over 30 metres	Shale and Slate. Oxydized with lots of iron pyrite. Manganeese 2,690 ppm. High Reading.
2 08	Stream Sediment	Taken in small creek below waterfall. Gold 6 ppb. Lead 47 ppm. Manganeese 509 ppm.
3 – 08	Chips over 10 metres	South on contour from # 1 – 08. Vuggy, black quartz. Same type of rock occurs on Saturn 3 that ran 1 ounce of gold. Manganeese 2,590 ppm. No gold.
4 – 08	Chips over 3 metres	Below a waterfall on top of a fault. Quartz in sample. Trace of malachite. Lead 15 ppm. Manganeese 2,480 ppm.
5 – 08	Chips over 2 metres	On contour, 10m South of #4 – 08. Vuggy, Heavy, Black Quartz. Oxidization Brown and Deep Red (indicates presence of Zinc). Copper 12 ppm. Lead 15 ppm. Zinc 126 ppm. Manganeese 3,100 ppm.
6 08	Chips over 1 metre	Below # 5 – 08. Heavy, Black Quartz with Dark Blue cubes (?). Shale – Slate – Hard and Heavy. Oxydized. Gold 10 ppb. Copper 20 ppm. Lead 15 ppm. Zinc 81 ppm. Manganeese 7,100 ppm.

# APPENDIX SEVEN

٠

\_\_\_\_ ......

7. Geochemical Analysis Results. 8V – 3701 – RG1.

Assayers Canada



Assayers Canada 8282 Sherbrooke St. Vancouver, B.C. V5X 4R6 Tel: (604) 327-3436 Fax: (604) 327-3423

. . . ..

Constitu Assaying president of a

## **Geochemical Analysis Certificate**

#### 8V-3701-RG1

Company: Knauss Creek Mines Ltd. Project:

Nov-07-08

Attn: Leon LeBlond

We hereby certify the following geochemical analysis of 5 rocks samples submitted Oct-17-08

Sample	Au	Ag	Cu	Pb	Zn	Mg	
Name	ppb	ppm	ppm	ppm	ppm	ppm	
#1-08	3	0.1	6	28	2	2690	
#2-08	6	0.3	4	47	24	509	
#3-08	3	<0.1	2	9	9	2590	
#4-08	1	<0.1	5	15	<1	5540	
#5-08	3	<0.1	12	15	126	3100	
*DUP #1-08	4	0.1	6	27	3	2480	
*0211	2175						
*ICP-2		0.8	1047	68	282	15400	
*BLANK	<1	<0.1	<1	<1	<1	<10	



Certified by



٦,

Assayers Canada 8282 Sherbrooke St. Vancouver, B.C. V5X 4R6 Tel: (604) 327-3436 Fax: (604) 327-3423

#### 

## Geochemical Analysis Certificate

## 8V-3701-SG1

Knauss Creek Mines Ltd. Company: Project:

Nov-07-08

Attn: Leon LeBlond

We hereby certify the following geochemical analysis of 1 stream sample submitted Oct-17-08

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Mg ppm	
#6-08	10	0.1	20	15	81	7100	·
*0211	2175						
*ICP-2		0.9	1069	69	296	15500	
*BLANK	<1	<0.1	<1	<1	<1	<10	

Certified by

# APPENDIX EIGHT

-

.

8. Photo List, Photo Description and Photo Sleeves (32 Photo's)

## APPENDIX 8

-

· · · · · · ·

\_

•

Snowball Photo List, Photo Description Summary and Photo Sleeves

Photo Number	Photo Description
	Showing distribution of Light Brush and Heavy Alder within the VLF-EM survey grid work area. The Heavy Alder is an average 4.0 metres tall.
P 1	The Light Brush is revegetation occurring after a 1985 ice and rock debris flow. Prior to 1985, the glacier to the South East of the photo (not visible behind mountain ridge on right hand side of photo) extended a tongue of ice 50 feet thick down the canyon and into Knauss Creek. The 1985 ice collapse and debris flow cleared an area approximately 1,200m long by 200m wide.
P 2	Looking East From Main Base Station (MBS)
Р3	Looking North East. Knauss Creek in foreground and Skeena River in mid ground.
P 4	Beginning of Helicopter pad within rock slide.
P 5	Looking East across Knauss Creek, showing Heavy Alder on North side of VLF EM-16 survey grid.
P 6	Looking from Helicopter pad to remnant ice block in Knauss Creek. All this area was covered by 3 to 4 metres of ice in August 2008.
P7	Helicopter pad on rock slide in the making.
P 8	Helicopter pad. MBS for Snowball Property in foreground.
P 9	Looking North from Helicopter pad to Knauss Creek.
P 10	Close Up of Snowball Bain Base Stations (MBS). Located on the South East side of Helicopter pad.
P 11	Looking East from Helicopter pad following the 123 degree VLF EM-16 survey grid baseline. Ice Bridge to Kandy Property visible in mid ground.

P 12	Looking East showing float and debris on rock slide from glacier above the canyon (not visible).
	Close Up of Tributary Creek within Snowball VLF EM-16 survey grid work area. This Tributary Creek flows out from underneath the Ice Bridge.Photo.
P 13	Photo also shows approximate delineation of adjacent Properties.
	Snowball Property and Kandy Property
P 14	Looking North East from Ice Bridge to Dorreen Gold Mine. Dorreen Gold Mine occurs with Snowball Property, Mineral Claim 504021 and was shut down in 1952.
P 15	Looking North East from rock slide showing Light Brush and Heavy Alder.
P 16	Looking North West from Ice Bridge showing approximate location of Dorreen Gold Mine Adit and Gold Vein and 2 Faults that the Author believes continue across Knauss Creek and onto the Snowball and Kandy Properties.
P 17	At Station 0+050 (50metres North West of Helicopter pad) on Baseline # 2. Looking 290 degrees down baseline towards Knauss Creek.
P 18	At Station 0+100 on Baseline # 2. Knauss Creek visible in background.
P 19	Heavy Alder along Baseline #2 towards Knauss Creek.
P 20	Heavy Alder and vegetation at Station 0+100 North along Cross line from MBS.
P 21	Looking East up Baseline #1 towards Ice Bridge.
P 22	Looking East up Baseline #1 towards Ice Bridge.
P 23	Cut Trail through Heavy Alder to Temporary Snowball Tarp camp.

\_\_\_\_\_

-

	Snowball Temporary Tarp Camp.
P 24	No Tent due to Heavy Rains. An Open Tarp does not cause condensation.
	Looking for crossing on Knauss Creek from East to West. Impossible to cross due to Heavy Rains and Flood Water conditions.
P 25	Crew took one jump in early morning when water was lower (cool overnight temperature). On return trip in afternoon, water was higher and crew landed in creek.
P 26	Looking North from Snowball MBS.
D 07	Looking North from Ice Bridge towards Knauss Creek.
Ρ2/	At approximate same elevation as Dorreen Gold Mine Adit.
P 28	Looking North down Tributary Creek showing rock talus and debris below Ice Bridge.
P 29	Photo taken from Helicopter on Return Trip to Terrace. September 20, 2008. White River Helicopters Ltd. Pilot Sid Pelletier.
	Looking West. Helicopter pad visible in foreground (left of the nose) and Knauss Creek is visible in mid ground
P 30	From Helicopter, Looking North above Ice Bridge
P 31	From Helicopter, Looking South up Tributary Creek towards Ice Bridge.

.

------







PG







P 10







P 14

![](_page_40_Picture_2.jpeg)

![](_page_41_Picture_0.jpeg)

![](_page_42_Picture_0.jpeg)

## P 18

![](_page_42_Picture_2.jpeg)

![](_page_43_Picture_0.jpeg)

![](_page_44_Picture_0.jpeg)

![](_page_45_Picture_0.jpeg)

924.

![](_page_45_Picture_2.jpeg)

![](_page_46_Picture_0.jpeg)

P 26

![](_page_46_Picture_2.jpeg)

![](_page_47_Picture_0.jpeg)

![](_page_48_Picture_0.jpeg)

![](_page_48_Figure_1.jpeg)

![](_page_48_Picture_2.jpeg)

![](_page_49_Picture_0.jpeg)

## APPENDIX NINE

9. Page 4 and Photo's # 4 and # 5 from Previous Report Titled
" Kandy 1-6 Group Report, December 20, 2004.
# 27676, Omineca Mining Division "

Photo 5 shows the plunging anticline towards the north where it meets Knauss Creek below.Knauss Cr flows from the west side of the anticline to the north and into Fiddler Creek. The worked on area,has a glacier at the south end which predominates on the #6 Kandy Claim.This is a tributary of Knauss Creek.

#### J. Assay Results

Assay certificate in back of Phase 2 program. 4 rock samples were taken and sent to Assayers Canada in Vancouver, B.C. All samples were assayed for Au-Ag-Pb-Zn samples K1-2-3 were also assayed for Manganese. Best assay was K4,float over a 10 X 40 metre area.Samples K1-2-3 maybe intersting in copper.Fill in assays are in progress at the time of writing this report.

#### K. <u>Conclusion</u>

The Fel Porphyries have intruded the shales in the valley on upfold causing a zone of weakness allowing deeper minerals Batholith, to rise to the surface.K4 sample float found near the Batholethic Biotite Carbonate Intrusive indicates a vein is in contact or close by.The mineralized float on the east side of the grid may be close to a intrusion but buried under the shale tulus.

East side of glacier with vein has Pyrolusite with some copper (fill in assays in progress) ,extensive black tulus can be seen from the air,see Photo 1.More Argintite could not be found in the bowl,but can see it on the drop off see Photo #2,too steep to sample.

The VLF-EM survey may be useful for interpretation on Phase 2 on lower ground with overburden.

COOLOGICAL SURVEY BRANCH

4

![](_page_52_Picture_0.jpeg)

# APPENDIX TEN

\_\_\_\_\_

10. Work Diary Summary for Snowball Property 2008

## **APPENDIX 10**

. . . . . . . . . . .

## WORK DIARY SUMMARY FOR SNOWBALL PROPERTY 2008

START DATE: END DATE:	Saturday August 23, 2008 Wednesday October 22, 2008
LL:	Leon Leblond, President and Prospector FML 115352
RM:	Rod Meredith, RPF, Prospector FML 201234

## TD: Trevor Darby

----

\_\_\_\_\_

Date	Who	Hours	Description	Camp
Aug 23	LL RM	10 10	Helicopter In. Set Up Temporary Camp and Biffy.	Y Y
Aug 24	LL RM	10 10	Prospect Area Snowball Claim	Y Y
Aug 25	LL RM	10 10	Rock Picking	Y Y
Aug 26	LL RM	10 10	Set Up Main Base Station and Helipad	Y Y
Aug 27	LL RM	10 10	Set Up Baseline # 1	Y Y
Aug 28	LL RM	10 10	Clear Vegetation Baseline # 1	Y Y
Aug 29	LL RM	10 10	Finish Baseline # 1	Y Y
Aug 30	LL RM	10 10	Set Up, Clear Vegetation and Finish Baseline # 2	Y Y
Aug 31	LL RM	10 10	Set Up Cross Lines	Y Y
Sept 1	LL RM	10 10	Finish Cross Lines	Y Y

Sept 2	LL RM	10 10	Rock Picking and Photo's	Y Y
Sept 3	LL RM	10 10	Dismantle Temporary Camp. Hike Out to Br 300. Drive to Terrace	Y Y
Sept 12	LL RM	10 10	Hike In to Snowball Property. Establish Temporary Camp.	Y Y
Sept 13	LL RM	10 10	Start Taking VLF-EM 16 Readings	Y Y
Sept 14	LL RM	10 10	EM-16 Readings	Y Y
Sept 15	LL RM	10 10	EM-16 Readings	Y Y
Sept 16	LL RM	10 10	EM-16 Readings	Y Y
Sept 17	LL RM	10 10	Rock Picking and Photo's Finish EM-16 Readings	Y Y
Sept 18	LL RM	10 10	Sampling For Assays Rock Picking and Photo's	Y Y
Sept 19	LL RM	10 10	Sampling For Assays Rock Picking and Photo's	Y Y
Sept 20	LL RM	10 10	Dismantle Temporary Camp. Helicopter Fly Out Back To Terrace	Y Y
Oct 21	LL TD	10 10	Prospecting and Rock Picking	Y Y
Oct 22	LL TD	5 5	Prospecting and Rock Picking	Y Y

.....

Total Hours

-

450 hours

----- --

# APPENDIX ELEVEN

.

\_\_\_\_

11. 90 Day Assessment Report

#### APPENDIX 11

Assessment Report Title Page and Summary

Title of Report Snowball Technical and GeoCher	mical Report		Total Cost \$ 27,113
<u>Author:</u> Leon LeBlond, FML # 115352	Signature	fea-	hebland

<u>Notice of Work Permit Number:</u> <u>Notice of Work Permit Date:</u> Year of Work 08 -- 1650348 - 0805 August 5, 2008 2008

4244869

Snowball

Snowball

Statement of Work – Cash Payment Event Number:

Statement of Work – Cash Payment Date:

Property Name: Claim Names on Which Work Was Done:

<u>Commodities Sought:</u> Gold, Silver, Copper, Lead, Zinc

Mining Division: Omineca

<u>NTS:</u> 103 | 089

November 4, 2008

Latitude: Longitude: 54 deg 48' 36.8" Longitude: 128 deg 24" 17.6"

Owner: Knauss Creek Mines Ltd Mailing Address: Box 1097, Terrace, BC, V8G 4V1

Operator: Leon LeBlond Mailing Address: Box 1097, Terrace, BC, V8G 4V1

#### Property Geology

Hazelton Group Rocks of Jurrasic Age with Coast Range Intrusives. Shales – Slates Intruded by Fel / Qtz Porphyries with Batholthic biotite Carbonate Intrusives and associated minerals. Qtz with Au-Ag-Cu-Pb-Zn and Mn.

## <u>References to Previous Assessment Work and Assessment Report</u> <u>Numbers</u>

TYPE OF WORK IN THIS	EXTENT OF	ON WHICH	PROJECT
REPORT	WORK	CLAIMS	COSTS
	(metric		APPORTIONED
	units)		(incl support)
GEOLOGICAL			
Ground, mapping			\$ 3,350
Photo interpretation			
GEOPHYSICAL			
Ground			
Magnetic			
Electromagnetic			\$ 9,800
Induced Polarization			+ - ,
Radiometric			
Alibome			
			\$ 5 670
Bock 6 Samples			\$ 5,670
DRILLING			\$0
None			
RELATED TECHNICAL			<b>A</b> 000
Sampling / Assaying	ł		\$ 880
PROSPECTING			\$ 1,000
PREPATORY / PHYSICAL			
Line / grid (kilometres)			
I opgographic /			\$ 6,413
Photogrametric			
(kilomotroo)			
(knometres)			
TOTAL COST			\$ 27.113
			· · · · · · · ·

# APPENDIX TWELVE

\_\_\_\_....

\_\_\_\_

12. Copy of MTO Transaction.

Event # 4244869.

![](_page_60_Picture_2.jpeg)

•

Contact Us >

## Mineral Titles Online Viewer

#### Exploration and Development Work / Expiry Date Change Event Detai

Event Number ID	4244869
Work Type Code	Technical and Physical Work (B)
Amount	\$ 24913.00
Work Start Date	2008/aug/23
Work Stop Date	2008/oct/22
Mine Permit Number	08-1650348-0805
PAC name	knauss creek mines Itd
PAC credit	\$ 17529.95
Tenure Numbers	504021
Work Performed Index	Y
Old Good To Date	2008/nov/06
New Good To Date	2018/nov/06
Tenure Area	93.21
Required Work Amount	\$ 7383.05
Submission Fee	\$ 373.04
Work Type Item Code	Preparatory Surveys (PS)
Work Type Code	Physical Work (P)
Work Type Item Code	Transportation / travel expenses (TT)
Work Type Code	Physical Work (P)
Work Type Item Code	Geophysical (P)
Work Type Code	Technical Work (T)
Work Type Item Code	Prospecting (PR)
Work Type Code	Technical Work (T)
Work Type Item Code	Preparatory Surveys (TS)
Work Type Code	Technical Work (T)

Click <u>here</u> to go back to the previous page Click <u>here</u> to go back to the tenure search page. Click <u>here</u> to print this page.

COPYRIGHT DISCLAIMER PRIVACY A

Page 1 of 1

![](_page_61_Picture_1.jpeg)

Print and Close

Cancel

## Mineral Titles Online

**Payment Receipts Report** 

**Client Number:** 

201270 Client Name:

KNAUSS CREEK MINES LTD.

#### **Payment Receipts Report**

The following 2 payments were found:

Invoice #	Events	Payment Method	Payment Submethod	Payment Result	Reconciliation Status	Amount	Payment Date	Details
110148322	4244869 4244870	BCEP - Credit Card	MANUAL	SUCCESSFUL	No reconciliation	552.28	2008/NOV/04	<u>See</u> details
110148333	4244894	BCEP - Credit Card	MANUAL	SUCCESSFUL	No reconciliation	179.00	2008/NOV/04	<u>See</u> details

Back

Page 1 of 1

![](_page_62_Picture_1.jpeg)

Print and Close

Cancel

## Mineral Titles Online

**Payment Receipts Report** 

**Client Number:** 

201270 Client Name:

KNAUSS CREEK MINES LTD.

#### **Payment Receipts Report**

Service Provided: Mineral Tenure Operation

Date:	Nov 04, 2008	Transaction Type:	Purchase
Card Type:	Visa	Amount:	\$ 552.28
Card Number:	XXXXXXXXXXXXXXXXX	Invoice Number:	110148322

**Note 1:** The above card number is hidden for privacy.

Approval Code:	074171	Response Message:	Approved
Host Date/Time:	Nov 04, 2008 / 01:59:43pm	Sequence Number:	00000000000000000
ISO Response Code:	00	Terminal ID:	BCGOVEMMTO
Response Code:	000		

Note 2: "Mineral Tenure Operation" will appear on your credit card statement.

Click here to print this receipt.

Back