Assessment Report on the 2010 Trenching and Diamond Drilling Program

Charlotte Property

Whitehorse Mining District, Yukon Territory

In reference to claims:

Rose(4241), Golden Eagle (4278), War Eagle (4279), SPOT (4361), ARLEP (4368), PHYLLIS(4369),RUB(55633),PUB(55663), SUN DOG (55665), CUB(55666), JAM(55890),PAM(55892), DOME 1-4(73537-40), DOME 6-7(73542-43), Dome 8(73694), DOME 14(73700),DOME 16-20(73702-06), JOANNE 1-JOANNE 6(74283-88), DOME 25-28(77746-49),DOME 33-43(77754-64),DOME 49-58(77770-79), DOME 60-DOME 61(77781-82),DOME 63-66(77784-87), DOME 78-84(81842-48), DOME 86(81850), HIW 9-17(YA23835-43),HIW 1-2(YA24813-14),HIW 7 (YA24819), DD1-2(YA59596-97), DD 15-28 (YA59610-23), TBR 1-8(YA86690-97), ONT 38(YA87204), ONT 40(YA87206), ONT 42 (YA87208), EEK 1-9(YA87210-18), EEK 14-18(YA87223-27), ONT 44-47 (YA92655-58)

Located at Latitude 62°09'00.07"N, Longitude 137°09'50.32W"
NTS Mapsheet 115I/03

For Work Performed Between May 22-September 2 2010

Registered Owner: 101073531 Saskatchewan Ltd

Prepared for:

Guinness Exploration Inc.
1312 North Monroe Street,
235 – 15th street
Spokane, Washington,99201, USA

Prepared By:

Coast Mountain Geological Ltd.
Suite 620 – 650 West Georgia St.
Vancouver, B.C. V6B 4N9
John E. Hiner, L.Geo.
Cameron Norton, B.Sc.

Yukon
Energy, Mines and Resources

QUARTZ MINING ACT FORM 4 SECTION 56

APPLICATION FOR A CERTIFICATE OF WORK

Version française

Office Date Stamp

I, Alastair Duncan Brown,

of 125/515 Customs St West Akld 1142

Phone +64-21-333-290

make oath and say that:

1. I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.

2. I have done, or caused to be done, work, on the following mineral claim(s): (Here list claims on which work was actually done by number and name)

4279(WAR EAGLE), 4361(SPOT), 73537-73540(DOME 1-4), 73542-73543(DOME 6-4), 73700(DOME 14)
73702-73706(DOME 14-20), 77746-77748(DOME 25-27), 77754(DOME 33), 77761-77763(DOME 40-42),
77770(DOME 49), 77772-77774(DOME 51-53), 81842-81848(DOME 78-84), 81850(DOME 86), YA23835(HIW 15)
YA24813-24814(HIW 1-2), YA24819(HIW 7), YA59596(DD 1), YA87204 (ONT 38), YA87206(ONT 40)
YA87208(ONT 42), YA92656(ONT 45)

situated at 62°09'00.07"N, 137°09'50.32W" Claim sheet No. 115I/03

in the Whiteshorse Mining District, to the value of at least 1,023,665.89 dollars,

since the 22 day of May 20 10,

to represent the following mineral claims under the authority of Grouping Certificate No. _____.
(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

4241(ROSE), 4278(GOLDEN EAGLE), 4279 (WAR EAGLE), 4361(SPOT), 4368(ARLEP), 4369(PHYLLIS), 55633(RUB)
55663(PUB), 55665(SUN DOG), 55666(CUB), 55890(JAM), 55892(PAM), 73537-73540 (DOME 1-4),
73542-73694 (DOME 6-8), 73700(DOME 14), 73702-73706 (DOME 16-20), 74283-74288(JOANNE 1-6)
77746-77749(DOME 25-28), 77754-77764(DOME 33-43), 77770-77779(DOME 49-58), 77781-77782(DOME 60-61)
77784-77787(DOME 63-66), 81842-81848(DOME 78-84), 81850(DOME 86), YA23835-YA23843(HIW 9-17)

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 56).

Work completed by Guinness included excavator trenching, mapping and sampling, diamond drilling, a differential GPS survey of existing drill hole collars, a handheld GPS survey of existing trenches, an extensive GIS compilation of historical data, and preparation of an orthophoto for base map control. Work was carried out between May 22 and September 2 2010.

Sworn before me at Auckland, New Zealand this 19th day of January 20 11.

O'Donnell Notary Public commission for life

Owner or Authorized Agent

Information and Protection of Privacy Act

...nal information requested on this form is collected under the authority of and used for the purpose of administering the *Quartz Mining Act*. Ques-...ut the collection and use of this information can be directed to the Mining Recorders Office, Mineral Resources, Department of Energy, Mines and ...Yukon Government, Box 2703, Whitehorse, Yukon Territory, Y1A 2C6 (867) 667-3190

...F2 04/2003

Yukon
Energy, Mines and Resources

QUARTZ MINING ACT FORM 4 SECTION 56

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73702-73706(DOME 14-20), 77746-77748(DOME 25-27), 77754(DOME 33), 77761-77763(DOME 40-42),
77770(DOME 49), 77772-77774(DOME 51-53), 81842-81848(DOME 78-84), 81850(DOME 86), YA23835(HIW 15)
YA24813-24814(HIW 1-2), YA24819(HIW 7), YA59596(DD 1), YA87204 (ONT 38), YA87206(ONT 40)
YA87208(ONT 42), YA92656(ONT 45)

situated at 62°09'00.07"N, 137°09'50.32W" Claim sheet No. 115I/03

in the Whiteshorse Mining District, to the value of at least 1,023,665.89 dollars,

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(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

YA24813-YA24814 (HIW 1-2), YA24819 (HIW 7), YA59596-59597(DD1-2), YA59610-59623(DD 15-28),
YA86690-86697(TBR 1-8), YA87204 (ONT 38), YA 87206 (ONT 40), YA87208 (ONT 42).

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Notary Public Commission for a life. Owner or Authorized Agent

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QUARTZ MINING ACT FORM 12 SECTION 55

APPLICATION TO GROUP MINERAL CLAIMS

Whitehorse MINING DISTRICT

Office Date Stamp

I, (We) the undersigned owners or agent(s) of the owners of following mineral claims.

(Additional sheets or an appendix may be used) (Claim names and grant numbers to be listed in sequence eg. TOM 1-40, YC10001 - YC10040)

GRANT NUMBER	CLAIM NAME	MAP SHEET
4241	ROSE	115I/03
4278	GOLDEN EAGLE	115I/03
4279	WAR EAGLE	115I/03
4361	SPOT	115I/03
4368	ARLEP	115I/03
4369	PHYLLIS	115I/03
55633	RUB	~~115~~ 115I/03
55663	PUB	115I/03
55665	SUN DOG	115I/03
55666	CUB	115I/03
55890	JAM	115I/03

Give notice of intention to group the said claims for the performance of work and do hereby apply under the provisions of section 55 of the *Quartz Mining Act* for a certificate in form 6.

I (We) hereby certify that the above claims are adjoining as shown on the attached sketch

Dated at Auckland 10am

This 18 day of Jan, 20 11

Applicant(s)

Access to Information and Protection of Privacy Act
The personal information requested on this form is collected under the authority of and used for the purpose of administering the *Quartz Mining Act*.
Questions about the collection and use of this information can be directed to the Mining Recorders Office, Mineral Resources, Department of Energy, Mines and Resources, Yukon Government, Box 2703, Whitehorse, Yukon Territory, Y1A 2C6 (867) 667-3190

YG(5048EQ)F1 Rev.04/2009

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QUARTZ MINING ACT FORM 12 SECTION 55

APPLICATION TO GROUP MINERAL CLAIMS

Whitehorse MINING DISTRICT

Office Date Stamp

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(Additional sheets or an appendix may be used) (Claim names and grant numbers to be listed in sequence eg. TOM 1-40, YC10001 - YC10040)

GRANT NUMBER	CLAIM NAME	MAP SHEET
55892	PAM	115I/03
73537-73540	DOME 1 - DOME 4	115I/03
73542-73694	DOME 6 - DOME 8	115I/03
73700	DOME 14	115I/03
73702-73706	DOME 16 - DOME 20	115I/03
74283-74288	JOANNE 1 - JOANNE 6	115I/03
77746-77749	DOME 25 - DOME 28	115I/03
77754-77764	DOME 33 - DOME 43	115I/03
77770-77779	DOME 49 - DOME 58	115I/03
77781-77782	DOME 60 - DOME 61	115I/03
77784-77787	DOME 63 - DOME 66	115I/03

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(Additional sheets or an appendix may be used) (Claim names and grant numbers to be listed in sequence eg. TOM 1-40, YC10001 - YC10040)

GRANT NUMBER	CLAIM NAME	MAP SHEET
81842 - 81848	DOME 78 - DOME 84	115I/03
81850	DOME 86	115I/03
YA23835-YA23843	HIW 9 - HIW 17	115I/03
YA 24813 - YA 24814	HIW 1 - HIW 2	115I/03
YA 24819	HIW 7	115I/03
YA 59596 - YA 59597	DD 1 - DD 2	115I/03
YA 59610 - YA 59623	DD 15 - DD 28	115I/03
YA 86690 - YA 86697	TBR 1 - TBR 8	115I/03
YA 87204	ONT 38	115I/03
YA 87206	ONT 40	115I/03
YA 87208	ONT 42	115I/03

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(Additional sheets or an appendix may be used) (Claim names and grant numbers to be listed in sequence eg. TOM 1-40, YC10001 - YC10040)

GRANT NUMBER	CLAIM NAME	MAP SHEET
YA87210-YA87218	EEK 1 - EEK 9	115I/03
YA87223-YA87227	EEK 14 - EEK 18	115I/03
YA92655-YA92658	ONT 44 - ONT 47	115I/03

Give notice of intention to group the said claims for the performance of work and do hereby apply under the provisions of section 55 of the *Quartz Mining Act* for a certificate in form 6.

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YG(5048EQ)F1 Rev.04/2009

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Summary

The Charlotte Property is located in the Mount Nansen area of the west-central Yukon Territory, Canada, approximately 60 kilometers west of the town of Carmacks. The property is accessible by an all-weather gravel road from Carmacks. The property consists of 128 full or fractional quartz mining claims and leases that comprise a total area of 2336 hectares.

The region lies within the Tintina Gold Belt, a 200 kilometer wide and 1,200 kilometer-long trend of mid- to Late Cretaceous granitoid intrusions (diorite, granodiorite, quartz monzonite, syenite) extending from central Alaska, across central Yukon, to the Yukon-British Columbia border, roughly parallel to the ancient North America craton boundary. The Tintina Gold Belt includes several significant gold deposits, including Pogo, Fort Knox, True North, Donlin Creek and Shotgun.

The Mount Nansen area is underlain by metamorphosed intrusive, sedimentary and volcanic rocks of the Dawson Range of the Yukon-Tanana geologic terrane. These rocks are intruded by Early Cretaceous felsic plutonic rocks and overlain by mid-Cretaceous Mount Nansen mafic to intermediate volcanic rocks and related sub-volcanic feldspar porphyry dykes and plugs.

Placer gold was originally discovered on Nansen Creek in 1899. The first lode gold discovery was made by prospectors Brown and McDade in 1943. Underground development commenced in 1947 on the Brown-McDade zone and lasted several years. The property remained idle until the early 1960s when several syndicates performed exploration on the Brown-McDade, Huestis and Webber zones. A 270-tonne per day flotation mill was constructed in 1967 but low gold recovery led to closure in 1969. Limited production from the Huestis deposit was realized in 1975 but the mine shut down shortly after. By 1976 a total of 4572 m of underground development had been conducted on the three zones.

BYG Natural Resources Inc. (“BYG”) acquired the property in 1984 and expanded with the addition of adjacent claims to form the Mount Nansen property. BYG reportedly spent over $5 million on exploration from 1985 to 1988, including trenching, diamond drilling and rotary percussion drilling. A near-surface oxide zone at the Flex zone was discovered and the underground sulphide resource was expanded.

Intermittent exploration, baseline environmental studies and engineering design work was performed over the period from 1988 to 1996 and culminated in commercial gold production in January 1997. Production continued on an intermittent basis until February 1999 when all mining and milling operations ceased. BYG entered receivership in May 1999. The federal government took over ownership of the property and declared the site officially abandoned in 1999. They handed over management of the site to the Yukon government in 2003. In 2004 the court appointed receiver PricewaterhouseCoopers to manage the mines’ assets. In 2007 the receiver sold 199 periphery claims to #101073531 Saskatchewan, which included the Flex, Webber and part of the Huestis zones. The bulk of these claims now form the present-day Charlotte property. The mined-out Brown-McDade pit, the

underground workings, the mill site and the tailings pond are situated SE of the Charlotte property and remain under the care of the Yukon government and are off-limits for claim staking. Yukon government personnel are working with the Little Salmon Carmacks First Nation on a final closure plan for the Brown-McDade mine site.

Historic exploration and development work in the Mount Nansen area has focused mainly on defining near-surface gold and silver mineralized zones, with the bulk of the work directed towards the Brown-McDade, Huestis, Webber and Flex zones. Other peripheral zones such as the Orloff-King and the Cabin have seen only modest work. The main zones are essentially comprised of anastomising, sulphide-quartz veins that are preferentially hosted in north-westerly trending fault/shear structures. The structures appear to cut foliated Early Mississippian gneissic rocks and are spatially related to the mid-Cretaceous intrusive suite. A secondary north-easterly-trending set of fault structures is known from detailed mapping at several mineralized zones. The north-easterly structures appear to cross-cut and offset the main fault structures, creating structurally-suitable areas for localization of mineralization at the intersection with north-westerly faults.

The mineralized structures occur in a 2.5 kilometer wide, 15 kilometer-long trend known as the Mount Nansen trend. The zones exhibit differential and variable intensity of regional metasomatism and hydrothermal alteration, with localized strong bleaching and intensive clay development in some zones. Surficial weathering can vary in depth from 5 m to 150 m, depending on location and slope aspect. Some zones have a well-developed leach cap overtop of supergene enrichment, which gives way at depth to hypogene sulphide mineralization.

The three main precious metal zones known on the Charlotte property are the Webber, Huestis and Flex zones. The Huestis and Webber zones have been explored from surface drilling and underground development. The Flex zone has been extensively trenched, drilled and was pre-stripped for mine development in 1997. Work was deemed sufficient in the day to define indicated and inferred resources for the three zones. These historical resources are not compliant with Technical Instrument 43-101 standard and cannot therefore be relied upon to infer profitable or mineable reserves.

The Central Porphyry Zone is a porphyry copper-molybdenum mineralized zone associated with a quartz feldspar porphyry intrusion in the north end of the property. This zone was explored by Cyprus in the late 1960's and early 1970's as part of their regional porphyry copper exploration, and by BYG later in the 1990's. Average hypogene grades of 0.12% Cu and 0.01% Mo are reported from below the 60 to 90 m depth with approximately double the grade in the overlying supergene enrichment zone. Local higher grade Cu – Mo zones are noted from fracture systems and also associated with rare precious metal values. The zone is defined by approximately 4500m of drilling in 26 holes. There is evidence of more recent trenching and reverse circulation drilling on the zone which is anecdotally assigned to BYG but for which assessment work is apparently unrecorded.

Recent exploration on the property began in 2008 with the completion of a detailed airborne magnetomter and EM geophysical survey by 101073531 Saskatchewan Ltd.. The survey enhanced the

understanding of the regional and structural setting, and identified magnetic highs closely associated with mapped intrusive bodies.

In 2010 a 14-hole diamond drill and trenching program was conducted by Guinness Exploration Inc., a public company that acquired an option to the claims held by 101073531 Saskatchewan Ltd. The drilling was focused on twinning certain existing drill holes at the Flex zone in an attempt to confirm historic mineralized intervals and grades, and to infill some gaps between previous drill fences. The drilling successfully confirmed historic precious metal grades and interval lengths, and further demonstrated that the Flex zone extends at depth down-dip of the maximum historical drill depth. Drilling at the extreme ends of the zone were inconclusive (poor ground conditions to the SE and limited budget to the NW) but suggest possible strike extensions.

Trenching to bedrock was conducted in two areas known to have significant historical gold-in-soil anomalies, the Orloff-King and the GRW zones. Trenching was successful in delineating strong near-surface alteration patterns that are associated with visible mineralization examined in the trench cuts. Trench results provide impetus for further development of these zones. Many gold-in-soil point anomalies that had been identified from historical geochemical surveys remain largely untested.

The authors conclude that historical and modern exploration has yet to fully define the ore potential of the Charlotte property. The known zones present compelling gold-silver targets, which need full definition to reach a 43-101 compliant standard. In addition the property offers areas of high prospectivity peripheral to the known zones that remain under explored. Additional exploration work is warranted to upgrade known zones to 43-101 compliant status and fully define peripheral zones through additional drilling and trenching.

Property Description and Location

The Charlotte Project is located within the Whitehorse Mining District on NTS mapsheet 115I/03. The claim block consists of 128 full or fractional quartz mining claims and leases (see table 1 and figure 1) for a total of 2336.14 hectares centred at approximately N 62°03'00.07"/W 137°09'50.32". The claims are contiguous although currently they form an irregular shape due to several earlier generations of claim staking.

The Mt. Nansen area is part of the traditional territory of the Little Salmon/Carmacks First Nation. Certain aboriginal rights extend over all territory lands and are guaranteed by the Canadian Constitution. Much of the property lies on crown land and management is the responsibility of the Yukon territorial government. However, a part of the claim block is situated on settlement land and its management is subject to the terms and conditions of the 1998 final negotiated agreement between the governments of Canada, the Yukon and the Little Salmon/Carmacks First Nation. The legal mineral claim owner retains the right to work on claims held in good standing that overlie settlement lands. However, if the mineral claims are allowed to lapse, the area under expired tenure will revert to the First Nation.

Future development of the Charlotte Project will require consultation with the Little Salmon/Carmacks First Nation to ensure constitutionally-protected aboriginal rights are not infringed and to ensure management of settlement land meets the terms and conditions of the final agreement. Channels of communication have been established by CMG as per the requirements of the Class 3 Mining Lands Permit which was issued to facilitate the 2010 drill and trench program. The Little Salmon/Carmacks First Nation administration office is located in Carmacks.

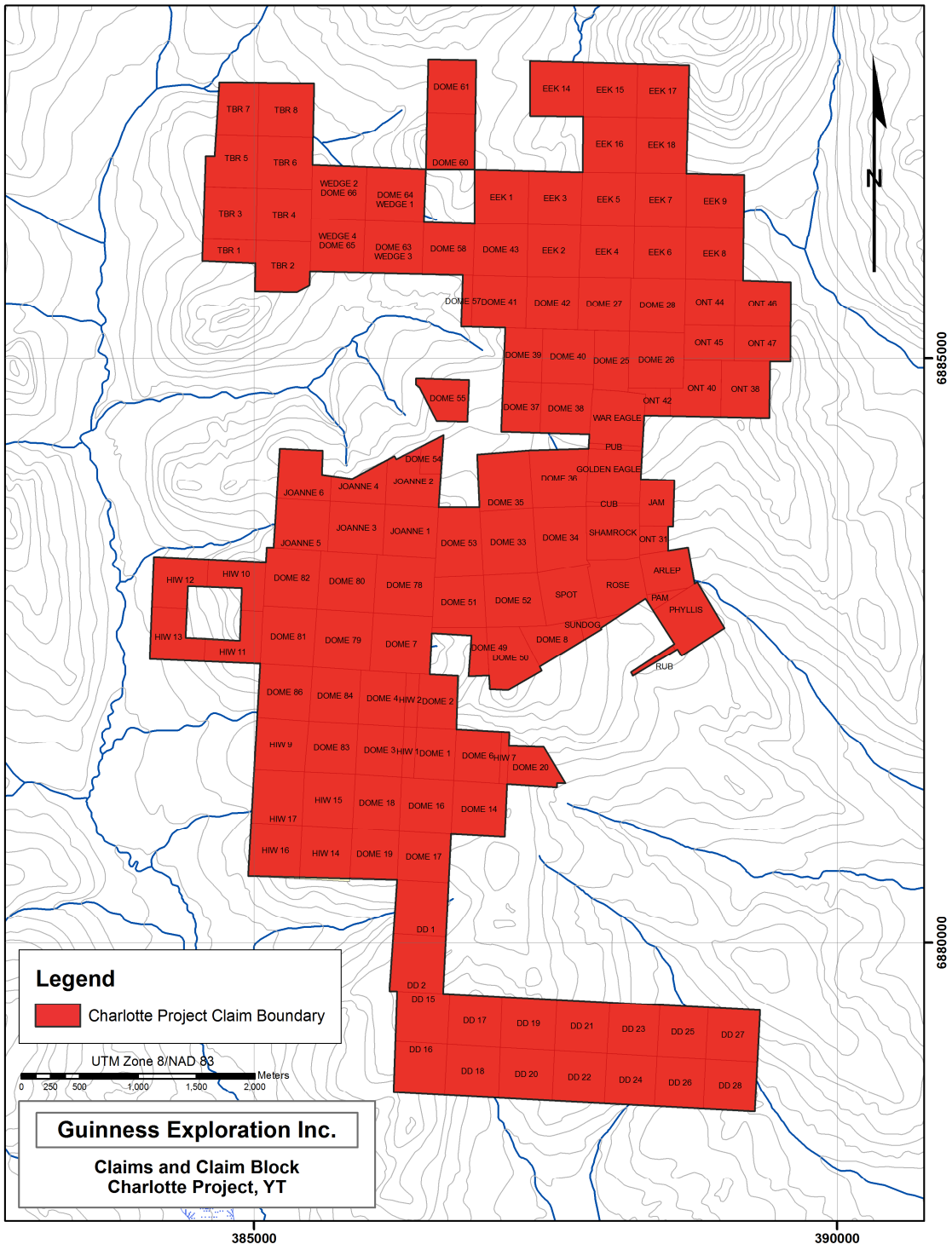


Figure 1. Claim map of the Charlotte Property

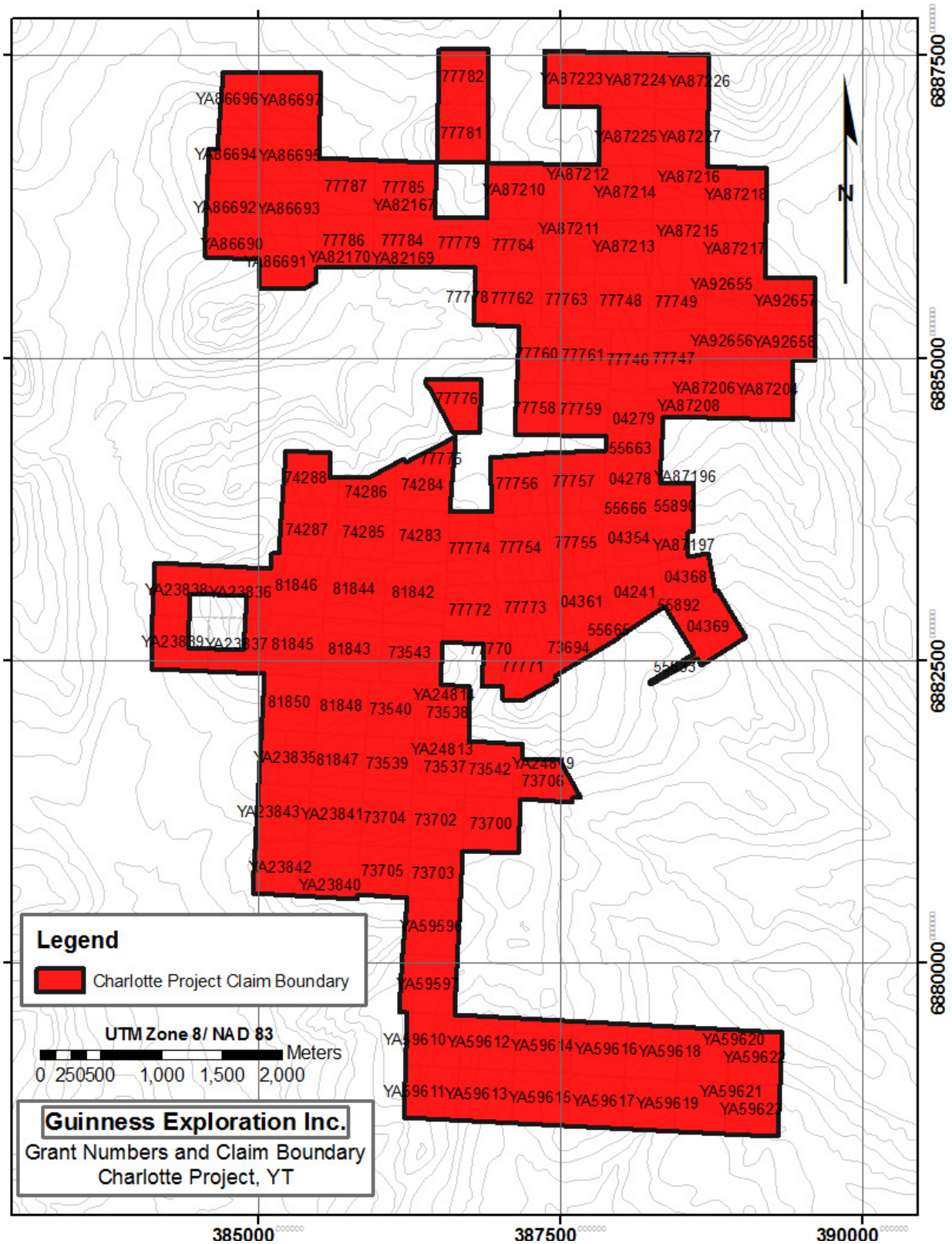


Figure 2. Grant number map of the Charlotte Property

Table 1. Charlotte Property claim data.

Grant Number	Claim Name	Claim Number	Claim Owner	Expiry Date*	Quartz Lease	Area (Ha)
4241	ROSE		101073531 Saskatchewan Ltd.	06/02/2014	OW00044	20.42
4278	GOLDEN EAGLE		101073531 Saskatchewan Ltd.	06/02/2014	OW00045	20.96
4279	WAR EAGLE		101073531 Saskatchewan Ltd.	06/02/2014	OW00046	20.77
4354	SHAMROCK		101073531 Saskatchewan Ltd.	06/02/2014	OW00047	20.73
4361	SPOT		101073531 Saskatchewan Ltd.	06/02/2014	OW00049	19.92
4368	ARLEP		101073531 Saskatchewan Ltd.	06/02/2014	OW00051	14.48
4369	PHYLLIS		101073531 Saskatchewan Ltd.	06/02/2014	OW00052	20.26
55633	RUB		101073531 Saskatchewan Ltd.	06/02/2014	OW00054	1.84
55663	PUB		101073531 Saskatchewan Ltd.	06/02/2014	OW00056	1.93
55665	SUN DOG		101073531 Saskatchewan Ltd.	06/02/2014	OW00057	3.2
55666	CUB		101073531 Saskatchewan Ltd.	06/02/2014	OW00058	1.29
55890	JAM		101073531 Saskatchewan Ltd.	06/02/2014	OW00059	11.64
55892	PAM		101073531 Saskatchewan Ltd.	06/02/2014	OW00060	2.64
73537	DOME	1	101073531 Saskatchewan Ltd.	06/02/2014	-	15.1
73538	DOME	2	101073531 Saskatchewan Ltd.	06/02/2014	-	15.51
73539	DOME	3	101073531 Saskatchewan Ltd.	06/02/2014	-	17.29
73540	DOME	4	101073531 Saskatchewan Ltd.	06/02/2014	-	17.98
73542	DOME	6	101073531 Saskatchewan Ltd.	06/02/2014	-	17.32
73543	DOME	7	101073531 Saskatchewan Ltd.	06/02/2014	-	25.34
73694	DOME	8	101073531 Saskatchewan Ltd.	06/02/2014	-	12.47
73700	DOME	14	101073531 Saskatchewan Ltd.	06/02/2014	-	21.07
73702	DOME	16	101073531 Saskatchewan Ltd.	06/02/2014	-	20.61
73703	DOME	17	101073531 Saskatchewan Ltd.	06/02/2014	-	18.41
73704	DOME	18	101073531 Saskatchewan Ltd.	06/02/2014	-	18.56
73705	DOME	19	101073531 Saskatchewan Ltd.	06/02/2014	-	16.73
73706	DOME	20	101073531 Saskatchewan Ltd.	06/02/2014	-	13.42
74283	JOANNE	1	101073531 Saskatchewan Ltd.	06/02/2014	-	19.79
74284	JOANNE	2	101073531 Saskatchewan Ltd.	06/02/2014	-	19.51
74285	JOANNE	3	101073531 Saskatchewan Ltd.	06/02/2014	-	20.36
74286	JOANNE	4	101073531 Saskatchewan Ltd.	06/02/2014	-	14.78
74287	JOANNE	5	101073531 Saskatchewan Ltd.	06/02/2014	-	19.83
74288	JOANNE	6	101073531 Saskatchewan Ltd.	06/02/2014	-	19.69
77746	DOME	25	101073531 Saskatchewan Ltd.	06/02/2014	-	15.19
77747	DOME	26	101073531 Saskatchewan Ltd.	06/02/2014	-	22.54
77748	DOME	27	101073531 Saskatchewan Ltd.	06/02/2014	-	20.32
77749	DOME	28	101073531 Saskatchewan Ltd.	06/02/2014	-	21.74
77754	DOME	33	101073531 Saskatchewan Ltd.	06/02/2014	-	25.5
77755	DOME	34	101073531 Saskatchewan Ltd.	06/02/2014	-	23.29

77756	DOME	35	101073531 Saskatchewan Ltd.	06/02/2014	-	22.39
77757	DOME	36	101073531 Saskatchewan Ltd.	06/02/2014	-	23.97
77758	DOME	37	101073531 Saskatchewan Ltd.	06/02/2014	-	14.23
77759	DOME	38	101073531 Saskatchewan Ltd.	06/02/2014	-	18.48
77760	DOME	39	101073531 Saskatchewan Ltd.	06/02/2014	-	14.95
77761	DOME	40	101073531 Saskatchewan Ltd.	06/02/2014	-	20.51
77762	DOME	41	101073531 Saskatchewan Ltd.	06/02/2014	-	20.76
77763	DOME	42	101073531 Saskatchewan Ltd.	06/02/2014	-	19.93
77764	DOME	43	101073531 Saskatchewan Ltd.	06/02/2014	-	20.47
77770	DOME	49	101073531 Saskatchewan Ltd.	06/02/2014	-	8.18
77771	DOME	50	101073531 Saskatchewan Ltd.	06/02/2014	-	18.83
77772	DOME	51	101073531 Saskatchewan Ltd.	06/02/2014	-	19.05
77773	DOME	52	101073531 Saskatchewan Ltd.	06/02/2014	-	21.85
77774	DOME	53	101073531 Saskatchewan Ltd.	06/02/2014	-	22.8
77775	DOME	54	101073531 Saskatchewan Ltd.	06/02/2014	-	14.69
77776	DOME	55	101073531 Saskatchewan Ltd.	06/02/2014	-	13.09
77777	DOME	56	101073531 Saskatchewan Ltd.	06/02/2014	-	13.35
77778	DOME	57	101073531 Saskatchewan Ltd.	06/02/2014	-	20.47
77779	DOME	58	101073531 Saskatchewan Ltd.	06/02/2014	-	19.41
77781	DOME	60	101073531 Saskatchewan Ltd.	06/02/2014	-	20.06
77782	DOME	61	101073531 Saskatchewan Ltd.	06/02/2014	-	18.91
77784	DOME	63	101073531 Saskatchewan Ltd.	06/02/2014	-	22.51
77785	DOME	64	101073531 Saskatchewan Ltd.	06/02/2014	-	22.88
77786	DOME	65	101073531 Saskatchewan Ltd.	06/02/2014	-	20.66
77787	DOME	66	101073531 Saskatchewan Ltd.	06/02/2014	-	21.18
81842	DOME	78	101073531 Saskatchewan Ltd.	06/02/2014	-	25.41
81843	DOME	79	101073531 Saskatchewan Ltd.	06/02/2014	-	24.1
81844	DOME	80	101073531 Saskatchewan Ltd.	06/02/2014	-	24.2
81845	DOME	81	101073531 Saskatchewan Ltd.	06/02/2014	-	22.52
81846	DOME	82	101073531 Saskatchewan Ltd.	06/02/2014	-	23.26
81847	DOME	83	101073531 Saskatchewan Ltd.	06/02/2014	-	18.72
81848	DOME	84	101073531 Saskatchewan Ltd.	06/02/2014	-	19.37
81850	DOME	86	101073531 Saskatchewan Ltd.	06/02/2014	-	20.76
YA23835	HIW	9	101073531 Saskatchewan Ltd.	06/02/2014	-	19.44
YA23836	HIW	10	101073531 Saskatchewan Ltd.	06/02/2014	-	20.83
YA23837	HIW	11	101073531 Saskatchewan Ltd.	06/02/2014	-	21.55
YA23838	HIW	12	101073531 Saskatchewan Ltd.	06/02/2014	-	19.93
YA23839	HIW	13	101073531 Saskatchewan Ltd.	06/02/2014	-	20.72
YA23840	HIW	14	101073531 Saskatchewan Ltd.	06/02/2014	-	19.55
YA23841	HIW	15	101073531 Saskatchewan Ltd.	06/02/2014	-	20.15
YA23842	HIW	16	101073531 Saskatchewan Ltd.	06/02/2014	-	19.86

YA23843	HIW	17	101073531 Saskatchewan Ltd.	06/02/2014	-	19.92
YA24813	HIW	1	101073531 Saskatchewan Ltd.	06/02/2014	-	4.74
YA24814	HIW	2	101073531 Saskatchewan Ltd.	06/02/2014	-	5.15
YA24819	HIW	7	101073531 Saskatchewan Ltd.	06/02/2014	-	3.01
YA59596	DD	1	101073531 Saskatchewan Ltd.	06/02/2014	-	20.62
YA59597	DD	2	101073531 Saskatchewan Ltd.	06/02/2014	-	22.35
YA59610	DD	15	101073531 Saskatchewan Ltd.	06/02/2014	-	19.2
YA59611	DD	16	101073531 Saskatchewan Ltd.	06/02/2014	-	19.21
YA59612	DD	17	101073531 Saskatchewan Ltd.	06/02/2014	-	19.37
YA59613	DD	18	101073531 Saskatchewan Ltd.	06/02/2014	-	19.85
YA59614	DD	19	101073531 Saskatchewan Ltd.	06/02/2014	-	20.17
YA59615	DD	20	101073531 Saskatchewan Ltd.	06/02/2014	-	19.9
YA59616	DD	21	101073531 Saskatchewan Ltd.	06/02/2014	-	19.64
YA59617	DD	22	101073531 Saskatchewan Ltd.	06/02/2014	-	19.17
YA59618	DD	23	101073531 Saskatchewan Ltd.	06/02/2014	-	18.69
YA59619	DD	24	101073531 Saskatchewan Ltd.	06/02/2014	-	18.3
YA59620	DD	25	101073531 Saskatchewan Ltd.	06/02/2014	-	18.18
YA59621	DD	26	101073531 Saskatchewan Ltd.	06/02/2014	-	17.65
YA59622	DD	27	101073531 Saskatchewan Ltd.	06/02/2014	-	19.49
YA59623	DD	28	101073531 Saskatchewan Ltd.	06/02/2014	-	18.71
YA86690	TBR	1	101073531 Saskatchewan Ltd.	06/02/2014	-	8.92
YA86691	TBR	2	101073531 Saskatchewan Ltd.	06/02/2014	-	20.16
YA86692	TBR	3	101073531 Saskatchewan Ltd.	06/02/2014	-	20.03
YA86693	TBR	4	101073531 Saskatchewan Ltd.	06/02/2014	-	20.84
YA86694	TBR	5	101073531 Saskatchewan Ltd.	06/02/2014	-	18.34
YA86695	TBR	6	101073531 Saskatchewan Ltd.	06/02/2014	-	20.92
YA86696	TBR	7	101073531 Saskatchewan Ltd.	06/02/2014	-	15.96
YA86697	TBR	8	101073531 Saskatchewan Ltd.	06/02/2014	-	21.79
YA87204	ONT	38	101073531 Saskatchewan Ltd.	06/02/2014	-	20.26
YA87206	ONT	40	101073531 Saskatchewan Ltd.	06/02/2014	-	18.34
YA87208	ONT	42	101073531 Saskatchewan Ltd.	06/02/2014	-	5.73
YA87210	EEK	1	101073531 Saskatchewan Ltd.	06/02/2014	-	21.07
YA87211	EEK	2	101073531 Saskatchewan Ltd.	06/02/2014	-	20.08
YA87212	EEK	3	101073531 Saskatchewan Ltd.	06/02/2014	-	20.7
YA87213	EEK	4	101073531 Saskatchewan Ltd.	06/02/2014	-	20.68
YA87214	EEK	5	101073531 Saskatchewan Ltd.	06/02/2014	-	20.8
YA87215	EEK	6	101073531 Saskatchewan Ltd.	06/02/2014	-	19.58
YA87216	EEK	7	101073531 Saskatchewan Ltd.	06/02/2014	-	19.97
YA87217	EEK	8	101073531 Saskatchewan Ltd.	06/02/2014	-	21.91
YA87218	EEK	9	101073531 Saskatchewan Ltd.	06/02/2014	-	22.64
YA87223	EEK	14	101073531 Saskatchewan Ltd.	06/02/2014	-	21.36

YA87224	EEK	15	101073531 Saskatchewan Ltd.	06/02/2014	-	21.22
YA87225	EEK	16	101073531 Saskatchewan Ltd.	06/02/2014	-	21.76
YA87226	EEK	17	101073531 Saskatchewan Ltd.	06/02/2014	-	20.01
YA87227	EEK	18	101073531 Saskatchewan Ltd.	06/02/2014	-	20.74
YA92655	ONT	44	101073531 Saskatchewan Ltd.	06/02/2014	-	16.8
YA92656	ONT	45	101073531 Saskatchewan Ltd.	06/02/2014	-	12.91
YA92657	ONT	46	101073531 Saskatchewan Ltd.	06/02/2014	-	18.48
YA92658	ONT	47	101073531 Saskatchewan Ltd.	06/02/2014	-	14.41

*Note: The given expiry date does not include assessment credits obtained during the 2010 field season. Refer to appendix 1 for a detailed cost statement

Accessibility, Climate, Local Resources, Infrastructure and Physiography

Accessibility and Infrastructure

The Charlotte Property is located within prolific Tintina Gold belt and, locally, the Mt. Nansen Mining Camp, one of the oldest gold mining camps in Yukon Territory. The property is situated approximately 180 km northwest of Whitehorse and 60 km west of the village of Carmacks in Yukon Territory. From Whitehorse, the property is accessed via the Klondike Highway to Carmacks (see figure 3). The Mt. Nansen Mine Road runs from Carmacks to the property. It is an all weather road that is maintained by the Territorial Government year round. A comprehensive network of mining roads services the property as well as the adjacent properties and active placer operations (Figure 4).

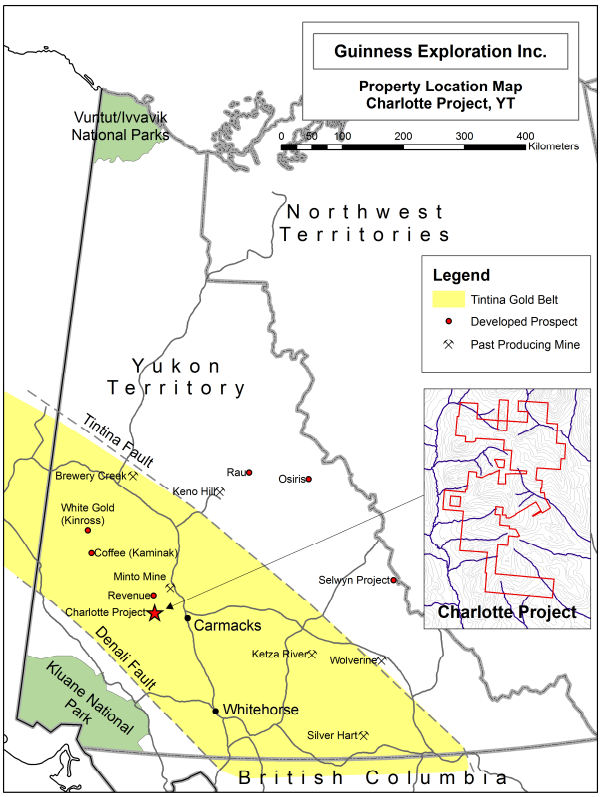


Figure 3. Charlotte Property location.

The village of Carmacks is a northern outpost settlement of approximately 600 citizens. Amenities are limited but include lodging, fuel and mechanical service, and a grocery store. There is a limited pool of skilled labour, such as mechanics and electricians and somewhat larger pool of willing unskilled labour. Carmacks is also home to the Little Salmon/Carmacks First Nation. Whitehorse is a full service community with all the amenities necessary to service an advanced stage exploration or mining project. Whitehorse has a work-force amenable to exploration with many advanced staged projects operating in the territory. The Whitehorse airport has daily air service to Calgary, Edmonton and Vancouver.

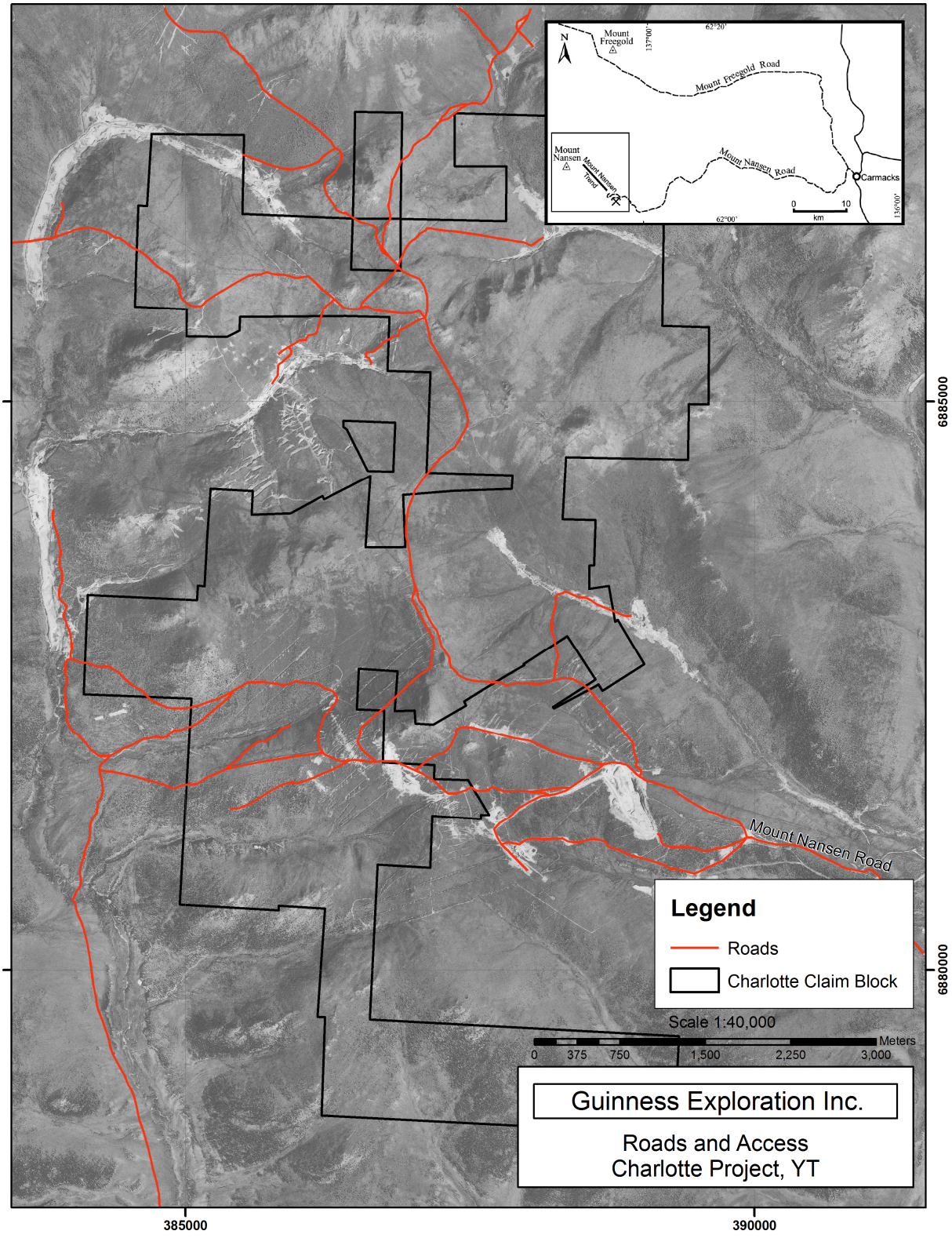


Figure 4. Roads and access.

Physiography and Climate

The Charlotte Property is located on the eastern margin of the Dawson Range. This area of the Yukon is unique in Canada as it lies northwest of the maximum extent of the Wisconsonian ice sheet (Eaton and Archer, 1989). As a result, the Dawson Range remained unaffected by the most recent (Pleistocene) glaciations (see figure 5). The terrain of the Dawson Range is that of a deeply weathered and incised peneplane. Drainages are deep, wide and dendritic while ridges and peaks are broad, round and gently rolling. Local elevations range from 1030 m in the deeper valleys to 1500 m on ridge tops (Melling, 1995;Rodger, 1996).

Despite the relatively deep weathering, soil development is generally poor. Typical soil profiles consist of 5 to 10 cms of organics overlying 0 to 5 cms of white volcanic ash, 10 to 100 cm of red-brown soil and 100 to 200 cms of decomposed bedrock mixed with soil through solifluction. The ash layer is part of the White River Ash and is the product of two major volcanic eruptions in the Wrangell-St. Elias Range that occurred about 1100 years before present.

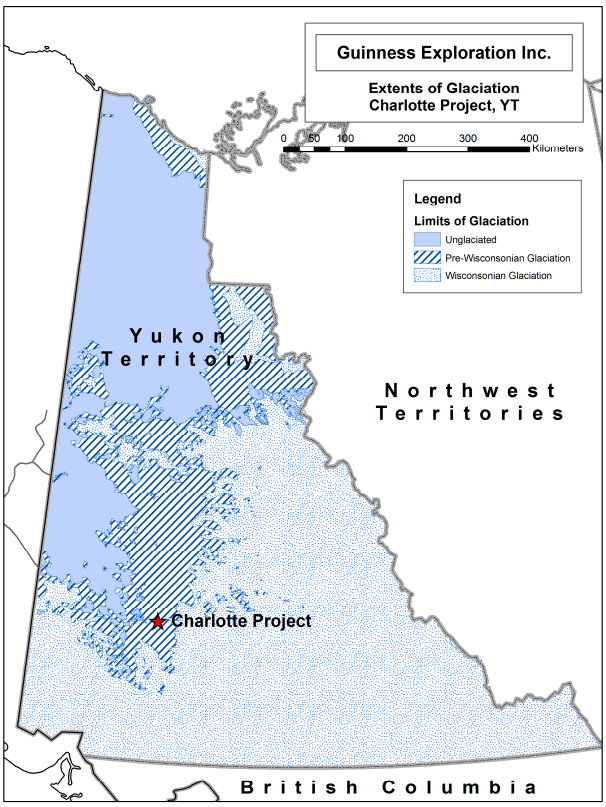


Figure 5. Extents of Glaciation.

Outcrop is rare and typically documented as felsenmeer of resistant weathering rock units on ridge tops and peaks. Drilling on various mineralized zones indicates that oxidation varies from as little as 1 m to greater than 75 m in depth, depending on bedrock permeability and structural variations (Walls and Eaton, 1987).

The Dawson Range is characterized by a temperate continental climate, with warm summers and cold winters. Average seasonal temperatures range from -25°C in winter and 15°C in the summers. Average precipitation for the Mt. Nansen area is approximately 250 mm, most of which falls in the summer months. Local snow pack is typically 30-40 cm deep in late winter (Stroshein, 2007b).

Permafrost is common in the area and varies according to the slope aspect and vegetation thickness (Stroshein, 2007b). North facing slopes typically do not exhibit an active layer and are frozen immediately under the vegetative mat. More southerly aspects have an active layer that will thaw to a depth of 1-2 metres during summer months (Eaton and Archer, 1989).

Exploration History of the Mt. Nansen Area

Overview

Captain Henry Seymour discovered placer gold in Nansen Creek in 1899. Other placer discoveries were made in the early 1900s, but none were large enough or rich enough for sustained development (Lecuyer, 1997).

In 1943, prospectors A. Brown and G. McDade discovered the first lode gold deposit, now known as the Brown-McDade Deposit, located immediately to the east of the Charlotte Property (See Figure 5). As a result, Brown-McDade Mines Ltd. formed in 1946 and began an extensive program of underground drilling and development. Concurrently, Conwest Explorations Ltd. discovered and explored the Webber zone while the Huestis Syndicate identified and delineated the Huestis zone (See Figure 6). Results from Brown-McDade development did not meet expectations and all exploration and development in the area ceased (Walls and Eaton, 1987).

In 1958, interest in the Mt. Nansen area was revived and, in 1962, the Mt. Nansen Exploration Syndicate optioned properties that overlap with the current Charlotte claim block. This group explored the Webber and Huestis zones with geochemical surveys, bulldozer trenching and one diamond drill hole in the Webber. Mt. Nansen Mines was formed by the syndicate in 1963. The Webber zone was further explored with bulldozer trenching and three diamond drill holes. Peso Silver Mines Limited acquired control of Mt. Nansen Mines Ltd. in 1964 and continued exploration on the Brown-McDade, Webber and Huestis zones with underground development and diamond drilling between 1964 and 1967 (Walls and Eaton, 1987).

In 1967 a production decision was made and construction of a 200 ton/day mill was started. From September 1968 to April 1969 18,000 tons of ore was mined and milled from the Huestis zone. A total of 2,482 oz Au, 76,534 oz Ag and 108,621 lb Pb was recovered from the ore. The production ceased until 1975 when the mine was reopened. 8,196 tons of ore were mined from the Huestis in early 1976. Of this, 6,429 tons grading approximately 0.3 oz/ton Au, 0.7 oz/ton Ag, 1.0% Pb and 1.0% Zn was milled (Stroshein, 2007b). Major recovery issues with the sulphide flotation circuit indicated that cyanide leaching was required for better recovery (Denholm et al., 2000). Due to these unfavourable results, the property remained inactive until it was acquired by BYG Resources Inc. (“BYG”) in 1984 (Stroshein, 2007b).

A porphyry copper showing known as Cyprus, part of which is located on the northwest corner of the current Charlotte claim block, was discovered (See Figure 6) in 1969 and explored in 1970 with soil geochemistry and airborne geophysics. Exploration was conducted by Area Exploration Company, a subsidiary of Cyprus Exploration Corporation, under an option agreement. Detailed exploration for copper and molybdenum mineralization was conducted during 1971 to 1975, with ground geochemical and geophysical surveys, 3,480 m of diamond drilling and 950 m of percussion drilling. Drilling intersected a supergene zone overlying hypogene mineralization with grades of 0.12% Cu and 0.01% Mo at a depth below 60 to 90 meters. Supergene grades are reported as approximately double that of hypogene grades. Local fractured intervals returned high grades of copper and molybdenum with rare precious metal values (Sawyer and Dickinson, 1975).

Limited reconnaissance mapping and sampling in the area in 2010 revealed shallow open trenches, road cuts and bagged rotary drill cuttings in sample bags that were left onsite. Anecdotal accounts attribute this work to BYG. No reliable record of this work has been located to-date and there is no public record of a defined historical resource.

Chevron Minerals optioned the claims that comprise the Charlotte Property, as well as those that cover the mine and mill site, in June 1985. Between 1985 and 1987, Archer, Cathro & Associates (“Archer-Cathro”) an exploration consulting firm, was contracted to oversee and execute an intensive exploration program (Eaton and Archer, 1988). By the end of the 1987 field season, Archer-Cathro had completed or overseen geological mapping over various parts of the property, test geophysical surveys, a 6300 soil geochemical survey (see figure 5), aerial photography, baseline and claim surveys, rehabilitation of the Brown-McDade adit portal, 24,121 m of excavator trenching, 1283.5 m of percussion drilling in 17 holes, 2605 m of diamond drilling in 41 holes, and metallurgical, geotechnical and environmental studies (Eaton and

Walls, 1988). Exploration focused mainly on delineation of oxide mineralization near surface that would be amenable to open-pit mining. However drilling also expanded the underground sulphide occurrence at the Webber and Huestis zones (Eaton and Archer, 1988).

In 1988, BYG took on sole proprietorship of the Mt. Nansen Project and became responsible for subsequent exploration. Exploration conducted in 1988 was overseen by Archer-Cathro and consisted of 1473 m of trenching on the Dickson, Huestis and Brown-McDade zones and 5397 m of diamond drilling primarily on the Brown-McDade zone and substantially less on the Orloff-King and Dickson zones. The previously unrecognized Flex zone was discovered during this period and believed to represent a near-surface oxide zone amenable to surface mining and leach treatment. BYG subsequently released a non-43-101 compliant resources estimation (Eaton and Archer, 1988). Exploration was put on hiatus between 1989 and 1994.

Metallurgical testing, mill flow sheet designs, tailings disposal assessments, and baseline environmental and assessment studies were conducted during the exploration hiatus between 1989 and 1994. Metallurgical work commissioned by BYG indicated that near-surface oxide ore would be amenable to cyanide leaching treatment. Studies also indicated that gold recoveries using this treatment would be much higher than the previous method of sulphide concentrate flotation (Rodger, 1994). BYG commissioned a feasibility study in 1994 based on the implementation of a cyanide circuit.

Mining and milling of oxide ore from the Brown-McDade pit commenced November 1996 and ran until November 1997 with commercial gold production achieved on January 1, 1997. Initial mill throughput was designed for 700 tonnes/day and annual gold production was estimated at 50,000 ounces. Ore throughput in January 1997 was 450 tonnes/day or 65% of nameplate capacity. Recoveries averaged 88% and the head grade averaged 0.235 ounces/ton (8.06 g/t) Au equivalent. Unanticipated clay alteration minerals in near-surface oxide ore decreased daily throughput to a point where the company was forced to install a semi-autogenous grinding mill (SAG mill) to deal with the clay content. The mill was forced to close in late 1997 when unseasonably heavy rainfall runoff coupled with mill effluent caused a water imbalance that the tailings impoundment could not adequately contain. Water treatment facilities were installed to meet water quality discharge objectives and the mine restarted in January 1998. The mill was forced to work at less than full mill capacity until new pumping equipment could be installed which overcame circuit problems and finally allowed the mill to operate at full capacity. The mine ceased production in February 1999 (Denholm et al., 2000).

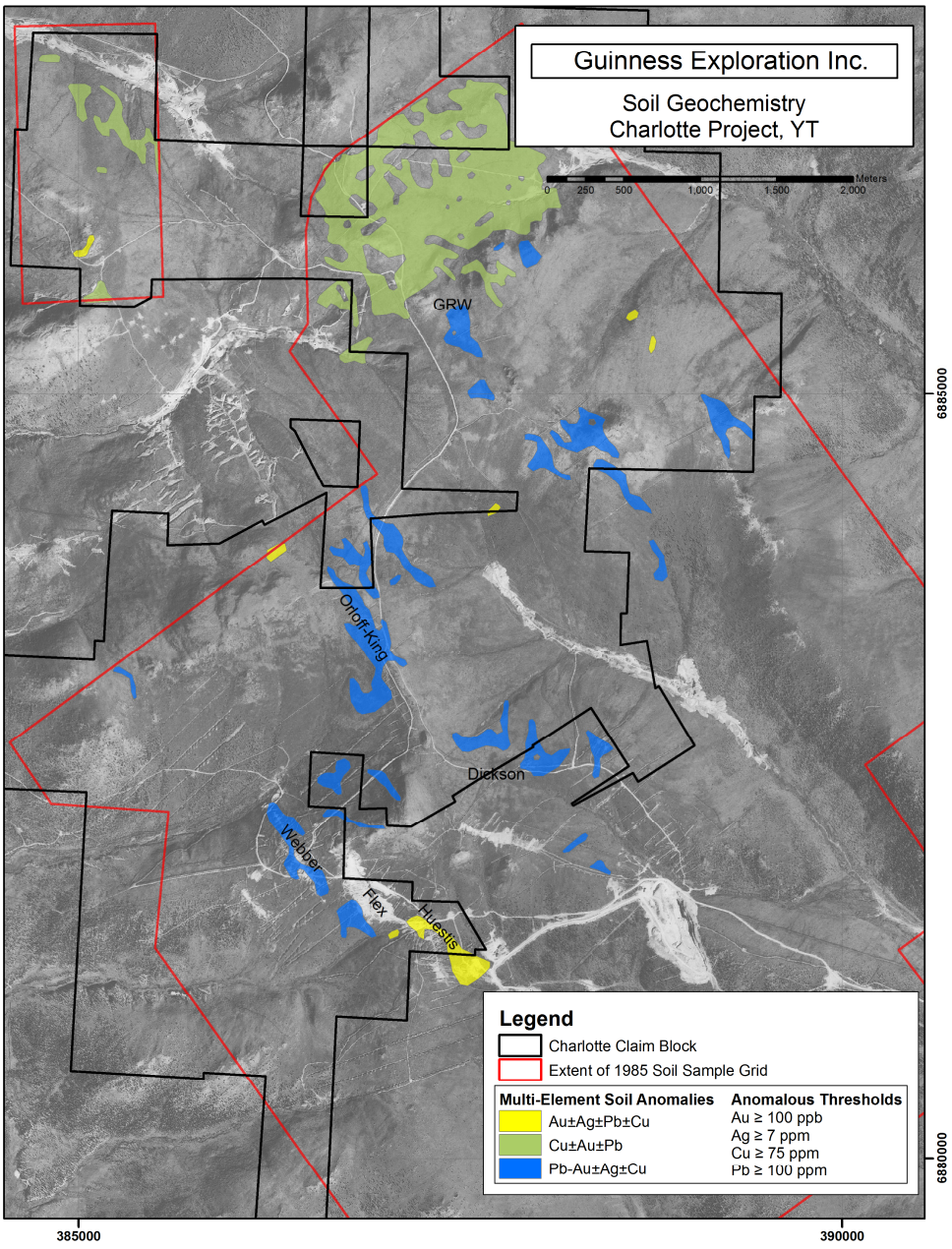


Figure 6. Historical Geochemistry.

In total, approximately 269,000 tonnes were processed with an average gold grade of 6.2 g/t and an average recovery of 67% through the combined operating period. Total gold and silver production through the combined operating period was 37,500 ounces and 143,000 ounces, respectively (Denholm et al., 2000; Stroshein 2007b), although the Yukon Geological Survey reports total BYG production from 1997 to 1999 of 21,628 oz Au and 76,866 oz Ag. The authors are unaware of the source of the production discrepancy.

1994 to 1998 also saw a flurry of exploration on the property. The exploration consisted of:
Diamond drilling on the Brown-McDade and Flex in 1994 (990 metres in 12 holes).
Diamond drilling on the Flex and Huestis in 1995 (1,490 metres in 21 holes).
Diamond drilling programs in 1996 consisted of 7 holes (400 metres) on the Webber and Huestis/Flex junction and 10 holes (700 metres) on the BMD hanging wall zone (Vince Vein).
Diamond drilling in 1998 included 30 holes (2,229 metres) on the Flex zone, 10 holes (762 metres) on the BMD, 12 holes (1,009 metres) on the BMD trend, 4 holes (402 metres) on the Breccia Zone (approximately 1 km north of the Brown-McDade Zone), and 1 hole (123 metres) on the Orloff King (Middleton, 2009).

BYG was ordered to terminate operations in 1999 due to non-compliance with the terms of the water license set forth by the Yukon Water Board. Cyanide and arsenic levels in the tailings impoundment facility were found to be elevated, proper effluent treatment had not been implemented, and there was concern about the stability of the tailings dam. BYG entered into bankruptcy shortly after termination and the property came under the control of Department of Indian and Northern Affairs ("DIAND"). D. Manning and Associates of Vancouver, BC was appointed by DIAND as receiver the same year, but soon resigned. In 2004, PriceWaterhouseCoopers ("PWC") was appointed receiver of the property and subsequently divided the property into a core claim block and a peripheral claim block. The core claim block was withdrawn from staking for environmental remediation. The peripheral claim block was opened up to tender (Denholm et al., 2000).

101073531 Saskatchewan Ltd (Sask Co) purchased the peripheral claim block, which includes the Charlotte claim block, from PWC in two transactions between 2007 and 2008 for total of $3.2 million. In addition, Sask Co entered into an option with PWC to acquire the Dome 12 claim in consideration of the sum of $25,000 expiring 2018 (Middelton, 2008).

In order to further delineate the known vein mineralization and examine the potential for possible extensions, an airborne VTEM-Magnetic geophysical survey was completed by Sask Co under contract to Geotech Ltd. The survey was also designed to test for the presence of any additional massive sulphide type deposits that would warrant further exploration. A total of 638 line kms were flown (Middelton, 2008).

Table 2.Summary of historical diamond drill holes.

Hole Number	Easting (mE)	Northing (mN)	Altitude (m)	Length (m)	Azimuth (°)	Dip (°)	Zone (°)
DDH 85-19	386319	6882095	1351.6	48.77	062	-55	Webber
DDH 85-20	386337	6881974	1358.0	38.1	062	-55	Webber
DDH 85-21	386345	6882029	1359.0	43.28	062	-55	Webber
DDH 85-22	386368	6881995	1363.3	39.62	062	-55	Webber
DDH 85-23	386317	6882011	1353.6	41.15	062	-55	Webber
DDH 85-24	386371	6881950	1365.4	39.62	062	-55	Webber
DDH 85-25	386403	6881907	1361.8	59.74	062	-55	Webber
DDH 86-26	386797	6881617	1326.9	64.01	045	-50	Flex
DDH 86-27	386796	6881682	1339.1	39.62	045	-50	Flex
DDH 86-28	386796	6881682	1339.1	61.26	045	-85	Flex
DDH 86-29	386742	6881737	1347.8	36.58	045	-50	Flex
DDH 86-30	386783	6881773	1357.9	68.58	045	-50	Flex
DDH 86-31	386815	6881630	-	27.74	045	-50	Flex
DDH 86-32	386765	6881755	1353.1	73.76	045	-50	Flex
DDH 86-33	386814	6881735	1352.7	51.82	045	-50	Flex
DDH 86-34	386727	6881787	1359.6	71.93	045	-50	Flex
DDH 86-35	386745	6881901	1392.1	46.02	045	-50	Flex
DDH 86-36	387035	6881786	1388.5	35.05	049	-50	Flex
DDH 87-38	386322	6882070	1354.0	74.68	045	-50	Webber
DDH 87-39	386313	6882132	1349.0	49.22	045	-50	Webber
DDH 87-40	386284	6882178	1336.4	61.26	045	-50	Webber
DDH 87-41	386722	6881879	1383.8	86.87	045	-50	Flex
DDH 87-42	386764	6881915	1390.9	35.36	045	-50	Flex
DDH 87-43	386752	6881814	1366.1	46.94	045	-50	Flex
DDH 87-44	386769	6881827	1367.7	53.64	045	-50	Flex
DDH 87-45	386825	6881746	1355.5	33.53	045	-50	Flex
DDH 87-46	386793	6881712	1349.5	64	045	-50	Flex
DDH 87-47	386811	6881695	1346.6	45.72	045	-50	Flex
DDH 87-48	386842	6881658	1341.6	49.07	045	-50	Flex
DDH 87-49	386825	6881642	1335.8	30.78	045	-50	Flex
DDH 87-50	387013	6881769	1377.6	47.55	045	-50	Huestis
DDH 87-51	387110	6881492	1350.8	76.2	045	-50	Flex-Huestis
DDH 87-52	387101	6881482	1349.7	56.69	045	-60	Flex-Huestis
DDH 87-53	386737	6881828	1372.4	64.92	045	-50	Flex
DDH 88-102x	387396	6881172	1338.4	40.5	279	-50	Huestis
DDH 88-105x	387100	6881506	1347.0	45.1	048	-50	Flex-Huestis
DDH 88-87x	387041	6883004	1486.9	24.4	056	-50	Orloff-King
DDH 88-88x	387066	6882938	1480.5	54.9	059	-50	Orloff-King
DDH 88-89x	387065	6882937	1480.2	32.9	059	-75	Orloff-King
DDH 88-91x	387101	6882886	1484.1	21.9	062	-50	Orloff-King
DDH 88-94x	387151	6882806	1493.7	24.7	063	-60	Orloff-King

DDH 94-137	386820	6881618	1347.6	25.29	045	-50	Flex
DDH 94-138	386834	6881681	1345.6	35.97	045	-59	Flex
DDH 94-139	386821	6881664	1340.5	46.33	045	-50	Flex
DDH 94-140	386846	6881623	1336.4	43.59	045	-50	Flex
DDH 94-141	386863	6881643	1341.1	37.49	045	-50	Flex
DDH 95-149	387149	6881642	1364.8	139.6	212	-50	Huestis
DDH 95-150	387149	6881642	1364.8	200.25	220	-68	Huestis
DDH 95-151	387324	6881753	1391.2	549.86	220	-70	Huestis
DDH 95-152	386730	6881932	1400.4	29.26	045	-50	Flex
DDH 95-153	386729	6881931	1400.3	31.7	045	-90	Flex
DDH 95-154	386746	6881906	1390.1	17.07	045	-50	Flex
DDH 95-155	386756	6881878	1383.6	21.34	045	-50	Flex
DDH 95-156	386755	6881877	1383.5	33.83	-	-90	Flex
DDH 95-157	386757	6881849	1375.0	30.48	045	-50	Flex
DDH 95-158	386756	6881847	1375.0	35.05	-	-90	Flex
DDH 95-159	386790	6881781	1359.9	19.81	045	-50	Flex
DDH 95-160	386793	6881747	1355.1	26.82	045	-50	Flex
DDH 95-161	386792	6881746	1354.8	38.4	-	-90	Flex
DDH 95-162	386803	6881724	1343.2	36.88	045	-50	Flex
DDH 95-163	386827	6881673	1343.2	41.45	045	-50	Flex
DDH 95-164	386840	6881652	1340.6	39.93	045	-50	Flex
DDH 95-165	386871	6881652	1342.7	24.69	045	-50	Flex
DDH 95-166	386855	6881634	1392.0	52.12	045	-50	Flex
DDH 95-167	386882	6881627	1339.3	27.74	045	-50	Flex
DDH 95-168	386765	6881790	1361.7	35.36	045	-50	Flex
DDH 95-169	386764	6881789	1361.7	58.22	-	-90	Flex
DDH 96-176	386512	6881768	N/D	N/D	N/D	N/D	N/D
DDH 96-177	386547	6881725	N/D	N/D	N/D	N/D	N/D
DDH 96-178	386871	6881547	N/D	N/D	N/D	N/D	N/D
DDH 96-180	386579	6881677	N/D	N/D	N/D	N/D	N/D
DDH 98-183	386766	6881971	1408.5	40.5	078	-50	Flex
DDH 98-184	386757	6881971	1408.0	43.9	078	-60	Flex
DDH 98-185	386751	6881943	1398.6	43.4	078	-50	Flex
DDH 98-186	386748	6881890	1384.0	92.7	078	-50	Flex
DDH 98-187	386762	6881918	1391.5	60.4	078	-50	Flex
DDH 98-188	386762	6881970	1408.2	118.6	258	-50	Flex
DDH 98-189	386777	6881871	1380.6	66.8	078	-50	Flex
DDH 98-190	386717	6881960	1408.6	71.8	078	-50	Flex
DDH 98-191	386717	6881908	1395.0	77.4	078	-50	Flex
DDH 98-192	386699	6881930	1400.8	92.4	078	-50	Flex
DDH 98-193	386669	6881948	1405.1	101.8	078	-50	Flex
DDH 98-194	386677	6881897	1393.1	113.1	078	-50	Flex
DDH 98-195	386660	6881973	1412.4	107.9	078	-50	Flex
DDH 98-196	386645	6882017	1427.5	107.6	078	-50	Flex

DDH 98-223	386639	6882064	1422.1	122.5	078	-50	Flex
DDH 98-224	386668	6882111	1424.1	100.9	078	-50	Flex
DDH 98-225	386748	6883530	1542.9	123.1	055	-50	Orloff-King
DDH 98-226	386741	6881861	1377.5	61	078	-50	Flex
DDH 98-227	386740	6881888	1384.1	61	078	-50	Flex
DDH 98-228	386727	6881936	1401.3	68.9	078	-50	Flex
DDH 98-229	386718	6881983	1419.6	109.7	078	-50	Flex
DDH 98-230	386862	6881634	1336.9	52	078	-50	Flex
DDH 98-231	386823	6881652	1338.1	76.2	078	-50	Flex
DDH 98-232	386807	6881688	1344.4	41.2	078	-50	Flex
DDH 98-233	386818	6881740	1353.4	44.2	078	-50	Flex
DDH 98-234	386759	6881725	1349.1	61	078	-50	Flex
DDH 98-235	386768	6881767	1354.1	61	078	-50	Flex
DDH 98-236	386741	6881788	1359.3	61	078	-50	Flex
DDH 98-237	386771	6881817	1366.7	50.3	078	-50	Flex
DDH 98-238	386882	6881589	1334.4	68.6	078	-50	Flex
DDH 98-239	386892	6881539	1324.9	54.9	078	-50	Flex

N/D indicates no data available

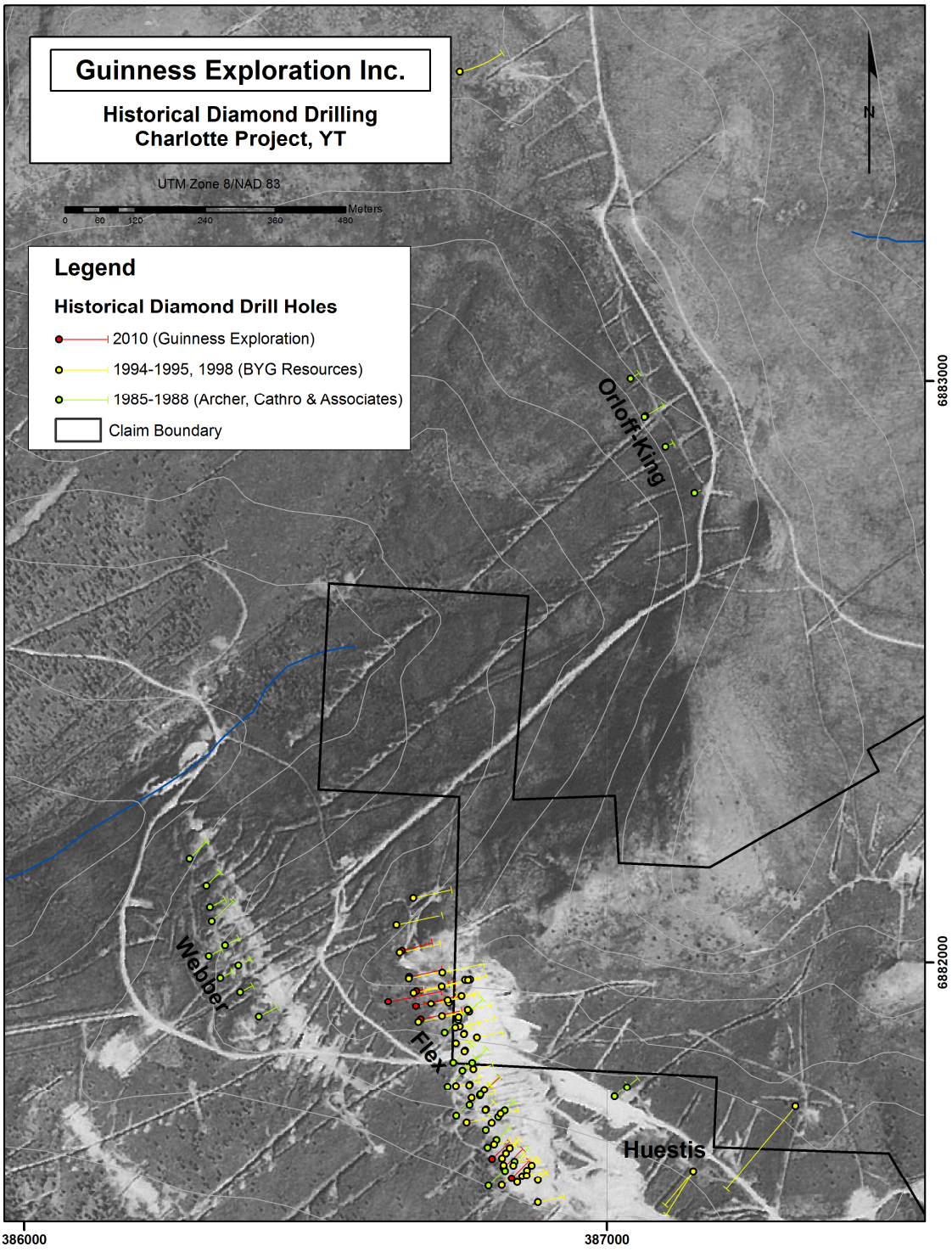


Figure 7. Historical Diamond Drilling. Note: due to subsequent disturbance, some drill collars have not been located and surveyed with a differential or handheld GPS. All disturbed holes are prior to 1998 diamond drilling.

Geological Setting

Regional Geology

The Mount Nansen Trend occurs within the Yukon-Tanana Terrane which is a large accreted terrane that is part of an agglomeration of terranes bounded by the Tintina Fault to the northeast and the Denali Fault to the southwest (Nelson and Colpron, 2007; refer to figure 8).

The Charlotte property is located within the Mount Nansen Trend which is a 15 km-long northwest- trending structural corridor, which is host to more than 30 recorded mineral occurrences of epithermal and porphyry origin. Many of the mineral occurrences are northwest-striking, steeply-dipping epithermal sulphide-quartz veins that occur in all lithologies. The Mount Nansen Trend is the southeast extent of the Dawson Range Mineral Belt, which extends to the Sixty Mile River area 250 kms to the northwest (Hart and Langdon, 1997).

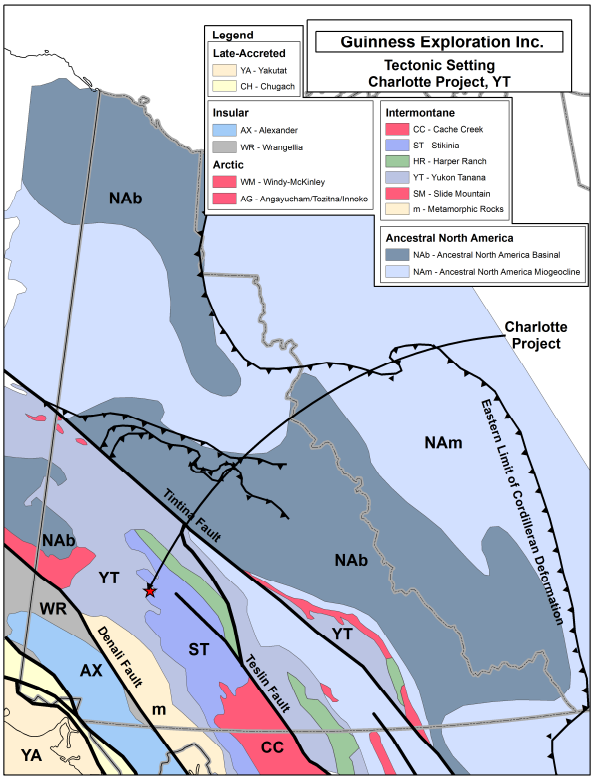


Figure 8.Tectonic assemblages of Yukon Territory. After Nelson and Colpron, 2007.

The Yukon-Tanana Terrane in the vicinity of Mount Nansen is comprised of Devonian and older meta-igneous and metasedimentary rocks dominated by chlorite schist and felsic orthogneiss (Hart and Langdon, 1997). The metamorpohic rocks are intruded by alkali-feldspar-rich plutonic suites of Early Jurassic age, including the Big Creek batholith and the Granite Mountain batholith. The most prominent plutonic suite in the region is the sheet-like granodiorite sill of the Dawson Range batholith which is mid-Cretaceous in age (Carlson, 1987).

An alkali-feldspar quartz syenite of uncertain age forms an intrusive body in the Bow Creek drainage north of the upper Klaza River. Volcanic rocks in the area are represented by the mid-Cretaceous Mount Nansen Group suite that formed from andesitic fragmental and flow units in nested calderas. The last phase of Mount Nansen Group volcanism resulted in hypabyssal quartz-feldspar porphyry and quartz monzonite stocks, dykes, sills and minor pyroclastics flows. The Late Cretaceous Carmacks group suite is composed of extensive and locally stacked basalt flows of shoshonitic composition (Hart and Langdon, 1997).

The Charlotte Property is underlain by Early Mississippian Nasina Assemblage metamorphic rocks which are intruded by several plutonic suites and capped by volcanic rocks of the mid-Cretaceous Mount Nansen Group and the Late Cretaceous Carmacks Group (Stroshein, 2007b).

The metamorphic assemblage is divided into meta-sedimentary and meta-igneous rock suites. The meta-sedimentary suite is composed of micaceous quartz-feldspar gneiss, schist and quartzite. Carbonate rocks occur near the property but are of limited volume. The meta-igneous suite consists of biotite-hornblende-feldspar gneiss and coarse-grained granodiorite orthogniess with lesser amphibolites (Carlson, 1987).

The metamorphic rocks are intruded by a number of plutonic suites. Volumetrically important units in the area include the Big Creek batholith which is recognized by its megacrystic alkali feldspars and its variable, but generally quartz-poor composition. Quartz-rich megacrystic alkali feldspar plutonic rocks have been mapped in the area and are considered to be Early Jurassic, and may be part of the Granite Mountain batholith. The most volumetrically dominant plutonic unit in the Mount Nansen area is the mid-Cretaceous biotite-hornblende granodiorite of the Dawson Range batholith. All of the plutonic and metamorphic rocks are cut by the mid-Cretaceous Coffee Creek plutonic suite, which crops out as dykes, sills, plugs and stocks of quartz-feldspar porphyry and quartz monzonite (Carlson, 1987).

Cretaceous volcanic rocks cap the other rock units in the area. In the immediate vicinity of the Charlotte Project, the Mount Nansen Group volcanics, coeval to the Coffee Creek plutonic suite, primarily outcrop as andesitic fragmental units and flows. The Late Cretaceous Carmacks Group volcanic complex is not found in the immediate vicinity of the Charlotte Property, but is volumetrically significant in the area. It is related to the Prospector Mountain plutonic suite and often comprises flat lying pyroclastic tuffs and flow units. It is frequently recognized capping prominent ridges in the area (Stroshein 2007a and b).

Property Geology

Four rock types dominate the immediate geology of the Charlotte Property (see figure 9). These four rock types are comprised of the Paleozoic metamorphic Nasina Assemblage to the south, the mid-Cretaceous granodiorite of the Dawson Range batholiths in the centre, the mid-Cretaceous, quartz-feldspar porphyry of the Coffee Creek plutonic suite to the north and the mid-Cretaceous andesite of the Mount Nansen Group volcanic suite, coeval to the Coffee Creek plutonic suite, surrounding the claim block (Walls and Eaton, 1987).

The oldest rocks underlying the claim block are the Paleozoic Nasina Assemblage comprised of metamorphic rocks that occur principally in the southern portion of the property. These rocks are comprised of strongly foliated, intercalated quartz-feldspar-chlorite gneiss, quartzite, amphibolite and augen gneiss. Foliation strikes northeast and dips steeply to the northwest. These rocks host the main mineralized zones including the Webber, Flex and Huestis Zones (Melling, 1995).

The mid-Cretaceous Dawson Range batholiths is represented by biotite-hornblende granodiorite in the northern third of the property has intruded the Nasina Assemblage. The granodiorite is typically medium to coarse-grained and locally foliated. At the very north end of the property, the granodiorite has been intruded by a large mid-Cretaceous pluton of the Mount Nansen (quartz-feldspar) Porphyry Intrusive complex which is related to the Coffee Creek Plutonic Suite (Melling, 1995).

Both the metamorphic and intrusive rocks are unconformably overlain by the andesite of the Mount Nansen Volcanic Suite. This andesite dominates the central portion of the property and is typified by fragmental and flow units. Small plugs, dykes and sills of quartz-feldspar porphyry are observed to intrude andesite (Melling, 1995; see figure 9).

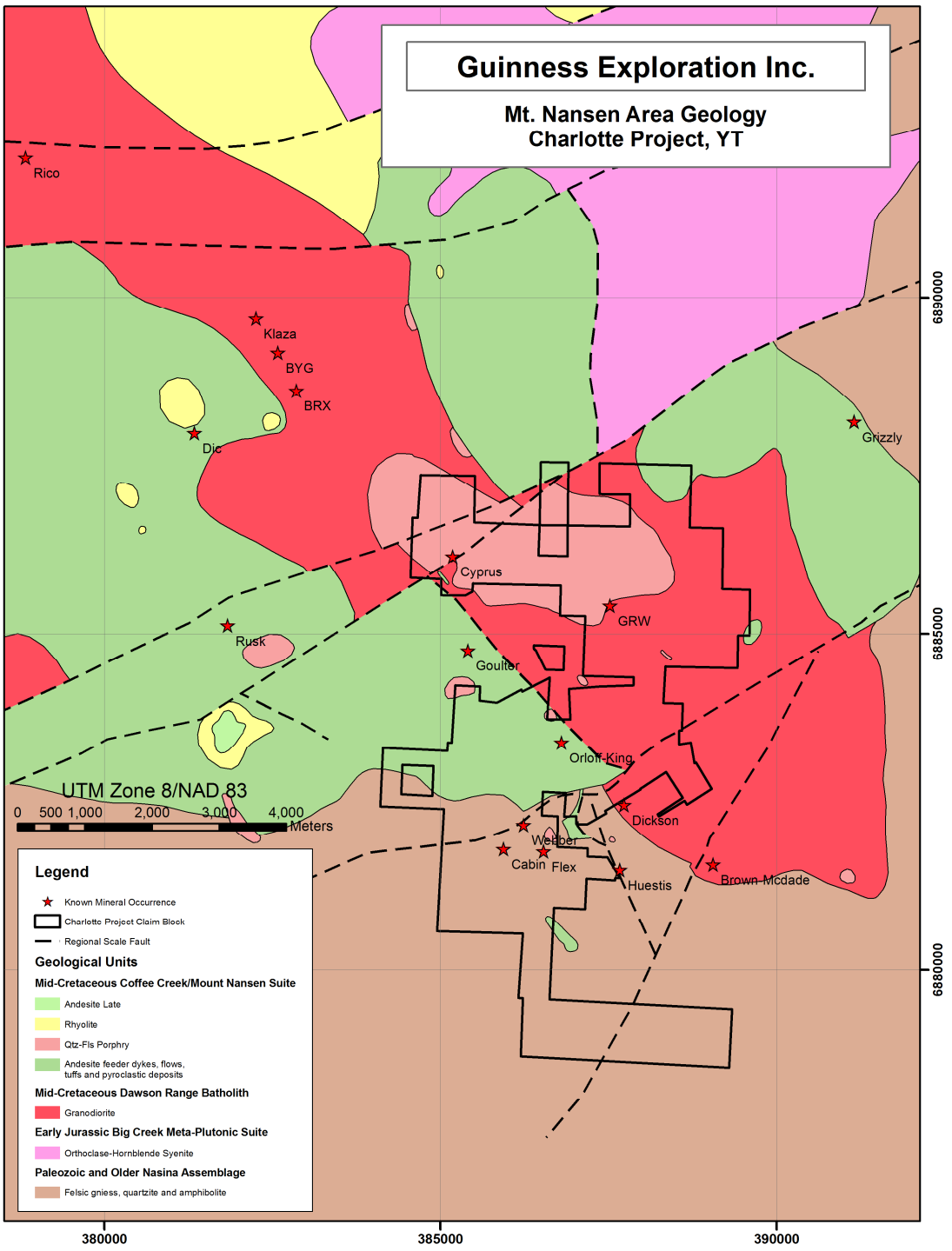


Figure 9. Mount Nansen area geology. After Eaton and Walls, 1987.

The main quartz-feldspar porphyry intrusive complex hosts the porphyry style mineralization known on the property (Sawyer and Dickinson, 1975).

Mineralization

Description

Ore Mineralization

As described previously, two types of mineralization have been documented on the Charlotte claim block. These are precious metal-bearing epithermal vein and breccias systems and Cu-Mo-Au porphyry mineralization.

Typical vein gangue mineralogy consists of quartz±carbonate. Sulphides tend to occur in semi-massive to massive rods or as smaller masses, blebs and disseminations throughout the vein system. Sulphide mineralogy tends to be dominated by pyrite with lesser galena, sphalerite, chalcopyrite, arsenopyrite and stibnite (Denholm et al., 2000). Gold mineralization occurs as fine-grained inclusions (5-40 microns) within or at the interstices between sulphide crystals (Lecuyer, 1997). Silver mineralization typically occurs as inclusions within galena and sphalerite crystals. High cadmium values are also associated with gold and silver mineralization. Estimates for a silver to gold ratio vary according to the worker and their set of parameters. Denholm et al (2000) reported a silver to gold ratio of 7:1 in vein style mineralization and 3:1 in breccias-pipe style mineralization. BYG reported an average ratio of 50:1 (Stroshein, 1998).

Low-grade Cu-Mo porphyry mineralization is typically found in both stockwork and disseminations. Copper mineralization is widespread over part of the claim block and beyond, covering, in total, a 3.5 km^2 area, with a typical grade of <0.1% Cu. Molybdenum mineralization is usually associated with localized silicification and breccias zones. Molybdenum values on property are generally low with an average grade of approximately <0.01% Mo. Lead, zinc silver and gold values are also associated with porphyry-mineralization, but have not been systematically explored for (Sawyer and Dickinson, 1975).

Supergene mineralization is common throughout the property. It does not occur in every deposit and prospect, but notably in the Brown-McDade, Flex and porphyry zones (Stroshein, 1998; Walls and Eaton, 1987). Substantial enrichment and alteration can occur to 150 metres depth, but seems to wane after 75 metres depth. In the vein zones such as the Brown-McDade, the ore mineralogy has not been studied in detail but supergene enrichment does not seem to affect gold or silver grades significantly. However, in the porphyry zone, supergene enrichment has locally doubled grades. The highest copper grades in the porphyry zone range from 0.5%-0.6% and are hosted in supergene mineralization (Walls and Eaton, 1987).

Alteration

Five hydrothermal alteration facies have been documented as a function of exploration and development in the Mt. Nansen area (Stroshein, 2007b):

Propylitic Alteration

- Widespread throughout the area and across the Charlotte property.
- Characterized by chlorite, calcite, epidote, albite and magnetite minerals.
- Most commonly associated with plutonic rocks adjacent to the Mount Nansen Porphyry system.

Phyllic Alteration

- Characterized by quartz, sericite, pyrite, kaolinite and the absence of mafic minerals.
- Pyrite content increases with decreasing silicification.
- Carries ore grade Au-Ag values surrounding core of veins or breccias.

Silicic Alteration

- Characterized by intense to extreme silicification.
- Silicified wall rock distinguished by very fine vugs, yellow weathering and drusy quartz lining cavities.

Argillic Alteration

- Characterize by the clay minerals kaolinite, montmorillonite and minor sericite.
- Sulphides are commonly leached out, leaving cavities in altered rock.
- Often occurs with white, ``bleached`` zones.
- Forms broad envelope around phyllic or silicic alteration zones.

Potassic Alteration

- Honey-brown to dark brown coloured alteration.
- Characterized by biotite and potassium feldspar with minor magnetite and epidote.

Structure

Faulting and shearing are the two main structural features of the property. Three sets have been encountered and are described as follows (Hart and Langdon, 1997):

Northwest Trending Faults

These are the primary mineralizing structures found on the property. They strike approximately 130°-150°, dip steeply southwest and are continuous on a scale of hundreds of metres. Although other displacement has been recorded by faults of this orientation, motion has been dominantly dextral.

North-northeast Trending Faults

These faults range from 005°-045°, dip steeply east-northeast and are locally considered dextral ``cross-faults`` to the primary northwest faults. They are characterized by their discontinuity and tend to terminate at intersections with primary structures. These intersections are structurally important as they host significant high-grade``blow-outs`` in mineralization. It is likely that these faults are conjugate and coeval to the northwest faults.

East-northeast Trending Structures

This set of structures is present as faults, fractures and joints on the property. They trend approximately 060°, are generally un-mineralized and offset mineralized structures. These structures are easily observed on airphotos, but more difficult to locate on the ground due to limited outcrop exposure.

Summary

The complicated structural setting has a dramatic effect on the morphology of the vein systems. Veins vary from planar and consolidated, such as the Huestis and Webber zones, to complex and

anastomosing, like the Flex zone. Vein systems are continuous up to 550 m in length and from 2 m to as much as 8m wide (Denholm et al., 2000).

Complex fault intersections in igneous host rock such as quartz-feldspar porphyry can produce steeply plunging breccias pipes. A number of these occurrences have been documented across the property and include those within the Mount Nansen Porphyry complex (Eaton and Archer, 1989).

Mineralized Zones

For an overview of the mineralized zones, refer to figure 10.

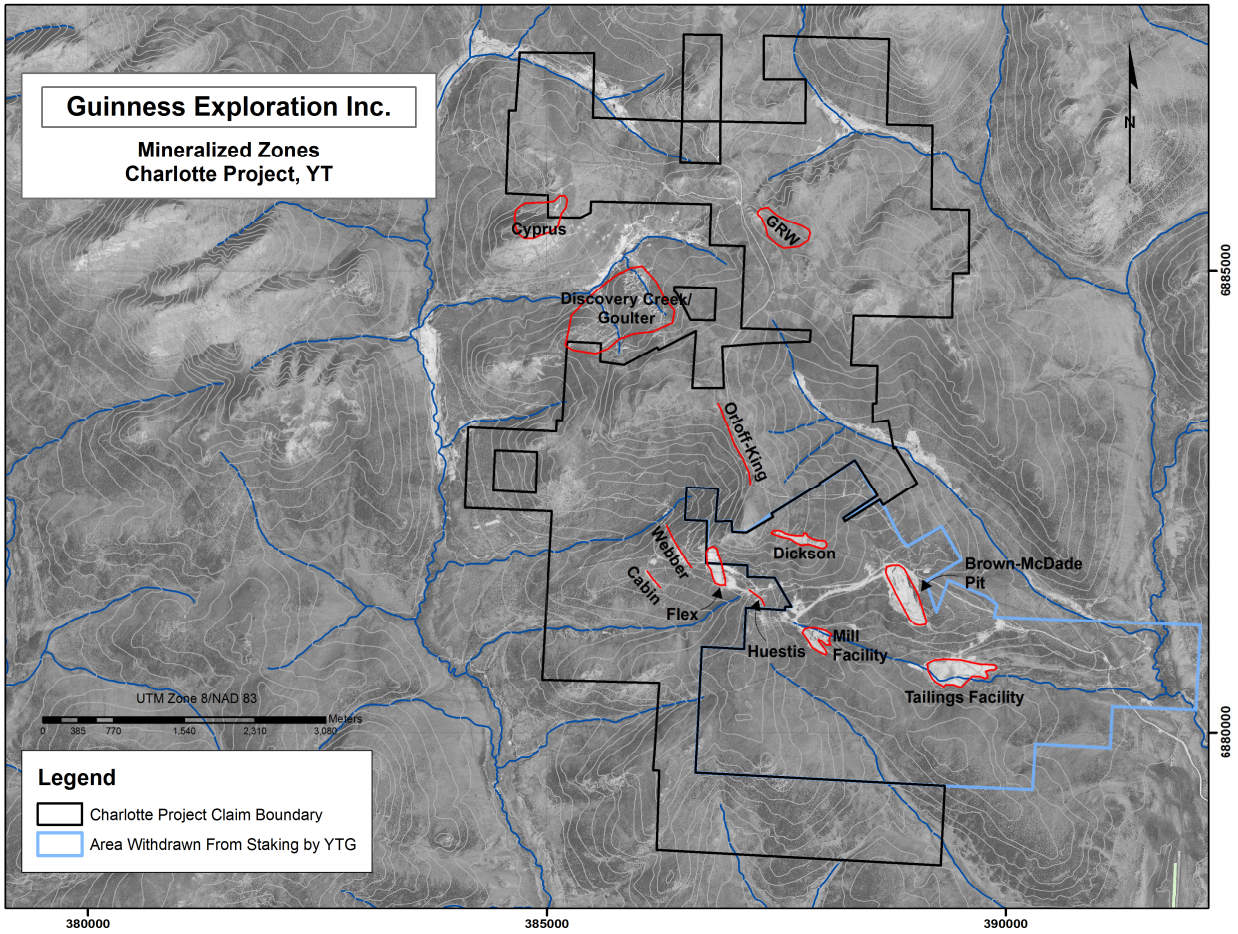


Figure 10.Mineralized zones of the Mount Nansen area.

Brown-McDade

The Brown-McDade zone is not located within the Charlotte claim block. It is withdrawn from staking and is part of the territorial government's mandate for remediation. It is mentioned here because of its related exploration history to the other zones and because the tenor and style of mineralization which supports prospectivity of the property.

The Brown-McDade deposit contains a stratigraphically higher, open pittable oxide zone and a lower sulphide zone, which is serviced by a series of drifts. In the sulphide zone, two styles of mineralization are noted. The more prevalent is anastomosing veins and veinlets of quartz with lesser carbonate which contains varying amounts of sulphide. The less volumetrically important sulphide rich siliceous breccias also occur. Anastomising veins occur in fracture zones which cut coarse-grained granodiorite and are spatially associated with a series of quartz porphyry dykes injected along a dominant structure known as the "Footwall Fault". This fault strikes approximately 160° and dips 50°-60° to the southwest. Sulphide breccias mineralization occurs at the north end of the Brown-McDade zone and is located at the locus of intense faulting (Denholm et al., 2000; Melling, 1995).

Webber

The Webber zone consists of a quartz vein system which strikes northwest and dips steeply southwest. Host rocks include the metamorphic assemblage and an extensive northeast striking porphyry body. The system is dominantly comprised of two veins known as the No. 1 and No. 2 veins. These veins are located approximately along the footwall and hanging wall of the fault, respectively, and vary in width from 0.3 m to 2.0 metres. The Webber zone has been explored over 500 metres through a combination of surface stripping, trenching and underground development. The No. 1 and No. 2 veins have been developed over distances of at least 200 m and 250 m, respectively (Denholm et al., 2000; Campbell, 1994).

Mineralization occurs in shoots or rods which are typically 25 m in horizontal strike length and 100 m along plunge. Transitions between mineralized and unmineralized sections of vein tend to be very sharp and shoots tend to correlate well with surface mineralization. A total of seventeen ore shoots between the two veins have been defined by underground sampling. An average ore shoot is approximately 25 metres long, 1.0 metres wide and returns grades of approximately 14.06 g/t Au and 917 g/t silver. For a complete list of ore shoots and grades, refer to table 3 and figure 11. Gold mineralization tends to be strongly associated with arsenopyrite and lesser stibnite (Stroshein, 2007b).

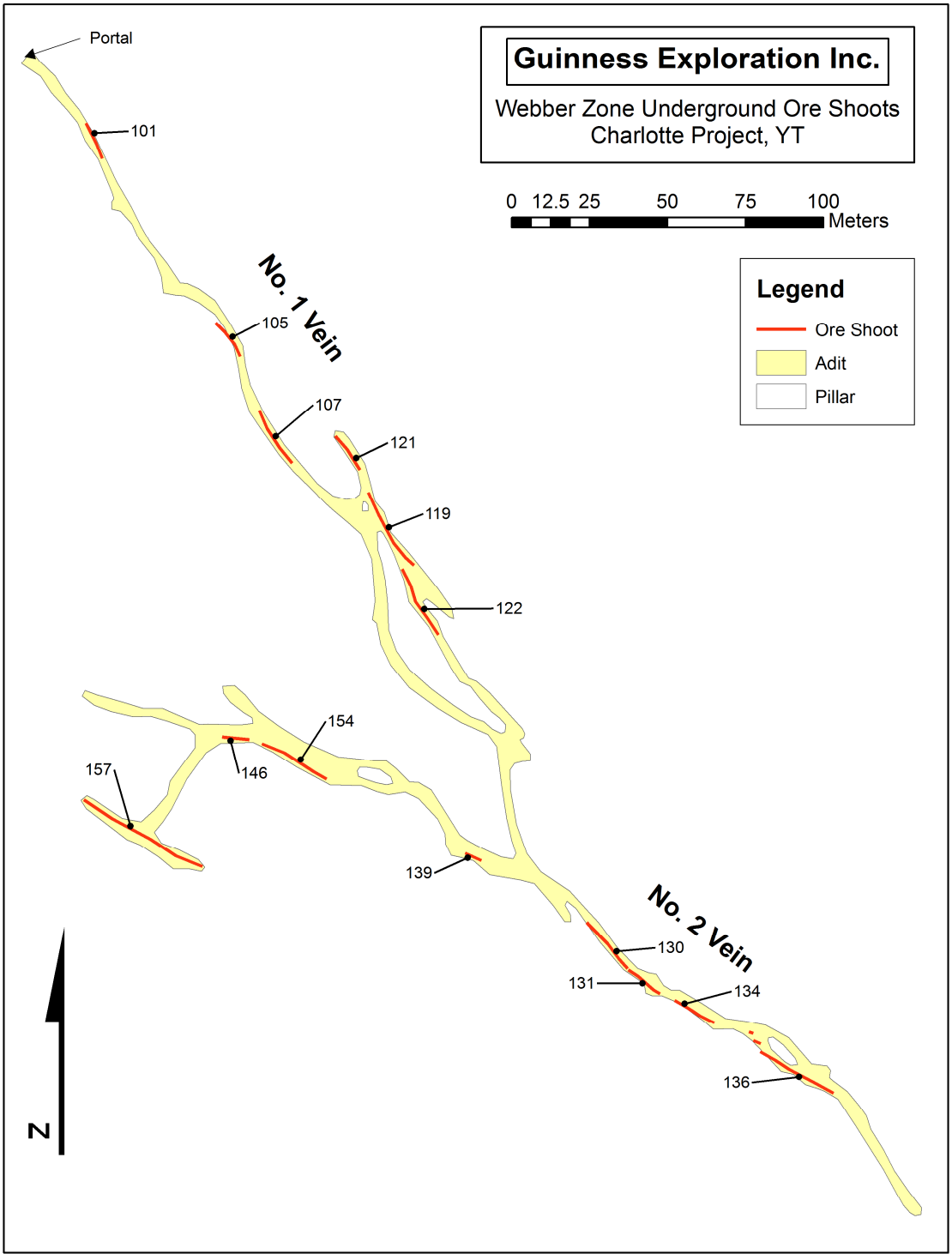


Figure 11. Webber underground workings. After Denholm et al., 2000.

Diamond drilling has tested continuity above and below the adit, as well as along strike. This work indicates that the Webber zone is truncated to the northwest by the Webber Creek Fault. However, this zone remains open both to the southeast and many of the main ore shoots remain open at depth (Stroshein, 2007b).

Table 3.Summary of Webber ore shoots. After Stroshein, 2007b.

Deposit	Vein No.	Ore Shoot	Length (m)	Width (m)	Au (g/t)	Ag (g/t)	Au (oz/ton)	Ag (oz/ton)	Tonnes/Vertical Metre
Webber	1	101	13.7	0.9	8.57	253.7	10.4	306.9	38
	1	105	30.5	1.2	13.03	332.6	46.7	1192	111
	1	107	30.5	1.8	10.97	462.9	59	2488.5	167
	1	119	32	0.9	8.91	476.6	25.2	1345.2	88
	1	120	21.3	0.6	5.83	384	7.3	481.7	39
	1	120/121	15.2	1.5	8.91	1080	20	2419.4	70
	1	122	24.4	0.6	10.63	325.7	15.2	467	45
	1	129	33.5	0.9	10.63	925.7	31.4	2737.3	92
	2	130	30.5	0.9	6.86	1920	18.4	5161.3	84
	2	131	13.7	0.6	12.3	761.14	10	613.8	25
	2	134	15.2	0.6	8.23	452.6	7.4	405.5	28
	2	136	36.6	1.5	22.97	1491.4	123.5	8018.4	167
	2	139	6.1	0.9	11.66	984	6.3	529	17
	2	146	12.8	1	15.09	270.9	19.3	346.6	40
	2	153	27.4	1.1	8.57	822.9	24.2	2322.6	88
	2	154	22.9	0.9	15.09	1258.3	30.4	2536.9	63
	2	157	47.2	0.9	17.83	754.3	74.3	3142.9	130

Huestis

The Huestis zone consists of a north-northwest striking quartz vein system striking south-southeast and dipping steeply east-southeast. Three main veins comprise the zone and are known as the No. 11 (Hangingwall), No. 12 (Intermediate) and No. 13 (Footwall) veins. They are hosted in metamorphic gneiss of the Nasina Assemblage and vary in with from 0.3 m to 2.0 m and average approximately 1.0 m wide. The system has been developed on two levels, the 4100 and 4300, and has been defined with extensive chip sampling (Denholm et al., 2000).

A total of sixteen ore shoots have been identified by chip sampling and has demonstrated that ore shoots vary from approximately 10 m to 50 m of exposed strike length in the underground workings. Shoots average 27 m in exposed length, 1.0 m wide with mean grades of 19.4 g/t Au and 442 g/t Ag. For a complete list of ore shoots and grades, refer to figure 12 and table 4. With the exception of higher stibnite concentrations in ore shoots, mineralization of the Huestis zone closely mirrors that of the Webber (Stroshein 2007b).

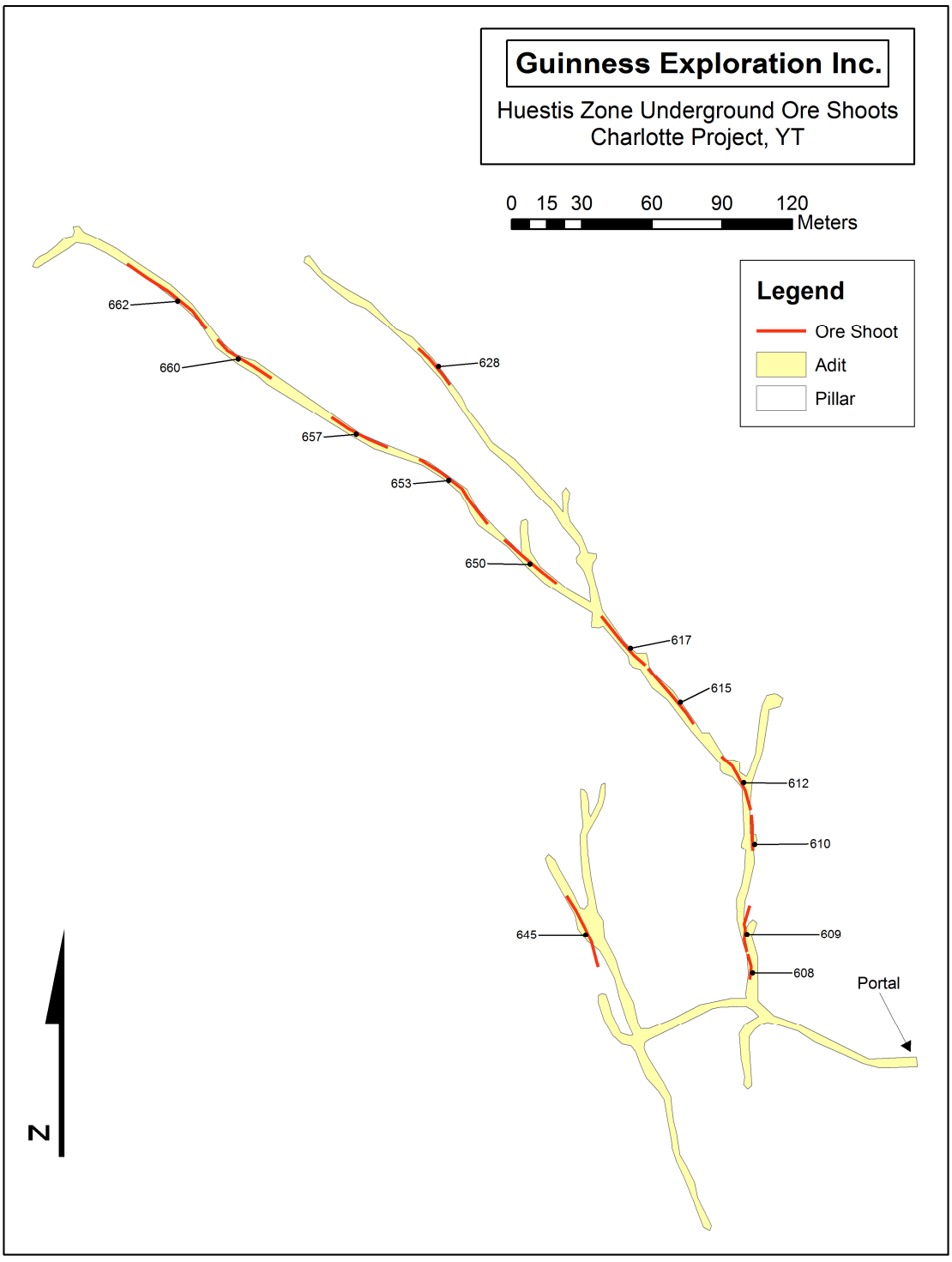


Figure 12. Webber underground workings. After Denholm et al., 2000.

Table 4.Summary of Huestis ore shoots. After Middelton, 2009.

Deposit	Vein No.	Ore Shoot	Length (m)	Width (m)	Au (g/t)	Ag (g/t)	Au (oz/ton)	Ag (oz/ton)	Tonnes/Vertical Metre
Huestis/1311	11	628	22.9	0.8	16.8	82.3	28.3	138.3	52
	12	609	10.7	0.9	23.32	332.6	21.9	312.9	29
	12	609	18.3	1.2	16.46	226.3	35.4	486.6	67
	12	610	17.8	0.9	14.74	308.6	21.8	456.2	46
	12	612	24.4	0.9	21.26	480	54.7	1032.3	67
	12	615	33.5	1.5	22.63	802.3	111.5	3953.9	153
	12	617	30.5	0.9	21.6	377.1	58.1	1013.8	84
	12	650	30.5	0.9	16.11	401.1	43.3	1078.3	84
	12	653	42.7	1	17.14	205.7	68.8	825.8	125
	12	657	30.5	0.9	13.71	274.3	36.9	737.3	84
	12	660	32	0.9	20.57	154.3	58.1	435.5	88
	12	662	47.2	1	19.89	596.6	91.1	2734.3	143
	13	645	27.4	1.5	14.74	545.1	59.5	2198.2	125
	13	H-15	18.3	0.9	9.94	366.9	16	591.7	50
	15	H-12	18.3	0.9	24	174.9	38.7	282	50
	17	H-12s	18.3	0.9	10.29	264	16.6	425.8	50

Flex

The Flex zone lies between the Webber and Huestis zones. It has been defined by stripping, surface trenching and diamond drilling (Figures 7 and 10). It is comprised of a complex series of anastomosing narrow quartz veins that in fill fractures in the Paleozoic metamorphic rocks, generally along the strike of the Flex zone (Denholm et al, 2000), which is presumed to be an encompassing fault structure. The veins, including the main vein, the footwall vein, the east vein and the hangingwall vein, are sub-parallel and dip steeply to the west (Anderson and Stroshein, 1998). The veins are offset by unmineralized east to northeast trending faults (Figure 9). The Flex zone has been delineated over 550 m and is open at depth (Denholm et al, 2000; Melling, 1995).

The top 15-40 m of the Flex zone has undergone significant supergene alteration and thus sulphide minerals within the veins are mostly altered to limonite or other oxides (Denholm et al, 2000; Melling, 1995). Structural control on the individual veins is complex which makes for difficult correlation between surface showing and drill holes (Denholm et al, 2000). Further compounding the problem, stripping of the main zone has made re-establishment of holes locations that were drilled prior to 1998 difficult.

The veins range from 5 to 110 centimetres thick. Silicification of the wall rock extends ore grade widths up to seven metres (Stroshein, 2007b). Refer to figure 13 for the surface trace of veins in the Flex Zone.

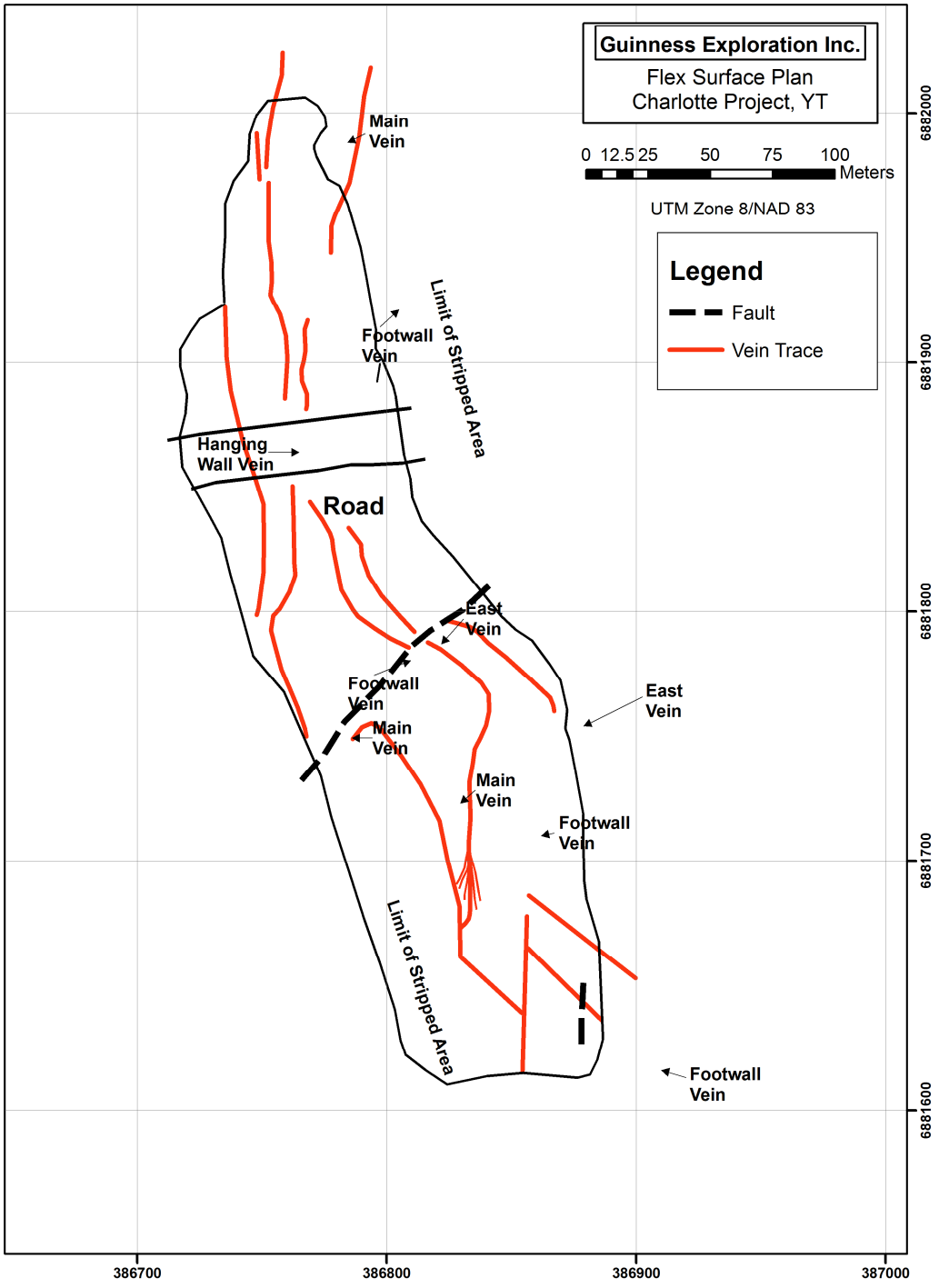


Figure 13.Flex surface plan. After Stroshein, 2007b.

Orloff-King

Prior to 2010, most of the work in the Orloff-King zone had focused on low grade oxide mineralization exposed in trenches and intersected in shallow drill holes. 2010 trenching focused on un-finished trenches to the northwest of known mineralization. Discontinuous mineralization has been established with extensive trenching over nearly 1 km. This zone lies open to the north and the new northwest extension, with peak grades of 7.05 g/t Au and 34.7 g/t Ag over 0.7 m remain untested by diamond drilling.

Other Zones

Other mineralized zones of the Charlotte Project include the Cabin, GRW, Dickson and Cyprus. The Cabin, GRW and Dickson are all vein targets that have seen significantly less development than the major zones. These targets have been explored with soil geochemistry and follow-up trenching. None have been diamond drilled to date. The Cyprus showing is a porphyry-related showing that partly overlaps on the north end of the property. It has been trenched and drilled, but little reliable record of work can be found.

2010 Exploration Program Overview

Guinness Exploration Inc. optioned the property in 2009 from Sask Co and commenced field work in the summer of 2010 to fulfill the commitments of the underlying agreement. Work completed by Guinness included excavator trenching, mapping and sampling, diamond drilling, a differential GPS survey of existing drill hole collars, a handheld GPS survey of existing trenches, an extensive GIS compilation of historical data, and preparation of an orthophoto for base map control. The results of the diamond drilling and trenching are summarized below in subsequent section. Appendix 1, table 26 summarizes both the type of work performed and the amount of money spent on each claim block.

The 2010 exploration program carried out on the Charlotte project was designed to achieve two key objectives. The first of which was to conduct a handheld GPS survey of existing trenches in order to compile an accurate database for planning the second phase on the program. Reconosaince mapping of these trenches was also performed. Phase two consisted of both diamond drilling and excavator trenching. The purpose of twining historic diamond drill holes in the flex zone was to confirm historic mineralization in order to bring the deposit up to NI 43-101 compliance. The trenching objective was to test soil anomalies in order to further define and expand mineralized zones on the Charlotte Property. Both of these objectives are summarised below in subsequent section. Figure 14 below outlines all the claim blocks which received work during the 2010 field season.

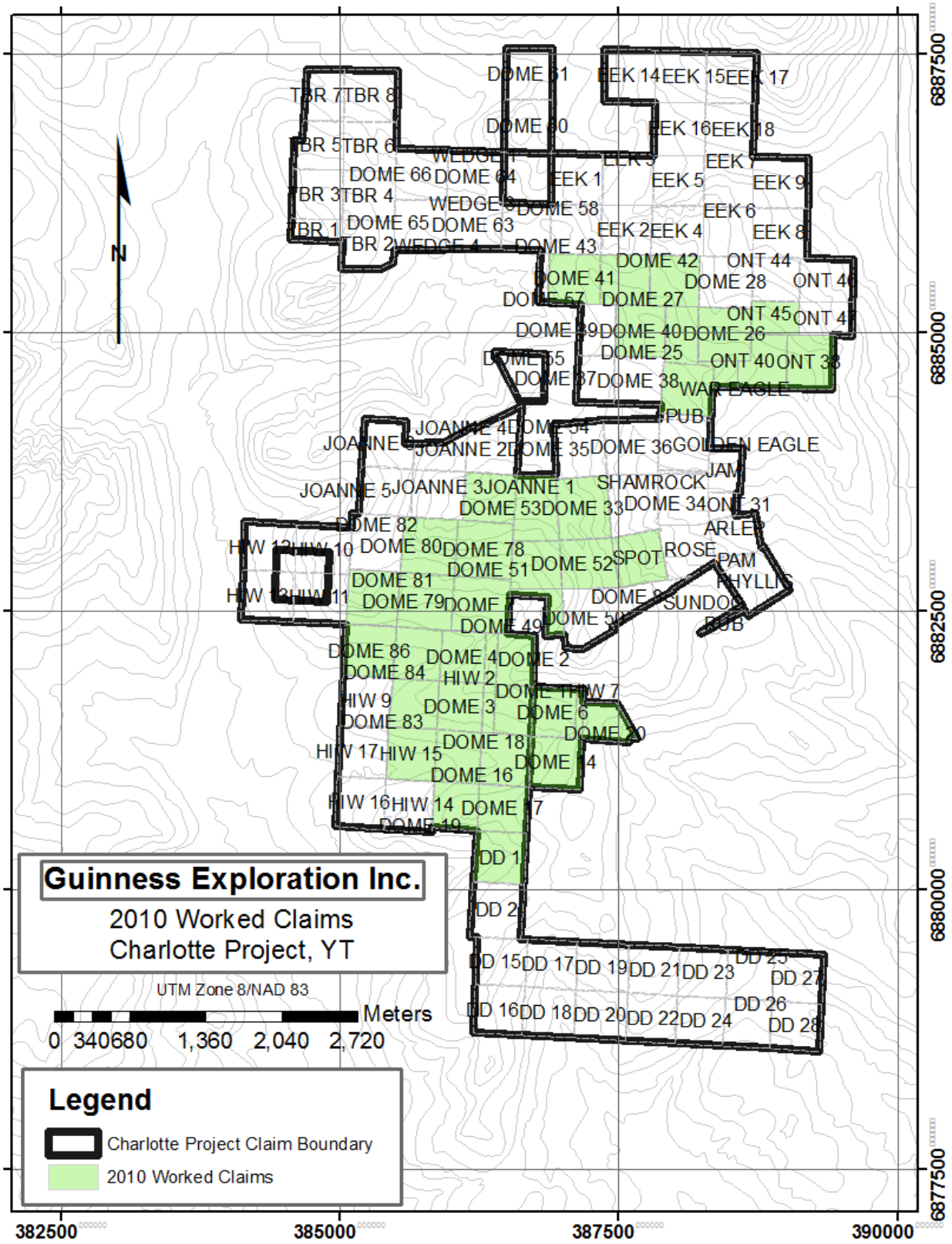


Figure 14. 2010 Worked Claims

Personnel, Contractors and Program Chronology

The Charlotte project was supervised by John Hiner and consisted of project Geologist Hansie Mundenk, 2 junior Geologists, 2-3 Geo-technicians, and a cook. As the season progressed numerous personnel adjustments were made in order to facilitate the changes in the project. Appendix 1, Table 19 (statement of costs) lists the names and positions of individuals present at any given period of the projects duration.

Prior to the project commencement, bids were obtained for the heavy equipment work. 15317 Yukon Inc., a Yukon based company, and Manitoba based Top Rank Drilling received the trenching and drilling contracts respectively. Vancouver based Acme labs performed all the geochemical analysis and assays.

The following is a chronological summary of the work performed and important events

Early April	Preliminary site visit to Charlotte Property.
May 22-26	Initial crew mobilization from Vancouver to the Charlotte Project.
May 26-June 8	Initial crew mobilized to property and began establishing camp.
June 1	Remainder of geologists arrive on the property.
June 2-June 22	Field work carried out targeted at locating historic trenches and drill holes.
June 5	Drill arrives at camp.

June 21 Aurora technician visits property and surveyed historic drill holes using a differential GPS.
June 23-July 19 Work temporarily stopped due to permit application and approval process. Majority of crew removed from project.

July 18	Excavator arrives on site
July 19-Aug 27	Trenching, Reclamation and drilling commences and performed throughout this period
July 20	Remaining geologists and field crew return to site.
July 21	Inspector for Yukon Ministry of mines tours property
August 4-7	John Hiner of Guinness exploration toured the property.
August 5	Mining lands personnel visited the property.
August 6	Abandoned mines and Water Resources personnel toured the property
August 28	Diamond drilling completed.
August 28	Diamond drill left property.
August 28-31	Camp dismantled and winterized.
August 31	Trenching and reclamation completed.
September 1-3	Camp gear and crew demobilized.
September 3	Crew arrives back in Vancouver.

2010 Program Protocol Summary

A total of 1452 m of BTW core was drilled in 14 holes exclusively on the Flex Zone utilizing a Super JKS-300 diamond drill. Holes were modelled to test the down-dip extension of the zone, as twin holes of historical drill holes, and as infill between existing holes. A summary of each hole is provided in a subsequent section below. For locations and a summary of all historical diamond drill holes, see figure 6 and table 3.

Diamond Drilling Exploration Procedures

The procedures and activities implemented during the 2010 exploration field season are outlined below.

Drill Hole Numbering and Collar Locations

All of the drill holes were numbered in accordance with the historical naming scheme with "DDH" (Diamond Drill Hole) dash "10" (the year) dash "240" (the next hole number in sequence). The numbering of holes continued in sequence from when drilling was previously conducted in 1998.

Upon completion of a drill hole, the casing was removed from the ground. A 2x4 picket was then inserted into the ground to mark the collar location. A metal tag was then engraved and attached to the picket which denoted the hole number, azimuth, dip, and length of hole.

Collars Orientation and Down hole Surveys

The 2010 diamond drilling program utilized drill pads which were constructed into the hill side using a Hitachi ZX 200 excavator and were generally 4-5m in diameter. Fore and Back sight pickets (oriented with a silva or brunton compass) were used to orient the mast of the drill at the desired azimuth upon being established on the pad. The desired dip was confirmed with the use of an inclinometer by placing it on the head of the drill.

Down hole surveys were taken at an average of every 30 metres using a Ranger single shot down hole survey tool. Unfortunately, the occasional hole is lacking survey data as a result of the survey tool failing to provide measurements.

Core Handling

The drill core was boxed at the drill site and after an appropriate number of boxes had accumulated it was driven down to camp for logging. Upon receipt, a geotechnician measured the beginning and ending depth for each core box, marked these on the upper left and lower right of the box respectively, labelled all core boxes with aluminum tags, made RQD measurements on the core and stapled the aluminum tags associated with samples to the bottom of the box.

The geologist logged his observations into the logging template present on a computer laptop. Any samples taken in a given hole were marked out by the geologist using, with few exceptions, a maximum of 1.5m sample length. The entire hole was then photographed by a geotechnician prior to sampling.

Sample intervals were cut in half by a geotechnician using a diamond rock saw, such that half the core was left in the box as a record. The sampled split was placed in polypropylene bags and the mouth of each end was secured with a zap strap.

The samples were then placed into polypropylene woven rice sacks and kept in secure storage to await transportation to the analytical preparation laboratory in Whitehorse. The core was stored on-site in a previously stripped Dome 3 claim block. Refer to figure 17 below for map showing the location of the core storage.

Sample Security

All samples were stored in a secure tent on site in camp to await transportation. The samples were then delivered in person to Acme lab's Whitehorse sample preparation facility by one of the geologists in camp.

QA QC Methodology

There was a strict QA QC policy in place for the 2010 exploration program. Dolomite blanks and five individual standards were used. The blanks, standards or duplicates samples were then inserted in random sequence into the numbered sequence of sampled core at intervals of one every 10 samples. In addition, the geologist had discretion to insert blanks in mineralized areas to detect any cross contamination during analysis. Acme labs also prepared their own QA QC methods by systematically inserting standards, blanks and replicates into sample batches. In order to test the efficiency of the QA QC protocols to track the laboratory's accuracy a statistical analysis of the reported results are currently in progress.

Analytical Procedures

All drill core and trenching samples were analyzed by Acme Laboratories in Vancouver. Drill core samples were crushed in their entirety, using a crusher made of tool steel to a -10 mesh sieve. A 250g aliquot of this coarse material (roughly 10% of the total sample) was then further crushed to 85% passing a -200 mesh sieve.

Assays for the key metals of interest, Gold (Au), Silver (Ag), Copper (Cu), and molybdenum (Mo) were obtained using Fire assay and ICP-ES (group IE) techniques. The combination of these two techniques allowed for a suit of 37 elements to be analyzed.

Assay via the ICP-ES involves a minimum of a 1 gram aliquot to be digested in four strong acids prior to being heated in HNO_3-$HClO_4$-HF. This sample is then analysed for a suite of 37 elements using inductively coupled plasma emission spectroscopy (ICP-ES). The low detection limit for Au and Ag is 4ppm and 0.5ppm respectively. Both have an upper detection limit of 200ppm.

Samples also underwent fire assay fusion by ICP-ES. This method involves the digestion of the Ag dore bead and total sample decomposition prior to undergoing ICP-ES analysis. Due to the higher detection limit of this technique, fire assay was used on samples with gold values greater than 100ppb.

Drill Hole Summary

A special note on the drilling conditions; the drilling conditions on the Charlotte property are less than ideal and posed some problems during the 2010 drilling program. The primary factor for such poor conditions was bad ground associated with a deep weather profile encountered throughout the holes. Brittle faulting furthered the poor drilling conditions. Consequently, the rate of drilling was slow, with the occasional hole having to be abandoned owing to jammed drill rods.

Provided below is a summary of each drill hole that targeted the flex deposit. The particulars of each drill hole can be found in Table 5. A detailed description of each drill hole can be found in the drill logs in appendix II. A location map of all the 2010 diamond drill holes is given below in figure 15.

Table 5. Summary of the Flex Zone Drill holes

Hole ID	UTM N	UTM E	ELEV (m)	Azimuth(°)	Dip(°)	Length (m)
DDH-10-240	386673.04	6881951.64	1355.1	78	-50	102.7
DDH-10-241	386680.61	6881902	1347.4	78	-50	110.4
DDH-10-242	386782.15	6881771.3	1307.3	45	-50	72.54
DDH-10-243	386803.08	6881662.63	1290.9	45	-50	57.2
DDH-10-244	386822.9	6881647.6	1285.9	45	-50	71.02
DDH-10-245	386836.96	6881629.8	1287.1	45	-60	83.2
DDH-10-246	386883.72	6881539.1	1277.5	78	-50	77.11
DDH-10-247	386850.59	6881550.66	1276.7	78	-50	36.5
DDH-10-248	386673.04	6881951.64	1355.1	78	-65	130.75
DDH-10-249	386672.74	6881925.23	1347.9	78	-50	110.7
DDH-10-250	386672.74	6881925.23	1347.9	76	-65	122.53
DDH-10-251	386661	6881976	1364	78	-65	133.5
DDH-10-252	386649	6882020	1385	78	-65	121.92
DDH-10-253	386625	6881933	1345	78	-65	212.75

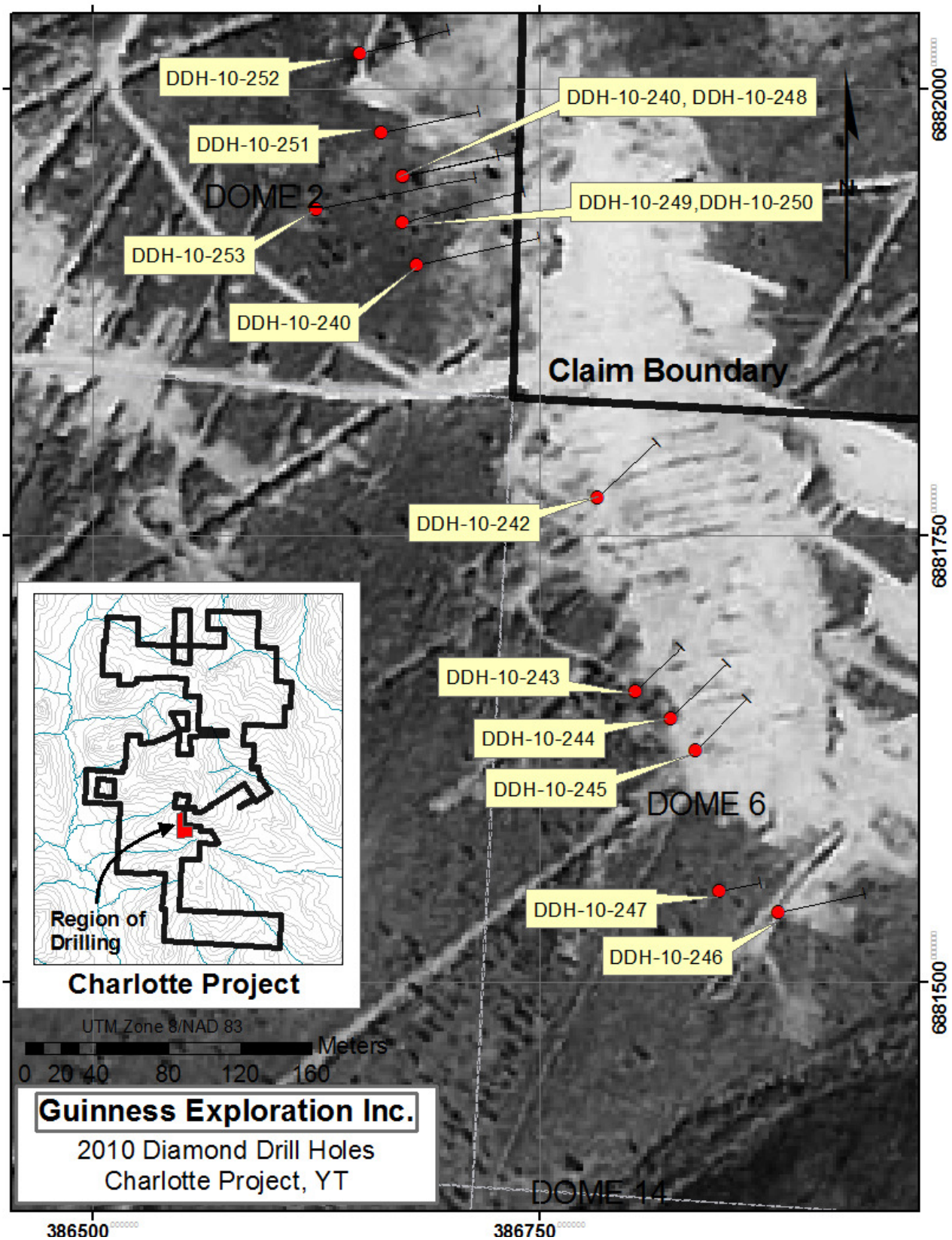


Figure 15. Location map of all 2010 diamond drill holes

DDH-10-240

The first drill hole of the 2010 drilling program was DDH-10-240. The objective of this hole was to twin the historic hole DDH-98-193 in order to confirm the mineralization at depth. No down hole survey data is available for this hole as a result of tool malfunction, however, the zone was intersected and the target was achieved.

The hole Collared into very fine grained, moderately foliated amphibolite with occasional cross-cutting quartz stingers (barren). The hole transitioned into unfoliated, pale green Quartz-Feldspar-Porphyry before transitioning back into Amphibolite. A large zone of strongly silicified Quartz-Feldspar-Gneiss, light to greenish grey in colour was then encountered from 27.55-43.20m which contains leucosome wisps parallel to foliation along with <1% finely disseminated pyrite along with patches of weak to moderate kaolanite alteration. The first mineralized vein was intercepted from 78.80-79.30m and contained Smokey quartz with moderate clay and kaolanite alteration along with 5% blebbed pyrite. Following this vein the hole transitioned into coarse grained quartz-feldspar porphyry. This porphyry unit became altered at 89.90-90.85m and exhibited quartz and scorodite within the matrix. Locally this unit contained quartz-sulphide breccias along with up to 8% pyrite, arsenopyrite, and garnet at 90.53m. Two final vein zones occurred again within the quartz-feldspar-porphyry unit, from 94.75-94.85m and 97.15-97.40m and were comprised of Smokey quartz with up to 0.5% pyrite. The bottom most vein contained scorodite along with a bladed hydrothermal texture along the hanging wall. The hole finished in red-green quartz-feldspar porphyry.

DDH-10-241

The objective of hole DDH-10-241 was to twin historic hole DDH-98-194 in order to confirm previously intersected mineralization at depth. No survey data could be collected due to the Ranger survey tool malfunctioning, however, the target zone was achieved and the hole was successfully duplicated.

The drill hole collared into Quartz-feldspar-Gneiss with moderate yet pervasive kaolanite alteration and rapidly grades into localized quartzite. This hole then transitions into amphibolite from 23.75-29.80m. Following this unit, a large unit of Quartz-feldspar-chlorite Gneiss is encountered from 29.80-64.10m. This unit contains weak limonite alteration along with moderate chlorite along foliation. Quartz-pyrite-arsenopyrite stringers cross-cut this unit at low angles throughout along with a 30cm wide quartz vein containing pyrite and aresenopyrite from 58.25-58.55m. A minor unit of altered Gneiss occurs from 64.10-64.75 prior to a massive sulphide vein from 64.75-64.95. This 20cm wide vein contains coarse grained sphalerite, and medium grained pyrite, with an abundance of 30% each. Medium grained garnet blebs along with fine grained aresenopyrite are also present. The hole then encounters more Altered gneiss from 74.10-80.45m.. 3% sulphides along with smokey quartz occur along foliation. A quartz vein containing up to 0.5% pyrite along with bands of smokey quartz occurs from 81.60-82.50m and contains up to 20% sulphides along with up to 2% garnet. Following this vein, a granodiorite Dyke was encountered from 88.15-95.10m which contained a hypidiomorphic granular texture and up to 1% disseminated pyrite and quartz-feldspar-quartz crystals. Below this dyke lies a silicified quartz-feldspar-

porphyry. This unit then transitioned into a strongly bleached amphibolite unit from 99.10-102.90m. The end of the hole (108.15m-118.25m) was marked by a brecciated sulphide zone. This unit also contained 10% sulphides (mainly pyrite), 1-2% chalcopyrite, along with sphalerite and galena blebs. Malachite staining was also noted within the vicinity of the chalcopyrite.

DDH-10-242

DDH-10-243 was designed to test the southern extension of the flex zone and confirm mineralization previously intersected by hole DDH-86-30. Deviation was not an issue and the hole was successfully copied.

The hole collared into clay altered amphibolites before transitioning into altered Gneiss from 14.65-15.85m. Following this unit a vein zone occurred which contained minor smokey quartz along with blebs of mafic fine grained sulphides, primarily pyrite up to 10%, and up to 2% garnet. Below this vein a weathered amphibolite unit was intersected from 21.5m-27.5m. This unit contained strong kaolanite alteration along with weak limonite and occasional quartz-pyrite stringers at varying orientations. Following this, an altered Gneiss was encountered(27.5-31.25m) which contained up to 10% pyrite in stringers. An altered Amphibolite was then intersected from 31.25m-35m which was similar in nature to the once described above. Two mineralized veins were intersected from 36.00-36.70m and 36.70-37.15m. The first vein was extensively broken clay altered quartz containing dark fine grained sulphides. The second vein was also broken and contained mafic sulphides and pyrite. Both contained scorodite alteration and pyrite. An extensive zone of clay alteration was found to underlie this zone from 36.70-37.15m. Following this alteration zone an amphibolite, light green with intense clay alteration with moderate leucosome and local folding was encountered from 37.15m-39.45m. Below this unit was a Quartz-feldspar-chlorite Gneiss (39.45-62.85m) which was light grey with strongly developed/localized leucosome development along with isolated folding. Strong patchy kaolanite alteration and <0.1% disseminated pyrite was also observed. The hole finished in an Amphibolite with local intense clay alteration and moderate foliation and leucosome development. Localized folding was also noted within the amphibolite.

DDH-10-243

Drill hole DDH-10-243 was designed to test the mineralization intersected in hole DDH-94-139. Deviation was not an issue and the hole target was successfully achieved.

The hole collared into dark green Amphibolite. This unit then transitioned into a massive fault zone containing multiple different units within until 50.60m. From 28.35-30.90m a gouged quartz vein which contained masses of fine grained sulphides grading to pervasive limonite alteration occurred. . A scorodite altered vein containing local masses of mafic fine grained sulphides was intercepted from 32.80-33.5m and exhibited strong to extreme montmorillonte alteration. A second gouged vein occurred from 34.65-42.05m and contained quartz with moderate scorodite and hematite alteration

along fractures with 5-10% fine grained mafic sulphides. This grades into strong/patchy kaolanite and montmorillonite altered gouge with 10-20% coarse cubic pyrite from 45.05-48.35m. Following this, a Phyllic altered gouged amphibolite unit was intersected from 48.35-50.60m. The hole finished in competent moderately foliated amphibolite (50.60-57.20m) with minor leucosome development and occasional quartz-pyrite stringers and veinlets.

DDH-10-244

Drill hole DDH-10-244 was designed to confirm mineralization intersected in drill hole DDH-95-164. Deviation was not an issue and the hole was successfully copied.

The hole collared into strongly silicified/intensely broken amphibolite with moderate bleaching and overprinting before intersecting a clay altered fault zone from 8.00-25.55m. This zone contained a quartz vein from 14.55-15.75m with fine grained masses of mafic sulphides along with 5% arsenopyrite. A similar vein was again intersected from 19.20-20.75m which also contained massed of fine grained mafic sulphides along with limonite alteration along fractures. Following this fault zone, the core transitioned into strongly foliated amphibolite(25.55-49.50) with moderate leucosome development parallel to foliation. This unit was cross-cut by faults at 30.00-31.50m, 38.50-42.05m, 43.60-46.65m, and 48.10-49.50m which contained limonite altered gouge. Following this, a Gneissic unit was encountered with varying degrees of alteration. From 49.50-52.15m a limonite altered Gneiss occurred with relict foliation with moderate leucosome development. At 53.30-64.90m Quartz-feldspar-muscovite Gneiss was cored with moderate hematite and limonite alteration, strong leucosome development along with localized kaolanite alteration. The hole finished in altered Gneiss from 66.85-71.02m.

DDH-10-245

Drill hole DDH-10-245 was designed to confirm the geology and mineralization intersected in the historical drill hole DDH-94-141. The survey tool malfunctioned on this hole, and no survey data was obtained, however, the hole was successfully copied.

The hole collared into heavily altered and overprinted amphibolite (4.57-45.65m). Occasional intervals of gouge with crushed quartz were noted. The hole then transitioned into quartz-feldspar-Gneiss with strong leucosome development and quartz stringers occurring parallel to foliation at 65TCA. This unit also exhibited localized silicification, strong montmorillonite alteration,and up to 1% pyrite and localized massed of fine grained mafic sulphides. Within the Gneiss a mineralized, sub-horizontal smokey quartz vein was intercepted from 61.85-62.35 unit. This vein contained pyrite blebs (up to 10% in concentration) along with dark mafic sulphides and scorodite alteration. Following this vein, the hole finished in a Quartz-feldspar-muscovite Gneiss (68.25-83.20m) with strong leucosome development and patchy limonite alteration.

DDH-10-246

Drill hole DDH-10-246 was designed to test the southern extension of the flex zone and duplicate mineralization previously intersected in historic drill hole DDH-98-239. Unfortunately, poor ground conditions were encountered resulting in the hole being abandoned prior to reaching the target.

The hole collared into Quartz-feldspar-Gneiss (2.35-14.25m) which contained strong silicification, moderate limonite alteration and localized zones of quartzite. The hole then transitioned into extensively clay altered amphibolite (14.25-18.60m) with strong to intense clay alteration. Following this unit, a clay altered Gneiss was encountered from 20.85-23.85m. Down hole, this unit transitioned to a Gneiss from 20.05-38.80m with alteration assemblages changing from clay to quartz-feldspar from 20.85-23.85, and 26.30-38.50m respectively. This altered Gneiss contained localized zones of strong silicification and bleaching along with 1% fine grained mafic sulphides. Below this was a zone of highly fractured/cobbled smokey quartz fragments (71.00-77.00m) with up to 3% fine grained mafic sulphides and 1% disseminated pyrite. These fragments tended to be coated with honey brown clay. Unfortunately, the rods became stuck and the hole had to be abandoned prior to reaching the target.

DDH-10-247

Drill hole DDH-10-247 was targeted at testing the southern region of the Flex zone. Unfortunately, the rods became stuck in the poor ground conditions, causing the hole to be abandoned prior to reaching the targeted depth.

The hole collared into a moderately foliated quartz-feldspar-Gneiss which locally graded into quartzite. This unit contained weak kaolanite and localized (moderate) sericite alteration along low angle quartz-limonite stringers. This Gneiss then graded to amphibolite locally from 11.40-11.70m with weak limonite alteration along with moderate foliation before grading back into unaltered quartz-feldspar-Gneiss(11.70-22.20m). Intense clay and Limonite alteration along with manganese coats parallel to cleavage began to occur from 23.50-28.00m and increased in intensity downhole prior to intersecting amphibolite. Similar to the previous unit, the amphibolite also contained strong limonite and intense clay alteration.

DDH-10-248

Drill hole DDH-10-248 was drilled from the same location as DDH-10-240. The hole was recollared with a steeper dip in order to test the down-plunge extension of the zone. Albeit, no survey data was obtained as a result of tool malfunction, the zone was intercepted and the target was successfully achieved.

Alternating zones of quartz-feldspar-Gneiss and amphibolite were the dominant lithologies present from 0-83.30m. Up to 1% pyrite occurred from 51.55-53.50m. All gneiss units were strong to intensely bleached with weak to moderate kaolanite and weak limonite alteration. Minor montmorillonite alteration was also noted. Quartz and occasional leucosome stringers crosscut the gneiss sporadically, generally at low angles TCA. The first vein zone occurred within the altered Gneiss from 84.00-87.45m and was predominantly comprised of smokey quartz with up to 10% very fine grained disseminated

pyrite. A brecciated, scorodite bearing, smokey quartz vein with up to 5% pyrite and 5% sphalerite occurred from 85.85-86.70. Following this, a massive sulphide bearing vein was intercepted from 85.85m-86.70m which contained up to 20% aresenopyrite (blebs), 5% galena, and 50% pyrite(massive/matrix). A second brecciated, pyrite bearing smokey quartz vein occurred from 87.20-87.45m with up to 10% blebbed pyrite and hematite filled vugs. Following this vein zone, the core transitioned into quartz-feldspar-porphyry (87.45-90.80m) which had been extensively altered due to fluid flushing. 1% finely disseminated pyrite was noted throughout, along with abundant cross-cutting smokey quartz stringers. The most prominent cross-cutting veins occurred from 87.80-87.90m and 91.80-91.90m. The first vein contained up to 5% pyrite, and 3% arsenopyrite with vuggy quartz and strong kaolanite alteration. The second quartz vein contained massive pyrite (20%). Following this zone, the remainder of the hole was characterized by alternating quartz-feldspar-porphyry and amphibolite. Both units contained extensive zones of fault gouge and fault affected core. Within this gouge, a black sulphide vein occurred with 60% pyrite and 20% galena from 112.65-114.25m. The hole finished in silicified quartz-feldspar porphyry from 127.75-130.75m.

DDH-10-249

Drill hole DDH-10-249 was designed to confirm mineralization previously intersected in historic drill hole DDH-98-192 and to test the down-plunge extension of the Flex zone. Deviation was not an issue and the hole was successfully copied, albeit the zone appears to be only partially intersected.

A series of generally well foliated, banded amphibolites and felsic gneisses were encountered from surface down to 83.20m, with lesser quartzite. A quartz feldspar gneiss unit was intersected from 74.60-83.20m with strong foliation at 065˚ TCA. Alteration consists of moderate to strong pervasive silicification; patchy limonite weathering, local chlorite-sericite; and clotty hematite. Locally fine black sooty grey quartz-sulphide stringers were observed at 020˚ TCA. Sulphide species were generally too fine to distinguish, except for brassy-white pyrite and trace galena. Several pebble size massive pyrite-sooty black sulphide fragments were noted at 81.2m & 82.2m; in a larger zone of strong hydrothermal clay alteration and faulting. These fragments may represent the uppermost portion of the Hangingwall Zone; or a faulted remnant. Basement quartz-feldspar porphyry was encountered at 83.20m to the end of hole. From 86.40 to 91.40m narrow mm-scale smoky quartz veinlets were encountered, with shiny white striated pyrite and fine, dusty grey-black sulphides as disseminations and clots, preferentially at the selvages of vein walls; and commonly aligned at 040˚ TCA.A 10cm interval from 87.4 to 87.9m is crumbly friable black sulphide dirt with bright shiny pyrite; and may represent a remnant of the main zone interval. From 87.90 to 89.40m the QFP has a crackle breccia appearance; is strongly silicified and shot with quartz stringers. A few 2-5 mm faint, indistinct dusty grey-black sulphide masses were noted; commonly studded with tiny white pyrite inclusions. Fairly fresh looking QFP was noted below 103.2m. The hole appears to have nipped the top of the zone and is too high in the hangingwall; or significant faulting or drag folding has offset the zone.

DDH-10-250

Drill hole DDH-10-250 was designed to further test the down-plunge extension of the flex zone by drilling beneath DDH-10-249 with a steeper dip of -65°. Deviation was not an issue and the hole intersected a larger portion of the zone than did DDH-10-249, thereby confirming open mineralization at depth.

A series of narrow fault zones were cut from surface down to a depth of 22m in bleached and chloritized mafic gneiss. From 58 to 63 m the hole encountered a rhythmic sequence of fine grained to medium grained, irregularly banded (migmatized?) and bleached, intercalated mafic/felsic bands with lesser quartzite. One narrow 2mm wide smoky quartz stringer with finely disseminated pyrite at 040˚ TCA is at 52.4m. A few irregular py-chl-qtz clots and tiny cracks were observed locally; along with <1% diss dusty fine grained metallic sulphides. Fine sulphides and pyrite were observed in quartz stringers from 83m to 87.8m. A series of narrow cm-scale semi-massive to massive sulphide-quartz veins and veinlets were encountered from 91.4 to 105m in disrupted and faulted quartz feldspar gneiss at the contact with quartz-feldspar porphyry. The sulphides comprise fine intergrown galena-sphalerite-arsenopyrite masses with pyrite. The sulphide masses can comprise up to 60-75% of individual vein segments. The veins seem at shallow angles to the core axis; as does much of the local shearing, clay gouge and breciation. Much of the lower hole below 83m is locally strongly fractured, brecciated and faulted and suggests the hole may have tested a steep NE dipping cross-fault orthogonal to the steeply west dipping flex zone structure.

DDH-10-251

Drill hole DDH-10-251 was designed to test the Flex zone 25m North West of collar DDH-10-240 and DDH-10-248. Albeit, no down hole survey data is available due to the Ranger instrument malfunctioning, the zone was intercepted, and the target was achieved.

The hole intersected banded and variably altered and structurally disrupted felsic and mafic gneiss bands from surface to 103.20m. From 103.2m to 123.30m the hole encountered quartz-feldspar porphyry before re-entering intensely clay/chlorite altered mafic gneiss. Much of the hole seems to be tracing a steeply dipping fault structure, perhaps SE dipping, and appears as a series of anastomosing and braided shear and fault zones with related clay gouges and brecciated intervals. The lithology from 88.50m to 108.75m is unrecognizable; suspect intercalated bands of both felsic and mafic gneiss with strong structural impact and related alteration. Sooty sulphides are evident, in clayey sections; and also as narrow sulphide-quartz stringers cutting better cored and more competent sections; with finely studded disseminated pyrite in the matrix. Basement QFP was reached at 103.20m. Some sections are well silicified QFP breccia; with a pitted and locally vuggy texture. Local intervals of QFP breccia have anastomosing and braided smoky grey-black quartz with sulphidic cast and sparkly bright pyrite rimming breccia fragments. Pyrite is also observed studded within fragments and as clots. Some breccia

fragments have tiny smoky grey quartz microstringers suggesting veining is post-breccia and silicification is episodic. Strong chlorite alteration of fragments is evident. Locally sulphides consist of intergrown laths of galena and brown sphalerite; pyrite tends to be clotty or disseminated on its own in quartz gangue or at the eroded edges of sulphide laths; and possibly represents a later mineralizing event. Small mm-scale clay-quartz stringers at 120˚ TCA are seen to cross-cut breccia; giving rebrecciated look to unit (episodic). Hole must be aligned on (passing in and out of) basement contact; or starting to penetrate downthrown gneissic block.

DDH-10-252

Drill hole DDH-10-252 was designed to test the Flex zone 50 metres North West of DDH-10-251. Deviation was not an issue and the target was achieved.

Hole collared in strongly silicified quartz feldspar porphyry intrusive. Unit has weak to locally strong patchy limonite oxide overprint; and locally strong dendritic branching to masses of manganese weathering near surface. From 82.35 to 86.2m the hole encountered strong brecciation, local clay gouges and fracturing. The interval is bleached and well foliated (sheared?), fine-grained and looks like altered felsic gneiss or extremely sheared, silicified and well-preserved fault gouge. The contact with the overlying QFP is intact and planar and is oriented at 035˚ parallel to foliation. Unit might be downthrown fault block/sliver of gneiss or fault gouge. Below 86.2 to 110.95 the hole re-entered QFP; with local narrow disrupted zones of fine sulphide-quartz bands and irregular veining from 96.8m to 101.3m. Sulphides consist primarily of pyrite with lesser amounts of very fine arsenopyrite, with scorodite alteration, and sphalerite. Total sulphide content is <5%. The hole transitioned into an upper unit of disrupted and altered intercalated flesic and mafic gneiss from 110.95 to 115.8. Below 115.8m the hole well foliated, silicified amphibolite/biotite gneiss with weak pervasive sericite-chlorite ± epidote alteration. There is minor pyrite as fine disseminations and foliation-parallel clots and stringers. Hole seems to have nipped the pinched NW extension of the Flex Zone; or the veins have been offset off section by faulting.

DDH-10-253

Drill hole DDH-10-253 was designed to test the down plunge extension of the Flex zone by stepping back 50m along azimuth from DDH-10-248. Deviation was not an issue and the objective was achieved.

The hole collared into unaltered Quartz-feldspar Gneiss. For 64.49m(0-64.49m) the hole alternated between mafic and felsic-quartz-feldspar-Gneiss. Homogeneously distributed throughout the felsic unit are trace to 1% finely disseminated pyrite. Localized zones of moderate to intense fault gouge ranging from 0.5-1m were also intercepted. Within the upper 64m the only notable mineralization occurred at 23.77m-33.43m within the mafic chlorite altered Gneiss, and contained 1% localized Galena along with trace sphalerite. From 64.49-66.42m a localized section of Amphibolite was cored. The main zone containing four distinct and heavily mineralized veins occurred from 161.27-173.60m. The first smoky quartz vein (from 161.27-163.98m) was most prominent, and exhibited the highest degree of

mineralization containing moderate scorodite alteration with 15% fine grained disseminated pyrite, 2-3% fine grained mafic sulphides. The second vein (possible bifurcation of the previous) occurred at 164.59-164.90 and contained up to 5%mafic fine grained sulphides with weak to moderate scorodite alteration. Vein 3 occurred from 165.52-166.48m and contained weak scorodite alteration and 1% mafic sulphides. Vein 4 occurred from 168.23-196.34m and contained 5% mafic fine grained sulphides along foliation planes, 2-3% coarse grained pyrite, 1% smoky quartz and weak to moderate scorodite alteration. The wall rock in this zone consisted of heavily altered quartz feldspar porphyry. The following 20m after the zone consisted of QFP or intensely altered Gneiss. A possible 5th weak mineralized zone was also intercepted in a gouge rich area from 179.35-185.50 and contained up to 2%FSx. The hole finished in very coarse grained, unaltered, basement quartz feldspar porphyry with trace pyrite.

Drill Hole Results

The drill program was successful in achieving its primary goals of confirming previous gold mineralization intercepted by historic drill holes and preserving the grade of the Flex zone. The ability to test the southern extension of the zone has proved to be difficult as a result of poor ground conditions. Implementing a more powerful drill may help to mitigate such problems in the future. A summary of the analytical results can be seen in Table 6.

Table 6. Summary of 2010 Diamond Drilling Results

Hole Number	Azimuth (°)	Dip (°)		From:	To:	Length (m)	Au (ppm)	Ag (ppm)
DDH-10-240	-50	078		59.6	90.85	31.25	1.66	67.91
			Including	66.3	68	1.7	13.14	778.03
				73.5	74.35	0.85	3.09	81.6
				78.8	79.3	0.5	8.68	172.9
				89.9	90.85	0.95	2.21	103.6
			and	96	97.75	1.75	1.89	60
DDH-10-241	-50	078		58.25	82.5	24.25	1.77	115.96
			Including	64.75	64.95	0.2	22.8	2946
				67.15	68.6	1.45	2.56	97.4
				81.6	82.5	0.9	23.81	973.44
DDH-10-242	-50	045		15.85	21.5	5.65	8.61	186.2
			Including	15.85	17.95	2.1	9.73	337
				19.4	21.5	2.1	12.92	152.23
				36	36.7	0.7	3.56	58.8
DDH-10-243	-50	045		19.45	48.35	28.9	5.06	138.09
			Including	28.35	31.4	3.05	14.02	28.57
				33.25	34.65	1.4	6.58	298

				37.5	40.55	3.05	14.3	55.5
				46.05	48.35	2.3	11.8	1215
DDH-10-244	-50	045		12.2	20.75	8.55	2.19	64.2
			Including	14.55	15.75	1.2	4.37	193
DDH-10-245	-60	045		57	62.35	5.35	20.91	131.54
			Including	58.8	61.85	3.05	35.6	18.1
DDH-10-253	-65	078		157.55	163.98	6.43	1.4	17.8
			Including:	161.27	162.55	1.28	2.07	12.7
				162.55	163.98	1.43	3.02	4
DDH-10-246	078	-50		26.3	42.05	15.75	0.71	49
			Including:	37.5	38.8	1.3	2.9	3.1
				38.8	39.25	0.45	5.68	7.4
DDH-10-247	078	-50		No Significant Assays (Abandoned short of target)				
DDH-10-248	078	-65	Including:	77.15	78.15	1	3.02	125
				78.15	78.65	0.5	6.06	22.5
				83.3	91.9	8.6	3.25	241
			Including:	83.3	84	0.7	1.36	13.1
				84	85	1	3.35	129
				86.7	87.45	0.75	5	188
				87.45	88.45	1	5.7	630
DDH-10-248	078	-65		101.4	115.65	14.25	2.13	82.8
			Including:	112.65	113.5	0.85	22.6	1078
DDH-10-249	078	-49		86.4	91.4	5	3.52	119
			Including:	87.4	87.9	0.5	24.4	1058
DDH-10-250	076	-65		83	100.4	17.4	2.34	78.7
			Including:	91.4	92.12	0.72	6	492
				92.99	93.65	0.66	4.56	8.7
				93.65	94.1	0.45	23.1	527
				94.72	96.95	2.23	5.1	149
				111.5	112.5	1	0.15	26.6
				115	119.8	4.8	0.51	22.9
DDH-10-251	078	-65		101.5	116.74	15.24	0.72	34.5
			Including:	114.75	116.74	1.99	2.05	184
DDH-10-252	078	-65		96.15	101.6	5.45	1.12	39.9
			Including:	99	100.2	1.2	2.22	86.6

Core Storage

All drill core is being stored on the previously stripped Dome 3 Claim block approximately 600m west of camp. A location map is given below in figure 16 showing the exact location of this core storage.

2010 Trenching Summary and Protocol

The trenching program was designed delineate and expand mineralization trends from previously defined soil anomalies.

Trenching totalled 2,243 m in 20 trenches over the Orloff-King, GRW, Webber, Dickson and Cabin zones. Of these, 16 trenches totalling 1,917 m bottomed in bedrock while the remaining four trenches bottomed in permafrost and will be completed in following seasons. A total of 554 unique samples were collected from trenches and submitted for assay.

The trenching was contracted to 15317 Yukon Inc. and carried out using a Hitachi ZX 200 excavator. See table 17 for selected trench results.

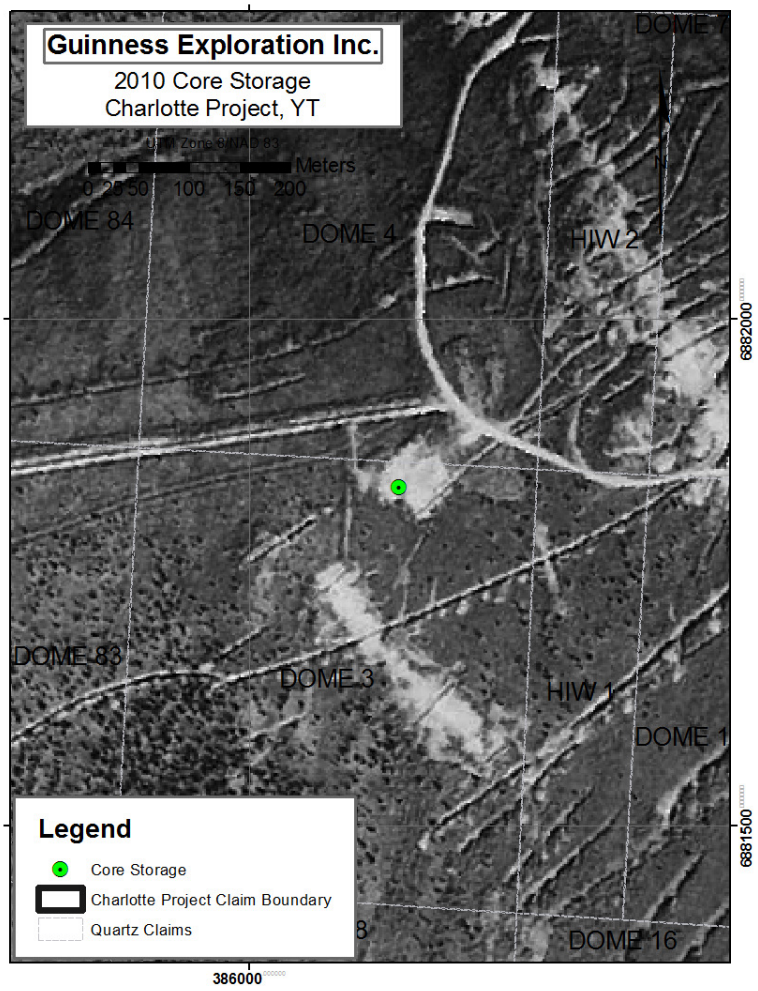


Figure 16. Location of 2010 core storage

Trenching Exploration Procedure

The trenching procedures and activities implemented during the 2010 exploration field season are outlined below

Trench Numbering

All of the trenches were numbered in accordance to the historical naming scheme with the Initials of the zone “OK” (Orloff-King) dash TR”10” (the year) dash “01” (the next trench number in sequence for that particular zone).

Trench Surveys

During mapping, both the floor and rib of each trench was systematically surveyed using Silva or Brunton Compass, a measuring tape, and a GPS unit. This allowed for any changes in the elevation and direction of the trench floor to be accurately recorded. The rib depth was also measured, with special attention given to measuring changes in both overburden and bedrock depth.

Trench Sampling Procedure

The entire ribs of the trenches were continuously sampled approximately 30cm above the trench floor. Sample intervals normally ranged from less than 1 to 1 metre in suspected areas of mineralization, to 2-3 meters elsewhere. Care was exercised to ensure that the sample was collected uniformly across each interval.

Trenching Conditions

Trenching conditions on the Charlotte project were generally good; however progress was often slowed by the shallow depth of permafrost. Given that the excavator was unable to dig through the permafrost, trenches could not be bottomed into bedrock until the ice in each trench had melted. Occasionally, as the permafrost melted, slumping would occur which hindered mapping and sampling of trenches due to safety concerns. Later in the season, the permafrost in the trenches was unable to melt, leading to a few trenches being left open until the 2011 field season.

Trenching Summary

Provided below is a brief summary of the trenching which occurred in each zone on the Charlotte Project. The maps of each trench can be found in Appendix III.

GRW Zone

Work in the GRW Zone consisted of five trenches being excavated which totalled 612.9 metres on the Dome 42 claim and 52 metres on the Dome 41 claim. Mineralization encountered included chalcopyrite, malachite, and aresenopyrite along with chlorite, phyllic, argillic and minor propylitic alteration suggesting the potential for a porphyry style deposit. The best assay from this zone was 0.504g/t Au over 2.4 metres. All except two trenches (GRW-TR10-03 and GRW-TR10-05) were mapped and continuously sampled. The two trenches which had to be left open will be fully reclaimed in 2011 upon mapping and sampling. Table 7 below outlines the identification and exact length of each trench in this zone. Figure 17 below outlines the location of all trenching and sampling which occurred in this zone.

Table 7. Trenched Claim Blocks with the GRW Zone

Trench	Total Length(m)	Length in Claim(m)	Claim
GRW-TR10-01	160.5	160.50	Dome 42
GRW-TR10-02	188.6	188.6	Dome 42
GRW-TR10-03	56.9	56.9	Dome 42
GRW-TR10-04	117	117	Dome 42
GRW-TR10-05	141.9	52	Dome 42
		52	Dome 41

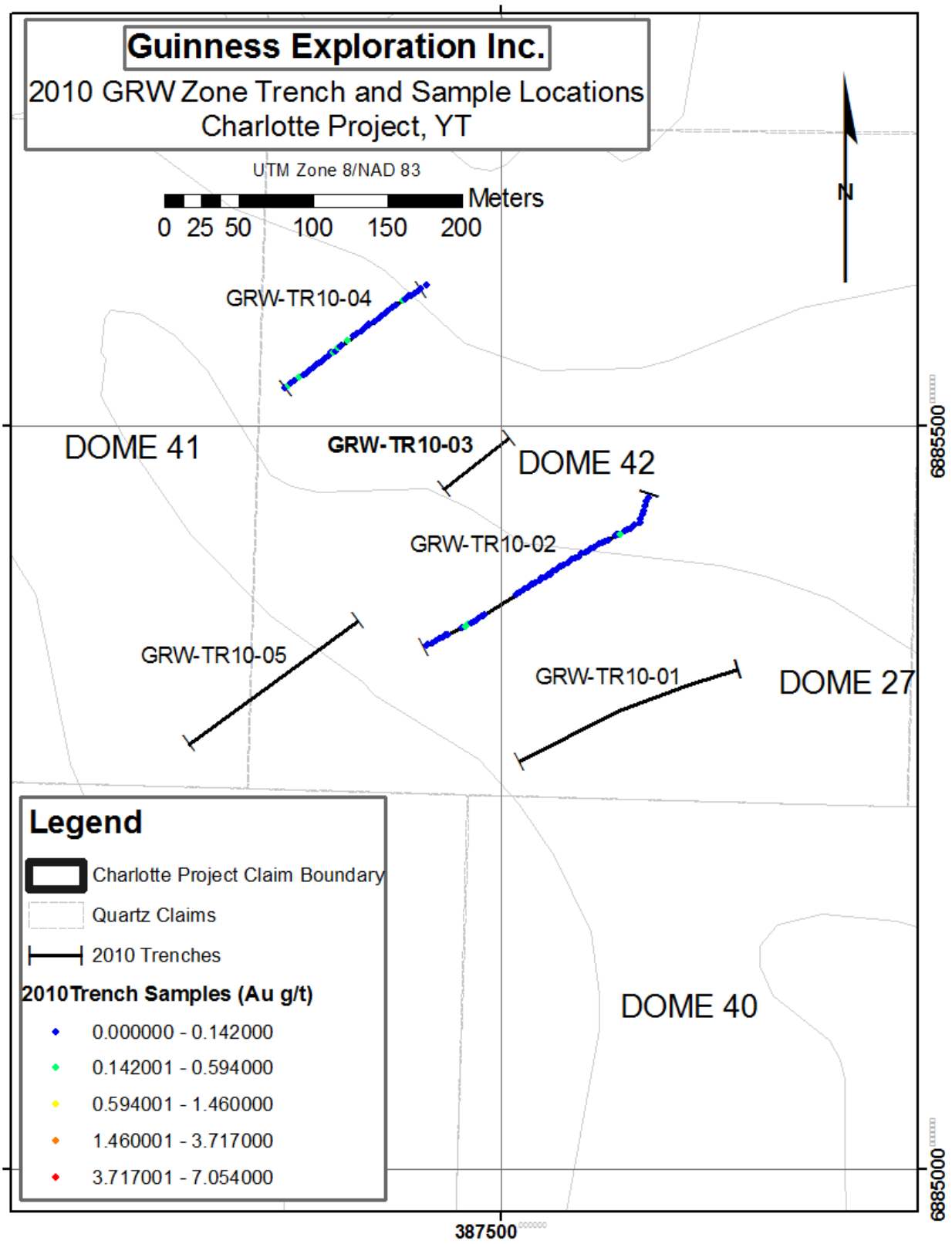


Figure 17. GRW Zone Trench and Sample locations

Orloff-King Zone

Work on the Orloff-King Zone consisted of the completion of ten trenches with a combined length of 1061metres targeted at intersecting potential faulted extensions of the Flex and Webber Zones. Mineralized veins containing scorodite alteration were intercepted in exposed trenches and contained assay values of up to 7.054g/t Au. Trenching details are outlined below in table 8. Only one trench, OK-TR10-08, was not mapped and sampled due to the presence of permafrost, and so will be reclaimed in 2011. All 2010 trench and sample locations within the Orloff-King zone are outlined below in figure 18.

Table 8. Trenched Claim Blocks in the Orloff-King Zone

Trench	Total Length(m)	Length in Claim (m)	Claim
OK-TR10-01	126.9	126.9	Dome 53
OK-TR10-02	179.1	179.1	Dome 53
OK-TR10-03	136.9	136.9	Dome 53
OK-TR10-04	69.5	30.8	Dome 53
		38.7	Dome 33
OK-TR10-05	204.3	204.3	Dome 53
OK-TR10-06	218.6	218.6	Dome 53
OK-TR10-07	26.1	26.1	Dome 53
OK-TR10-08	47.9	47.9	Dome 53
OK-TR10-09	67.9	67.9	Dome 53
OK-TR10-10	22.6	22.6	Dome 53

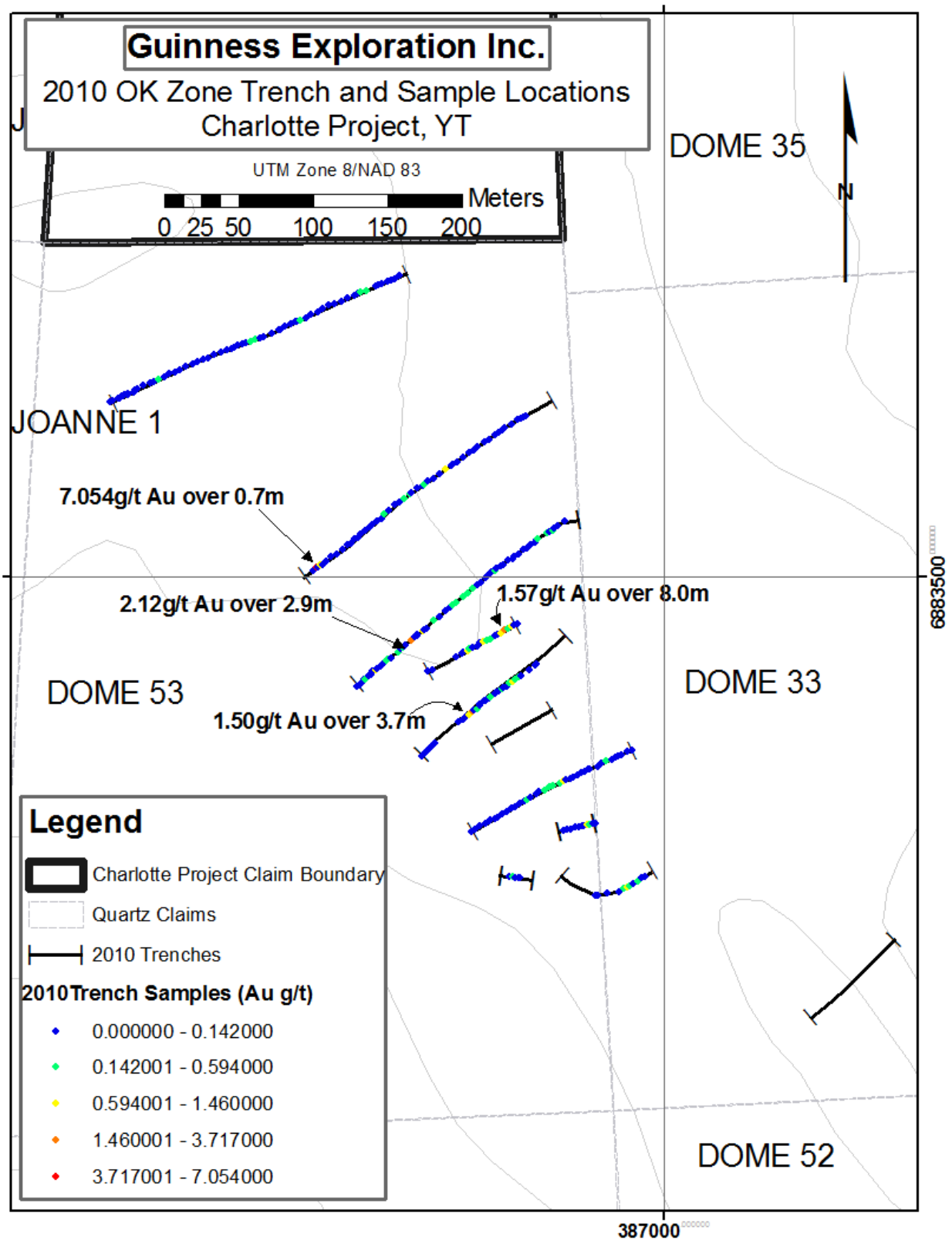


Figure 18.Location of 2010 Orloff-King Trenches and Samples

SST (Dickson) Zone

In the SST Zone, two trenches were cut with no appreciable mineralization or structure being encountered. Unfortunately, trench SST-TR10-04 was dug late in the season and was unable to be completed or surveyed due to the presence of permafrost. This trench will be revisited in 2011 and will be reclaimed upon mapping and sampling. See Table 9 for trenching details. Figure 19 below outlines the locations of all 2010 trenches and samples in the Dickson Zone.

Table 9. SST(Dickson) Zone Trenched Claims

Trench	Total Length (m)	Length in Claim (m)	Claim
SST-TR10-03	100.1	100.1	SPOT
SST-TR10-04	78.51	75.51	Dome 33

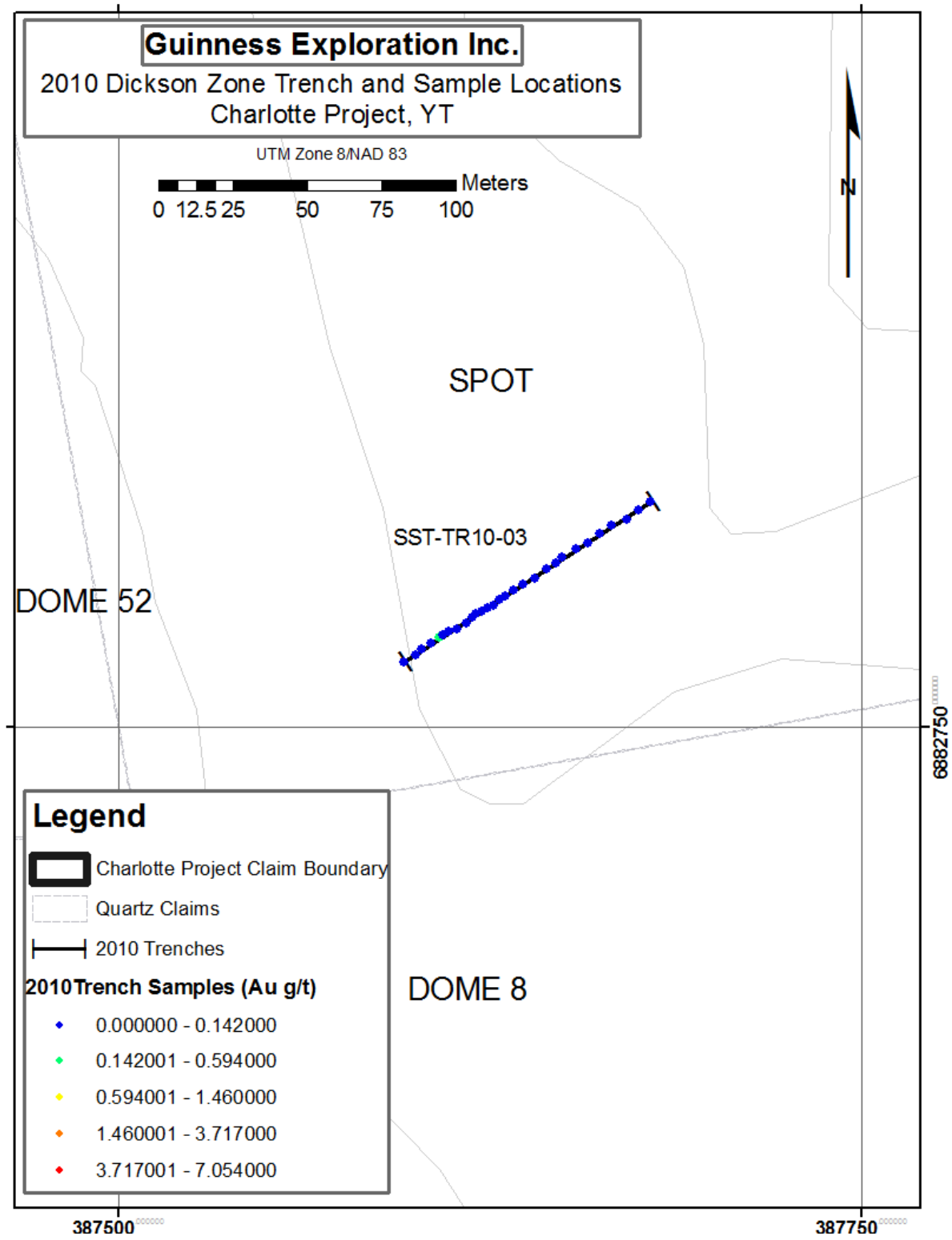


Figure 19. Location of all 2010 Trenches and Samples taken in the Dickson Zone.

Webber Zone

Trenching in the Webber zone was comprised of 32.3m and 17.3m in the Dome 78 and Dome 2 claims respectively. Minor pyrite and aresenopyrite mineralization was noted in both trenches, with the best assay value of 1.43g/t Au being obtained. Both WEB–TR10-01 and WEB-TR10-02 were fully reclaimed and are outlined in Table 10 below. Their locations are outlined in figures 20 and 21 respectively.

Table 10. Trenching in the Webber Zone claims

Trench	Total Length (m)	Length in claim (m)	Claim
WEB-TR10-01	32.3	32.3	Dome 78
WEB-TR10-02	17.3	17.3	Dome 2

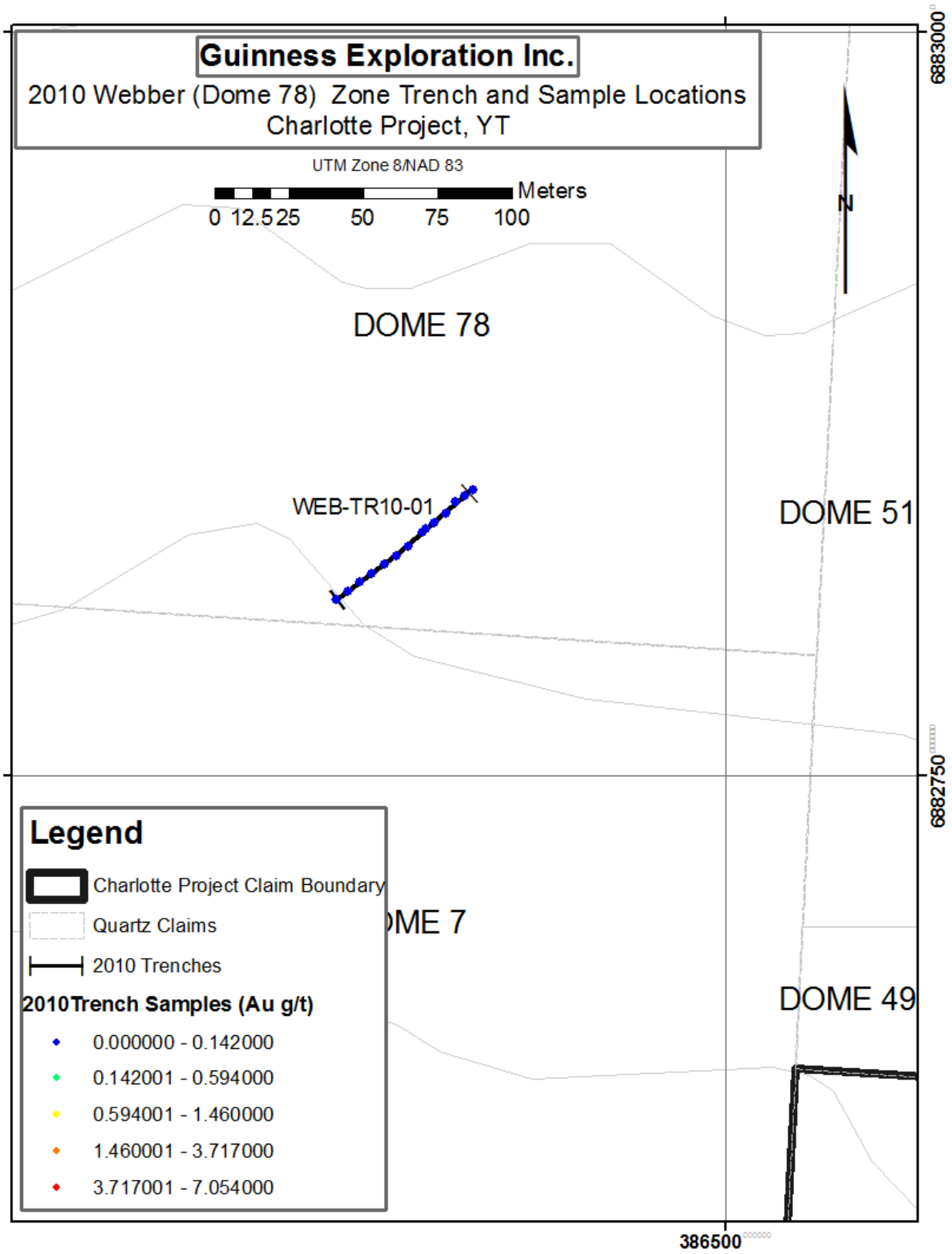


Figure 20. Location of WEB-TR10-01 Trench and Samples

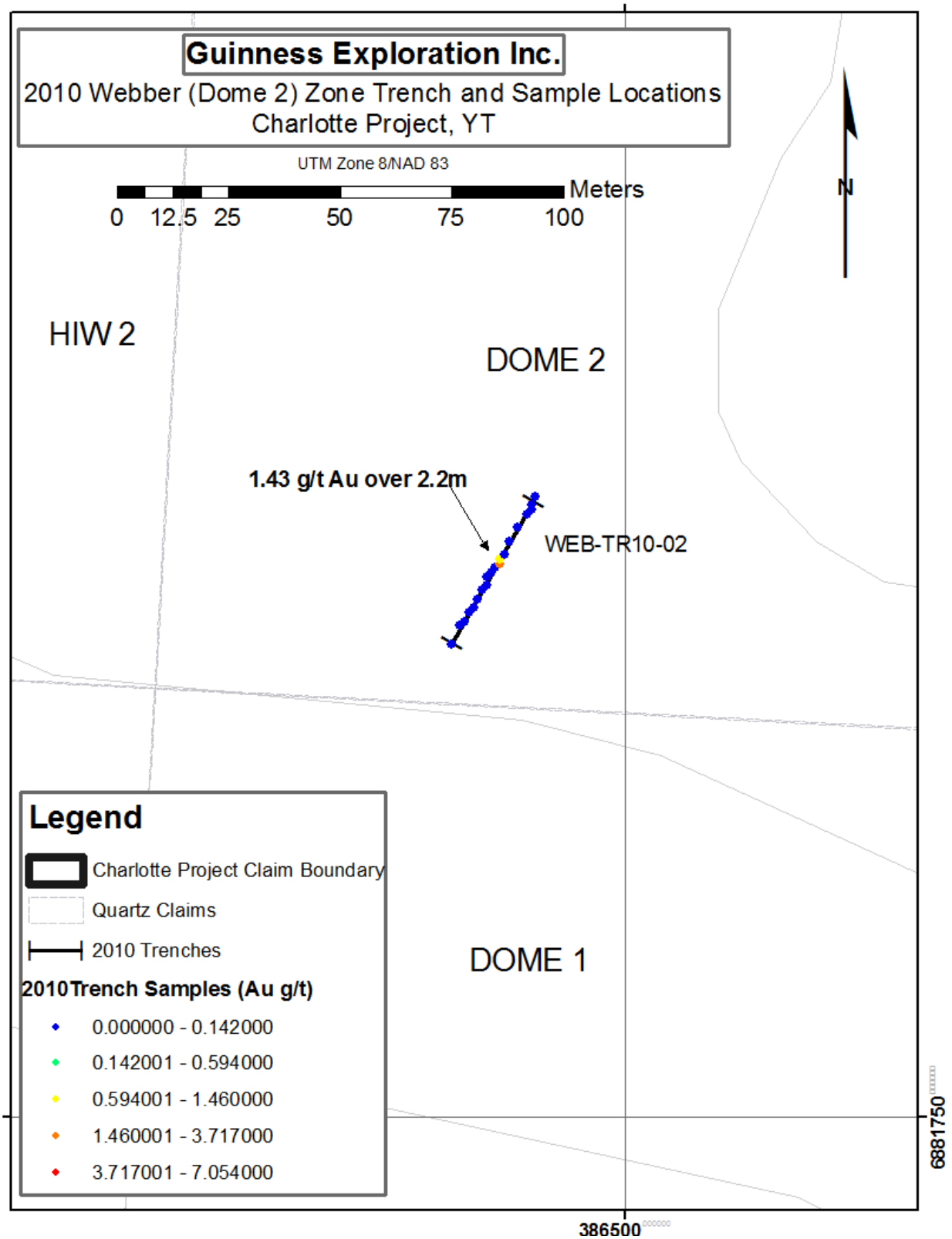


Figure 21. Location of WEB-TR10-01 and Samples

Cabin Zone

Only one 312.8m long trench was dug in the Cabin Zone and is outlined below in Table 11. Albeit no appreciable veining was noted in this trench, aresenopyrite bearing granodiorite was observed. The best assay from this trench was 1.353 g/t Au over 2.9m. Figure 23 below shows the exact location of CAB-TR10-01 along with all the samples taken.

Table 11. Total trenching in the Cabin Zone and affected claim blocks

Trench	Total Length (m)	Length in Claim (m)	Claim
CAB-TR10-01	312.8	123.8	Dome 83
		45	Dome 84
		144	Dome 4

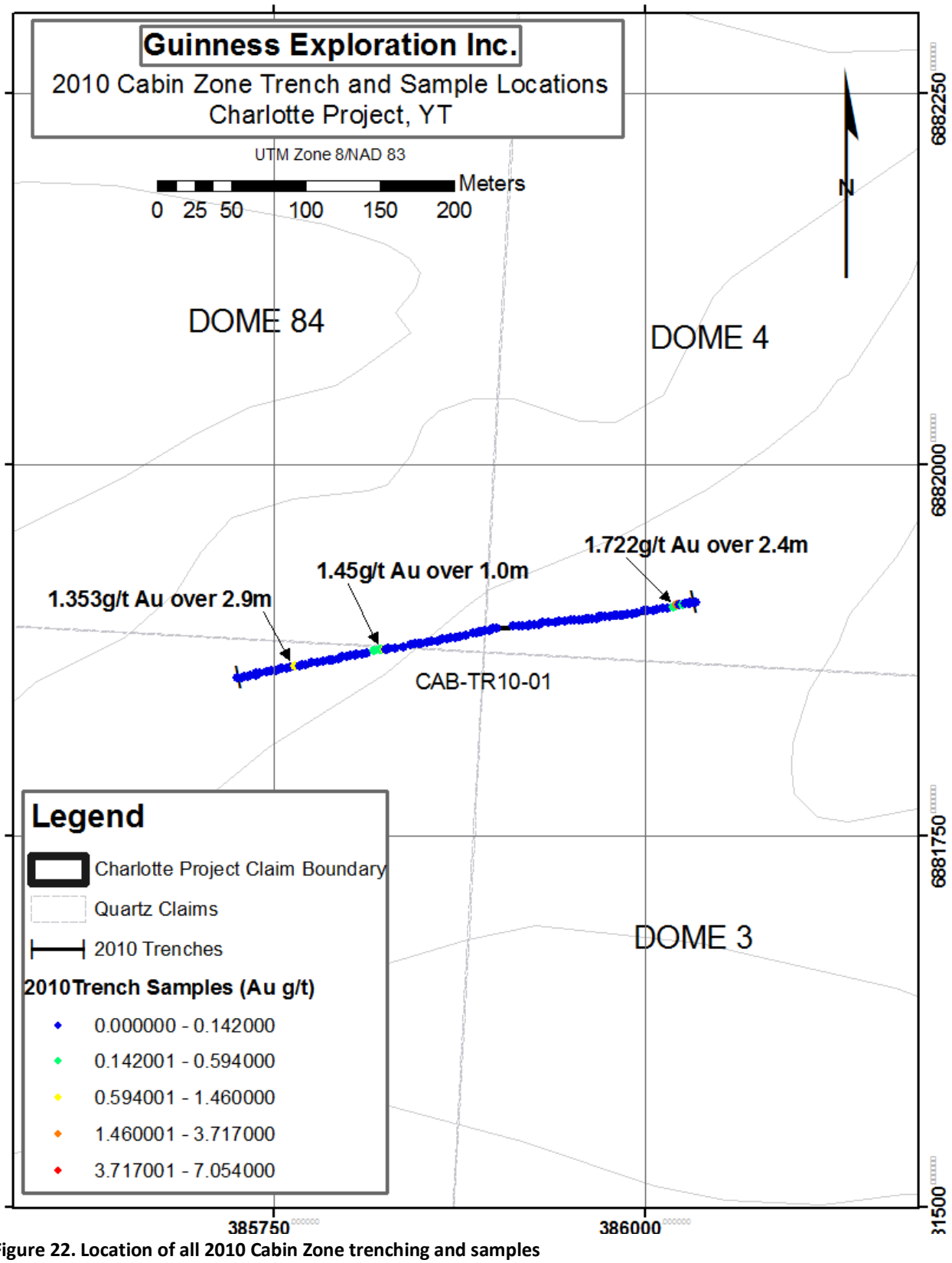


Figure 22. Location of all 2010 Cabin Zone trenching and samples

Trenching Results

The trenching program was successful in achieving its primary goals of expanding mineralization trends and creating new targets for the 2011 field season. A summary of selective results is given below in Table 12.

Table 12. Result Summary of selective 2010 Trenches

Zone	Trench #	From	To	Width	Au (g/t)	Ag (g/t)
Orloff-King	OK10-1	45.5	49.2	3.7	1.50	40.3
Orloff-King	OK10-2	47.8	50.7	2.9	2.12	N/A
Orloff-King	OK10-5	11.4	12.1	0.7	7.05	34.7
Orloff-King	OK10-9	57.5	65.5	8.0	1.57	5.17
Cabin	CAB10-1	40.1	43	2.9	1.353	15.7
Webber	WEB10-2	21.0	23.4	2.2	1.43	4.03

Reclamation Work

Reclamation work performed on the property occurred in two phases. The first was to actively reclaim all mapped and sampled trenches which were opened during 2010 field season. This phase resulted in 1980.5m of the total 2305.71m of trenches being reclaimed (16 trenches reclaimed, four remain open). The second phase was to initiate reclamation of the historic trenches, many of which have remained open since the 1950's. A detailed outline of all phase I and II reclamation work is given below.

Phase I Reclamation Work

The Phase I reclamation activities implemented during the course of the 2010 exploration program are outlined below based upon the zone.

GRW Zone

Within the GRW Zone, 466m of reclamation occurred of the total 664.9m of trenches which were opened. Two of the four trenches (GRW-TR10-03 and GRW-TR10-05 located on claims Dome 42 and Dome 41, respectively) were left open due to the presence of permafrost which prevented the trenches from being mapped and sampled. These trenches will be deepened during the 2011 field season and, subsequently, reclaimed upon mapping and sampling. Table 13 outlines the length of reclamation which occurred in the GRW Zone.

Table 13. Reclaimed trenches in the GRW and affected claims

Trench	Claim Block	Length Reclaimed (m)
GRW-TR10-01	Dome 42	160.5
GRW-TR10-02	Dome 42	188.6
GRW-TR10-04	Dome 42	117

Orloff-King Zone

Within the Orloff-King Zone 1051.9m of the total 1099.8m of trenches were reclaimed (Refer to Table 14 below). Only one trench, Ok-TR10-08 (47.9m in the Dome 53 claim block), was unable to be mapped due to the presence of permafrost, and therefore, was left open. Reclamation of this trench will ensue in the 2011 field season upon completion of both mapping and sampling.

Table 14. Reclaimed Trenches in the Orloff-King Zone (Dome 53 and Dome 33 claim blocks).

Trench	Claim Block	Length Reclaimed (m)
OK-TR10-01	Dome 53	126.9
OK-TR10-02	Dome 53	179.1
OK-TR10-03	Dome 53	136.9
OK-TR10-04	Dome 53	30.8
	Dome 33	38.7
OK-TR10-05	Dome 53	204.3
OK-TR10-06	Dome 53	218.6
OK-TR10-07	Dome 53	26.1
OK-TR10-09	Dome 53	67.9

SST (Dickson) Zone

In the Dickson Zone (comprised of claim blocks SPOT and Dome 33), 100.1m of trenches were reclaimed of the 178.61m which were opened. Trench SST-TR10-04was left open for the winter (78.51m long, Dome 33) and will be fully reclaimed in the 2011 field season upon mapping and sampling. Table 15 outlines the trench reclamation which occurred in this zone.

Table 15. Reclaimed trenches in the Dickson Zone (SPOT and Dome 33 claims)

Trench	Claim	Length Reclaimed (m)
SST-TR10-03	SPOT	100.1

Webber Zone

In the Webber Zone (Dome 78 and Dome 2) all 49.6m of trenches opened were subsequently reclaimed. Details are given in Table 16 below.

Table 16. Reclaimed trenches in the Webber Zone (Dome 78 and Dome 2 claims)

Trench	Claim	Length Reclaimed (m)
WEB-TR10-01	Dome 78	32.3
WEB-TR10-02	Dome 2	17.3

Cabin Zone

Only one 312.8m trench was cut on the Cabin Zone (Dome 83, Dome 84 and Dome 4 claim blocks) and was fully reclaimed in the 2010 field season. The details of this trench are given below in Table 17.

Table 17. Reclaimed trenches in the Cabin Zone and affected claim blocks

Trench	Claim	Total Reclaimed (m)
CAB-TR10-01	Dome 83	123.8
	Dome 84	45
	Dome 4	144

Phase II Reclamation

In addition to the trenches that were opened and reclaimed in the 2010 field season, reclamation was also initiated on trenches left un-reclaimed by the previous operator. In the Webber Zone 610m of trenches were reclaimed on the Dome 2 claim, and are outlined below in Figure 23.

In addition to the Webber Zone, about 20,000 m^2 of initial reclamation work was undertaken on the heavily disturbed and previously un-reclaimed Flex Zone (Dome 6 claim). This area had undergone extensive stripping, trenching and drilling in the 1980's and is shown below in figure 24. All of the open trenches in this area are now reclaimed, along with the initiation of moving top soil back into the margins of the stripped region.

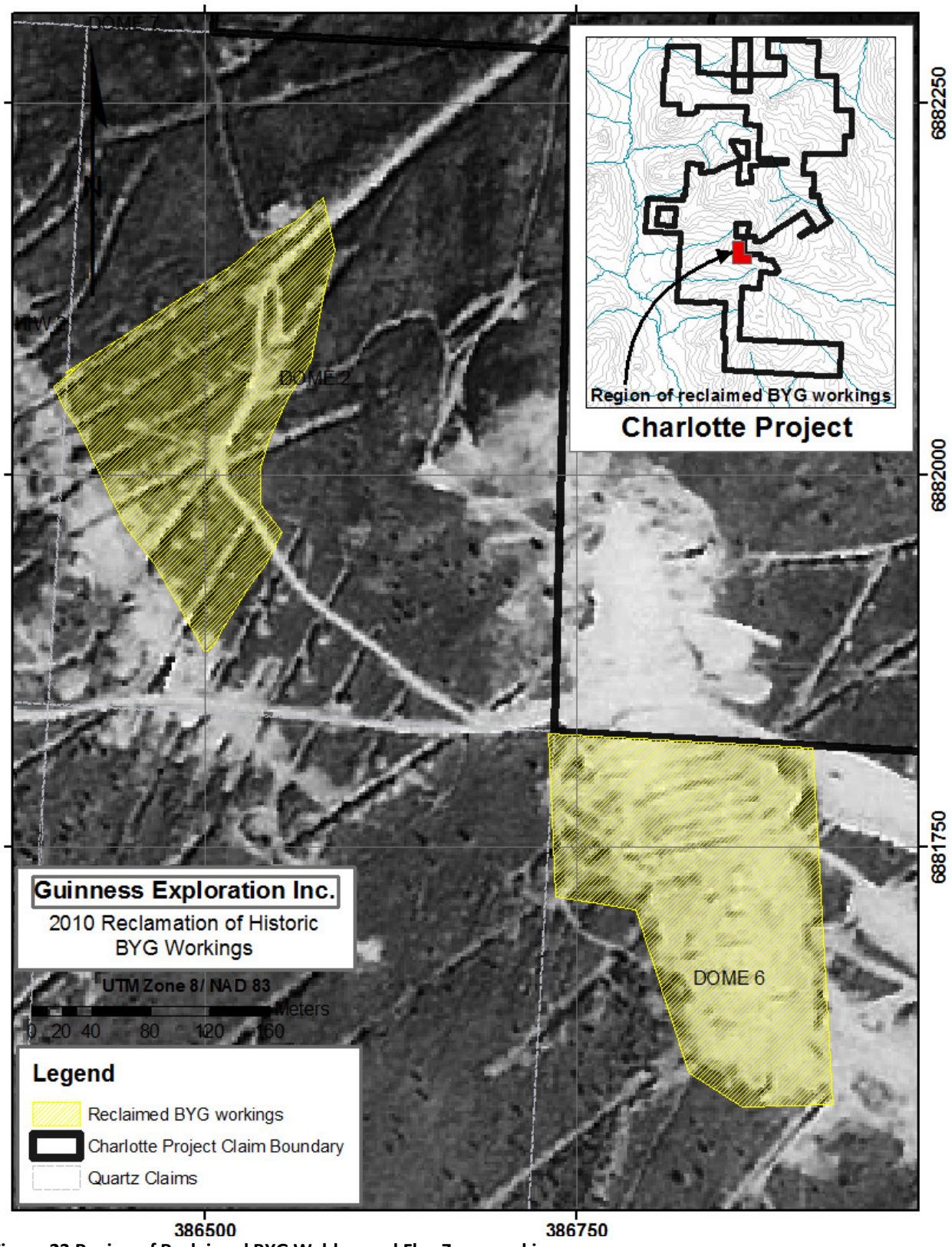


Figure 23.Region of Reclaimed BYG Webber and Flex Zone workings



Figure 24. Flex Zone prior to reclamation (Top). Flex zone after initial reclamation (Bottom)

Expenditures

The claimed expenditures on the Charlotte property during the 2010 field season are $912,033 derived from monies spent on reconnaissance trench mapping, drilling, trenching, and reclamation operations. A breakdown of the statement of costs can be found in appendix I.

Adjacent Properties

The Charlotte Property and the adjacent properties are located in the Whitehorse Mining District. There are over thirty known mineral occurrences in the Mount Nansen area and the vast majority are currently

staked. The majority of the claims held in the area are held by Aurchem Exploration Ltd. (396 full or fractional claims).

The primary exploration targets on Aurchem`s claim block are in Discovery Creek and Iron Creek drainages. Both epithermal Au-Ag-Pb-Zn veins and Au±Cu±Mo porphyry mineralization have been identified in the Discovery Creek drainage. Work in the area has primarily focused on epithermal vein mineralization through geophysics, soil geochemistry, trenching and diamond drilling. The Iron Creek area, known as the VIC claims, has been explored for epithermal Au veins. Work has included geophysics, soil geochemistry, trenching and diamond drilling (Yukon Minfile 115I 068, 093 and 117).

Archer, Cathro & Associates Ltd. is another major stakeholder in the Mt. Nansen area. They hold a total of 254 claims in four separate blocks known as the Klaza, Sked, Dade and III properties. Each block covers at least one known vein occurrence. Work by Archer-Cathro in 2010 focused exclusively on the Klaza claims and has consisted of confirmation trenching and diamond drilling on the Klaza, BYG and BRX zones (Yukon Minfile 115I 067). This area also has an extensive exploration history beyond the scope of this discussion.

A number of other claims in the area are held by Roger Hulstein, Frank Cochrane and Bill Trerice. Little data is available on these holdings, as the claims have changed hands on many occasions.

All the above information is in the public domain. The authors are unaware of exploration activity on the adjacent claims other than that of Archer-Cathro.

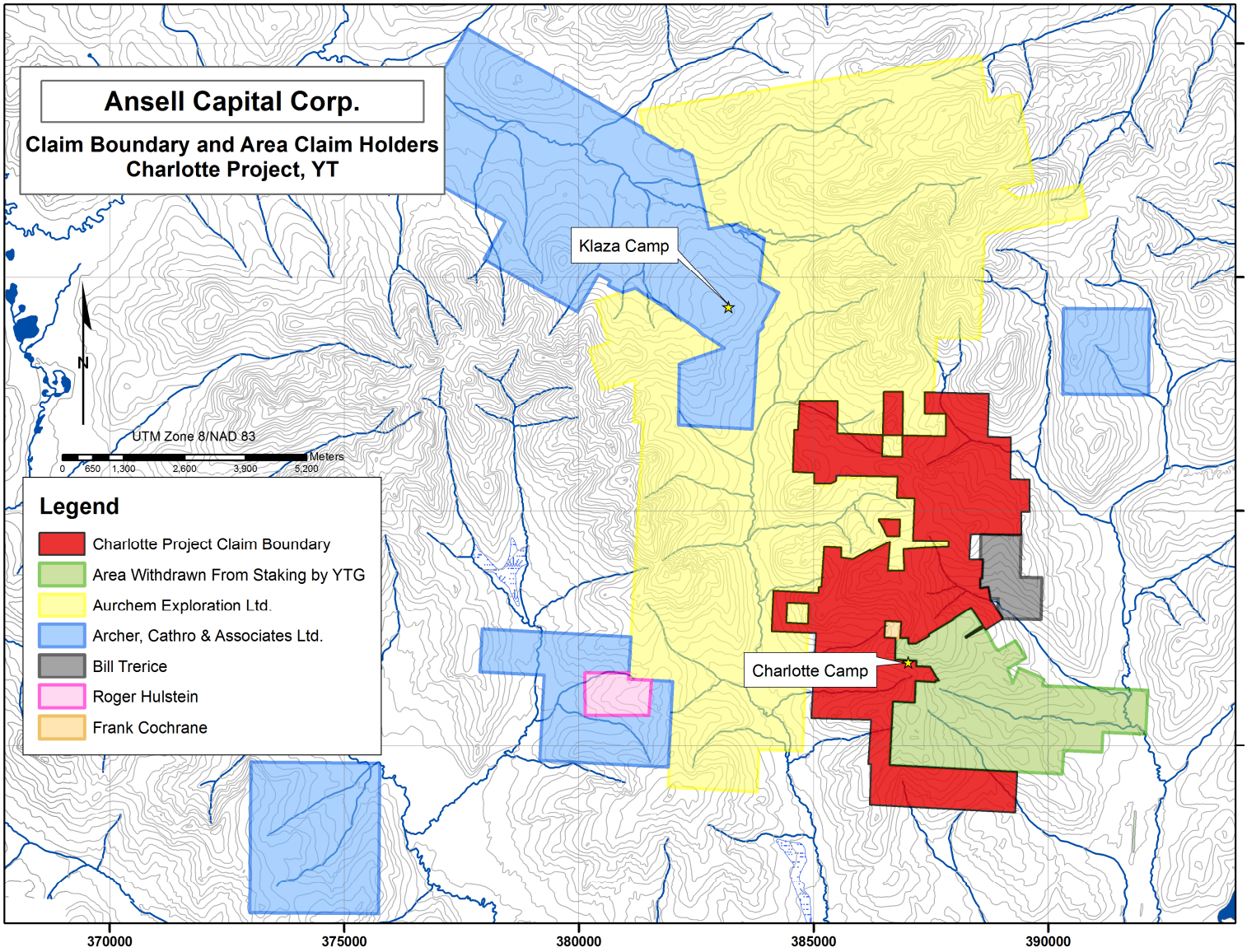


Figure 25. Adjacent Properties

Interpretations and Conclusions

Gold and silver mineralization is contained in shear zones adjacent or proximal to mineralized porphyry intrusive rocks. A complex intrusive history and a sustained period of multiple mineralizing events have created a structural setting that is conducive for the occurrence of gold and silver mineralization in fault zones and at fault intersections that present worthy targets for additional exploration. In addition, evidence exists that defines a possible porphyry copper-gold mineral occurrence of unknown quality.

Previous workers conducted sufficient exploration in the form of surface work and drilling to develop mineral resources that were acceptable for development activities at the time. The existence of epithermal and porphyry style gold, silver, and copper mineralization has been documented by the prior exploration, but not to NI 43-101 standards.

Recent work by Guinness and others has documented the presence of mineralized zones not previously tested by drilling. Sizeable soil gold anomalies remain known but unexamined.

It is the authors' conclusion that known mineralization is large and continuous enough to constitute a target for delineation of NI 43-101 level inferred mineral resources. The authors additionally conclude that potential exists for the definition of a porphyry copper-gold style mineral occurrence.

Recommendations

In order to further define the known gold-silver mineralization, additional drilling is recommended on the Flex, Webber, and Orloff King zones. Further surface work followed by drilling is recommended on the GRW zone. Geophysical and geochemical exploration methodology is recommended to examine other known, but untested, areas of the Charlotte Property.

The northeast portion of the Charlotte Property should be examined by additional geologic, geochemical, and geophysical studies to determine whether a suitable porphyry copper-gold target exists. If so, then drilling is recommended to test the occurrence.

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X.0 Certificate of Authorship

John E. Hiner
Consulting Mining Geologist
Washington State Licensed Geologist #1804
9443 Axlund Road, Lynden, WA 98264
Ph (360) 318-8352
Email: jehcorp@pogozone.net

I, John E. Hiner, Licensed Geologist in the state of Washington, of 9443 Axlund Road, Lynden, Washington, 98264 do hereby certify that:

1. I am a Licensed Geologist #1804 in the State of Washington, a member of the National Board of State Boards of Geology (ASBOG).

2. I graduated with a B.Sc. degree in geology from San Diego State University, San Diego, California in 1972.

3. I obtained a M.Sc. degree in economic geology from the Mackay School of Mines, University of Nevada-Reno, Reno, Nevada in 1978.

4. As a result of my experience and qualifications I am a Qualified Person as defined in National Policy 43-101.

I have practiced my profession continuously for 36 years. This experience includes 4 years of petroleum exploration experience in the United States and the United Kingdom, 4 years of geothermal exploration experience in the United States and Mexico, and 28 years of mineral exploration experience worldwide. This experience has included all aspects of the resource industry from field exploration and project generation through management of project exploration and development to senior exploration management responsibility. I have been responsible for international and domestic project development, examination, evaluation and reporting on a variety of mineral deposit types and commodities including gold, copper, lead-zinc-silver, and phosphate.

5. I am the senior author and am responsible for the preparation of the technical report titled "Assessment Report on the 2010 Trenching and Diamond Drilling Program, Whitehorse Mining District, Yukon Territory", and dated January 31, 2011 (the "Assessment Report") relating to the Charlotte

property. I visited the Charlotte property on three occasions in April, June, and August 2010, a total of ten days.

6. I am an independent as defined by section 1.4 of National Instrument 43-101. I have no direct or indirect interest in the subject property described in this report.

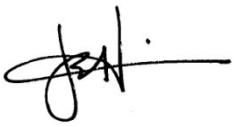
7. I acted as technical advisor to Guinness Exploration Inc., an operator at the Charlotte property during the 2010 field program, but have otherwise had no prior involvement with the property that is the subject of the Technical Report. As of the date of this certificate, to the best of the qualified person's knowledge, information and belief, the technical report contains all scientific and technical information that is required to be disclosed to make the technical report not misleading.

9. I have read National Instrument 43-101 and Form 43-101F, and the Technical Report has been prepared in compliance with that instrument and form.

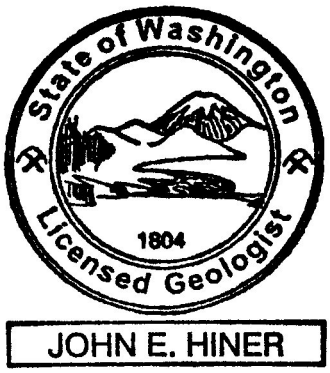
10. I consent to the filing of the Assessment Report with any stock exchange and other regulatory authority and any publication by them, including electronic publication in the public company files on their website accessible by the public, of the Assessment Report.

Dated at Lynden, Washington, this 31th day of January, 2011.

Respectfully submitted,



John E. Hiner
Qualified Person



Cameron Norton
Exploration Geologist
Coast Mountain Geological Limited
620-650 West Georgia Street, Vancouver, BC , V6B 4N9
Ph (604) 681-0209
Email: cnorton.cmg@gmail.com

I, Cameron Norton, B.Sc., of 1680-1703 Bayshore Drive, Vancouver, British Columbia, V6G 4H6 do hereby certify that:

1. I graduated with a B.Sc. degree in Earth and Ocean Sciences from the University of Victoria, in 2010.

2. I have practiced my profession continuously for 4 years. This experience includes primarily precious and base metal exploration in Yukon Territory, British Columbia, Ontario and Baffin Island.

3. I am the junior author and am, in part, responsible for the preparation of the technical report titled "Assessment Report on the 2010 Trenching and Diamond Drilling Program, Whitehorse Mining District, Yukon Territory", and dated January 31st, 2011 (the "assessmentl Report") relating to the Charlotte property. I worked on the Charlotte property on two occasions in June, and August 2010, a total of 29 days.

4. I am currently under the employ of Coast Mountain Geological.

Dated at Vancouver, BC, this 31st day of January, 2011

Respectfully submitted,



Cameron Norton

Appendix I. Statement of Costs

Table 18. Detailed Cost Statement

Categories	Comments	units	Rate	Cost	Totals
Mobilization/Demobalization					56628.51
Ground Mobilization					
Kyle Oak	Mobilizing trucks	5	350	1750	
Kevin Graber	Mobilizing trucks	4	350	1400	
Munro Pickering	Mobilizing trucks	4	350	1400	
Airfare to/from Field	Best Western, Sandman, Carmacks Hotel			23276.21	
Expenses(Meals, fuel, etc)				7929.25	
Accomodation				3876.03	
Freight	Dynamex, Greyhound, Purolator			7583.02	
Container Demob and Storage				9414	
Vehicles and Expenses					49952.75
Fuel				5592.5	
Maintenance and Repairs				4078.5	
Truck Rental	Norcan Rentals	7	134.88	944.25	
Emergency Transport Vehicle		96.25	150	14437.5	
CMG Truck Rentals	2 trucks	166	150	24900	
Field Supplies and Rentals					68824.21
Supplies				10027.06	
Communication	Canada Wide			8132.44	
Aurora Geoscience Differential GPS Survey				2314.25	
ATV Rental (x 2)		165	100	16500	
Flat Deck Trailer		86.5	50	4325	
Field Equipment Rental		506	$15/man day	7590	
Chain Saw Rental		3	$200/month	600	
5KW Generator Rental		3	$350/month	1050	
Satellite System Rental(x 2)		3	$300/month	1800	
Rock Saw Rental(x 2)		3	$350/month	2100	
Container Rental(x 2)		3.5	$500/month	3500	
Gemcom Rental		4 months	$2000/month	8000	
Maps and Plotting	Eagle Mapping			2885.46	
Camp Opperations					117032.56
Construction & Materials	Home Hardware			23423.77	
Camp Supplies	Acklands Grainger			1969.88	

Propane				1198.46	
Fuel				24231.93	
Groceries				22287.02	
Incinerator Rental				481.5	
Drum Deposit				1560	
Fire Equipment Rental		73.5	$25	1837.5	
Camp Generator Rental		79.5	$120	9540	
Kitchen, Dry Rental		73.5	$250	18375	
Tents Rental (x 11)		67.5	$15	12127.5	
Diamond Drilling					**223457.35**
Top Rank Diamond Drilling					
BW Casing		132.58m	$110/metre	14583.8	
BTW Coring.		1,323.73m	$110/metre	145610.3	
Man Field Rate		331 hrs	$50/hr	16550	
Equipment Field Rate		34hrs	$60/hr	2040	
Water Pump.		32.5 days	$100/day	3250	
Truck Rental.		19 days	$100/day	1900	
BTW 10' rod.		3	$150	450	
BTW 5' rod.		32	$88	2816	
Shipping and Taxes				9874.53	
Drill Pad Clearing(41.58 hours @ $155/hr)				8242.11	
Ranger Survey Tool Rental				2686.77	
Drill Core Assays.	Acme Labs	456	33.89	15453.84	
Trenching					**93869.04**
Excavation and Reclamation. 374.18 hrs@ $155/hr + tax				59421.2	
Excavator Mob and Demob				14757.75	
Trench Assays	Acme Labs	581	$33.89	19690.09	
Personnel					**250350**
Bernard Dewonk, Sr Geologist.	may 26-June 1, june 15	8	775	6200	
Ken McDonald, P. Geo.	Aug 9-23	15	775	11625	
Ann Kana, Sr. Geologist.	may 31-Jun 22	23	775	17825	
Hansie Mundhenk, Geologist.	May 22-June 8, June 19-21,Jul 21-Aug 13	45	$650	29250	
Hansie Mundhenk, Geologist, (Standby)	June 22-July 20	27	$500	13500	
Cam Norton, Jr. Geologist.	Jun1-15,Aug 21-Sept 3.	29	$600	17400	
Alice Paquet, Jr. Geologist	Aug 13-31	19	$600	11400	
Mike Schmidt, Jr. Geologist.	July 23-Aug 31	40	$600	24000	
Kyle Oak, Jr. Geologist.	May 26-June 22	27	$600	16200	
Munro Pickering, Safety Supervisor.	May 26-June 1	7	$550	3850	

Robert Patles, Cook/First Aid.	May 27-June 22,July 20-Aug 30	69	$525	36225	
Arriane Williams, Cook/First aid.	July 21-24	4	$525	2100	
Arriane Williams. Cook/First aid (standby rate)	Jun 22-July 20	26	$425	11050	
Kevin Graber, Camp Manager.	May 26-June 15, June 18-June 22	26	$475	12350	
Jonathan Musicco, Sr. Tech.	July 25-Sept 3	41	$475	19475	
Simon Russell, Sr. Tech.	July 19-Aug 7	20	$475	9500	
Matt Turner, Sr. Tech.	May 26-June 1	7	$450	3150	
Scott Dowler, Jr. Tech.	26 May-June 8	14	$375	5250	
Office Studies					51918.75
Project Management		5.25	775	4068.75	
reports	NI 43-101	54	650	35100	
	Assessment report	21.25	600	12750	
Project Total					912033.17

Table 19. Detailed Breakdown of Drilling per claim

Claim Block	Grant Number	Drill Hole	Hole length(m)	Drill Cost	Fuel Cost	Assay Cost	Survey Cost	Clearing Cost	Total Cost
Dome 2	73538	DDH-10-240	102.7	18,993.36	603.27	1558.82	191.11	588.72	21,935.28
Dome 2	73538	DDH-10-241	110.4	15,459.37	648.50	2067.13	205.44	588.72	18,969.16
Dome 2	73538	DDH-10-248	130.75	16,941.97	768.04	1457.16	243.31	588.72	19,999.20
Dome 2	73538	DDH-10-249	110.7	13,855.91	650.27	542.20	206.00	588.72	15,843.09
Dome 2	73538	DDH-10-250	122.53	16,037.71	719.76	1626.59	228.01	588.72	19,200.79
Dome 2	73538	DDH-10-251	133.5	17,086.76	784.20	609.97	248.43	588.72	19,318.07
Dome 2	73538	DDH-10-252	121.92	16,284.77	716.17	271.10	226.88	588.72	18,087.64
Dome 2	73538	DDH-10-253	212.75	28,553.60	1,249.72	1931.58	395.90	588.72	32,719.52
Dome 6	73542	DDH-10-242	72.54	9,766.79	426.11	881.07	134.99	588.72	11,797.68
Dome 6	73542	DDH-10-243	57.2	7,745.33	336.00	677.75	106.44	588.72	9,454.24
Dome 6	73542	DDH-10-244	71.02	9,970.49	417.18	1186.06	132.16	588.72	12,294.61
Dome 6	73542	DDH-10-245	83.2	11,003.27	488.73	745.52	154.82	588.72	12,981.06
Dome 6	73542	DDH-10-246	77.11	10,138.38	452.95	1321.61	143.49	588.72	12,645.16
Dome 6	73542	DDH-10-247	37.5	5,236.88	220.28	576.09	69.78	588.72	6,691.75

Table 20. Trenching Assessment breakdown

Trench	Total Length	Length in Claim(m)	Claim	Grant Number	Samples taken	Excavator Cost	Fuel Cost	Assay Cost	Total Spent
OK-TR10-01	126.9	126.9	Dome 53	77774	35	4082.61	800.20	1186.06	6068.86
OK-TR10-02	179.1	179.1	Dome 53	77774	62	5761.98	1129.35	2101.02	8992.35
OK-TR10-03	136.9	136.9	Dome 53	77774	39	4404.33	863.25	1321.61	6589.19
OK-TR10-04	69.5	30.8	Dome 53	77774	4	990.89	194.22	135.55	1320.66
		38.7	Dome 33	77754	5	1245.05	244.03	169.44	1658.52
OK-TR10-05	204.3	204.3	Dome 53	77774	50	6572.71	1288.26	1694.37	9555.34
OK-TR10-06	218.6	218.6	Dome 53	77774	64	7032.77	1378.43	2168.79	10579.99
OK-TR10-07	26.1	26.1	Dome 53	77774	10	839.69	164.58	338.87	1343.14
OK-TR10-08	47.9	47.9	Dome 53	77774	0	1541.03	302.04	0.00	1843.08
OK-TR10-09	67.9	67.9	Dome 53	77774	20	2184.47	428.16	677.75	3290.37
OK-TR10-10	22.6	22.6	Dome 53	77774	4	727.08	142.51	135.55	1005.14
GRW-TR10-01	160.5	160.5	Dome 42	77763	0	5163.58	1012.07	0.00	6175.65
GRW-TR10-02	188.6	188.6	Dome 42	77763	79	6067.61	1189.26	2677.10	9933.97
GRW-TR10-03	56.9	56.9	Dome 42	77763	0	1830.58	358.80	0.00	2189.37
GRW-TR10-04	117	117	Dome 42	77763	42	3764.11	737.77	1423.27	5925.14
GRW-TR10-05	141.9	89.9	Dome 42	77763	0	2892.25	566.88	0.00	3459.13
		52	Dome 41	77762	0	1672.94	327.90	0.00	2000.83
SST-TR10-03	100.1	100.1	SPOT	04361	27	3220.40	631.20	914.96	4766.56
SST-TR10-04	78.51	78.51	Dome 33	77754	0	2525.81	495.06	0.00	3020.87

WEB-TR10-01	32.3	32.3	Dome 78	81842	13	1039.15	203.67	440.54	1479.69
WEB-TR10-02	17.3	17.3	Dome 2	73538	19	556.57	109.09	643.86	1200.43
CAB-TR10-01	312.8	123.8	Dome 83	81847	43	3982.87	780.65	1457.16	5440.03
		45	Dome 84	81848	15	1447.73	283.76	508.31	1956.04
		144	Dome 4	73540	50	4632.75	908.02	1694.37	6327.11

Table 21. Total money spent per claim block

Grant Number	Claim	GPS Ground Truthing & mapping historic trenches	2010 Trenching	2010 Diamond Drilling	Indirect costs (personell, camp opperations etc)	Total
4279	War Eagle	$1,476.19			$12,135.46	$13,611.65
4361	SPOT	$1,476.19	$4,766.56		$12,135.46	$18,378.21
73537	Dome 1	$1,476.19			$12,135.46	$13,611.65
73538	Dome 2	$1,476.19	$1,309.52	$166,072.77	$12,135.46	$180,993.94
73539	Dome 3	$1,476.19			$12,135.46	$13,611.65
73540	Dome 4	$1,476.19	$7,235.14		$12,135.46	$20,846.79
73542	Dome 6	$1,476.19		$65,864.50	$12,135.46	$79,476.15
73543	Dome 7	$1,476.19			$12,135.46	$13,611.65
73700	Dome 14	$1,476.19			$12,135.46	$13,611.65
73702	Dome 16	$1,476.19			$12,135.46	$13,611.65
73703	Dome 17	$1,476.19			$12,135.46	$13,611.65
73704	Dome 18	$1,476.19			$12,135.46	$13,611.65
73705	Dome 19	$1,476.19			$12,135.46	$13,611.65
73706	Dome 20	$1,476.19			$12,135.46	$13,611.65
74283	Joanne 1	$1,476.19			$12,135.46	$13,611.65
77746	Dome 25	$1,476.19			$12,135.46	$13,611.65
77747	Dome 26	$1,476.19			$12,135.46	$13,611.65
77748	Dome 27	$1,476.19			$12,135.46	$13,611.65
77754	Dome 33	$1,476.19	$4,679.39		$12,135.46	$18,291.04
77761	Dome 40	$1,476.19			$12,135.46	$13,611.65
77762	Dome 41	$1,476.19	$2,000.83		$12,135.46	$15,612.48
77763	Dome 42	$1,476.19	$27,683.27		$12,135.46	$41,294.92
77770	Dome 49	$1,476.19			$12,135.46	$13,611.65
77772	Dome 51	$1,476.19			$12,135.46	$13,611.65
77773	Dome 52	$1,476.19			$12,135.46	$13,611.65
77774	Dome 53	$1,476.19	$50,588.11		$12,135.46	$64,199.76
81842	Dome 78	$1,476.19	$1,683.36		$12,135.46	$15,295.01
81843	Dome 79	$1,476.19			$12,135.46	$13,611.65
81844	Dome 80	$1,476.19			$12,135.46	$13,611.65
81845	Dome 81	$1,476.19			$12,135.46	$13,611.65
81847	Dome 83	$1,476.19	$6,220.68		$12,135.46	$19,832.33
81848	Dome 84	$1,476.19	$2,239.80		$12,135.46	$15,851.45
81850	Dome 86	$1,476.19			$12,135.46	$13,611.65
YA23835	HIW 15	$1,476.19			$12,135.46	$13,611.65

YA24813	HIW 1	$1,476.19	$12,135.46	$13,611.65
YA24814	HIW 2	$1,476.19	$12,135.46	$13,611.65
YA24819	HIW 7	$1,476.19	$12,135.46	$13,611.65
YA59596	DD 1	$1,476.19	$12,135.46	$13,611.65
YA87204	Ont 38	$1,476.19	$12,135.46	$13,611.65
YA87206	Ont 40	$1,476.19	$12,135.46	$13,611.65
YA87208	Ont 42	$1,476.19	$12,135.46	$13,611.65
YA92656	Ont 45	$1,476.19	$12,135.46	$13,611.65

Appendix II. 2010 Diamond Drill Logs

DDH-10-240
Cover Sheet

Hole Id: **DDH-10-240**

Property: **Charlotte Project**
Area: **Flex Zone**
Client: **Nantawa Resources**

Logged By: **H. Mundhenk**
Date Logged: **27-28 July 10**

COAST MOUNTAIN GEOLOGICAL LTD.

Collar Location:
Actual:

Datum:	NAD83 Zone 8		
Easting:	386673mE	Azimuth:	78
Northing:	6381952mN	Dip:	-50
Elevation:		Length:	102.70m

** Collar location shifted slightly from proposed to be on level ground, az changed to fit collar

Proposed:

Easting:		Azimuth:	78
Northing:		Dip:	-50
Elevation:		Length:	

Survey Type: **Ranger Single Shot**

Distance	Azi	Dip	Accept

Drilling Information:

Contractor:	**Top Rank**
Core Diameter:	**ETW**
Start Date:	**July 20th/10**
End Date:	**July 25th/10**
Casing In:	**No**
Casing Capped:	**No**
Units:	**Metric**

Hole Objective:
Twin of DDH-98-103

Hole Summary: Hole Collared into very fine grained, moderately foliated amphibolite with occasional cross-cutting quartz stingers (barren). A fault zone containing a variety of clay and, lim and kaolanite alteration occurred from 55.05m-81.40m. Within this zone is where the targeted mineralized veins were intercepted. From 70.65-72.95 an intensely silicified zone containing strong kaolainte and montmorillonite alteration, along with large regions of intense gouge. This zone contained trace scorodite along fractures. This then graded into a quartz-clay zone whereby the core contained brecciated sulphides up to 10cm wide, and up to 10% in abundance. The first mineralized vein was intercepted from 78.80-79.30m and contained Smokey quartz with moderate clay and kaolanite alteration along with 5% blebbed pyrite. Following this vein the hole transitioned into coarse grained quartz-feldspar porphyry. This porphyry unit became altered at 89.90-90.85m and exhibited quartz and scorodite within the matrix. Locally this unit contained quartz-sulphide breccias along with up to 8% pyrite, arsenopyrite, and garnet at 90.53m. Two final vein zones occurred again within the quartz-feldspar-porphyry unit, from 94.75-94.85m and 97.15-97.40m and were comprised of Smokey quartz with up to 0.5% pyrite. The bottom most vein contained scorodite along with a bladed hydrothermal texture along the hanging wall.

Lithology Summary

From	To	Lith	Comment
0.00	8.25	OB	
8.25	17.85	AMP	
17.85	19.85	GRD	
19.85	21.60	AMP	
21.60	23.50	QFP	
23.50	27.55	AMP	
27.55	43.20	GN	
43.20	43.75	GRD	
43.75	50.80	AMP	
50.80	51.30	GN	
51.30	78.80	FZ	
78.80	93.50	QFP	
93.50	94.55	FLT	
94.55	102.70	QFP	

Hole	DDH-10-240				
Logged By:	H. Mundhenk				
Primary	Secondary		Lith Code	Lithology	Description
To	From	To			
8.25			OB	Overburden	
17.85			AMP	Amphibolite	Vfg amp w/ mod fol. Wk-mod ser of fls xts (PR assemblage). Abundant (~15%) vfg bi. Int fracturing and mod lim on fractures. Few qtz leucosome following foln up to 1 cm wide. Ba qtz vts following and x-cutting foln at 16.35m and 16.80m.
	14.05	14.35	GRD	Aplite Dyke	Pale green, wk foln. Int sil and mod ser (PH assemblage) accompany 0.1% vfg d py.
	15.40	15.45	GRD	Aplite Dyke	Following foliation. No obvious igneous texture, fls-qtz fich w/ small wisps of chl and reddish-brown mineral, possibly orthoclase.
19.85			GRD	Aplite Dyke	Light orange-white, mg relict igneous texture of qtz-fls overprinted by intense sili. Moderate shearing gives wk foln or micro-fx locally.
21.60			AMP	Amphibolite	Vfg amp w/ mod fol. Wk-mod ser of fls xts (PR assemblage). Abundant (~15%) vfg bi. Int fracturing and mod lim on fractures. Few qtz leucosome following foln up to 1 cm wide. Ba qtz vts following and x-cutting foln at 16.35m and 16.80m.
23.50			QFP	Qtz-Fls Porphry	Pale green, unfoliated. Upper contact too broken to see. Probably aplite dikelet (<10cm) between QFP dyke and host AMP on the upper contact. Lower contact has deformed AMP. Int p sil, fls xts have been replaced by qtz. Green colour likely due to str chl.
27.55			AMP	Amphibolite	Vfg amp w/ mod fol. Wk-mod ser of fls xts (PR assemblage). Abundant (~15%) vfg bi. Int fracturing and mod lim on fractures. Few qtz leucosome following foln up to 1 cm wide. Ba qtz vts following and x-cutting foln at 16.35m and 16.80m.
32.55			GN	Qtz-Fls-Chl Gneiss	Light greenish-grey, wk foln w/ qtz leucosome in wisps along foln. 0.1-0.5% vfg diss py. Sts filled w/ qtz and Mn or qtz and pyrite at various orientations. Mn in fx assoc w/ broad patches of mod pervasive lim alt. Smaller patches of wk-mod kaolinite alt. Str pervasive sil. Grades locally into quartzite.
	33.20	33.50	VN	Qtz-Mont Vein	Quartz and montmorillonite vein. Both are intermingled, but with sharp contacts and comprise aprox 50% of the vein each.
38.45			GN	Qtz-Fls-Chl Gneiss	Orangish-white to orange gneiss grading in and out of quartzite for most of the interval. Mod foln, cut by abundant quartz-lim-Mn sts and vts at random orientations. Lim alt is str-int along sts as selvages and cores. Core is surprisingly competent. 1% py in diss or weathered out as pits and vugs. Local str kao alt in broad patches.

	33.95		GO	Gouge	Orange gouge zone 1cm wide.
43.20			GN	Qtz-Fls-Chl Gneiss	Orangish-white to orange gneiss with zones of str-int kao-lim alt and pervasive mod kao-lim alt. Locally intense zones of fx healed w/qtz-lim. Coarse blobs of montmorillonite as 2% of core. Appears to have vfg hbl xts diss throughout interval.
	38.45	39.00	GRD	Aplite Dyke	Int-ext kao and lim alt aplite. Contacts are sharp.
	37.45	37.60	GRD	Aplite Dyke	Int kao and lim alt aplite. Contacts are sharp.
43.75			GRD	Aplite Dyke	Yellowish white, mg aplite. Interval is broken by brecciation at lower contact. Possible multi-phase emplacement. Few ba qtz vts and sts. Brecciation is at bottom contact and is 12 cm wide. Matrix is comprised of cly and dark sulfide.
50.80			AMP	Amphibolite	Dk gy-gn. Tinged orange where lim is moderate in patches. Mod chl alt of hbl and kao of feldspars. Cut by abundant lim sts at various orientations. Also cut by a different set of quartz sts and clots. Few bands of quartz leucosome developed parallel to mod foliation. 3cm wide qtz-lim vt. Wk pervasive lim. Py in blebs and sts associated with, but not in vt. Local bands of brittle shearing that has been indurated. Few local shear bands, <2cm wide.
	46.70	47.30	GN	Qtz-Fls-Chl Gneiss	Orangish-white to orange gneiss with zones of str-int kao-lim alt and pervasive mod kao-lim alt. Locally intense zones of fx healed w/qtz-lim. Coarse blobs of montmorillonite as 2% of core. Appears to have vfg hbl xts diss throughout interval.
51.30			GN	Qtz-Fls-Chl Gneiss	Light grey mod fol gneiss, almost quartzite. Narrow patches of pervasive lim alt associated with fractures.
54.10			FZ	Argillic Alteration	Likely gneiss. Impossible to tell. Int-ext kaolinite and montmorillonite alteration. Argillic alteration. Contians crushed quartz, could be gouge, or have gouge intervals.
55.05			FZ	Vein Zone	Intensely sil cut by criss-crossing lim filled sts. Locally str kao alt. <0.1% pyrite in vfg diss.
	54.30	54.45	FZ	Vein Zone	Extreme limonite riddled with pits and vugs. Few wisps of quartz. No relict sulfides.
59.60			FZ	Lim-Cly Alt	Crushed quartz in intense-extreme clay alteration.
	56.60	57.00	FZ	Mont-Qtz Zone	Possible gniess with all fls altered to montimorillonite with relict quartz along vague foln. Fg sized pits (w/o lim) throughout interval.
61.15			FZ	Qtz-Lim Vein Zone	Int-ext sil w/ str pervasive lim alt assoc w/ fractures. Local deep lim pitting. Fx are highly irregular and are mostly healed, some have int lim pitting. Core is relatively competent due to sil. Qtz is primarily milky.
	60.55	61.00	FZ	Lim-Qtz Vein	Similar to parent interval, but lim alt is ext. Interval is riddled w/ deep pits and vugs. No relict sulfides.
62.55			FZ	Qtz-Kao Zone	Alternating ext-sil alt and ext-kao alt. Crushed quartz often found in Kao. Has light yellow tinge.

Primary		Secondary		Lith Code	Lithology	Description
From	To	From	To			
62.55	63.90			FZ	Cly-Sil-Lim Zone	Ext-cly alt alternating w/ narrow bands of sil. Str lim alt gives core orange appearance. Likely a gouge zone. Cly often contains crushed quartz. Few smoky qtz sts ~90 tca in the smaller, more competent sil intervals.
63.90	66.30			FZ	Qtz-Cly Zone	Int-sil and mod cly alt gives competent core. Possibly gneiss, but foliation is indistinct. Cut by ba qtz or lim-qtz stringers at multiple orientations, where int core has brx appearance. 1 gouge zone 10cm wide at 64.30m containing crushed quartz.
66.30	68.00			FZ	Vein Zone	Int-sil and mod cly alt cut by multiple smoky quartz veins. Str-ext cly (Kao and Mont) and scor alt assoc w/ veins. Veins are banded or brx host rock with smoky qtz matrix. Primarily clast supported, matrix contains up to 0.5% py in diss and wisps. Larger intersections noted below.
		67.25	67.45	FZ	Qtz-Brx Vein	Host lithology comprises clasts, smoky qtz matrix. Up 0.5% py in diss and wisps. Large vugs coated in scorodite throughout interval. Wk lim assoc w/ vugs.
		67.65	67.75	FZ	Qtz-Brx Vein	Host lithology comprises clasts, smoky qtz matrix. Up 0.5% py in diss and wisps. Large vugs coated in scorodite throughout interval. Wk lim assoc w/ vugs.
68.00	70.65			FZ	Qtz-Cly Zone	Int-sil and mod cly alt gives competent core. Cly has yw tinge Possibly gneiss, but foliation is indistinct. Cut by ba qtz or qtz-py stringers at multiple orientations, where int core has brx appearance. 70.00-70.10m is zone of str green alt, possibly mont or Sn- Sulfates assoc w/ ba qtz vt. Alt zone contains trace diss py.
70.65	72.95			FZ	Qtz-Go Zone	Int sil and str kao/mont alt broken up by long intervals of gouge containing crushed quartz. Fx and breaks have tr scor.
72.95	73.50			FZ	Qtz-Cly Zone	Qtz-cly zone with two bands of sx brx. Cly alt is str-int. Core has yellow tinge. Sx bands are ~10cm wide and are broken up. Contain upto 10% sx as matrix, with qtz clasts.
73.50	74.35			FZ	Qtz-Sx Vein	Quartz-Kaolinite-Sulfide vein. Sharp upper and lower contacts. Mineralization varies from breccia matix w/ qtz clasts to large (up to1cm blebs). Sxs are dominated by py w/ lesser asp, gn and sp.
74.35	78.80			FZ	Cly-Qtz Zone	Int-ext cly/go +/- crushed qtz. Has light yellow tinge. Where not gouge and crushed quartz, appears to be equal parts clay and quartz crystals. Massive, lacks foln. Patchy wk-mod lim.
		76.95	77.85	FZ	Cly-Qtz Zone	Mod patchy lim alteration and str sil. Lim assoc with narrow (<10cm) intervals of intense fracturing. Otherwise, same as parent interval.
78.80	81.40			QFP	Qtz-Fls Porphry	Pale green to dark orange, cg qtz replacing fls xts. Dk or is lim assoc w/ lim-vuggy sts and vts. Lim is patchy and assoc w/ sts and vts. Str pervasive sil.
		78.80	79.30	VN	Qtz-Py Vein	Intermingled smoky and milky quartz w/ patches of mod lim and cly alt. 5% py in med blebs assoc w/ smoky qtz. Mod lim w/ few assoc pits.
81.40	89.90			QFP	Qtz-Fls Porphry	Cg, mod-int cly alt, locally grading to gouge w/ crushed quartz. Light yw tinge to core cut by qtz sts +/- pitting assoc w/ dark sulfide. Wk patchy lim.

89.90	90.85			QFP	Altered QFP	Qtz brx w/ vcg qtz clasts and qtz and scor matrix. Ext fx locally, mostly healed. Int-ext vugs over 5cm at 95.05. Also 10cm interval of qtz-sx brx at 90.53m. Up to 8% py, asp and gn over 10cm.
90.85	93.50			QFP	Silicified QFP	Str-int sil. Cg, extremely broken. Str bleaching.
93.50	94.55			FLT	Gouge	Gouge w/ cg crushed qtz. Just rubble. Becoming competent and ext sil in the bottom 20cm of interval.
94.55	97.75			QFP	Qtz-Fls Porphry	Dk orange or bleached white QFP. Int lim assoc w/ int fx healed w/ qtz. Large vugs with inward growing qtz xts throughout interval. Qtz sts at various orientations carry trace to 0.5% pyrite. Local
		94.75	94.85	VN	Qtz Brx Vein	Vein breccia zone w/ smoky qtz matrix and QFP clasts. Smoky quartz contains 0.1-0.5% py in diss. Vugs are intense throughout.
		97.15	97.40	VN		Banded smoky quartz vein with feldspar fragments and bands of str scorodite, wk lim and tr Sn-sulfasalts. 0.1% py in diss. Bladed hydrothermal texture present on hanginwall and in scorodite bands.
97.75	102.70			QFP	Qtz-Fls	Pale red to green cg QFP. Str-ext fx, some healed with lim. Becoming more broken at end of interval.

Hole		DDH-10-H											
Logged By:													
Interval				Lithology		Mineralization						Assay	
From	To	Width	Sample	Code	Lithology	Py%	Asp%	Gn%	Sp%	Cp%	Mnzn Style	Au(GM/T	Ag(PPM)
0.00	8.25			OB	Overburden								
8.25	17.85			AMP	Amphibolite								
17.85	19.85			GRD	Aplite Dyke	0.5					d		
19.85	21.60			AMP	Amphibolite								
21.60	23.50			QFP	Qtz-Fls Porphry								
23.50	27.55			AMP	Amphibolite								
27.55	32.55			GN	Qtz-Fls-Chl Gneiss	0.5					d		
32.55	35.55		523001	GN	Qtz-Fls-Chl Gneiss	1					d	0.014	3.5
35.55	38.45		523002	GN	Qtz-Fls-Chl Gneiss	1					d	0.009	<0.5
38.45	41.45		523003	GN	Qtz-Fls-Chl Gneiss							<0.005	<0.5
41.45	42.75		523004	GN	Qtz-Fls-Chl Gneiss							<0.005	<0.5
523005				STD PM923								5.862	85.1
42.75	43.75		523006	GRD	Aplite Dyke							<0.005	<0.5
43.75	46.70		523007	AMP	Amphibolite	0.1					b	<0.005	<0.5
46.70	49.70		523008	AMP	Amphibolite	0.1					b	<0.005	<0.5
49.70	50.80		523009	AMP	Amphibolite	0.1					b	<0.005	<0.5
50.80	51.30		523010	GN	Qtz-Fls-Chl Gneiss							<0.005	<0.5
51.30	52.30		523011	FZ	Argillic Alteration Zone							<0.005	0.6
52.30	54.10		523012	FZ	Argillic Alteration Zone							0.029	2.2
54.10	55.05		523013	FZ	Vein Zone							0.341	16.6
523014				Marble Blank								<0.005	<0.5
55.05	56.60		523015	FZ	Lim-Clv Alt Zone							0.02	8.6
56.60	59.60		523016	FZ	Lim-Clv Alt Zone							0.033	5
59.60	60.55		523017	FZ	Qtz-Lim Vein Zone							2.247	34.5
60.55	61.15		523018	FZ	Lim-Qtz Vein							0.923	34.6
523018d				Coarse reject duplicate								0.931	34.3
61.15	63.90		523019	FZ	Qtz-Kao-Lim Zone							0.13	5.9
63.90	66.30		523020	FZ	Qtz-Clv Zone							0.785	18.3
66.30	67.25		523021	FZ	Vein Zone	0.5					d.w	21.9	1247
67.25	68.00		523022	FZ	Vein Zone	0.5					d.w	2.041	184
68.00	69.19		523023	FZ	Qtz-Kao-Lim Zone							0.658	26.8
69.19	70.65		523024	FZ	Qtz-Kao-Lim Zone							0.532	51.4
523025				STD CU171								0.225	14.8
70.65	72.95		523026	FZ	Qtz-Kao-Lim Zone							0.576	13.7
72.95	73.50		523027	FZ	Qtz-Clv Zone	0.5					vts	0.637	16.5
73.50	74.35		523028	FZ	Qtz-Kao-Sx Vein	10	5	3	5		brx. b	3.092	81.6
74.35	76.95		523029	QFP	Qtz-Fls Porphry							0.679	21.5
76.95	78.80		523030	QFP	Qtz-Fls Porphry							0.567	4.5
78.80	79.30		523031	VN	Qtz-Py Vein	5					blebs	8.682	172.9
79.30	81.40		523032	QFP	Qtz-Fls Porphry							0.195	9.4
81.40	83.05		523033	QFP	Qtz-Fls Porphry	0.1					vt	0.405	7.9

DDH-10-240 Cont.

Interval				Lithology		Mineralization						Assay	
From	To	Width	Sample	Code	Lithology	Py%	Asp%	Gn%	Sp%	Cp%	Mnzn Style	Au(GM/T	Ag(PPM)
523034				DOLOMITE BLANK								<0.005	<0.5
83.05	85.00		523035	QFP	Qtz-Fls Porphry	0.1					vt	0.366	7.4
85.00	88.00		523036	QFP	Qtz-Fls Porphry	0.1					vt	2.171	50.9
88.00	89.90		523037	QFP	Qtz-Fls Porphry	0.1					vt	0.594	10.5
89.90	90.85		523038	QFP	Altered QFP	5	1	2			vt	2.211	103.6
90.85	93.50		523039	QFP	Silicified QFP							0.061	6.9
93.50	94.55		523040	FLT	Gouge and Crushed Qtz							0.111	12.9
94.55	96.00		523041	QFP	Qtz-Fls Porphry	0.5					st	0.471	41.6
523042				STD PM923								5.612	90.4
96.00	97.75		532043	QFP	Qtz-Fls Porphry	0.5					st	1.89	60
523043d				Coarse reject duplicate								1.87	58.7
97.75	99.65		523044	QFP	Silicified QFP							0.027	1.9
99.65	102.70		523045	QFP	Silicified QFP							0.104	4.1

Property: Mt. Nansen
Area. Flex Zone
Client: Nartawa Resources

Hole Id: DDH-10-241
Logged By: H. Mandhenk
Date Logged. 29-Jul-2010

COAST MOUNTAIN GEOLOGICAL LTD.

Collar Location:
Actual:

Datum:	NAD83, Zone 8		
Easting:		Azimuth:	78
Northing:		Dip:	-50
Elevation:		Length:	110.4

** Collar location shifted slightly from proposed to be on level ground, az changed to fit collar

Proposed:

Easting:	386677	Azimuth:	78
Northing:	6881897	Dip:	-50
Elevation:		Length:	

Survey Type:		Ranger Single Shot	
Distance	Azi	Dip	Accept

Drilling Information.

Contractor:	Top Rank
Core Diameter:	BTW
Start Date:	26-Jul-2010
End Date:	29-Jul-2010
Casing In:	No
Casing Capped:	No
Units:	Metric

Hole Objective.

Hole Summary:Hole collars into Quartz-feldspar-Gneiss and rapidly grades into ocalized quartzite. This hole then transitions into amphibolite from 23.75-29.80m. Following this unit, a large unit of Quartz-feldspar-chlorite Gneiss is encountered from 29.80-64.10m. Quartz-pyrite-arsenopyrite stringers cross-cut this unit at low angles throughout along with a 30cm wide quarz vein containing pyrite and aresenopyrite from 58.25-58.55m. Altered Gneiss occurs from 64.10-64.75 prior to a massive sulphide vein from 64.75-64.95. This 20cm wide vein contains coarse grained sphalerite, and medium grained pyrite, with an abundance of 30% each. The hole then encounters more Altered gneiss from 74.10-80.45m. 3% sulphides along wth smokey quartz occurs along foliation. A quartz vein containing up to 0.5% pyrite along with bands of smokey quartz occurs from 81.60-82.50m and contains up to 20% sulphides along with up to 2% garnet. Following this vein, a granodiorite Dyke was encountered from 88.15-95.10m. Below lies a silicified quartz feldspar porphyry unit.This unit then transitioned into a bleached amphibolite unit from 99.10-102.90m. The last end of the hole (108.15m-118.25m) was marked by a brecciated sulphide zone containing extensive and pervasive bleaching. This unit also contained 10% sulphides (mainly pyrite), 1-2% chalcopyrite, along with sphalerite and galena blebs.

Lithology Summary

From	To	Lith	Comment
0.00	5.48	OB	Overburden
5.48	23.75	GN	Qtz-Fls Gneiss
23.75	29.80	AMP	Amphibolite
29.80	64.10	GN	Qtz-Fls-Chl Gneiss
64.10	64.75	GN	Altered Gneiss
64.75	64.95	FZ	Sx Vein
64.95	69.50	GN	Altered Gneiss
69.50	74.10	GN	Altered Gneiss
74.10	75.00	FLT	Qtz-Go Zone
75.00	79.30	GN	Altered Gneiss
79.3	80.45	GN	Altered Gneiss
80.45	81.6	FLT	Go-Qtz Zone
81.6	81.95	FZ	Sx Vein
81.95	82.5	FZ	Qtz-Sx Vein
82.5	90.4	GRD	Granodiorite Dyke
88.15	94.4	GRD	Granodiorite Dyke
94.4	95.1	GRD	Granodiorite Dyke
95.1	99.1	QFP	Silicified QFP
99.1	102.9	AMP	Amphibolite
105.55	108.2	?	?
108.15	110.40	FZ	Bch-Sx Zone
110.4	118.3	FZ	Bch-Sx Zone

Hole Id:		DDH-10-241				
Logged By:		H. Mundhenk				
Primary Intervals		Secondary Intervals		Lith		
From	To	From	To	Code	Lithology	Description
0.00	5.48			OB	Overburden	
5.48	23.75			GN	Qtz-Fls Gneiss	Gneiss grades into quartzite locally. Mod pervasive kao alt of fls xts. Mod foln w/ thin leucosome bands developed parallel. Wk-mod patchy lim throughout interval. Sporadic quartz veinlets, barren and likely metamorphic. Few ~1m patches of int sil. Fx locally int, often filled w/ lim or Mn ox. Narrow patches of int bch, (<50cm).
		12.55	12.70	GRD	Aplite Dyke	Mg, mod pervasive lim, wk-mod pervasive cly alt.
		17.55	18.75	AMP	Amphibolite	Fg, mod foln. Str-ext fx filled w/ lim. Mod sil.
23.75	29.80			AMP	Amphibolite	Mod patchy lim and str sil obscures amp texture locally. Str-int cly alt in patches. Few qtz-py or lim sts cut core at various angles. Grades into qtz-fls gneiss for no more than 10cm. Str shearing locally parallel to foln.
		24.60	26.20	AMP	Amphibolite	Int cly alt amp. Core is very broken. 10cm wide ba bull quartz vein in middle of interval.
		27.35	27.60	GRD	Aplite Dyke	Fg, mod-str pervasive lim and wk-mod cly alt. Str fx, but aren't obvious. Filled w/ cly and lim.
29.80	64.10			GN	Qtz-Fls-Chl Gneiss	Dominantly weakly lim and mod cly altered w/ mod foln. Few broad sil zones w/ little to no lim alt and wk chl development. Few local gouge zones containing crushed quartz anyhwere from 1 cm wide to over 1 m wide. Whole interval cut by qtz-py-asp sts at low angles tca. Sx also appear sporadically in large clots or blebs. Cly-lim alt zones tend to also have Mn filled fx at high angles tca. Gneiss has feldspar augen developed locally. Gniess grades into amphibolite for a few cms locally.
		36.95	37.05	VT	Qtz-Cal-Sx Veinlet	Equal partz quatz and calcite. Sx in 1 large bleb and wisps along veinlet margins. Sx comprised of 5% asp, 3% py and 1% cp. Str malachite stains in wisps along margins of vt.
		58.25	58.55	VN	Qtz-Cly-Sx Vein	Quartz vein breccia w/ vcg qtz clasts. Matrix comprised of py and asp. Modal abundances difficult to assess because core is very broken.
64.10	64.75			GN	Altered Gneiss	Str pervaisve sil, mod patchy kao, and str patchy mont and kao alt. Relict foln present. 10% sx in diss and along foliation. Dominantly py w/ lesser asp.
64.75	64.95			FZ	Sx Vein	Massive sulfide vein. Dominated by cg sp and mg py at 30% each. Mg blebs of gn present, as well as fg blades of asp.
64.95	69.50			GN	Altered Gneiss	Str pervaisve sil and wk patchy mont str patchy and kao alt. Relict foln present. 3% sx in diss and along foliation. Dominantly py w/ lesser asp. Also smoky quartz along foln. Cut by three visible sx-qtz vts. 5cm vt at 60.20m is 50% sx w/ cg intergrown blebs of sp, py and gn at about 10% each. 20% asp in fg bladed xts intergrown w/ qtz. 67.20m vt has str wisps of mont intermingled w/ blebs of equal parts py and sp (20% sx). Vuggy qtz-py vt. 30% py in blebs. Core is very broken and few small widths have crumbled pyrite.
69.50	74.10			GN	Altered Gneiss	Patchy str sil, kao, mod lim and wk scor. Relict foln present. 3% sx in diss and along foliation. Dominantly py w/ lesser asp. Also smoky quartz along foln. Qtz-py sts at various orientations throughout.
74.10	76.00			FLT	Qtz-Go Zone	Alternating gouge, ma ba qtz and intensely cly al gneiss(?). Mod scor stains in patches.
76.00	79.30			GN	Altered Gneiss	Patchy str sil, kao, str lim and wk scor. Relict foln present. 3% sx in diss and along foliation. Dominantly py w/ lesser asp. Also smoky quartz along foln. Qtz-py sts at various orientations throughout.
79.30	80.45			GN	Altered Gneiss	Patchy wk sil, str kao, mod lim and wk scor. Relict foln present. Qtz-py sts at various orientations throughout. 2 5cm qtz-sx veinlets, str cly alt w/ smoky qtz and dark sulfide. Veinlets at 79.95 and 80.30m.

Primary Intervals		Secondary Intervals		Lith		
From	To	From	To	Code	Lithology	Description
80.45	81.60			FLT	Go-Qtz Zone	Orange gouge and crushed quartz, locally indurated and competent. Mostly broken and crumbly.
81.60	81.95			FZ	Sx Vein	Semi-massive pyrite intermingled w/ vuggy qtz. 30-60% pyrite in cg, euhedral cubes.
81.95	82.50			FZ	Qtz-Sx Vein	Banded quartz-sx vein. Bands of primarily smokey to milky quartz w/ mod lim stains and 0.5% py in diss alternate w/ up to 5cm bands of ma sx. Zone is 20% sx and dominated by py w/ 2% gn in small blebs.
82.50	90.40			GRD	Granodriorite Dyke	Mg, hypidiomorphic granular, qtz-fls-hbl. Mod lim and str bch in broad patches gives core orange or white colour. Lim alt is of hbl xts.
		87.80	88.15	GRD	Granodriorite Dyke	Same as parent but w/ str k-alt.
88.15	94.40			GRD	Granodriorite Dyke	Dk gn and white mg hypidiomorphic granular w/ 1% diss py. Patchy int cly alt. Core is very broken over these intervals. 5 cm clot of py at 93.80m
94.40	95.10			GRD	Granodriorite Dyke	Mg, hypidiomorphic granular, qtz-fls-hbl. Mod lim and str bch in broad patches gives core orange or white colour. Lim alt is of hbl xts.
95.10	99.10			QFP	Silicified QFP	Int sil, wk lim. Or colour.
						Core is very broken except where AMP is fresh/sil. Str patchy chl, mod patchy lim , str patchy bch. Qtz-py +/- lim sts at various
99.10	102.90			AMP	Amphibolite	Int bch and wk kao alt at top of interval. Grades into relatively fresh and competent amphibolite. Long patch of mod epi alt at approx centre of interval. Qtz-py sts cut interval at various orientationsn some w/ epi alt selvages. End of interval becomes mod bch w/ mod lim. Most of interval is str-int brkn.
		99.30	99.55	QFP	QFP Dyke	Mg and int bch. Upper and lower contacts are sharp at 145 and 155.
105.55	108.15					Int-ext broken, int-ext cly-go interspresed w/ int lim-cly alt qtz vein (?) material.
108.15	110.40			FZ	Bch-Sx Zone	Pervasive ext bch, wk-mod lim. Patchy go in broken sections of core. 10% sx, mostly py w/ 1-2% cp, sp and gn in blebs, stringers, laminations and masses.
110.40	118.25			FZ	Bch-Sx Zone	Pervasive ext bch, wk-mod lim. Patchy go in broken sections of core. 10% sx, mostly py w/ 1-2% cp, sp and gn in blebs, stringers, laminations and masses. Minor malachite stains assoc w/ cp. Wk patchy mont.

Hole Id:		DDH-10-241	Intervals and Attributes										
Logged By:		H. Mundhenk											
Interval				Lithology		Mineralization						Assay	
From	To	Width	Sample	Code	Lithology	Py%	Asp%	Gn%	Sp%	Cp%	Mnzn Style	Au(GM/T)	Ag (PPM)
0.00	5.48												
5.48	23.75			GN	Qtz-Fls Gneiss								
23.75	29.80			AMP	Amphibolite	1					st		
29.80	32.80		523046	GN	Qtz-Fls-Chl Gneiss	3	0.5	0.1		0.1	st,b,cl	<0.005	<0.5
32.80	35.80		523047	GN	Qtz-Fls-Chl Gneiss	3	0.5	0.1		0.1	st,b,cl	<0.005	<0.5
35.80	37.05		523048	GN	Qtz-Fls-Chl Gneiss	3	0.5	0.1		0.1	st,b,cl,vt	<0.005	<0.5
37.05	38.05		523049	GN	Qtz-Fls-Chl Gneiss	3	0.5	0.1		0.1	st,b,cl	<0.005	0.6
38.05	39.00		523050	GN	Qtz-Fls-Chl Gneiss	3	0.5	0.1		0.1	st,b,cl	0.058	0.7
39.00	42.00		523051	GN	Qtz-Fls-Chl Gneiss	3	0.5	0.1		0.1	st,b,cl	0.026	<0.5
42.00	44.00		523052	GN	Qtz-Fls-Chl Gneiss							0.084	10.9
523052d				Pulp Duplicate								0.087	10.2
44.00	45.90		523053	GN	Qtz-Fls-Chl Gneiss							0.072	2.5
45.90	48.15		523054	GN	Qtz-Fls-Chl Gneiss	3	0.5	0.1		0.1	st,b,cl	0.012	<0.5
48.15	51.15		523055	GN	Qtz-Fls-Chl Gneiss	3	0.5	0.1		0.1	st,b,cl	0.007	<0.5
51.15	54.15		523056	GN	Qtz-Fls-Chl Gneiss	3	0.5	0.1		0.1	st,b,cl	0.011	<0.5
54.15	56.15		523057	GN	Qtz-Fls-Chl Gneiss	3	0.5	0.1		0.1	st,b,cl	<0.005	<0.5
56.15	58.25		523058	GN	Qtz-Fls-Chl Gneiss							0.052	0.6
58.25	59.25		523059	GN	Qtz-Fls-Chl Gneiss							2.44	10.3
523060				DOLOMITE BLANK								<0.005	<0.5
59.25	60.70		523061	GN	Qtz-Fls-Chl Gneiss							0.009	<0.5
523062				STD CU171								0.218	14.1
60.70	62.50		523063	GN	Qtz-Fls-Chl Gneiss							0.044	<0.5
62.50	64.10		523064	GN	Qtz-Fls-Chl Gneiss	3	0.5	0.1		0.1	st,b,cl	0.022	<0.5
64.10	64.75		523065	GN	Altered Gneiss	9	1				d, l	0.505	22.6
64.75	64.95		523066	FZ	Sx Vein	30	10	20	30		m, b	22.8	2946
64.95	66.15		523067	GN	Altered Gneiss	3	1				d, l	2.172	303
66.15	67.15		523068	GN	Altered Gneiss	3	1				d, l	0.748	22.8
67.15	68.60		523069	GN	Altered Gneiss	3	1				d, l	2.555	97.4
68.60	69.50		523070	GN	Altered Gneiss	3	1				d, l	1.083	58.1
69.50	72.50		523071	GN	Altered Gneiss	3	1				d, l	0.116	4

Interval				Lithology		Mineralization						Assay	
From	To	Width	Sample	Code	Lithology	Py%	Asp%	Gn%	Sp%	Cp%	Mnzn Style	Au(GM/T)	Ag (PPM)
523072				Marble Blank								<0.005	<0.5
72.50	74.10		523073	GN	Altered Gneiss	3	1				d, l	0.061	<0.5
74.10	76.00		523074	FLT	Qtz-Go							1.091	28.3
523075				STD PM923								5.64	93.4
76.00	78.10		523076	GN	Altered Gneiss	3	1				d, l	0.339	188.4
78.10	79.30		523077	GN	Altered Gneiss	3	1				d, l	0.057	1.3
523077d				Coarse Reject Duplicate								0.057	1.1
79.30	80.45		523078	GN	Altered Gneiss	3	1				d, l	1.802	157.3
80.45	81.60		523079	FLT	Go-Qtz							0.556	22.6
81.60	81.95		523080	FZ	Sx Vein	30					semi-m	43	2027
81.95	82.50		523081	FZ	Qtz-Sx Vein	16		4			m-bands	11.6	303
82.50	83.50		523082	GRD	Granodiorite Dyke							0.36	22.4
83.50	84.75		523083	GRD	Granodiorite Dyke							0.026	<0.5
84.75	87.80		523084	GRD	Granodiorite Dyke	2					d	0.015	0.7
87.80	90.40		523085	GRD	Granodiorite Dyke							0.011	<0.5
90.40	93.90		523086	GRD	Granodiorite Dyke							0.009	<0.5
93.90	94.90		523087	GRD	Granodiorite Dyke							0.006	<0.5
94.90	95.10		523088	GRD	Granodiorite Dyke							0.007	<0.5
95.10	99.10		523089	QFP	Altered QFP							0.25	6.1
99.10	100.60		523090	AMP	Altered AMP	1					st, d	0.009	1.9
100.60	102.90		523091	AMP	Altered AMP	1					st, d	0.01	<0.5
523091d				Pulp Duplicate								0.008	0.7
102.90	105.55		523092	FLT	Fault Zone							<0.005	0.5
105.55	108.15		523093	FLT	Fault Zone							0.035	2.1
523094				Dolomite Blank								0.007	<0.5
108.15	109.10		523095	FZ	Bch-Sx Zone	8		1	1	1	b, st, l m	0.089	7.6
109.10	110.40		523096	FZ	Bch-Sx Zone	8		1	1	1	b, st, l m	0.128	7.1
110.40	111.50		523097	FZ	Bch-Sx Zone	8		1	1	1	b, st, l m	0.403	23.5
111.50	112.50		523098	FZ	Bch-Sx Zone	8		1	1	1	b, st, l m	0.145	10.2
112.50	113.85		523099	FZ	Bch-Sx Zone	8		1	1	1	b, st, l m	0.725	52.6
523100				STD CU171								0.215	14.7

DDH-10-241: Intervals and Attributes Continued.													
Lithology				lithology		Mineralization						Assay	
From	To	Width	Sample	Code	Lithology	Py%	Asp%	Gn%	Sp%	Cp%	Mnzn Style	Au(GM/T)	Ag (PPM)
113.85	115.20		523101	FZ	Bch-Sx Zone	8		1	1	1	b, st, l m	0.093	6
115.20	116.55		523102	FZ	Bch-Sx Zone	8		1	1	1	b, st, l m	0.037	1.7

Hole Id: **DDH-10-242**

Property:	**Mt. Nansen**	Logged By:	**H. Mundhenk**
Area:	**Flex Zone**	Date Logged:	**July 31st**
Client:	**Nantawa Resources**		

COAST MOUNTAIN GEOLOGICAL LTD.

Collar Location:

Actual:

Datum:	**NAD83, Zone 8**		
Easting:	**386765**	Azimuth:	**45**
Northing:	**6881755**	Dip:	**-50**
Elevation:		Length:	**72.54 m**

** Collar location shifted slightly from proposed to be on level ground, az changed to hit collar

Proposed:

Easting:		Azimuth:	
Northing:		Dip:	
Elevation:		Length:	

Survey Type:			Ranger Single Shot
Distance	Azi	Dip	Accept
0.00	045.0	-50.0	Y
29.87	046.7	-50.7	Y
72.54	048.5	-50.7	Y

Drilling Information:

Contractor:	**Top Rank**
Core Diameter:	**BTW**
Start Date:	**30-Jul-2010**
End Date:	**31-Jul-2010**
Casing In:	**No**
Casing Capped:	**No**
Units:	**Metric**

Hole Objective: To test the southern flex zone

Lithology Summary			
From	To	Lth	Comment
0	4.60	OB	Overburden
4.60	14.65	AMP	Cly Alt AMP
14.65	15.85	GN	Altered Gneiss
15.85	20.70	FZ	Vein Zone
21.50	27.50	AMP	weathered AMP
27.50	31.25	GN	Altered Gneiss
31.25	35.00	AMP	Altered AMP
35.00	36.00	FZ	Vein Zone
36.00	36.70	FZ	Vein Zone
36.70	37.15	FLT	Cly/Gg Zone
37.15	39.45	AMP	Amphibolite
39.45	62.85	GN	Qtz-Fls-Chl Gneiss
62.85	72.54	AMP	

Hole Summary:The hole collared into clay altered amphibolite. The hole then transitioned into altered Gneiss from 14.65-15.85m. Following this unit a vein zone occurred which contained minor smokey quartz along with blebs of mafic fine grained sulphides, primarily pyrite up to 10%, and up to 2% garnet. A weathered amphibolite unit was intersected from 21.5m-27.5m. Following this, an altered Gneiss was encountered(27.5-31.25m) moderate limonite alteration and up to 10% pyrite in stringers. An altered Amphibolite was then intersected from 31.25m-35m. Two mineralized veins were intersected from 36.00-36.70m and 36.70-37.15m. The first vein was a extensively broken clay altered quartz containing dark fine grained sulphides. The second vein was also broken and contained mafic sulphides and pyrite. Both contained scorodite alteration and pyrite. An extensive zone of clay alteration was found to underlie this zone from 36.70-37.15m. Following this alteration zone an amphibolite with local folding was encountered from 37.15m-39.45m. Below this unit was a Quartz-feldspar-chlorite Gneiss (39.45-62.85m) with strongly developed/localized leucosome development. Strong patchy kaolanite alteration and <0.1% disseminated pyrite was also observed. The hole finished in an Amphibolite with local intense clay alteration and moderate foliation and leucosome development.

Hole Id:		DDH-10-242				
Logged By:		H. Mundhenk				
Primary Intervals		Secondary Intervals		Lith		
From	To	From	To	Code	Lithology	Description
0.00	4.60			OB	Overburden	Not in box.
4.57	14.65			AMP	Cly Alt AMP	Int-ext cly alt AMP or crushed quartz. Intervals alternate between no primary texture and mg AMP. 10cm interval of vuggy qtz-lim, very isolated. Likely hosted in AMP, but impossible to tell.
14.65	15.85			GN	Altered Gneiss	Primary texture nearly obliterated by int cly-lim alteration. Wk relict foln locally. Slightly more competent due to slightly less cly alt.
15.85	20.70			FZ	Vein Zone	Strongly oxidized and broken locally. Alternating between qtz rich and go/crushed qtz w/ sx. Very poor recovery. Qtz rich zones are lt or qtz w/ clasts of smokey qtz and blebs or masses of weathered or dark, fine sx. Modal abundances difficult to determine due to fine nature of sx, likely ~15% locally. Go/qtz zones also contain sx. Sx appear to be primarily py, up to 10% in massive, weathered bands and 2% gn occuring w/ py.
21.50	27.50			AMP	Weathered AMP	Str alt of fls to kao, patchy mod bch and wk lim. Small patches of str sil have small fg masses of py, 2% of whole interval. Qtz-py sts at various orientations and large clots of qtz. Also, isolated patches of str-int cly alt. One patch of moderate k-alt.
27.50	31.25			GN	Altered Gneiss	Lt yw-or mod bch GN w/ up to 10% py in masses and stringers, often assoc w/ str sil.
31.25	35.00			AMP	Altered AMP	Str alt of fls to kao, patchy mod bch and mod lim. Qtz-py sts at various orientations and large clots of qtz. Also, isolated patches of str-int cly alt.
		30.50	31.25	FLT	Go-Qtz	Or gouge w/ vcg fragments of qtz w/ dk sx.
35.00	36.00			FZ	Vein Zone	Qtz-cly w/ fine, dk sx. Ext broken.
36.00	36.70			FZ	Vein Zone	Rubbly qtz w/ dk sx and py. Vein zone but too broken to say much about it. Equal parts broken quartz w/ dk sx, cly/scor and py.
36.70	37.15			FLT	Cly/Go Zone	Ext cly alt.
37.15	39.45			AMP	Amphibolite	Green AMP, local intense cly alt. Mod foln, mod development of leucosome. Local folding.
39.45	62.85			GN	Qtz-Fls-Chl Gneiss	Lt gy w/ patchy wk lim alt w/ assoc vugs. Str leucosome development locally, also local folding. Muscovite development strong locally. Str patchy k-alt. <0.1% py in diss.
		41.65	45.95	AMP	Amphibolite	Green AMP, local intense cly alt. Mod foln, mod development of leucosome. Local folding.
62.85	72.54			AMP	Cly Alt Amphibolite	No data recorded, inferred from intervals tab

Hole Id:		DDH-10-242	Intervals and Attributes										
Logged By:		H. Mundhenk											
Interval				Lithology		Mineralization						Assay	
From	To	Width	Sample	Code	Lithology	Py%	Asp%	Gn%	Sp%	Cp%	Mnzn Style	Au(GM/T)	Ag(PPM)
0.00	5.50			OB	Overburden								
5.50	8.55		523104	AMP	Cly Alt AMP							0.03	1.4
8.55	11.60		523105	AMP	Cly Alt AMP							0.032	0.9
11.60	12.55		523106	AMP	Cly Alt AMP							0.019	1.3
12.55	15.85		523107	AMP	Cly Alt AMP							0.059	3.1
523107d				Coarse Reject Duplicate								0.058	2.9
15.85	17.95		523108	FZ	Vein Zone	10		2				9.729	337
17.95	18.35		523109	FZ	Vein Zone	10		2				0.478	5.8
18.35	19.40		523110	FZ	Vein Zone	10		2				0.86	21.3
19.40	20.70		523111	FZ	Vein Zone	10		2				15.8	157.3
20.70	21.50		523112	FZ	Vein Zone	10		2				8.252	103.8
523113				Marble Blank								0.028	<0.5
21.50	23.75		523114	AMP	Weathered AMP	2					b	0.112	2.8
23.75	26.80		523115	AMP	Weathered AMP	2					b	0.024	1.2
26.80	27.50		523116	AMP	Weathered AMP	2					b	0.033	6.2
27.50	29.25		523117	GN	Altered Gneiss	10					b	0.103	1.6
523118				STM PM 923								5.568	86.8
29.25	30.25		523119	GN	Altered Gneiss	10					b	0.194	1.8
30.25	31.25		523120	GN	Altered Gneiss	10					b	0.13	1.7
31.25	32.25		523121	AMP	Weathered AMP	2					st	0.11	4.4
32.25	33.25		523122	AMP	Weathered AMP	2					st	0.038	<0.5
33.25	35.00		523123	AMP	Weathered AMP	2					st	0.058	0.6
35.00	36.00		523124	FZ	Vein Zone	2					d	0.371	6.7
36.00	36.70		523125	FZ	Vein Zone	5					d,m	3.563	58.8
36.70	37.15		523126	FLT	Cly-Go Zone							0.041	1.5
37.15	39.45		523127	AMP	Amphibolite							0.017	<0.5
39.45	41.65		523128	GN	Qtz-Fls-Chl Gneiss	0.1					d	0.196	0.6
41.65	62.85			GN	Qtz-Fls-Chl Gneiss	0.1					d		
62.85	70.35			AMP	Cly Alt AMP								
70.35	72.54			AMP	Cly Alt AMP								

Hole Id: **DDH-10-243**

Property:	**Mt. Nansen**	Logged By:	**H. Mundhenk**
Area:	**Flex Zone**	Date Logged:	**August 1st, 2010**
Client:	**Nantawa Resources**		

COAST MOUNTAIN GEOLOGICAL LTD.

Collar Location:

Actual:

Datum:	**NAD83, Zone 8**		
Easting:		Azimuth:	**45**
Northing:		Dip:	**-50**
Elevation:		Length:	**57.2**

** Collar location shifted slightly from proposed to be on level ground, az changed to fit collar

Proposed:

Easting:	396902	Azimuth:	
Northing:	6991669	Dip:	
Elevation:		Length:	

Survey Type:		Ranger Single Shot	
Distance	Azi	Dip	Accept
0.00	045.0	-50.0	Y
15.85	046.4	-50.2	Y
29.87	046.7	50.3	Y
51.21	045.4	50.2	Y

Drilling Information:

Contractor:	**Top Rank**
Core Diameter:	**BTW**
Start Date:	**31-Jul-2010**
End Date:	**2-Aug-2010**
Casing In:	**No**
Casing Capped:	**No**
Units:	**Metric**

Hole Objective:

Hole Summary:The hole collared into dark green Amphibolite (9.15-19.45m). Crosscutting this unit was a fault comprised of extreme clay altered gouge from 19.45-22.40m. The amphibolite unit continued below this fault until 28.35m. This unit then transitioned into a massive fault zone until 50.60m. From 28.35-30.90m a gouged quartz vein which contained masses of fine grained sulphides grading to pervasive limonite alteration occurred. This then transitioned to a faulted Amphibolite unit from 31.40-32.80m. A scorodite altered vein containing local masses of mafic fine grained sulphides was then intercepted from 32.80-33.5m and also exhibited strong to extreme montmorillonte alteration. A second gouged vein occurred from 34.65-42.05m and contained quartz with moderate scorodite and hematite alteration along fractures along with 5-10% fine grained mafic sulphides. Towards the bottom of this unit, scorodite stains begin to appear along with up to 10% mafic sulphides. This grades into strong/patchy kaolanite and montmorillonite altered gouge with 10-20% coarse cubic pyrite from 45.05-48.35m. Following this, a Phyllic altered gouged amphibolite unit was intersected from 48.35-50.60m. The hole finished in competent moderately foliated amphibolite (50.60-57.20m) with minor leucosome development and occasional quartz-pyrite stringers and veinlets.

Lithology Summary			
From	To	Lith	Comment
0	009.2	OB	Overburden
9.15	19.45	AMP	Amphibolite
19.45	22.40	FLT	Go-Cly Fault Zone
22.40	28.35	AMP	Amphibolite
28.35	30.90	FZ	Qtz-Lim-Go Vein
30.90	31.40	FZ	Qtz-Lim-Scor Vein
31.40	32.80	FZ	Go-Cly Fault Zone
32.80	33.25	FZ	Qtz-Cly Vein
33.25	34.65	FZ	Cly Alt Rubble
34.65	42.05	FZ	Qtz-Scor-Go Vein
42.05	43.6	FZ	Cly Alt Rubble
43.6	45.05	FZ	Cly Alt Rubble
45.05	46.45	FZ	Qtz-Sx Vein Rubble
46.45	48.35	FZ	Qtz-Sx Vein Rubble
48.35	50.6	FZ	AMP-Go Rubble
50.6	57.2	AMP	Amphibolite

Hole Id:		DDH-10-243				
Logged By:		H. Mundhenk				
Primary Intervals		Secondary Intervals		Lith		
From	To	From	To	Code	Lithology	Description
0.00	9.15			OB	Overburden	Casing, not in box.
9.15	19.45			AMP	Amphibolite	Dk gn AMP w/ rare leucosome development. Few folds locally. Very broken w/ mod lim stains on breakage surfaces at top of interval. Becomes more competent and less oxidized by 14.75m. Rare qtz-py sts, vts or clots +/- lim pits. Mod foln.
19.45	22.40			FLT	Go-Cly Fault Zone	Extreme gouge or clay. Primary textures have been obliterated.
22.40	28.35			AMP	Amphibolite	Dk gn AMP w/ rare leucosome development. Few folds locally. Very broken w/ mod lim stains on breakage surfaces. Rare qtz-py sts, vts or clots +/- lim pits. Mod foln.
28.35	30.90			FZ	Qtz-Lim-Go Vein	Qtz vein cut by lim or go shears. Lim rich shears have int pitting/vugs. Few isoloated masses of fine sx, up to 1 cm in diameter. Gives way to orange go/cly approximately half way through the interval.
30.90	31.40			FZ	Qtz-Lim-Scor Vein	Qtz-Lim-Scor vein. Lim and scor are str and very pitted/vuggy. Large clots of smokey quartz and clay present. Sulfides have been weathered out.
31.40	32.80			FZ	Go-Cly Fault Zone	Go-Cly w/ fragments of int lim and str sil and mont altered AMP.
32.80	33.25			FZ	Qtz-Cly Vein	Str-ext mont, str-int sil. Local masses of dk sx. Very broken. Wk scor throughout interval.
33.25	34.65			FZ	Cly Alt Rubble	Int sil, kao and str mont in fragments. Likely altered amphibolite.
34.65	42.05			FZ	Qtz-Scor-Go Vein	Interval starts w/ str yw and gy go zone. Moves into qtz vein fragments w/ mod scor and hem stains on breakages. Local patches of mont alt. Qtz vein fragments show about 5-10% dk sx.
42.05	43.60			FZ	Cly Alt Rubble	Int, sil, kao and str mont in fragments. Likely altered amphibolite.
43.60	45.05			FZ	Cly Alt Rubble	Int kao and str mont. Likely altered amphibolite. Small amount vein material w/ str scor stains and 10% dk sx.
45.05	46.45			FZ	Qtz-Sx Vein Rubble	Str patchy kao and mont w/ abundant 10-20% py in coarse cubic masses and mod hem as coatings. Core is very broken and rubbly. Few vugs
46.45	48.35			FZ	Qtz-Sx Vein Rubble	Str patchy kao and mont w/ abundant 10-20% py in coarse cubic masses and mod hem as coatings. Core is very broken and rubbly. Interval begins w/ gouge.
48.35	50.60			FZ	AMP-Go Rubble	Fragments of bch AMP (?) intermixed w/ orange go. Fragments show mod kao alt, str ser and mod sil. Phyllic alteration.
50.60	57.20			AMP	Amphibolite	Dk gn AMP w/ rare leucosome development. Few folds locally. Very broken w/ mod lim stains on breakage surfaces at top of interval. Becomes more competent and less oxidized by 14.75m. Rare qtz-py sts, vts or clots +/- lim pits. Mod foln.

Hole Id:		DDH-10-243												
Logged By:		H. Mundhenk												
Interval				Lithology		Mineralization							Assay	
From	To	Width	Sample	Code	Lithology	Py%	Asp%	Gn%	Sp%	Cp%	FSx%	Mnzn Style	Au(GM/T)	Ag(PPM)
0.00	9.15			OB	Overburden									
9.15	19.46			AMP	Amphibolite	0.5						st,vt,c		
19.45	22.40		523129	FLT	Cly-Go Zone								2.573	14
523130				Dolomite Blank									<0.005	<0.5
22.40	28.35		523131	AMP	Amphibolite	0.5						st,vt,c	<0.005	<0.5
28.35	30.90		523132	FZ	Qtz-Lim-Go Vein						3	t	14	22.8
523132d				Pulverizer Split Duplicate									13.9	22.9
30.90	31.40		523133	FZ	Qtz-Lim-Scor Vein								14.1	58
31.40	32.80		523134	FZ	Go-Cly Fault Zone								0.254	15.1
32.80	33.25		523135	FZ	Qtz-Scor-Go Vein								2.06	22.7
33.25	34.65		523136	FZ	Cly Alt Rubble								6.576	298
34.65	37.50		523137	FZ	Qtz-Scor-Go Vein						5-10	t	3.637	108.6
523138				STD PM432									1.967	1.3
37.50	40.55		523139	FZ	Qtz-Scor-Go Vein						5-10	t	14.3	55.5
40.55	42.05		523140	FZ	Qtz-Scor-Go Vein						5-10	t	0.694	12
42.05	43.60		523141	FZ	Cly Alt Rubble								0.232	2.9
43.60	45.05		523142	FZ	Cly Alt Rubble								0.321	43.1
45.05	46.05		523143	FZ	Qtz-Sx Vein Rubble	10-20						m,z	2.425	55.7
46.05	48.35		523144	FZ	Qtz-Sx Vein Rubble	10-20						m,z	11.8	1215
523145				Marble Blank									0.009	4.6
48.35	50.60		523146	FZ	AMP-Go Rubble								0.284	8.8
50.60	51.20		523147	AMP	Oxidized AMP								0.009	1.2
51.20	57.20			AMP	Amphibolite	0.5						st,vt,c		

Hole Id: **DDH-10-244**

Property:	Mt. Nansen	Logged By:	H. Murdhenk
Area:	Flex Zone	Date Logged:	1-Aug-2010
Client:	Nantawa Resources		

COAST MOUNTAIN GEOLOGICAL LTD.

Collar Location:

Actual:

Datum:	NAD83, Zone 8		
Easting:		Azimuth:	45
Northing:		Dip:	-50
Elevation:		Length:	

* Collar location shifted slightly from proposed to be on level ground, az changed to fit collar

Proposed:

Easting:	386823	Azimuth:	
Northing:	6881648	Dip:	
Elevation:		Length:	71.02

Survey Type:	Ranger Single Shot		
Distance	Azi	Dip	Accept
0.00	045.0	-50.0	Y
64.92	045.9	-51.7	Y

Drilling Information:

Contractor:	Top Rank
Core Diameter:	BTW
Start Date:	1-Aug-2010
End Date:	2-Aug-2010
Casing In:	No
Casing Capped:	No
Units:	Metric

Hole Objective:

Hole Summary: The hole collared into strongly silicified/intensely broken amphibolite with moderate bleaching and overprinting before intersecting a clay altered fault zone from 8.00-25.55m. This zone contained a quartz vein from 14.55-15.75m with fine grained masses of mafic sulphides along with 5% arsenopyrite. A similar vein was again intersected from 19.20-20.75m which also contained massed of fine grained mafic sulphides along with limonite alteration along fractures. Following this fault zone, the core transitioned into strongly foliated amphibolite(25.55-49.50) with moderate leucosome development parallel to foliation. This unit was cross-cut by faults at 30.00-31.50m, 38.50-42.05m, 43.60-46.65m, and 48.10-49.50m which contained limonite altered gouge. Following this, a Gneissic unit was encountered with varying degrees of alteration. From 49.50-52.15m a limonite altered Gneiss occurred with relict foliation with moderate leucosome development. At 53.30-64.90m Quartz-feldspar-muscovite Gneiss was cored with moderate hematite and limonite alteration, strong leucosome development along with localized kaolinite alteration. The hole finished in altered Gneiss from 66.85-71.02m.

Lithology Summary

From	To	Lith	Comment
0.00	5.30	OVB	
5.30	8.00	AMP	Broken Amphibolite
8.00	12.20	FLT	Go Qy FLTZone
12.20	14.55	FLT	Go-Qy FLTZone
14.55	15.75	FZ	Qtz Vein
15.75	19.20	FLT	Go Qtz Zone
19.20	20.75	FZ	Qtz Vein
20.75	23.15	FLT	Go Zone
23.15	25.55	FLT	Go Zone
25.55	28.00	AMP	Amphibolite
28.00	30.00	AMP	Amphibolite
30.00	31.50	FLT	Gouge Zone
31.50	38.50	AMP	Amphibolite
38.50	42.05	FLT	Gouge Zone
42.05	43.60	FZ	Mixed Alteration Zone
43.60	46.65	FZ	Gouge Zone
46.65	48.10	FZ	Qtz-Go Vein
48.10	49.50	FZ	Gouge Zone
49.50	52.15	GN	LimAlt Gneiss
52.15	53.30	GN	Sil Alt Gneiss
53.30	64.00	GN	Qtz-Fls-Musc Gneiss
64.90	71.02	GN	

Hole Id:		DDH-10-244				
Logged By:		H. Mundhenk				
Primary Intervals		Secondary Intervals		Lith		
From	To	From	To	Code	Lithology	Description
0.00	5.30			OVB	Overburden	
5.30	8.00			AMP	Broken Amphibolite	Int broken. Str lim as coats on breakage, mod bch and str sil in few fragments,closer to gouge zone below. Str foln where visible.
8.00	12.20			FLT	Go-Cly FLT Zone	Yw-Or go or cly. Few vcg qtz fragments.
12.20	14.55			FLT	Go-Cly FLT Zone	Yw-Or go or cly. Few vcg qtz fragments.
14.55	15.75			FZ	Qtz Vein	Qtz vein fragments intermingled w/ orange go. Vein frags are milky qtz w/ masses of fg dk sx. One 3cm long frag contains 5% mg asp in bladed masses. Fragments have mod, deep red lim on breakages.
15.75	19.20			FLT	Go-Qtz Zone	Yw-Or-Wh go w/ crushed qtz fragments.
19.20	20.75			FZ	Qtz Vein	Qtz vein fragments intermingled w/ orange go. Vein frags are milky qtz w/ masses of fg dk sx. Fragments have mod, deep red lim on breakages.
20.75	23.15			FLT	Go Zone	Or go w/ rare AMP fragments.
23.15	25.55			FLT	Go Zone	Or go w/ rare AMP fragments.
25.55	28.00			AMP	Amphibolite	Dk gn-or AMP. Intensely-extremely broken w/ wk-mod lim on breakage surfaces. Str fol w/ mod leucosome development along foln.
28.00	30.00			AMP	Amphibolite	Dk gn-or AMP. Intensely-extremely broken w/ wk-mod lim on breakage surfaces. Str fol w/ mod leucosome development along foln.
30.00	31.50			FLT	Gouge Zone	Or go w/ rare AMP fragments. Has no shape, whatsoever.
31.50	38.50			AMP	Amphibolite	Dk gn-or AMP. Intensely-extremely broken w/ wk-mod lim on breakage surfaces. Str fol w/ mod leucosome development along foln.
38.50	42.05			FLT	Gouge Zone	Or gouge zone.
42.05	43.60			FZ	Mixed Alteration Zone	Lt yw-gn AMP alteration zone. Str sil and mont give the core green tinge. Relict foln exists, but is weak. Cut by abundant sts filled w/ yw-or lim. Competent sections of ~15cm alternate w/ wh-yw go.
43.60	46.65			FZ	Gouge Zone	Lt Or-Yw-Wh gouge zone. Contains fragments of crushed quartz.
46.65	48.10			FZ	Qtz-Go Vein	Interval starts w/ int broken qtz vein material contianing 5-10% dk sx. Sx has small vugs/pits. Also intermingled w/ bands of cly. Gives way toward end of interval to yw gouge. Sx appear in sts, but too broken for orientations.
48.10	49.50			FZ	Gouge Zone	Yw-or gouge.
49.50	52.15			GN	Lim Alt Gneiss	Relict foliation and texture obscured by str lim. Dk or w/ mod foln. Mod leucosome development.
52.15	53.30			GN	Sil Alt Gneiss	Str sil, bch and kao pervasive through interval. Strongly broken w/ mod scor on breakages. Up to 2% dk vfg sx along foln in laminations. Wk local lim gives core orange hue. Kao to int in patches.
53.30	64.90			GN	Qtz-Fls-Musc Gneiss	Mod alternating patchy hem, lim, sil and bch give core variable appearance. Can be pink, yellow, or grey. Musc up to cg along foln. Str leucosome development. Core is relatively competent, moderately broken. Few vuggy qtz +/- py sts along foln. str local kao alt.
64.90	66.85			GN	Sil Alt Gneiss	Data missing, inferred from intervals tab.
66.85	71.02			GN	Alt Gniess	Data missing, inferred from intervals tab.

Hole Id:		DDH-10-244												
Logged By:		H. Mundhenk												
Interval				Lithology		Mineralization							Assay	
From	To	Width	Sample	Code	Lithology	Py%	Asp%	Gn%	Sp%	Cp%	FSx%	Mnzn Style	Au(GM/T)	Ag(PPM)
5.30	8.00		523148	AMP	Broken Amphibolite								0.09	2.2
8.00	12.20		523149	FLT	Go-Cly FLT Zone								0.325	10.3
523149d				Crusher Split Duplicate									0.336	9.6
12.20	14.55		523150	FLT	Go-Cly FLT Zone								1.135	46.2
14.55	15.75		523151	FZ	Qtz Vein		1				10	z	4.368	193
15.75	19.20		523152	FLT	Go-Qtz Zone								2.455	39.8
19.20	20.75		523153	FZ	Qtz Vein						5	z	1.538	46.1
20.75	23.15		523154	FLT	Go Zone								0.355	25.2
523155				STD CU171									0.202	14.4
23.15	25.55		523156	FLT	Go Zone								0.084	2.5
25.55	28.00		523157	AMP	Amphibolite								0.027	1.3
28.00	30.00		523158	AMP	Amphibolite								0.01	2.2
30.00	31.50		523159	FLT	Gouge Zone								0.023	10.2
31.50	33.20		523160	AMP	Amphibolite								<0.005	4.2
33.20	34.45		523161	AMP	Amphibolite								0.005	<0.5
34.45	37.50		523162	AMP	Amphibolite								<0.005	<0.5
37.50	38.50		523163	AMP	Amphibolite								<0.005	<0.5
38.50	42.05		523164	FLT	Go Zone								0.351	122.5
42.05	43.60		523165	FZ	Mixed Alteration Zone								0.368	6
43.60	46.65		523166	FZ	Go Zone								0.404	3.4
523167				Dolomite Blank									0.006	<0.5
46.65	48.10		523168	FZ	Qtz-Go Vein						5-10	P, st	0.262	9.8
48.10	49.50		523169	FZ	Gouge Zone								0.179	3.2
49.50	52.15		523170	GN	Lim Alt Gneiss								0.021	0.7
52.15	53.30		523171	GN	Sil Alt Gneiss						2	l	0.136	4
53.30	55.80		523172	GN	Altered Gniess	.5						st	0.005	<0.5
523172d				Pulverizer Split Duplicate									0.007	<0.5
55.80	58.85		523173	GN	Altered Gniess	.5						st	0.01	<0.5
58.85	61.85		523174	GN	Altered Gniess	.5						st	0.027	<0.5
61.85	63.40		523175	GN	Altered Gniess	.5						st	0.012	<0.5

Interval				Lithology		Mineralization							Assay	
From	To	Width	Sample	Code	Lithology	Py%	Asp%	Gn%	Sp%	Cp%	FSx%	Mnzn Style	Au(GM/T)	Ag(PPM)
63.40	64.90		523176	GN	Altered Gniess	.5						st	0.287	0.8
64.90	65.60		523177	GN	Sil Alt Gneiss						2	l	0.192	1
65.60	66.85		523178	GN	Sil Alt Gneiss						2	l	0.018	<0.5
523179				STD PM432									2.063	0.9
66.85	67.95		523180	GN	Altered Gniess	.5						st	0.005	<0.5
67.95	71.02			GN	Altered Gniess	.5						st		

Hole Id: **DDH-10-245**

Property: **Mt. Nansen**
Area: **Flex Zone**
Client: **Nantawa Resources**

Logged By: **H. Mundhenk**
Date Logged: **3-Aug-2010**

COAST MOUNTAIN GEOLOGICAL LTD.

Collar Location:

Actual:

Datum:	NAD83, Zone 8		
Easting:		Azimuth:	45
Northing:		Dip:	-60
Elevation:		Length:	83.2

* Collar location shifted slightly from proposed to be on level ground, as changed to fit collar

Proposed:

Easting:	396836	Azimuth:	
Northing:	6981629	Dip:	
Elevation:		Length:	

Survey Type: Ranger Single Shot

Distance	Azi	Dip	Accept
No Survey Data-Acid test failed to etch glass			

Drilling Information:

Contractor:	Top Rank
Core Diameter:	BTW
Start Date:	2-Aug-2010
End Date:	3-Aug-2010
Casing In:	No
Casing Capped:	No
Units:	Metric

Hole Objective:

Lithology Summary

From	To	Lith	Comment
0.00	4.57	OB	Overburden
4.57	31.50	AMP(?)	Cly Alt AMP
31.50	45.65	AMP	Lim Alt AMP
45.65	57.00	GN	Qtz-Fls-Musc GN
57.00	68.25	GN	Qtz-Fls Gneiss
68.25	83.20	GN	Qtz-Fls-Musc GN

Hole Summary: The hole collared into heavily altered and overprinted amphibolite (4.57-45.65m) with alteration ranging between clay and limonite with moderate sericite. Occasional intervals of gouge with crushed quartz were noted. The hole then transitioned into quartz-feldspar-Gneiss with strong leucosome development and quartz stringers occurring parallel to foliation at 65TCA. This unit also exhibited strong montmorillonite alteration along with up to 1% pyrite and localized massed of fine grained mafic sulphides. Intense silicification and hematite alteration of this Gneiss occurred from 57.40-58.80m. Within the Gneiss a mineralized, sub-horizontal TCA smokey quartz vein was intercepted from 61.85-62.35 unit. This vein contained pyrite blebs (up to 10% in concentration) along with dark mafic sulphides and scorodite alteration. Following this vein, the hole finished in a Quartz-feldspar-muscovite Gneiss(68.25-83.20m) with strong leucosome development and patchy limonite alteration. Within this unit, a fault-gouge zone occurred from 77.60-78.95m which exhibited very coarse grained muscovite alteration and 5% pyrite.

Hole Id:		DDH-10-245				
Logged By:		H. Mundhenk				
Primary Intervals		Secondary Intervals		Lith		
From	To	From	To	Code	Lithology	Description
0.00	4.57			OB	Overburden	Not in box.
4.57	31.50			AMP(?)	Cly Alt AMP	Ext cly alt amphibolite (?). Primary fabric obliterated in most places. Few intervals of wk cly alt amp, up to 30cm long. Comprise about 5% of interval. Varies from dark orange to orangish green. Some intervals show gouge w/ crushed quartz, but are limited to ~2% of interval.
31.50	45.65			AMP	Lim Alt AMP	Mod lim alt, locally str pervasive, but primarily as coatings on breakage. Core is mod-str broken. Str fol. Not a true AMP b/c of fg bi. Bi is mod ser alt. Becomes mg fls porphryoblastic at 44.50m. Few qtz+/-py-lim sts along or sub-parallel to foliation, 110^0-115º.
45.65	57.00			GN	Qtz-Fls-Musc GN	Or-wh gneiss. Str leucosome development and up to cg muscovite (primary or secondary?). Mod patchy lim alt. Local mg fls porphryoblasts. Vuggy qtz sts parallel-subparallel to foln. Vugs often coated w/ lim, few sts w/ up to 1% dk sx in bands. Fewer lim sts cross-cutting foln at 65^0 tca.
57.00	68.25			GN	Qtz-Fls Gneiss	Str pervasive mont alt. Mod foln. Mod green colour. Local wk ser alt. Vuggy qtz sts parallel-subparallel to foln. Vugs often coated w/ lim, few sts w/ up to 1% dk sx in bands. Fewer lim sts cross-cutting foln at irregular orientations, locally intense. Gneiss is locally pitted w/ no assoc lim alt. One irregular qtz clots within 10 cm of hangingwall of vein structure. Contains 1% py and dk sx in a single mass. Deeply pitted qtz vt w/ wk hem stains.
		57.40	57.55	GN	Int Sil Gneiss	Gy sil gniess w/ int vuggy sts coated by hem stains. Sts mostly parallel foln, few irregular.
		58.20	58.30	GN	Int Sil Gneiss	Gy sil gniess w/ int vuggy sts coated by hem stains. Sts mostly parallel foln, few irregular.
		58.60	58.80	GN	Qtz-Fls Gneiss	Same as parent interval but w/ mod pervasive lim.
		61.85	62.35	FZ	Qtz-Sx Vein	Smoky qtz-sx vein. 1-3mm py blebs up to 10%. One large pitted mass of hematite at start of interval. Multi-phase vein. First lower contact is sharp and heavily pitted, dk sx w/ scor. Second lower contact is also sharp. Lower phase of vein is split between milky quartz and smoky qtz and py, w/ the contact running sub-parallel tca. Lower phase is part is 20cm wide.
68.25	83.20			GN	Qtz-Fls-Musc GN	Or-wh gneiss. Str leucosome development and up to cg muscovite (primary or secondary?). Mod patchy lim alt. Local mg fls porphryoblasts. Vuggy qtz sts parallel-subparallel to foln. Vugs often coated w/ lim, few sts w/ up to 1% py in bands. Fewer lim sts cross-cutting foln at 55^0 tca.
		77.60	78.95	FLT	Go-GN Zone	Indurated gouge w/ clasts of angular to sub-rounded gneiss. Varieis from matrix supported to clast supported. Gouge has int assoc vcg musc alt. 5% py in lams and blebs. Dk vfg in lam along hanging wall contact.
		78.95	80.75	GN	Sil Alt Gneiss	Str-int sil alt, str musc alt. 2% py in masses and blebs. Relict foln locally. Mod scor on some breakages.

Hole Id:		DDH-10-245												
Logged By:		H. Mundhenk												
Interval				Lithology		Mineralization							Assay	
From	To	Width	Sample	Code	Lithology	Py%	Asp%	Gn%	Sp%	Cp%	FSx%	Mnzn Style	Au(GM/T)	Ag(PPM)
0.00	4.57			OB	Overburden									
4.57	31.50			AMP(?)	Cly Alt AMP									
31.50	44.65			AMP	Lim Alt AMP	0.1						st		
44.65	45.65		523181	AMP	Lim Alt AMP	0.1						st	<0.005	<0.5
45.65	47.70		523182	GN	Qtz-Fls-Musc GN						0.1	st	0.012	<0.5
47.70	49.70		523183	GN	Qtz-Fls-Musc GN						0.1	st	0.007	<0.5
49.70	52.75		523184	GN	Qtz-Fls-Musc GN						0.1	st	0.007	<0.5
52.75	55.80		523185	GN	Qtz-Fls-Musc GN						0.1	st	0.005	<0.5
55.80	57.00		523186	GN	Qtz-Fls-Musc GN						0.1	st	<0.005	<0.5
57.00	58.80		523187	GN	Qtz-Fls Gneiss						1	st	1.341	9.2
58.80	61.85		523188	GN	Qtz-Fls Gneiss						1	st	>10.000	18.1
61.85	62.35		523189	FZ	Qtz-Sx Vein	10						b	1.661	>200.0
523190				Marble Blank									0.045	2.1
62.35	64.35		523191	GN	Qtz-Fls Gneiss						1	st	0.076	3.8
64.35	65.20		523192	GN	Qtz-Fls Gneiss						1	st	0.01	<0.5
65.20	66.45		523193	GN	Qtz-Fls Gneiss						1	st	0.007	0.7
66.45	69.50		523194	GN	Qtz-Fls Gneiss						1	st	0.008	<0.5
69.50	72.55		523195	GN	Qtz-Fls-Musc GN	0.1						st	0.037	<0.5
523195d				Crusher Split Duplicate									0.044	<0.5
72.55	75.60		523196	GN	Qtz-Fls-Musc GN	0.1						st	0.023	<0.5

Hole Id: **DDH-10-246**

Property:	**Mt. Nansen**
Area:	**Flex Zone**
Client:	**Nantawa Resources**
Logged By:	**H. Mundhenk**
Date Logged:	**5-Aug-2010**

COAST MOUNTAIN GEOLOGICAL LTD.

Collar Location:

Actual:

Datum:	**NAD83, Zone 8**		
Easting:		Azimuth:	**78**
Northing:		Dip:	**-50**
Elevation:		Length:	**77.11**

** Collar location shifted slightly from proposed to be on level ground, az changed to fit collar

Proposed:

Easting:	**386886**	Azimuth:	
Northing:	**6881539**	Dip:	
Elevation:		Length:	

Survey Type:			Ranger Single Shot
Distance	Azi	Dip	Accept

Drilling Information:

Contractor:	**Top Rank**
Core Diameter:	**BTW**
Start Date:	**3-Aug-2010**
End Date:	**4-Aug-2010**
Casing In:	**No**
Casing Capped:	**No**
Units:	**Metric**

Hole Objective:

Hole Summary: The hole collared into Quartz-feldspar-Gneiss(2.35-14.25m) which contained strong silicification, moderate limonite alteration and localized zones of quartzite. The hole then transitioned into extensively clay altered amphibolite (14.25-18.60m) with strong to intense clay alteration. Following this unit, a clay altered Gneiss was encountered from 20.85-23.85m. This unit contained strong clay alteration/ limonite coating fracture surfaces, along with being weak to moderately competent. Down hole, this unit transitioned to a Gneiss from 20.05-38.80m with alteration assemblages changing from clay to quartz-feldspar from 20.85-23.85, and 26.30-38.50m respectively. This unit then transitioned into moderately fractured, altered Gneiss(39.25-59.70m) following a fault from 38.80-39.25m. This altered Gneiss contained localized zones of strong silicification and bleaching along with 1% fine grained mafic sulphides. Below this Gneiss was a zone of highly fractured/cobbled smokey quartz fragments(71.00-77.00m) with up to 3% fine grained mafic sulphides and 1% disseminated pyrite. These fragments tended to be coated with honey brown clay. Unfortunately, the rods got stuck in the hole at a depth of 77.11m and the hole had to be abandoned prior to reaching the target depth.

Lithology Summary			
From	To	Lith	Comment
0.00	2.35	**OB**	Overburden
2.35	14.25	**GN**	Qtz-Fls GN
14.25	18.60	**AMP**	Ext Cly Alt AMP
18.60	20.85	**FLT**	Go-Crushed Qtz
20.85	23.85	**GN**	Cly Alt GN
23.85	26.30	**FLT**	Cly Rubble
26.30	29.60	**GN**	Qtz-Fls GN
29.60	34.90	**FLT**	Cly Rubble
34.90	37.50	**GN**	Qtz-Fls GN
37.50	38.80	**GN**	Qtz-Fls GN
38.80	39.25	**FLT**	Qtz-Go
39.25	59.70	**GN**	Altered Gniess
59.70	68.30	**GN**	Qtz-Fls GN
68.30	71.00	**VN?**	Qtz-Py
71.00	74.05	**VN?**	Qtz-Py-Cly
74.05	74.75	**CLY**	Cly-Py
74.75	75.60	**VN?**	Qtz-Py-Cly
75.60	76.25	**CLY**	Cly-Py
76.25	77.11	**VN?**	Qtz-Py-Cly

Hole Id:		DDH-10-246		
Logged By:		H. Mundhenk		
Primary Intervals		Lith		
From	To	Code	Lithology	Description
0.00	2.35	OB	Overburden	Not in box.
2.35	14.25	GN	Qtz-Fls GN	Pebble to cobble sized fragments of str sil and mod lim alt qtz-fls gneiss to qtzite. Lim as coatings on breakage surfaces. Breakage
14.25	18.60	AMP	Ext Cly Alt AMP	Dk or cly w/ fragments of str-int cly alt AMP.
18.60	20.85	FLT	Go-Crushed Qtz	Lt or-yw cly alt. Sand to pebble sized crushed quartz fragments indicate gouge.
20.85	23.85	GN	Cly Alt GN	Lt or-yw str-int cly alt GN. Core is extremely broken, basically rubble. Mod lim as coatings on breakage.
23.85	26.30	FLT	Cly Rubble	Or-yw cly rubble.
26.30	29.60	GN	Qtz-Fls GN	Lt gy to wh fragments of GN w/ str sil and vugs and wk lim coats intermixed w/ lt or cly rubble.
29.60	34.90	FLT	Cly Rubble	Or-yw cly rubble.
34.90	37.50	GN	Qtz-Fls GN	Lt gy to wh fragments of GN w/ str sil and vugs and wk lim coats intermixed w/ lt or cly rubble.
37.50	38.80	GN	Qtz-Fls GN	Lt gy to wh fragments of GN w/ str sil and vugs and wk lim coats intermixed w/ lt or cly rubble.
38.80	39.25	FLT	Qtz-Go	Lt yw go w/ crushed qtz up to pebble size. One piece of competent vein material w/ 2% dk sx and few vugs. Qtz material throughout is milky opaque. Lt yw colour from wk scor?
39.25	59.70	GN	Altered Gniess	Ext broken. Few intervals of str sil and bch, give core wh-gy colour. Appears to be 1% dk sx in diss is sil/bch GN. Rest of interval is even more broken, str-ext cly alt, med gn colour. Very difficult to determine parent rock. Few narrow, discontinuous intervals of crushed quartz in gouge. Rare wk hem coats on breakage associated w/ indurate go-qtz zones.
59.70	68.30	GN	Qtz-Fls GN	Lt or, mod pervasive lim alt. Wk broken, getting more competent toward the end of the interval. Str foln w/ 5% py in thin laminations sub parallel to foln. Mod sil and wk chl assoc w/ lams. Few lim-qtz sts at low angles tca cross cut lamination. Wk kao alt of fls.
68.30	71.00	VN?	Qtz-Py	Pebbles of milky to smokey quartz w/ up to 10% py in diss.
71.00	74.05	VN?	Qtz-Py-Cly	Smoky qtz frags coated w/ brown clay. 3% dk sx and 1% py in diss and masses. No fragment longer than 5cm.
74.05	74.75	CLY	Cly-Py	Grey clay containing 0.1% vfg py in diss.
74.75	75.60	VN?	Qtz-Py-Cly	Smoky qtz frags coated w/ brown clay. 3% dk sx and 1% py in diss and masses. No fragment longer than 5cm.
75.60	76.25	CLY	Cly-Py	Grey clay containing 0.1% vfg py in diss.
76.25	77.11	VN?	Qtz-Py-Cly	Smoky qtz frags coated w/ brown clay. 3% dk sx and 1% py in diss and masses. No fragment longer than 5cm.

Hole		DDH-10-246													
Logged By:		H. Mundhenk													
Interval				Lithology		Mineralization							Assay		
From	To	Width	Sample	Code	Lithology	Py%	Asp%	Gn	Sp%	Cp%	ESx%	Mnzn Style	Ag(GM/	Au(GM/	Ag(PPM
0.00	2.45			OB	Overburden										
2.45	5.50		523202	GN	Qtz-Fls GN									0.09	1.3
5.50	8.55		523203	GN	Qtz-Fls GN									0.849	11.2
8.55	11.60		523204	GN	Qtz-Fls GN									0.136	1.3
11.60	13.10		523205	GN	Qtz-Fls GN									0.162	3.7
13.10	14.25		523206	GN	Qtz-Fls GN									0.149	2.1
14.25	16.15		523207	AMP	Ext Clv Alt AMP									0.038	3
523207d				Pulverizer Split Duplicate										0.033	3
16.15	18.60		523208	AMP	Ext Clv Alt AMP									0.01	0.7
18.60	20.85		523209	FLT	Go-Crushed Qtz									0.008	1.9
20.85	23.95		523210	GN	Clv Alt GN									0.02	1.1
23.95	26.30		523211	FLT	Clv Rubble									0.045	3.4
523212				Dolomite Blank										<0.005	0.5
26.30	28.35		523213	GN	Qtz-Fls GN									0.946	17
28.35	29.60		523214	GN	Qtz-Fls GN									0.616	5.8
29.60	32.90		523215	FLT	Clv Rubble									0.293	6.4
32.90	34.90		523216	FLT	Clv Rubble									0.044	3.8
34.90	37.50		523217	GN	Qtz-Fls GN									0.171	5.9
37.50	38.80		523218	GN	Qtz-Fls GN									2.895	3.1
38.80	39.25		523219	FLT	Qtz-Go						2	d		5.675	7.4
39.25	42.05		523220	GN	Qtz-Fls GN						1	d	242	0.229	>200.0
42.05	45.10		523221	GN	Qtz-Fls GN						1	d		0.069	2.9
45.10	46.65		523222	GN	Qtz-Fls GN						1	d		0.149	1
523223				STD CU171										0.221	15.3
46.65	49.70		523224	GN	Qtz-Fls GN						1	d		0.081	1.9
49.70	52.75		523225	GN	Qtz-Fls GN						1	d		0.129	1.7
52.75	55.80		523226	GN	Qtz-Fls GN						1	d		0.069	0.7
55.80	57.30		523227	GN	Qtz-Fls GN						1	d		0.104	0.6
57.30	59.70		523228	GN	Qtz-Fls GN						1	d		0.032	0.9
59.70	62.85		523229	GN	Qtz-Fls GN	5						l		0.009	0.9
62.85	64.90		523230	GN	Qtz-Fls GN	5						l		0.005	0.6
64.90	66.45		523231	GN	Qtz-Fls GN	5						l		<0.005	0.7
66.45	68.30		523232	GN	Qtz-Fls GN	5						l		<0.005	0.8
68.30	71.00		523233	VN?	Qtz-Py	10						d		0.014	1.1
71.00	74.05		523234	VN?	Qtz-Py-Clv	1					1	d,z		0.057	5.2
74.05	74.75		523235	CLY	Clv-Py	0.1						d		0.121	3.6
74.75	75.60		523236	VN?	Qtz-Py-Clv	1					1	d,z		0.128	11.2
75.60	76.25		523237	CLY	Clv-Py									0.091	4.1
523238				Marble Blank										<0.005	<0.5
76.25	77.11		52323	VN?	Qtz-Py-Clv	1					1	d,z		0.016	8.7

Hole Id: **DDH-10-247**

Property:	**Mt. Nansen**
Area:	**Flex Zone**
Client:	**Nantawa Resources**
Logged By:	**H. Mundhenk**
Date Logged:	**4-Aug-2010**

COAST MOUNTAIN GEOLOGICAL LTD.

Collar Location:

Actual:

Datum:	**NAD83, Zone 8**		
Easting:		Azimuth:	**78**
Northing:		Dip:	**-50**
Elevation:		Length:	**37.5**

** Collar location shifted slightly from proposed to be on level ground, az changed to fit collar

Proposed:

Easting:	386852	Azimuth:	
Northing:	6881552	Dip:	
Elevation:		Length:	

Survey Type:		**Ranger Single Shot**	
Distance	Azi	Dip	Accept

Drilling Information:

Contractor:	**Top Rank**
Core Diameter:	**BTW**
Start Date:	**4-Aug-2010**
End Date:	**5-Aug-2010**
Casing In:	**No**
Casing Capped:	**No**
Units:	**Metric**

Hole Objective:

Lithology Summary

From	To	Lith	Comment
0	6.4	**OB**	Overburden
6.4	11.4	**GN**	Qtz-Fls Gneiss
11.4	11.7	**AMP**	Amphibolite
11.7	16.65	**GN**	Qtz-Fls Gneiss
16.65	17.65	**FLT**	Gouge Zone
17.65	22.2	**GN**	Qtz-Fls Gneiss
22.2	23.5	**GN**	Lim-Cly Alt GN
23.5	26.3	**GN**	Cly Alt GN
26.3	28	**CLY**	Clay Alt Zone
28	33.25	**AMP**	Altered AMP
33.25	37.5	**GN**	Lim-Cly Alt GN

Hole Summary: The hole collared into a moderately foliated quartz-feldspar-Gneiss which locally gradeded into quartzite. This unit contained weak kaolanite and localized (moderate) sericite alteration along low angle quartz-limonite stringers. This Gneiss then graded to amphibolite locally from 11.40-11.70m with weak limonite alteration along with moderate foliation before grading back into unaltered quartz-feldspar-Gneiss(11.70-22.20m). Intense clay and Limonite alteration along with manganese coats along cleavage began to occur from 23.50-28.00m.This alteration increased in intensity whereby the core graded into amphibolite from 33.25-37.50m. Similar to the previous unit, the amphibolite also contained strong limonite and intense clay alteration. Unfortunately, at a depth of 37.50 the rods became stuck, and the hole had to be abandoned prior to reaching the targeted depth.

Hole Id:		DDH-10-247				
Logged By:		H. Mundhenk				
Primary Intervals		Secondary Intervals		Lith		
From	To	From	To	Code	Lithology	Description
0.00	6.40			OB	Overburden	Mud and rock fragments.
6.40	11.40			GN	Qtz-Fls Gneiss	Lt gy w/ or tinge locally. Grades into qtzite locally. Mod foln, wk kao alt of fls. Patchy wk lim gives orange hue. Mod abundant vuggy lim sts along fol. Qtz-lim sts w/o vugs at low angles tca. Local mod ser development.
11.40	11.70			AMP	Amphibolite	Dk gn w/ wk lim. Mod foln.
11.70	16.65			GN	Qtz-Fls Gneiss	Lt gy w/ or tinge locally. Grades into qtzite locally. Mod foln, wk kao alt of fls. Patchy wk lim gives orange hue. Mod abundant vuggy lim sts along fol. Qtz-lim sts w/o vugs at low angles tca. Local mod ser development. Becomes int broken
16.65	17.65			FLT	Gouge Zone	Or-wh go containing few 1-3cm angular clasts of GN. Go also contains few specs of bright red hem(?) alt.
17.65	22.20			GN	Qtz-Fls Gneiss	Lt gy w/ or tinge locally. Grades into qtzite locally. Mod foln, wk kao alt of fls. Patchy wk lim gives orange hue. Mod abundant vuggy lim sts along fol. Qtz-lim sts w/o vugs at low angles tca. Local mod ser development. Str broken
22.20	23.50			GN	Lim-Cly Alt GN	Str lim and int cly alt dk or GN. Rubbly and broken.
23.50	26.30			GN	Cly Alt GN	Gy qtz-fls GN. Int-ext broken. Int cly, mod lim and Mn coats on breakage
		25.05	25.40	GN	Mn Alt Gn	Ext Mn ox on breakage.
26.30	28.00			CLY	Clay Alt Zone	Int-ext or and wh cly alt.
28.00	33.25			AMP	Altered AMP	Ext broken. Dk gn and lt or. Str bch and lim alt at either end of interval. Core of interval is dk gn, w/ wk lim as coats on breakage.
33.25	37.50			GN	Lim-Cly Alt GN	Str lim and int cly alt, yw-or colour. Rubbly and broken.
		35.15	35.45	GO	Go-Qtz Zone	Pebble size fragments of crushed qtz in go.

DDH-10-247: Intervals and Attributes

Hole		DDH-10-247												
Logged By:		H. Mundhenk												
Interval				Lithology		Mineralization							Assay	
From	To	Width	Sample	Code	Lithology	Py%	Asp%	Gn%	Sp%	Cp%	FSx%	Mnzn Style	Au(GM/T	Ag(PPM)
0.00	6.40			OB	Overburden									
6.40	11.40			GN	Qtz-Fls Gneiss									
11.40	11.70			AMP	Amphibolite									
11.70	14.20		523240	GN	Qtz-Fls Gneiss								0.007	<0.5
523240d				Crusher Split Duplicate									<0.005	<0.5
14.20	16.65		523241	GN	Qtz-Fls Gneiss								0.007	2.2
16.65	17.65		523242	FLT	Gouge Zone								0.166	2.6
17.65	22.20		523243	GN	Qtz-Fls Gneiss								0.114	1.6
22.20	23.50		523244	GN	Lim-Cly Alt GN								0.07	1.7
523245				STD CU171									0.212	15.6
23.50	25.05		523246	GN	Cly Alt GN								0.007	<0.5
25.05	26.30		523247	GN	Cly Alt GN								<0.005	<0.5
26.30	28.00		523248	CLY	Cly Alt Zone								0.422	3
28.00	29.90		523249	AMP	Altered AMP								0.032	<0.5
29.90	31.40		523250	AMP	Altered AMP								0.011	<0.5
31.40	33.25		523251	AMP	Altered AMP								0.005	<0.5
523251d				Pulverizer Split Duplicate									<0.005	<0.5
33.25	35.45		523252	GN	Lim-Cly Alt GN								0.038	1
523253				Dolmite Blank									<0.005	<0.5
35.45	37.50		523254	GN	Lim-Cly Alt GN								<0.005	<0.5

Hole Id: **DDH-10-248**

Property:	Mt. Nansen	Logged By:	H. Mundhenk
Area:	Flex Zone	Date Logged:	8-Aug-2010
Client:	Nantawa Resources		

COAST MOUNTAIN GEOLOGICAL LTD.

Collar Location:

Actual:

Datum:	NAD83, Zone 8		
Easting:		Azimuth:	70
Northing:		Dip:	-65
Elevation:		Length:	130.75

** Collar location shifted slightly from proposed to be on level ground, az changed to fit collar

Proposed:

Easting:	386673	Azimuth:	
Northing:	6881952	Dip:	
Elevation:		Length:	

Survey Type:			Ranger Single Shot
Distance	Azi	Dip	Accept

Drilling Information:

Contractor:	Top Rank
Core Diameter:	BTW
Start Date:	7-Aug-2010
End Date:	9 Aug 2010
Casing In:	No
Casing Capped:	No
Units:	Metric

Hole Objective:

Lithology Summary			
From	To	Lith	Comment
0.00	7.00	OB	
7.00	28.15	AMP	
28.15	42.25	GN	
42.25	45.05	AMP	
45.05	51.55	GN	
46.00	47.45	FLT	
51.55	53.50	AMP	
53.50	80.20	GN	
80.20	81.65	AMP	
81.65	83.30	GN	
83.30	84.00	FLT	
84.00	115.65	FZ	
115.65	121.40	QFP	
121.40	123.40	FLT	
123.40	124.35	QFP	
124.35	127.75	AMP	
127.75	130.75	QFP	

Hole Summary: quartz-feldspar-Gneiss and amphibolite were the dominant lithologies from 0-83.30m. The first vein zone occurred within the altered Gneiss from 84.00-87.45m and was predominantly comprised of smokey quartz with up to 10% very fine grained disseminated pyrite. A brecciated, scoridite bearing, smokey quartz vein with up to 5% pyrite and 5% sphalerite occurred from 85.85-86.70. Following this, a massive sulphide bearing vein was intercepted from 85.85m-86.70m which contained up to 20% arsenopyrite (blebs), 5% galena, and 50% pyrite(massive/matrix). A second brecciated, pyrite bearing smokey quartz vein occurred from 87.20-87.45m with up to 10% blebbed pyrite and hematite filled vugs. Following this vein zone, the core transitioned into quartz-feldspar-porphyry (87.45-90.80m). The most prominent cross-cutting veins occurred from 87.80-87.90m and 91.80-91.90m. The first vein contained up to 5% pyrite, and 3% arsenopyrite with vuggy quartz and strong kaolanite alteration. The second quartz vein contained massive pyrite (20%). Following this zone, the remainder of the hole was characterized by alternating quartz-feldspar-porphyry and amphibolite. Both units contained extensive zones of fault gouge and fault effected core. Within this gouge, a black sulphide vein occurred with 30% pyrite and 20% galena from 112.65-114.25m. The hole finished in silicified quartz-feldspar porphyry from 127.75-130.75m.

Hole Id:		DDH-10-248			
Logged By:		H. Mundhenk			
Primary Intervals		Secondary		Lith	
From	To	From	To		
0.00	7.00			OB	Overburden
7.00	28.15			AMP	Amphibolite
		8.55	10.00	QFP	Sil Alt QFP
		10.25	10.65	QFP	Sil Alt QFP
		23.95	24.10	?	Med Green Sil
28.15	38.00			GN	Qtz-Fls Gneiss
38.00	42.25			GN	Qtz-Fls Gneiss
42.25	45.05			AMP	Amphibolite
45.05	51.55			GN	Cly Alt GN
46.80	47.45			FLT	Fault Zone
51.55	53.50			AMP	Amphibolite
53.50	67.85			GN	Bch Gniess
		54.50	55.78	FLT	Gouge Zone
		60.25	61.10	FLT	Gouge Zone
		62.60	65.10	FLT	Go-Qtz Zone
67.85	74.50			GN	Bch Gniess
74.50	80.20			GN	Bch Gniess
80.20	81.65			AMP	Amphibolite
81.65	83.30			GN	Altered Gniess

Description
Dk gn, mod-str foln. Local bi and leucosome development. Vfg-fg. Patches of up to str cly and lim alt up to 1.5m long. Few irregular qtz sts w/ str sil in narrow (<1cm)
Lt gn w/ or tinge from lim alt. Int sil has mostly obliterated qtz-fls phenocrysts, but vague, relict xts remain. Abundant lim sts at 1-2cm intervals have wk assoc lim alt selvages and wk locally dendritic Mn stains. Fx perpendicular to lim sts contain wk chl.
Lt or tinge w/ green tinge. Int sil has mostly obliterated qtz-fls phenocrysts, but vague, relict xts remain. Abundant lim sts at 1-2cm intervals have mod assoc lim alt selvages and str dendritic Mn stains. Fx perpendicular to lim sts contain wk chl. Possible trace py in vfg diss.
Int sil alt, massive and textureless. Fx at 30^{o} and 110^{o}, not filled. Sharp contacts at 110^{0} and 60^{0} (upper and lower).
Str bch, lt gy to wh. Mod foln w/ pervasive mod-str lim alt gives orange tinge. Cut by abundant barren qtz clots and sts at random, irregular orientation. Sts often have str lim and Mn ox along selvages. Some of qtz sts are leucosome. Mod to str kao alt of fls xts.
Str bch, lt gy to wh. Mod foln, str patchy lim assoc w/ fx. Str sil locally. Fx are mod tight. Limited Mn ox assoc w/ fx. Cut by abundant barren qtz +/- mont clots and sts at random, irregular orientations. Some of qtz sts are leucosome.
Dk gn, mod foln. Mod lim tapering down interval to nil. Tends to be assoc w/ tight fx sets which also taper off down interval. Str leucosome development locally. Also irregular qtz clots and sts throughout interval. Thin sts tend to carry lim.
Yw-or str-int cly and lim alt qtz-fls GN. Lim is focused around fractures and on breakage while kao is in broad patches. Relict foln locally. Irregular barren qtz clots throughout interval. Local patchy wk mont.
Orange gouge w/ large milled clasts of barren qtz. Str lim staining is pervasive.
Dk gn, mod foln. Mod lim which tends to be assoc w/ sts. Str leucosome development locally. Also irregular qtz clots t interval. Thin sts tend to carry lim and have py blebs (~1%).
White, int bch. Wk-mod pervasive kao alt. Numerous qtz sts and clots at high angles tca. Clots also often contain str mont. Str lim assoc w/ sts and in on 15cm patch.
Orange and yellow gouge zone. 1 large fragment of qtz cut by abundant qtz sts.
Or and yw gouge. Indurated at the ends of the interval.
Host bch gneiss cut at by a fault w/ clast supported crushed qtz and go running subparallel tca.
White, int bch. Mod-int pervasive kao alt. Numerous qtz sts and clots at high angles tca. Clots also often contain str mont. Wk lim on breakage. Core is rubbly
White to yellow, int bch. Mod-str pervasive kao alt. Wk lim in narrow patches.
Dk gn, mod foln. Wk lim which tends to be assoc w/ sts. Also irregular qtz clots t interval. Thin sts tend to carry lim and have py blebs (~1%).
Lt orange, mod pervasive lim. Wk foln, obliterated locally by str bch and mod kao alt. 5% pyrite in blebs, laminations and disseminations. One vuggy qtz-lim st at

83.30	84.00			FLT	Fault Zone	Crushed fragments of previously described interval in yellow and orange gouge.
84.00	87.45			FZ	Vein Zone	Variably mineralized vein zone. See sub-intervals.
		84.00	84.20	FZ	Qtz-Py Vein	Milky and smoky qtz intermingled. 1% vfg diss py. Few small vugs, 1 fx filled w/ yw clay.
		84.20	84.35	FZ	Qtz-Py Vein	Smokey qtz intermingled w/ much less milky qtz. Milky qtz appear to be clasts w/ vague boundaries due to fluid consumption. 10% py in blebs and disseminations. Few fx, but healed w/ sil.
		84.35	84.50	FZ	Fault Zone	Crushed fragments of previously described interval in yellow gouge. Interval is clast supported.

Primary Intervals		Secondary		Lith		Description
From	To	From	To	Code	Lithology	
		84.50	85.00	FZ	Qtz-Py Brx Vein	Clasts of previously described altered gneiss (81.65-83.20m) in smokey, py rich matrix. Brx varies from clast supported crackle brx to matrix supported milled clasts
		85.00	85.45	GN	Bch QFP	White, int bch. Wk-mod pervasive sil alt. Wk lim assoc w/ fx. Few qtz sts at low angles tca. 1% py in diss.
		85.45	85.85	FZ	Qtz-Py Brx Vein	Clasts of previously described altered gneiss (81.65-83.20m) in smokey, py rich matrix. Brx varies from clast supported crackle brx to matrix supported milled clasts
		85.85	86.70	FZ	Sx-Qtz Vein	Interval begins w/ ~10cm of massive sx. 20% asp, 5% gn and 50% py. Asp and sp occurs as distinct blebs while pyrite is massive as matrix. Massive sx lens gives
		86.70	87.20	FZ	Bch Gneiss	White, int bch. Wk-mod pervasive sil alt. Cut by sx rich sts at irregular orientations. Sts are smokey qtz w/ 20% pyrite in blebs and diss. Some are vuggy. Sts occupy
		87.20	87.45	FZ	Qtz-Py Brx Vein	Milky qtz clasts and smoky qtz matrix. Clast supported, smokey qtz matrix has 10% pyrite in large blebs. Mod large vugs, some w/ hem stains. Clasts are up to 3cm across.
87.45	90.80			FZ	Altered QFP	Str-int cly alt and bch. Few relict cg fls phenocrysts. Patchy wk lim and/or k-alt. Core has fluid flushed, dog's breakfast appearance. Cut by abundant smokey qtz-py sts. Also one large clot of vuggy qtz-py at 90.50m. 1% fg diss py throughout interval. Wk, very small, isolated patches of green mont alt.
		87.80	87.90	FZ	Qtz-Sx-Clv VT	5% py and 3% asp in masses. Qtz fringed vugs and str kao alt. Has indistinct contacts.
90.80	92.90			FZ	Qtz-Go Zone	Crushed smokey qtz in white gouge. Few 1-3cm masses of pyrite, total 3% through interval. Few vfg xts (0.5%) py diss through interval.
		91.80	91.90	FZ	Qtz-Py VT	20% semi-massive pyite in quartz. Has indistinct boundaries.
92.90	93.85			FZ	Altered Gneiss	Lt pk patchy mod k-alt. 15% fsx in blebs and laminations. Abundant irregular qtz clots and qtz-py sts. Mod patchy kao alt. Wk relict foln. Wk patchy lim.
93.85	95.80			FZ	Bch Gneiss	Wh int bch, mod kao alt and wk sil. 2% py as diss throughout interval. Wk mont, few irreg py sts.

95.80	100.05			FZ	Altered Gneiss	Lt pk patchy mod k-alt. 15% fsx in blebs and laminations. Abundant irregular qtz clots and qtz-py sts. Mod patchy kao alt. Wk relict foln.
100.05	101.40			FZ	Cly/Go Alt Zone	Str-int kao alt. Intermittent go zones w/ crushed GN. Int local shearing w/ associated py. Py in lams and diss, 10% througout interval. Local mod mont. Looks like the"dog's breakfast." Friable massive py veinlet occupies last 10cm of interval.
101.40	107.85			FZ	Cly Alt Zone	Wh int-ext kao alt alternating w/ gouge and sand-pebble sized crushed quartz. Core is very broken. 0.1% diss py throughout interval. One mass of py at 104.20m, difficult to determine size and % due to poor quality core. Wk hem stains locally.
107.85	112.65			FZ	Cly Alt Zone	Wh and yw int-ext cly alt w/ str scor stains on breakage.
		110.15	110.65	FZ	Cly Alt Zone	Same as primary, but w/ str hem stains on breakage.
112.65	114.25			FZ	Sx-Qtz Vein	Black sx vein. Rubbly, 60% py, 20% gn. Semi-massive to massive.
114.25	115.65			FZ	Cly Alt Zone	Yw to or, mod lim alt gouge w/ sand to pebble sized crushed qtz fragments. Core is int broken.
115.65	121.40			QFP	Sil Alt QFP	Or int sil alt cg QFP. Locally int vugs.
121.40	122.85			FLT	Go-Qtz Zone	Or, str lim alt gouge w/ sand to pebble sized crushed qtz fragments. Core is ext broken.
122.85	123.40			FLT	Go-Qtz Zone	Wh to yw gouge w/ crushed qtz fragments from sand to cobble size.
123.40	124.35			QFP	Sil Alt QFP	Lt gy int sil alt cg QFP.
124.35	127.75			AMP	Amphibolite	Dk to med green, mod fol. Local str sil w/ assoc 0.5% diss py.
127.75	130.75			QFP	Sil Alt QFP	Or int sil alt cg QFP. Locally int vugs.

Hole Id:		DDH-10-248													
Logged By:		H. Mundhenk													
Interval				Lithology		Mineralization							Assay		
From	To	Width	Sample	Code	Lithology	Py%	Asp%	Gn%	Sp%	Cp%	FSx%	Mnzn Style	Au(GM/T)	Ag(PPM)	Ag(GM/T)
0.00	7.00			OB	Overburden										
7.00	28.15			AMP	Amphibolite										
28.15	38.00			GN	Qtz-Fls Gneiss										
38.00	42.25			GN	Qtz-Fls Gneiss										
42.25	45.05			AMP	Amphibolite										
45.05	51.55			GN	Cly Alt GN										
51.55	53.50			AMP	Amphibolite										
53.50	65.40			GN	Bleached Gneiss										
65.40	67.85		523255	GN	Bleached Gneiss								0.09	4.7	
67.85	71.00		523256	GN	Bch-Cly Alt Gneiss								0.078	7.6	
523257				STD CU171									0.204	14.4	
71.00	74.05		523258	GN	Bch-Cly Alt Gneiss								0.032	3.5	
74.05	74.50		523259	GN	Bch-Cly Alt Gneiss								<0.005	1.3	
74.50	77.10		523260	GN	Bch-Cly Alt Gneiss								0.008	1.1	
77.10	80.20		523261	GN	Bch-Cly Alt Gneiss								<0.005	<0.5	
80.20	81.65		523262	AMP	Amphibolite								<0.005	<0.5	
81.65	83.30		523263	GN	Bch-Cly Alt Gneiss	5						b,l	0.037	<0.5	
83.30	84.00		523264	FLT	Go-GN								1.358	13.1	
84.00	85.00		523265	FZ	Vein Zone	5			1.5			b,d	3.35	128.8	
85.00	85.85		523266	FZ	Bch QFP and VN Brx	5.5			5			d,b	0.786	18.5	
85.85	86.70	0.85	523267	FZ	Sx-Qtz Vein	25	10	5	5			m,sm,b	14	>200.0	1298
523267d				Pulverizer Split Duplicate									14.1	>200.0	1274
523268				Marble Blank									0.016	5.7	
86.70	87.45		523269	FZ	Bch GN and Qtz-Py VN	8						st,vn	5.001	187.7	
87.45	88.45		523270	FZ	Altered QFP	1						d,c	4.979	>200.0	630
88.45	89.40		523271	FZ	Altered QFP	1						d,c	0.473	5.9	
89.40	90.80		523272	FZ	Altered QFP	1						d,c	0.442	17	
90.80	91.90		523273	FZ	Qtz-Go Zone	3						m	0.493	13	
91.90	92.90		523274	FZ	Qtz-Go Zone	3						m	0.277	2.4	
92.90	93.85		523275	FZ	Altered Gniess						15	b,l	0.036	<0.5	

Interval				Lithology		Mineralization							Assay		
From	To	Width	Sample	Code	Lithology	Py%	Asp%	Gn%	Sp%	Cp%	FSx%	Mnzn Style	Au(GM/T)	Ag(PPM)	Ag(GM/T)
93.85	95.80		523276	FZ	Bch Gneiss	2						d	<0.005	<0.5	
95.80	97.80		523277	FZ	Altered Gniess						15	b,l	0.522	2	
97.80	100.05		523278	FZ	Altered Gniess						15	b,l	0.659	5.3	
523279				STD PM404									0.369	1.1	
100.05	101.40		523280	FZ	Cly Alt/Shear Zone	10						l,d	0.557	26.4	
101.40	103.10		523281	FZ	Cly Alt Zone	1						c	0.215	4.2	
103.10	104.55		523282	FZ	Cly Alt Zone								2.887	75.2	
104.55	107.85		523283	FZ	Cly Alt Zone								0.331	7.3	
107.85	110.60		523284	FZ	Cly Alt Zone								0.524	10.7	
110.60	112.65		523285	FZ	Cly Alt Zone								0.244	28.4	
112.65	113.50	0.85	523286	FZ	Sx Vein	60		20				m	22.6	>200.0	1078
113.50	115.65		523287	FZ	Cly Alt Zone								0.906	17.3	
115.65	118.35		523288	QFP	Sil Alt QFP								0.052	2.6	
118.35	121.40		523289	QFP	Sil Alt QFP								0.436	14.2	
523290				Dolmite Blank									<0.005	<0.5	
121.40	122.85		523291	FLT	Go-Qtz Zone								0.192	5.4	
122.85	123.40		523292	FLT	Go-Qtz Zone								0.028	1.1	
123.40	124.35		523293	QFP	Sil Alt QFP								0.015	1.4	
523293d				Crusher Split Duplicate									0.022	1.5	
124.35	127.75		523294	AMP	Amphibolite	.5						d	0.057	0.9	
127.75	130.75		523295	QFP	Sil Alt QFP								<0.005	0.6	

Hole Id: **DDH-10-249**

Property:	Mt. Nansen	Logged By:	K. MacDonald
Area:	Flex Zone	Date Logged:	10-Sep-2010
Client:	Nantawa Resources		

COAST MOUNTAIN GEOLOGICAL LTD.

Collar Location:

Actual:

Datum:	NAD83, Zone 8		
Easting:	386673	Azimuth:	77.6
Northing:	6881925	Dip:	-48.8
Elevation:	1348	Length:	110.7

** Collar location shifted slightly from proposed to be on level ground, az changed to fit collar

Proposed:

Easting:		Azimuth:	78
Northing:		Dip:	-50
Elevation:		Length:	

Survey Type: Ranger Single Shot

Distance	Azi	Dip	Accept
8.53	073.7	-51.0	y
31.39	074.0	-50.7	y
61.88	075.5	-50.3	y
92.36	076.9	-49.6	y
110.64	077.6	-48.8	y

Drilling Information:

Contractor:	Top Rank
Core Diameter:	BTW
Start Date:	9-Sep-2010
End Date:	11-Sep-2010
Casing In:	no
Casing Capped:	no
Units:	Metric

Hole Objective: down-plunge extension of Flex zone

Lithology Summary

From	To	Lith	Comment
0.00	3.20	OB	Overburden
3.20	14.80	AMP	Amphibolite
14.80	25.90	GN	Qtz-Fls Gneiss
25.90	29.55	AMP	Amphibolite
29.55	33.65	GN	Qtz-Fls Gneiss
37.85	41.28	GN	Qtz-Fls Gneiss
41.28	59.30	GN	Qtz-Fls Gneiss
59.30	83.20	AMP	Amphibolite
83.20	110.70	QFP	Qtz-Fls Porphyry
110.70			EOH

Hole Summary: Amphibolites and felsic gneisses were encountered from surface down to 83.20m, with lesser quartzite. A quartz feldspar gneiss unit was intersected from 74.60-83.20m. Several pebble size massive pyrite-sooty black sulphide fragments were noted @ 81.2m & 82.2m; in a larger zone of strong hydrothermal clay alterration and faulting. Basement quartz-feldspar porphyry was encountered at 83.20m to the end of hole. From 86.40 to 91.40m narrow mm-scale smoky quartz veinlets were encountered, with shiny white striated pyrite and fine, dusty grey-black sulphides as disseminations and clots, preferentially at the selvages of vein walls; and commonly aligned at 040° TCA. Narrow anastomosing and branching fine networks of stockwork quartz are also evident down the length of core in certain intervals; roughly oriented at 040° TCA. A 10cm interval from 87.4 to 87.9m is crumbly friable black sulphide dirt with bright shiny pyrite; and may represent a remnant of the main zone interval. From 87.90 to 89.40m the QFP has a crackle breccia appearance; is strongly silicified and shot with quartz stringers. A few 2-5 mm faint, indistinct dusty grey-black sulphide masses were noted; commonly studded with tiny white pyrite inclusions. Fairly fresh looking QFP was noted below 103.2m. The hole appears to have nipped the top of the zone and is too high in the hangingwall; or significant faulting or drag folding has offset the zone.

Hole Id:		DDH-1-249			

Logged By:		K. MacDonald				
Primary		**Secondary**		**Lith Code**	**Lithology**	**Description**
From	**To**	**From**	**To**			
0.00	3.05			OB	Overburden	Casing
3.05	3.20			OB	Overburden	Rubbly cave
3.20	14.80			AMP	Amphibolite	Varicolored pale gry-blk-w/ patchy or; well fol'n; wk gneissic texture; fairly soft overall; might be vwk clay alt of fspar; patchy stng lim
		3.20	10.00			Pervasive to patchy stng Mn oxide
		7.04	9.40			Stng to int Lim oxide; soft sections; wk clay alt?
		9.85	12.05			Stng chl-ser alt; increasing thru int.; // hem coated fracs; broken frac core to end of interval
		12.05	12.40			Stng but patchy ser alt; soft
		12.40	12.60			Quartzite or quartzose band; pale gry-whte; shot & x-cut w/ microqtz veinlets & stngers; offset by later Lim fracs; minor diss and bleby
		12.60	14.80			Stng passing to int pervasive Lim oxide; wk chl; local Mn oxide on fracs; minor wk patchy hem; has shear fabric look; lowermost
14.80	25.90			GN	Qtz-Fls Gneiss	Pale gry-whte w/strng but patchy ornge tinge; variably aphanitic to m.g.; dom by white Fspar up to 2mm across; up to 10-15% fine
		14.80	15.90			Stng Sil interval
		15.90	17.10			Broken rubbly Lim + Mn oxide weathering; soft section (wk clay alt?); multiple fractures // to TCA
		17.10	17.65			Hard, sil'n section; shot w/ random & orthogonal Mn crack sets; few mm qtz stngers at 020˚
		17.65	19.10			Soft narrow gouge intervals w/ broken, rubbly Sil frags & milled qtz; soft Or-Wht clayey sections; pervasive Lim; Mn coated slicks
		19.10	20.85			Stngly bleached; pale grey-whte; grades v.f.g to m.g.; texturally diff from above; might be gradational QFP interval; minor Chl clots
		20.85	22.25			Increasing broken Lim & Mn coated fracs downhole; fining downhole; local stng dense network of Mn-Lim healed microfractures
		22.25	24.30			Stng to int Sil alt; wk but distinct fol'n @ 060˚; diss to local clotty Py <1% aligned along fol'n planes; Lim alt. confined to fol'n planes;
		24.30	25.90			Mixed interval; narrow irregular bands of fol'n bio gneiss in Qtz-Fls Gn; minor diss Py at selvage of Qtz stngers; some minor albite
25.90	29.55			AMP	Amphibolite	Pale gry-gn-blk; sharp but irregular upper contact; f.g.; fol'n wavy & indistinct but probably high TCA; weak Cly-Lim alt of fspar;
29.55	33.65			GN	Qtz-Fls Gneiss	Pale Gry-Or; varicolored; sharp but irregular upper contact; f.g. - m.g.; poorly developed fol'n & gneissocity; looks migmatitic

		31.80	32.50			Increasing Lim alt downhole to stng; migmatitic; mixed interval; might be alt AMP
		32.50	32.90			Increasing clay alt; weak soft interval ending in broken friable frags
		32.90	33.35			Soft; could be healed breccia; irregular texture; stng Lim - Mn alt; minor Qtz sweats; few subangular qtz clasts appear in fine mtx
33.65	37.85			AMP	Amphibolite	Pale varicolored Gry-Blk-Or; sharp but wavy planar upper contact; marked by increased Chl alt and overprinting Lim; dendritic Mn alt
		36.60	37.85			Increasing stng Lim alt; patchy wk Chl;
37.85	41.28			GN	Qtz-Fls Gneiss	Pale Gry-Wht-Or banded gneiss; fol'n at 030˚ TCA; mm-scale // qtz strngers; patchy mod Lim // to banding/fol'n; soft mtx; wk clay alt;
		37.85	39.17	AMP	Amphibolite	Pale Gry-Blk-Or; upper contact marked by stng local clay alt; lim alt and smoky mm qtz stnger; f.g. - m.g.; well fol'n @ 040˚; stng Mn
		39.17	40.69	GN	Qtz-Fls Gneiss	Pale Or-Wht w/ spidery blk cracks; upper contact sharp buy wavy; roughly 080˚ TCA; pervasive wk Lim; wk patchy Sil; irregular
		40.69	41.28	AMP	Amphibolite	Pale Or-Gry; well fol'n @ 050˚ TCA; distinct but poorly dev. gneissic banding, locally disrupted (migmatitic); mm Qtz stngers // to fol'n;
41.28	59.30			GN	Qtz-Fls Gneiss	Pale Or; upper contact sharp planar @ 030˚ TCA; wk-mod pervasive Lim alt; mod-local stng Sil; alt; abundant Mn cracks & healed
		42.05	42.45			Pale Or-Wht; stng bleaching; wk chl alt;
		42.45	43.98			Pale Or; minor Qtz stngers x-cut & offset by series of Mn cracks roughly @ 020˚; 4cm Qtz veinlet @ 030˚ w/ stng local Ser
		43.98	45.10			Pale Or; weak soft interval w/ broken core; stng to local int clay alt; stng Mn on open fracs; might be sheared section
		45.10	46.31			Pale Or; increasing Sil to mod pervasive
		46.31	48.90			Pale Or; alternating narrow soft and hard Sil intervals; some may be quartzite bands or irregular Sil alt.; common open Mn coated
		48.90	49.10			Pale Or-Wht; stng Sil; could be quartzite band
		49.10	49.22	AMP	Amphibolite	Pale Or-Gry-Blk; fol'n @ 040˚ TCA; mod. pervasive Lim; wk Ser
		49.22	53.95	GN	Qtz-Fls Gneiss	Med to drk Or; upper contact // to foliation at ~ 040˚ TCA; sharp, planar; rare Py clot; pervasive mod to local stng Lim; some // Lim
		52.36	52.72	GN	Quartzite	Pale gry-wht; silicified band; might be quartzite; intersection Lim frac sets: 030˚ & 140˚; wk Chl alt.
		52.72	53.95			Med-drk Or; decreasing Sil dh from mod pervasive to soft crumbly friable core; pervasive mod-stng Lim alt; patchy Ser & Chl alt; 5cm
						Note: run marker error: 7' of core for 5' interval. 178 foot run marker changed to 176 feet. Unable to find 2 foot slack downhole.

		53.95	55.94	GN	Quartzite	Very pale gry-wht-grn; more likely a silicified greywacke; very fine grained; pale grn chl alt of fspar; wk fol'n; stng Sil, wk Lim
		55.94	59.30	GN	Qtz-Fls Gneiss	Patchy pale to local drk Or; mixed migmatitic-like interval; gneissic bands with minor mixed amphibolite & quartzite; variably soft wk
59.30	83.20			AMP	Amphibolite	Patchy Or-gry; f.g.; well fol'n; altered, bleached gneiss; possibly mafic; fol'n @ 065˚ TCA; qtz stngers // to fol'n; mod Sil; patchy mod

DDH-10-249: Description Cont.

Primary		Secondary		Lith Code	Lithology	Description
From	To	From	To			
		61.50	62.25	GN	Qtz-Fls Gneiss	Pale or-brn-gry; patchy irregular foliated sections; variable grain size but generally f.g.; wk pervasive Lim; accentuated fol' planes
		62.25	63.53	GN	Qtz-Fls Gneiss	Pale gry-wht-or; more of a wkly porphyritic texture transitional to quartzite; patchy mod Sil, patchy wk Lim; patchy to pervasive Chl,
		63.53	64.25	GO	Go-Qtz Zone	Varicolored Og-Yw; pebble size fragments of milled qtz in gouge; sharp broken upper contact @040˚ TCA; broken lower contact;
		64.25	66.65	GN	Qtz-Fls Gneiss	Patchy pale Or-wht-gry; variable grain size from f.g. to wkly porphyritic; irregular indistinct fol'n; wk Sil; wk patchy Lim; wk patchy Chl;
		65.10	66.65			C.g.; sooty, f,g, Py clusters; <1% overall; narrow stng clay alt sections; Mal & fine Py on open coated frac @ 66.35
		66.65	67.65	GO	Go-Qtz Zone	Varicolored Or-Yw; pebble size fragments of milled qtz in gouge; obscured contacts; might be 020˚;
		67.65	69.21	GN	Qtz-Fls Gneiss	Patchy pale Or-gry; wavy fol'n at 040˚ TCA; sooty Qtz-Py microstrngers & small clusters; variable grain size from f.g. to c.g.; wk
		69.21	70.65	GN	Qtz-Fls Gneiss	Pale gry-wht; rapid grain size changes from f.g. to m.g. in narrow bands; locally wkly porphyritic; wk patchy Lim, localyl int; wk patchy
		70.65	70.80	GO	Go-Qtz Zone	Varicolored Og-Yw; pebble size fragments of milled Qtz in go; obscured contacts; crumbly, friable to sticky yellow clay;
		70.80	71.74	GN	Qtz-Fls Gneiss	Pale gry-wht; f.g. to m.g.; mod to stng patchy Lim; wk patchy Sil; local stng Ser; abundant random open Lim coated fracs
		71.74	72.30	GO	Go-Qtz Zone	Pale Or-Yw-gry; stng penetrative shear fabric @ 030˚ TCA where core is preserved; soft, clayey section, some milled qtz frags; minor
		72.30	72.50	GN	Qtz-Fls Gneiss	Pale gry-wht; f.g. to m.g.; mod to stng patchy Lim; wk patchy Sil; local stng Ser; fol'n @ 030˚; soft
		72.50	73.70	GO	Go-Qtz Zone	Pale Or-Yw; crumbly, friable, soft; some milled Qtz frags; int clay alt; local int Lim
		73.70	74.80	GN	Qtz-Fls Gneiss	Pale gry-wht-or; strng bleaching; well fol'n @ 035; tiny wispy Qtz strngers // to fol'n; mod Sil; patchy mod Lim; vuggy appearance
		74.80	75.05	AMP	Amphibolite	Drk gn; might be remnant AMP gn; stng chl alt; well fol'n; same as above; patchy Lim; rare earthy Hem alt

		75.05	75.15	GN	Qtz-Fls Gneiss	Pale gry-wht-or; well fol'n @ 065˚ TCA; mod-stng Sil; patchy Lim typically // to fol'n planes; & Ser; narrow mm qtz veinlets // to fol'n
		75.15	75.55			1-2% fine wispy discontinous Py microstringers & tr Gn aligned on fol'n planes; few Py clusters up to 2mm across
		75.55	75.93			<1% fine wispy discontinous Py microstringers aligned on fol'n planes; 2mm wide blk-sooty gry Qtz-Sx stringer at 020˚
		75.93	77.15			Same as above; 6-7 mm-scale qtz-sooty blk Sx strngers over interval
		77.15	78.15			Same as above; few mm to cm scale Qtz-sooty blk Sx strngers; too fine to identify Sx except where brassy Py; mod Sil
		78.15	78.65			Strnger Qtz veinlets; local mod chl-ser alt; patchy stng Sil; minor Lim on fracs; white clay coating on fracs
		78.65	80.15	CLY	Clay Alt'n	Pale Or-Yw; crumbly, friable, soft; some milled qtz frags; int clay alt; local int Lim; no obvious Sx
		80.15	80.92	GN	Qtz-Fls Gneiss	Bleached wht-pale gry w/ local Or; variable f.g to c.g.; weakly porphyritic; mod Sil decreasing downhole; patchy Chl; Lim on open
		80.92	83.20	CLY	Clay Alt'n Zone	Pale Or-Yw-wht; crumbly, friable, soft; some milled qtz frags; int clay alt; local int Lim; several pebble size massive Py frags @ 81.2m
Qtz-Fls Porphy	110.70			QFP		Pale gry-grn; aphanitic to weakly porpyritic; 1-2 mm equant fspar xstalls set in aphanitic mtx; some fspars are badly pitted, pale yw
		86.40	87.4			Narrow mm-scale smoky Qtz veinlets w/ shiny white Py ± fine, dusty gry-blk Sx diss & clots; common 040˚ TCA but narrow
		87.40	87.90		FW Zone	Anastomosing microstockwork of Qtz veinlets & strngers; 35% of volume of unit; <10% shiny well-striated Py masses & clots within
		87.90	89.40			Pale gry-grn w/ Or tinge; QFP w/ crackle breccia look; stng Sil; looks shot w/ qtz; few 2-5 mm faint, indistint dusty gry-black masses,
		89.40	90.40			Med Or; weak soft interval; mod to local int clay alt; no obvious gouge
		91.00	95.40			Patchy pale Or-gry; broken fractured unit of QFP; variable wk to local stng Sil; patchy Chl; patchy Lim mainly on open fracs; stngly
		95.40	101.70			Fresh looking QFP; wk bleaching, stngly Sil; equant clear Qtz xstalls & wkly cly alt Fspar xstalls set in aphanitic gm
		101.70	103.20			25cm soft friable Or core passing down to broken sandly Or rubble. No obvious gouge.
		103.20	104.80			Fairly fresh looking QFP; wk bleaching, stngly Sil; equant clear Qtz xstalls & wkly cly alt Fspar xstalls set in aphanitic gm; mod patchy
		104.80	110.70			Cave, massive wash out and 50cm of broken, rubbly bleached QFP
			110.70			EOH

DDH-10-249: Intervals and Attributes

Hole		DDH-10-249													
Logged By:		K. MacDonald													
Interval				Lithology		Mineralization							Assay		
From	To	Width	Sample	Code	Lithology	Py%	Asp%	Gn%	Sp%	Cp%	FSx%	Mnzn Style	Au(GM/	Ag(PPM)	Ag(GM/
74.60	75.15	0.55	523296	AMP	Amphibolite								0.367	18.3	
75.15	76.15	1.00	523297	GN	Qtz-Fls Gneiss	<1		<1				C, VT	0.186	31.1	
523398				STD PM404									0.386	1.2	
76.15	77.15	1.00	523299	GN	Qtz-Fls Gneiss	2					2	VT	0.416	19	
77.15	78.15	1.00	523300	GN	Qtz-Fls Gneiss	2					2	C, VT	3.02	124.7	
78.15	78.65	0.50	523301	GN	Qtz-Fls Gneiss	1						VT	6.056	22.5	
78.65	80.65	2.00	523302	CLY	Clay Alt'n Zone								1.175	3.1	
523303				DOLOMITE BLANK									0.008	<0.5	
80.65	83.20	2.55	523304	CLY	Clay Alt'n Zone	10						C	0.77	44.4	
83.20	83.65	0.45	523305	QFP	Qtz-Fls Porphyry	<1					<1	D	0.491	27.7	
86.40	87.40	1.00	523306	QFP	Qtz-Fls Porphyry	1					1	C, D. VT	1.677	40.4	
87.40	87.90	0.50	523307	QFP	Qtz-Fls Porphyry	<10					<5	VT, Z, C, D	24.4	>200.0	1058
				MARBLE BLANK									0.032	1.7	
87.90	89.40	1.50	523309	QFP	Qtz-Fls Porphyry	1					<1	C, D	0.575	7.9	
89.40	90.40	1.00	523310	QFP	Qtz-Fls Porphyry								1.248	4.4	
90.40	91.40	1.00	523311	QFP	Qtz-Fls Porphyry								0.609	8.3	

Hole Id: **DDH-10-250**

Property: **Mt. Nansen**
Area: **Flex Zone**
Client: **Nantawa Resources**

Logged By: **K. MacDonald**
Date Logged: **13-Sep-2010**

COAST MOUNTAIN GEOLOGICAL LTD.

Collar Location:

Actual:

Datum:	NAD83, Zone 8		
Easting:	386673	Azimuth:	76
Northing:	6881925	Dip:	-65
Elevation:	1348m	Length:	122.53 m

** Collar location shifted slightly from proposed to be on level ground, as changed to fit collar

Proposed:

Easting:		Azimuth:	78
Northing:		Dip:	-65
Elevation:		Length:	

Survey Type: **Ranger Single Shot**

Distance	Azi	Dip	Accept
3.96	024.8	-65.5	n
25.30	024.6	-66.0	n
55.47	379.7	-65.5	n
86.26	376.9	-65.0	n
116.44	076.0	-65.0	y

Drilling Information:

Contractor:	Top Rank
Core Diameter:	BTW
Start Date:	11-Sep-2010
End Date:	14-Sep-2010
Casing In:	No
Casing Capped:	No
Units:	Metric

Hole Objective: down-plunge extension of Flex zone; drill beneath DDH 10 249 at 65° dip

Lithology Summary

From	To	Lith	Comment
0.00	2.44	OB	Overburden
2.44	9.05	AMP	Amphbolite
9.05	11.86	AMP	Gneiss
11.86	24.40	GN	Gneiss
24.40	32.50	AMP	Amphbolite
32.50	51.20	GN	Felsic Gneiss
51.20	54.45	GN	Qtz-Fls Gn
54.45	59.10	GN	Quartzite
59.10	72.54	GN	Qtz-Fls Gn
72.54	91.40	GN	Felsic Gneiss
91.40	104.30	GN	Qtz-Fls Gn
104.30	119.80	QFP	Qtz-Fls Porphyry
119.80	122.20	GN	Qtz-Fls Gn
122.20	122.53	QFP	Qtz-Fls Porphyry
122.53			EOH

Hole From 58 to 63 m the hole encountered a rythmic sequence of fine grained to medium grained, irregularly banded (migmatized?) and bleached, intercalated mafic/felsic bands with lesser quartzite. A 5 cm wide brecciated py-qtz stringer is at 50.80m. One narrow 2mm wide smoky qtz stringer w/ fine diss py at 040° TCA is at 52.4m. A few irregular py-chl-qtz clots and tiny cracks were observed locally; along with <1% diss dusty fine grained metallic Sx. Several narrow intervals were shot thru w/ tiny diss py grains and isolated py stringers. Fine sulphides and pyrite were observed in quartz stringers from 83m to 87.8m. A series of narrow cm-scale semi-massive to massive sulphide-quartz veins and veinlets were encountered from 91.4 to 105m in disrupted and faulted quartz feldspar gneiss at the contact with quartz-feldspar porphyry. The sulphides comprise fine intergrown galena-sphalerite-arsenopyrite masses with pyrite. The sulphide masses can comprise up to 60-75% of individual vein segments. The veins seem at shallow angles to the core axis; as does much of the local shearing, clay gouge and breciation. Much of the lower hole below 83m is locally strongly fractured, brecciated and faulted and suggests the hole may have tested a steep NE dipping cross-fault orthogonal to the steeply west dipping flex zone structure.

Hole Id: DDH-10-250
Logged By: K. MacDonald

Primary		Secondar		Lith Code	Lithology	Description
From	To	From	To			
0.00	2.24			OB	Overburden	Casing
2.24	2.44			OB	Overburden	Broken rubbly drill ground amphibolite
2.44	9.05	2.44	2.80	VN	Qtz	Wht to translucent clear Qtz vein; hosted in blched Qtz-Fls Gn; barren; minor Py on cracks within Qtz
		2.80	5.84	AMP	Amphibolite	Blk-grn; mafic gn; v.f.g., wk chl alt of fspar; fine network of tiny cracks at high angle TCA; accomp. by local stng chl-epi-ser alt. Common open chl-lim coated fracs at 050˚ TCA. Wk pervasive Sil. Wk patchy blching. Few narrow mm Qtz sweats at 80-90˚ TCA
		5.84	6.41	GN	Qtz-Fls Gn	Varicolored pale grn-gry-or; f.g. to m.g.; intercalated cm-scale mafic/felsic bands; wk pervasive blching & chl ± ser alt. Patchy Sil & Lim alt. Few tiny whte qtz srngers; random orientation.
		6.41	7.50	GN	Gneiss	Or-blk; intense Mn-Lim weathering; pervasive dendritic fibrous habit; probably pyrolusite but possibly fine Sx; also cubic striated Py on coated fracs; mm scale hem alt. clasts; will sample
		7.50	9.05	AMP	Amphibolite	Gry-blk-grn w/patchy Or; fol'n at ~ 060˚; v.f.g.; wk pervasive chl-ser alt; wk patchy sil; shot w/tiny cracks and attendant narrow mm-scale stng chl-epi-ser-lim alt zones
9.05	11.86			AMP	Gneiss	Pale Or-gry; mixed gn interval; intercalated v.f.g fol'n mafic gn w/ narrow felsic bands; good gn fabric between 050˚ - 070˚; pervasive mod ser-chl alt; wk patchy sil; local heavily overprinted with patchy Lim alt.; minor fine diss Sx; wk patchy hem along fol'n planes
		9.05	9.30	FLT	Fault?	Stngly fract interval; stng lim-mn coatings
		9.78	10.38	FLT	Fault?	Rubbly broken interval w/ stng Lim-Mn weathering; mod. soft; wk clay alt.; probable narrow flt
		10.38	10.68	BX	Breccia	Pale gry-wht-or; narrow healed breccia; intense sericite development; probably on fol'n planes; clotty & discontinous stnger Py (<1%); will sample
		10.68	11.58	GN	Breccia?	Or-blk; intense Mn-Lim weathering; pervasive dendritic fibrous habit; very soft clay alt. has brecciated look
		11.58	11.86	GN	Felsic Gneiss	Yw-Or; stng pervasive yellow alt of gm (sericite?); patchy int Lim; clotty chl; clotty py masses; some strnger py, fairly soft
11.86	24.40			GN	Gneiss	Or-blk; intense Mn-Lim weathering; pervasive dendritic fibrous habit; very soft clay alt.; probably fol'n mafic gn
		12.30	13.24		Flt	Broken rubbly drill-ground interval; some pieces are massive Mn clots and masses; core loss
		13.24	16.15		Flt	Int Mn-Lim weathering; broken soft interval; might be banded felsic gn w/ remnant fol'n; 20% core recovery
		16.15	16.30		Gouge	Or-wht clay gouge studded w/milled qtz pebbles; stng blching
		16.30	19.20		Flt	Broken fractured rubbly; stng Lim altered frags w/ small clayey pieces; stng blching; 13% core recovery
		19.20	21.20		Flt	Broken, fractured, intensely Lim altered frags; felsic gneiss; some frags are stngly sil alt.; stng blching
		21.20	22.20		Flt	Well cored but fairly soft lim alt gn; stng blching
		22.20	23.70		Flt	Broken fractured rubble. Stng Lim - Mn weathering; individual frags are mod sil altered
		23.70	24.40	GN	Qtz-Fls Gn	Pale gry-grn; c.g.; tending to pegmatitic; wk gneissic banding; wk passing downhole to stng pervasive sil; overprints mod pervasive chl-ser alt; broken, fractured but edge of flt

24.40	32.50			AMP	Amphibolite	Gry-grn-blk; banded & intercalated dom. mafic gn w/ felsic gn; @060˚ TCA; pervasive wk to local mod chl; wk ser alt; patchy Lim, typically coating open fracs & along and adjacent to healed fracs; tiny fine diss of sulphides (py?) along tiny cracks; repetitive crack pattern at 020˚ TCA; gradational to felsic gn and quartzite bands downhole
		27.40	30.40	GN	Felsic Gneiss	Pale gry-grn-wht; banded and variable grain size; crystalline to c.g.; gneissic w/ intercalated mica schistose bands, qtz-fls bands and quartzose-rich bands; pervasive mod-stng sil alt, wk pervasive chl-ser to locally patchy stng interstitial ser alt; well-cored; minor clotty pyrite and few qtz-py stngers
		30.40	30.70	AMP	Amphibolite	Gry-blk; stng pervasive sil alt.; overprints earlier wk pervasive chl-ser alt.; fol'n @ 070˚ TCA
		30.70	31.30	GN	Felsic Gneiss	Pale gry-grn-wht; mod-strng blching; stng pervasive ser alt; patchy chl alt; overprinted by pervasive mod-stng sil alt; unit is irregularly banded and migmatized; variable grain size; crystalline to c.g.; qtz-fls bands and quartzose-rich bands; minor clotty pyrite and few qtz-py stngers
		31.30	31.90	AMP	Amphibolite	Gry-grn-blk; stng pervasive sil alt.; overprints earlier wk pervasive chl-ser alt.; more mafic banding
		31.90	32.30	GN	Felsic Gneiss	Pale gry-wht; w/ Or tinge; mod blching; wk-mod pervasive ser alt; patchy chl alt; overprinted by pervasive mod-stng sil alt; unit is irregularly banded and migmatized; variable grain size; crystalline to c.g.; qtz-fls bands and quartzose-rich bands; few qtz-py stngers
		32.30	32.50	AMP	Amphibolite	Drk gry-grn-blk; well fol'n @ 075˚ TCA
32.50	51.20	32.50	32.65	GN	Felsic Gneiss	Pale gry-grn-wht; c.g. to wkly porphyritic
		32.65	34.20	GN	Felsic Gneiss	Or-pale gry-grn; broken fractured Lim. + Mn altered zone; common long open lim coated fracs at 015˚ TCA; secondary set at 050˚ TCA
		34.20	35.15	GN	Gneiss	Pale gry-grn; mod pervasive ser-chl alt; overprinted w/ wk pervasive sil; migmatized interval; swirling banding; more mafic rich than units above; clotty py masses (<1%)
		35.15	35.82	GN	Felsic Gneiss	Or-pale gry-wht; fol'n at 050˚ TCA; wk pervasive Lim. + Mn altered zone; common open Lim + Mn coated fracs; few smoky qtz sweats // to fol'n; diss and minor py strngers
		35.82	36.35	GN	Felsic Gneiss	Drill-ground broken; sil alt, lim weathered core frags
		36.35	37.30	GN	Qtz-Fls Gn	Pale Or-yw-gry; swirling migmatic texture; intermixed mafic laminations in qtz-fspar dom mtx; mod blching; wk pervasive sil; weak pervasive ser; patchy lim;
		37.30	37.90	GN	Felsic Gneiss	Pale gry-wht; wk patchy or; mod to strngly blched; patch chl; wk pervasive ser alt; patchy lim; more siliceous than above; tending to metagreywacke
		37.90	39.10	GN	Quartzite	Wht-pale gry w/patchy or; siliceous tending to meta-arenite - quartzite; pervasive sil; wk patchy Lim + Mn alt. Common open and healed lim fract at 030˚ TCA
		39.10	41.10	GN	Qtz-Fls Gn	Pale Or-yw-gry; swirling migmatic texture as above from 36.35m; intermixed mafic laminations in qtz-fspar dom mtx; mod to strng blching; wk pervasive sil; weak pervasive ser; patchy Lim + Mn;
		41.10	41.50	GN	Felsic Gneiss	Pale Or-gry-wht w/ patchy dendritic blk coloring; strng sil alt; mod to strngly blched; wk pervasive ser alt; pervasive Lim and dendritic Mn; more siliceous than above; tending to meta-greywacke
		41.50	43.55	GN	Qtz-Fls Gn	Mod Or; fspar dom mtx; strng blching; strng to int Lim; patchy Mn on open fracs
		43.55	44.84	GN	Qtz-Fls Gn	Or w/ dendritic black markings; wk pervasive ser alt; overprinted by strng to int Lim and local strng Mn; especially on concentric fracs and open fracs
		44.84	46.68	AMP	Amphibolite	Pale gry-grn-blk; wk blching; pervasive ser alt; wk patchy sil alt; criss-crossed with tiny lim fractures; well fol'n @ 050˚ TCA; 5 cm sheared yw-or clay gouge at upper contact // to fol'n; slickensides

		46.68	47.88	GN	Qtz-Fls Gn	Or w/ pale gry splotches & dendritic black markings; f.g.; wk pervasive ser alt; overprinted by strng to int Lim and lesser wk Mn; especially on concentric fracs and open fracs; local sil alt.
		47.88	49.93	GN	Banded Gneiss	Pale gry w/ patchy Or; alternating f.g. & c.g. bands; wk fol'n at 050˚ TCA; minor bleby and tiny strnger py masses strung out on planes // to fol'n; mod pervasive sil; patchy lim; strng Lim + Mn on open fracs
		49.93	51.20	AMP	Amphibolite	Pale gry-blk w/ patchy Or; f.g. to m.g.; wk blching; migmatitic swirling & irregular banding; alternating mafic/felsic bands; pervasive wk ser alt; local stng chl alt; wk patchy sil alt; criss-crossed with tiny Lim fractures; 5 cm wide brecciated py-qtz strnger at 50.80m.
51.20	54.45			GN	Qtz-Fls Gn	Wht w/ patchy Or; stngly blched; v.f.g.; tiny clear to wht qtz cracks // at 050˚; mod passing downhole to strng sil alt; one narrow 2mm wide smoky qtz strnger w/ fine diss py at 040˚ TCA at 52.4m
		53.35	53.70	GN	Quartzite	Wht-pale gry w/patchy or; siliceous tending to meta-arenite - quartzite; pervasive wk sil; wk patchy Lim + Mn alt. Few irregular py-chl-qtz clots and tiny cracks
		53.70	54.45	GN	Qtz-Fls Gn	Med to drk Or; f.g. to m.g.; fol'n @ 030˚ TCA; wk pervasive sil; mod pervasive to local int lim alt; Mn alt common on open fracs at 050˚ TCA;
54.45	59.10			GN	Quartzite	Pale gry w/patchy or; v.f.g. to aphanitic; siliceous tending to meta-arenite - quartzite; pervasive stng sil; wk patchy Lim + Mn alt. Diss and minor clotty fresh Py; <1%
		55.85	57.07			Pale gry w/ patchy or; similar to above but coarser grained; siliceous gm but more coarse fspar clasts; <1% diss dusty fine grained metallic Sx
59.10	72.54	59.10	59.65	GN	Qtz-Fls Gn	Pale gry w/ patchy or; v. f.g.; siliceous gm; int pervasive sil; patchy Lim + Mn; shot thru w tiny diss py grains; few py strngers; <2% overall; will sample
		59.65	59.95			Pale gry-grn-or; c.g.; patchy strng chl alt; strng pervasive sil w/ diss py and tiny py-qtz cracks (< 1%); wk pervasive to local mod ser alt.; patchy lim
		59.95	61.07			Pale gry w/ minor patchy or; very c.g. to wkly porphyritic; amorphous clear and gry chalcedonic qtz sweats and strngers; wk patchy chl alt of few large mafic clots; diss Py and strnger Py (<1%)
		61.07	62.20	GN	Quartzite	Wht-pale gry; v.f.g. to aphanitic to amorphous; very siliceous; strng pervasive sil alt; clotty green chl
		62.20	62.94			Pale or-gry; m.g.; patchy sil; no obvious diss py as above
		62.94	63.50	GN	Quartzite	Pale gry; v.f.g. to aphanitic; wk patchy lim overprint; stng pervasive sil alt; tiny diss py (<1%)
		63.50	65.75	GN	Mafic Gneiss	Drk gry-blk w/ white spots; unusual texture; mm-scale smoky qtz grains in f.g. dark biotite-amphibole mafic rich gneiss; strng pervasive sil; mod pervasive interstitial ser alt; intensive network of tiny sericite-filled cracks; random orientation; minor clotty py
		65.75	67.30	GN	Quartzite	Pale gry; v.f.g. to aphanitic; wk patchy lim overprint; strng lim on open fracs; conjugate frac sets at 050˚ & 140˚ TCA; strng pervasive sil alt; patchy wk chl alt; tiny diss py (<1%)
		67.30	67.70	GN	Qtz-Fls Gn	Pale grn-gry; c.g.; poorly fol'n; wk pervasive ser; mod pervasive to patchy strng chl alt; irregular qtz cracks; chl coated slicks on open frac at 060˚ TCA
		67.70	68.15			Pale gry-wht; soft section; strngly blched; broken; local gry-grn and clayey
		68.15	69.49			Pale gry-grn-or; soft; broken; local strng lim alt toward bottom of section
		69.49	71.00	GN	Quartzite	Pale gry-grn w/ patchy or; v.f.g. to aphanitic; siliceous w/ green chl altered clots; few ruby red clots; blk streak; associated w/ clotty Py
		71.00	72.54	GN	Qtz-Fls Gn	Pale or-gry; f.g. to m.g.; wkly fol'n @ 050˚; common, wk pervasive interstitial ser, wk clotty chl alt; wk patchy sil; lim coated fol'n planes; lim coated open fracs; most of interval is broken core

72.54	91.40	72.54	73.00	GN	Felsic Gneiss	Pale gry-grn w/ patchy or; coarse banded f.g. thru m.g. to locally c.g. intervals; variably silicified; patchy lim alt.;
		73.00	73.65	GN	Quartzite	Pale gry-grn w/ patchy or; v.f.g. to amorphous qtz; strng sil alt.; minor fresh diss to clotty Py; siliceous mtx w/ green chl altered clots; few cm scale mafic gneiss bands
		73.65	74.62	GN	Felsic Gneiss	Pale grn-gry w/ Or tinge; irregularly banded; pervasive wk chl-ser; local clotty chl; wk pervasive sil
		74.62	75.50	GN	Quartzite	Pale gry-grn; v.f.g. to amorphous qtz; wk fol'n at 070˚ TCA; strng pervasive sil alt.; iliceous mtx w/ green chl altered clots
		75.50	76.07	GN	Felsic Gneiss	Pale grn-gry; m.g. to c.g.; irregularly banded; pervasive wk chl-ser; local clotty chl
		76.07	77.06	GN	Felsic Gneiss	Pale grn; f.g.; irregularly banded; pervasive mod - strng chl-ser; local clotty chl;
		77.06	79.54	GN	Felsic Gneiss	Wht-very pale yw-grn; f.g. coarsening downhole; blched; well foliated at 030˚ TCA; wht qtz stngers; strngly blched; pervasive mod sil alt; patchy lim on open fracs; minor diss & clotty Py; probably same unit as above with blching, unit is stngly factured and broken below 70.11m; approaching flt?
		79.54	81.69	GN	Qtz-Fls Gn	Wht-pale grn; blched; c.g.; poorly fol'n; wk pervasive chl & sil alt; tr Py
		81.69	83.15	GN	Felsic Gneiss	Speckled gry-pale grn w/ patchy or; c.g. gneiss; dark chl splotches; wk pervasive sil; patchy ser; tr fine cubic py; unit is mostly stngly fractured and broken rubble with stng local lim on open fracs
		83.15	83.50	FLT	Fault	Pale grn-wht; blched; soft, friable clayey rubble; probably broken gouge
		83.50	84.00	FLT	Felsic Gneiss	Pale gry-grn-yw-or; blched; silicified rubbly gneiss; yw skorodite on open fracs; narrow mm-scale smoky amorphous qtz stngers w/ py + fine Sx
		84.00	84.97	GN	Qtz-Fls Gn	Wht-pale or-yw-grn; blched; c.g to weakly porphyritic; wk fol'n at 050 TCA˚; narrow clay gouge with milled qtz frags at 010˚ TCA preserved on silified core at upper contact, strng sil; skorodite coatings on open fracs; poorly fol'n; tr Py w/in narrow smoky amorphous qtz stngers at 030˚ TCA; few drk gry cm scale masses w/ dark smoky qtz finely studded w/ py
		84.97	85.62	GN	Qtz-Fls Gn	Pale yw-gry w/ patchy or; blched; c.g.; must be strng ser alt of fspar to impart yw color; poorly fol'n; strgly sil altered; patchy yw grn skorodite alt on open fracs
		85.62	86.52	FLT	Fault	Pale gry-grn w blk bands; blched; stngly silicified frags in flt/highly fractured zone with crumbly, friable, soft wht-yw-pale green frags; patchy clay-chl-ser alt; // narrow mm smoky dark amorphous qtz strngers w/ Py at 030˚ TCA; could be fine Sx in qtz mtx
		86.52	86.97	GN	Qtz-Fls Gn	Wht-pale yw-or; blched; c.g. to weakly porphyritic; wk fol'n at 55˚ TCA; mod pervasive sil; mod-strng pervasive chl-ser alt; wk patchy lim overprint
		86.97	87.43	FLT	Felsic Gneiss	Pale grn-yw-gry w/ local black Sx smudges; blched, broken, crumbly soft friable interval; sooty friable Sx rubble; few preserved dark gry-blk mm-scale amorphous Qtz-Sx strngers; might be HW zone? Sx comprise fine py intergrown with weathered eroded sph; also rare fine purplish-red mineral (realgar? zincite?); also patchy earthy hem
		87.43	87.78	GN	Felsic Gneiss	Pale gry-yw-or; c.g., blched; poorly banded gneiss; wk to mod sil; wk pervasive chl; patchy lim
		87.78	88.25	FLT	Breccia	Pale gry-grn w/ patchy or and blck; blched; silica healed breccia; rounded to angular mm frags in smoky siliceous mtx; int sil; w/ green chl altered clots; shear fabric at 050˚ TCA; associated w/ clotty Py; local strng Lim
		88.25	90.80	GN	Qtz-Fls Gn	Wht-very pale gry-grn-yw; c.g.; wk gneissic banding at 030˚ TCA; mod pervasive sil; wk pervasive chl-ser alt
		90.80	91.40	GN	Qtz-Fls Gn	As above; sil increasing downhole, narrow drusy smoky qtz stngers at 10-15˚ TCA

91.40	104.30			GN	Qtz-Fls Gn	Mottled gry-grn-gry-locally blk; unit appears similar thru-out but masked by alteration and local mineralized Sx semi-massive - massive zones; pervasive strng to locally int sil; pervasive to patchy chl-ser; very minor lim on open fracs; ubiquitous blching thru-out
		91.40	91.87	FLT	Gouge	Yw-gry-blk; weak, soft friable with preserved silicified breccia frags; mineralized with black-grey sooty fine sulphides, within and adjacent to narrow smoky amorphous qtz; Qtz-Sx looks post-breccia silicification; SX comprise fine py - gn ± sph. ~ 50% lost core
		91.87	91.97	GN	Qtz-Fls Gn	Silicified interval
		91.97	92.12	VN	Qtz-Sx	Narrow 15cm broken interval of semi-massive to massive Py-sooty blk sulphides; narrow // qtz veinlets at 030˚ TCA
		92.12	92.47	GN	Qtz-Fls Gn	Silicified interval, 1mm wide drk smoky gry-blk py-qtz stngers
		92.47	92.62	VT	Qtz-Sx	Narrow 15cm zone cored w/ 2 cm wide pitted semi-massive Sx-Qtz veinlet comprised of fine Py-sooty blk sulphides; local hem alt; veinlet at 025˚ TCA
		92.62	92.99	GN	Qtz-Fls Gn	Strngly silicified interval, multiple 1-2 mm wide Sx-Qtz stngers; randon orinetation; small micro-stockwork; qtz is smoky gry-blk w/ Py plus fine sooty blk Sx; larger py-qtz stngers are terminated or offset by later translucent qtz stngers
		92.99	93.05	VT	Hangingwall Zone	Massive Sx stnger; HW zone? Vey fine blk sulphides; probably intermixed gn-asp ± spy with coarser and local clotty py; in qtz gangue
		93.05	93.75	GN	Qtz-Fls Gn	Strngly silicified interval, multiple 1-2 mm wide Sx-Qtz stngers; randon orientation; qtz is smoky gry-blk w/ Py plus fine sooty blk Sx and hem; larger py-qtz clots; also translucent qtz stngers
		93.75	94.10	VN	Main Zone	Semi-massive - massive SX-Qtz vein; measures 35 cm in core length; probably 18cm true width; oriented steeply at 030˚ TCA; zone must be steeply dipping at ~ 085˚ SW; about 75% of volume is Sx; fine masses of gn-sph-asp-py w/ clotty py in silica gangue; spotty hem alt; patchy chl; skorodite on open fracs
		94.10	94.72	GN	Qtz-Fls Gn	Strngly silicified interval, multiple and irregularly oriented 1-2 mm wide Sx-Qtz strngers; gives brecciated appearance; qtz is smoky gry-blk w/ Py plus fine sooty blk Sx; few narrow discontinous arcuate py masses; also translucent qtz stngers
		94.72	94.92	VN	East Zone	Semi-massive - massive SX-Qtz vein; vuggy eroded look; measures 20 cm in core length; probably 12cm true width; oriented steeply at 020˚ TCA; zone must be steeply dipping at ~ 085˚ SW; about 65% of volume is Sx; fine masses and disseminations of gn-asp-py-sph w/ clotty py and clotty gn in silica gangue; spotty hem alt; skorodite on open fracs; local drusy cavaties with tiny euhedral qtz xstalls (boiling?); stng chl alt; wall rock is strngly to intensely sil altered
		94.92	95.30	GN	Qtz-Fls Gn	Strngly silicified interval, few irregularly oriented 1-2 mm wide Sx-Qtz strngers; qtz is smoky gry-blk w/ Py plus fine sooty blk Sx; one 2mm wide Sx-Qtx strnger; eroded and vuggy; also translucent qtz strngers (later); some core loss
		95.30	95.40	GN	Qtz-Fls Gn	Strngly silicified interval w/ 5cm irregular semi-massive py-gn veinlet in dark grey smoky qtz gangue; eroded and vuggy, Gn masses up to 2 wide rimed w/ py
		95.40	95.55	GN	Qtz-Fls Gn	Strngly silicified interval w/ 2cm semi-massive py-gn veinlet in dark grey smoky qtz gangue; at 25˚ TCA
		95.55	95.80	GN	Qtz-Fls Gn	Strngly silicified interval, c.g.; few irregularly oriented 1-2 mm wide Sx-Qtz stngers; qtz is smoky gry-blk w/ Py plus fine sooty blk Sx
		95.80	95.90	GN	Qtz-Fls Gn	Strngly silicified interval w/ 5cm irregular semi-massive py-gn veinlet in dark grey smoky qtz gangue; eroded and vuggy

		95.90	96.42	GN	Qtz-Fls Gn	Mod silicified interval, c.g.; few irregularly oriented 1-2 mm wide Sx-Qtz stngers; qtz is smoky gry-blk w/ Py plus fine sooty blk Sx
		96.42	96.60	GN	Qtz-Fls Gn	Wk-mod silicified interval w/ two parallel 2cm wide irregular semi-massive py-gn veinlet in dark grey smoky qtz gangue; eroded and vuggy; at 030˚ TCA
		96.60	96.85	GN	Qtz-Fls Gn	Stng bleaching; softer than above; sil is waning
		96.85	96.95	VN	Footwall Zone	Semi-massive - massive SX-Qtz vein; vuggy eroded look; measures 10 cm in core length; probably 7cm true width; oriented steeply at 035˚ TCA; about 85% of volume is Sx; fine masses and disseminations of gn-asp-py-sph w/ clotty py and clotty gn in silica gangue; spotty hem alt; skorodite on open fracs and down center of zone; local drusy cavaties
		96.95	98.40	GN	Qtz-Fls Gn	Strng bleaching; softer than above; sil is waning; few narrow py-sx stngers
		98.40	98.50	GO	Clay Gouge	Pale yw-gry clay gouge; lower slickensided contact at 030˚ TCA
		98.50	99.21	FLT	Breccia	Strng bleaching; softer than above; sil is waning; mod silicified interval, looks like silica healed breccia; equant, rounded and angular frags; few irregularly oriented 1-2 mm wide Sx-Qtz stngers and clots; qtz is smoky gry-blk w/ Py plus fine sooty blk Sx
		99.21	99.43	VN	QTZ VN	Amorphous gry-pale grn silica; intensely fractured and sheared
		99.43	99.55	FLT	Breccia	Mod silicified interval, looks like silica healed breccia; equant, rounded and angular frags; few irregularly oriented 1-2 mm wide Sx-Qtz stngers and clots; qtz is smoky gry-blk w/ Py plus fine sooty blk Sx
		99.55	102.40	GN	Qtz-Fls Gn	Very pale gry; mod bleaching; pervasive wk ser alt; narrow mm scale yellow clay-qtz-py shears sub // TCA; unit is slightly soft; poorly develop fol'n @ 040˚ TCA; sil'n pervasive mod to strng down to about 101.5 m then decreasing to patchy; fol'n // smoky qtz ± py stngers
		102.40	104.30	FLT	Fault	Pale yw-or; felsic gneiss but abrupt change to flt zone; upper contact is drill ground; bottom contact is obscured and pulverized; unit is broken, fractured friable rubble w/ narrow soft gouge zones; no orientation obvious; might be faulted contact w/ underlying basement QFP; strng patchy Lim overprint
104.30	119.80	104.30	104.55	FLT	Fault	Pale gry-grn; pervasive strng sil'n; altered equant fspar xstalls in aphanitic siliceous mtx; pervasive wk chl-ser alt; wk lim alt
		104.55	104.70	BX	Breccia	2cm wide brecciated Sx-Qtz stnger at 020˚ TCA in brecciated silicified QFP; Sx are dusty black fine grained
		104.70	105.00	GO	Gouge	Pale yw; soft clayey gouge w/ brecciated sil'n frags and milled qtz frags; must be re-activated fault
		105.00	105.55	FLT	Fault	Pale gry; fractured broken interval of sil'n brecciated QFP; Strng lim on open fracs; common frac pattern at 020˚ TCA
		105.55	105.80	FLT	Fault	Pale yw-grn-or; soft friable broken fractured interval; poorly cored;
		105.80	106.15	GO	Gouge	Pale yw-or; soft clayey gouge; very soft friable; local crumbly
		106.15	107.40	FLT	Fault	Broken busted fractured frags of strngly sil altered QFP; microsheared and brecciated look at 045˚ TCA; re-broken breccia
		107.40	107.45	GO	Gouge	Soft yw clay gouge; at 020˚ TCA
		107.45	111.65	QFP	Qtz-Fls Porphyry	Pale gry; fw section to fault above; still broken overall with narrow 2-3 cm wide shear/clay gouge/strnger faults; at 015˚ to 030˚ TCA; about 1-2 per meter down to about 109.12 m. Unit is pervasive stngly sil alt; fspars phenocrysts are 1-2mm long & pale yw and weakly alt; equant to rhomb shaped qtz phenocrysts are 0.5-1mm; common Lim coated open fracs at 030˚ TCA

		111.65	111.85	VT	Qtz-Sx	Narrow 2cm wide pitted vuggy Sx-Qtz vein comprised of fine Py and dark gry-black fine sooty sulphides; veinlet at 020˚ TCA
		111.85	112.75	QFP	Qtz-Fls Porphyry	Pale gry; broken fractured interval; long open multi-colored oxide coated fracs at 030˚ TCA; about 1-2 per meter
		112.75	113.30	FLT	Breccia	Pale Gry-yw; brecciated sil QFP frags
		113.30	113.60	GO	Gouge	Pale yw; soft clayey gouge w/ brecciated sil'n frags and milled qtz frags; must be re-activated fault
		113.60	114.20	BX	Breccia	Pale yw-or; clay healed silicified breccia frags
		114.20	114.70	FLT	Breccia	Pale Gry-yw; brecciated sil QFP frags and rubbly broken poorly cored sections
		114.70	116.00	FLT	Fault	Pale yw-or-gry; blched; rubbly crumbly friable section; narrow-scale clay gouge/shears runing down length of core (tubing the fault); at 010 to 025˚ TCA; strng clay alt; interstitial; on open fractures and healing shears
		116.00	117.35	BX	Breccia	Pale or-yw-gry; better cored section; strngly silifcified with narrow-scale clay shears and multiple random healed fracs; brecciated look; strng lim alt especially on open fracs
		117.35	118.00	VN	Qtz-Sx Breccia	Pale gry-blk-grn-or-yw; varicolored; unusual breccia texture; clotty to fine grained masses of py and blk sooty Sx in smoky gry blk aphanitic vuggy qtz enveloping large angular and subrounded silcified QFP frags; frags up to 5cm across; probably 20% sulphides overall
		118.00	119.80	BX	Breccia	Pale to dark Or; brecciated QFP; shattered look; shatter planes at 040˚ TCA; pervasive strng sil'n
119.80	122.20			GN	Qtz-Fls Gn	Pale to dark or; well fol'n banded gn w/ altered mafic banding at 050˚ TCA; weak soft; strngly chl-lim alt; must be block faulted gneiss (down-dropped)
		121.25	122.20			Lost core; orange colored mud recovered; hole lost circulation and rods sticking
122.20	122.53			QFP	Qtz-Fls Porphyry	Pale grn-gry-or; strng pervasive sil'n; soft fspars are lim altered; weak pervasive ser and chl; lim coated open fracs; mostly rubble to EOH
122.53						EOH - hole stopped in difficult ground conditions

Hole Id:		DDH-10-250													
Logged By:		K. MacDonald													
Interval				Lithology		Mineralization							Assay		
From	To	Width	Sample	Code	Lithology	Py%	Asp%	Gn%	Sp%	Cp%	FSx%	Mnzn Style	Au(GM/T)	Ag(PPM)	Ag(GM/T)
5.41	6.41	1.00	**523312**	GN	Gneiss								0.011	<0.5	
6.41	7.50	1.09	**523313**	GN	Gneiss	2						C	0.037	<0.5	
7.50	8.50	1.00	**523314**	AMP	Amphibolite								0.016	<0.5	
			523315		STD PM923								5.646	81	
8.50	11.58	3.08	**523316**	BX/FLT	Breccia/Fault	1						C, L	0.028	<0.5	
11.58	16.15	4.57	**523317**	FLT	Fault	3						C, Z, ST	0.023	1.2	
16.15	21.20	5.05	**523318**	FLT	Fault								<0.005	<0.5	
21.20	22.20	1.00	**523319**	FLT	Fault								<0.005	<0.5	
58.60	59.10	0.50	**523320**	GN	Quartzite	<1						D, C	<0.005	<0.5	
59.10	60.10	1.00	**523321**	GN	Qtz-Fls Gn	<2						D, ST	0.009	<0.5	
60.10	61.10	1.00	**523322**	GN	Qtz-Fls Gn	<1						D, ST	<0.005	<0.5	
61.10	62.20	1.10	**523323**	GN	Quartzite								<0.005	<0.5	
62.20	63.50	1.30	**523324**	GN	Qtz-Fls Gn/Quartzite	<1						D	<0.005	<0.5	
79.54	81.55	2.01	**523325**	GN	Qtz-Fls Gn	<1						D	0.059	0.7	
81.55	83.00	1.45	**523326**	GN	Felsic Gneiss	<1						D	0.201	0.9	
83.00	84.00	1.00	**523327**	FLT	Felsic Gneiss	<2					<1	ST	0.622	>200.0	300
84.00	85.00	1.00	**523328**	GN	Qtz-Fls Gn	<1					<1	D, C, ST, Z	0.345	11	
			523329		STD PM923								5.863	93.4	
85.00	86.78	1.78	**523330**	GN	Qtz-Fls Gn	<1					<1	D, C, ST, Z	0.689	6.2	
86.78	87.78	1.00	**523331**	FLT	Felsic Gneiss	<2			<1		<1	D, C, ST, Z	0.475	17.5	
87.78	88.25	0.47	**523332**	FLT	Breccia	<2						C	0.401	11.2	
88.25	90.40	2.15	**523333**	GN	Qtz-Fls Gn								0.498	9.8	
90.40	91.40	1.00	**523334**	GN	Qtz-Fls Gn								0.29	7	
91.40	92.12	0.72	**523335**	GN	Qtz-Fls Gn	<5		<1	<1			D, C, I, ST, M	5.31	>200.0	492
92.12	92.99	0.87	**523336**	GN	Qtz-Fls Gn	<5					<2	C, D, ST	0.882	70.2	
92.99	93.65	0.66	**523337**	VT	Hangingwall Zone	<10	<1	<1	<1		<5	M, C, ST	4.558	8.7	
93.65	94.10	0.45	**523338**	VN	Main Zone	35	10	15	15			M, Z, C	>10.000	>200.0	527
			523339		STD CU171								0.218	14.8	

Interval				Lithology		Mineralization							Assay		
From	To	Width	Sample	Code	Lithology	Py%	Asp%	Gn%	Sp%	Cp%	FSx%	Mnzn Style	Au(GM/T)	Ag(PPM)	Ag(GM/T)
94.10	94.72	0.62	**523340**	GN	Qtz-Fls Gn	<2					<1	St, C	0.954	6.8	
94.72	95.40	0.68	**523341**	GN	Qtz-Fls Gn	15	5	5	5		5	VN, C, D	5.97	>200.0	193
95.40	95.90	0.50	**523342**	GN	Qtz-Fls Gn	<5		<2			<1	VT, M	4.218	114.8	
95.90	96.95	1.05	**523343**	GN	Qtz-Fls Gn	7	2	4	2		3	VN, VT, ST	5.093	72.4	
96.95	98.40	1.45	**523344**	GN	Qtz-Fls Gn	<1					<1	St	0.609	4.2	
98.40	99.40	1.00	**523345**	FLT	Breccia	<1					<1	ST	1.285	38.5	
99.40	100.40	1.00	**523346**	GN	Qtz-Fls Gn	<1					<1	ST	0.544	14.2	
			523347		MARBLE BLANK								0.009	<0.5	
104.00	104.50	0.50	**523348**	FLT	Fault								0.26	5.8	
104.50	105.00	0.50	**523349**	QFP	Qtz-Fls Porphyry	<2					<1	VT	0.731	19.8	
105.00	105.50	0.50	**523350**	FLT	Fault								0.034	1.6	
111.00	111.50	0.50	**523351**	QFP	Qtz-Fls Porphyry								0.113	7.5	
111.50	112.00	0.50	**523352**	QFP	Qtz-Fls Porphyry	<2					<1	VT	0.096	10.9	
112.00	112.50	0.50	**523353**	QFP	Qtz-Fls Porphyry								0.205	42.2	
115.00	116.00	1.00	**523354**	FLT	Fault								0.573	30	
116.00	117.00	1.00	**523355**	BX	Breccia								0.522	19.7	
117.00	118.00	1.00	**523356**	VN	Qtz-Sx Breccia	15					5	D, C	0.574	28.8	
118.00	119.80	1.80	**523357**	BX	Breccia								0.436	17.4	
119.80	121.25	1.45	**523358**	GN	Qtz-Fls Gn								0.048	3.7	
			523359		STD PM404								0.379	1	

Hole Id: DDH-10-251

Property: Mt. Nansen
Area: Flex Zone
Client: Nantawa Resources

Logged By: K. MacDonald
Date Logged: Aug. 16, 2010

COAST MOUNTAIN GEOLOGICAL LTD.

Collar Location:

Actual:

Datum:	NAD83, Zone 8		
Easting:	386661	Azimuth:	078°
Northing:	6881976	Dip:	-65
Elevation:	1364	Length:	133.5

** Collar location shifted slightly from proposed to be on level ground, az changed to fit collar

Proposed:

Easting:		Azimuth:	
Northing:		Dip:	
Elevation:		Length:	

Survey Type:	Ranger Single Shot		
Distance	Azi	Dip	Accept
n/a			n/a

Ranger instrument failed; acid failed; no information available

Drilling Information:

Contractor:	Top Rank
Core Diameter:	BTW
Start Date:	08/14/10
End Date:	08/17/10
Casing In:	No
Casing Capped:	No
Units:	Metric

Hole Objective: test flex zone 25m strike extent NW of collar of DDH 10-240/10-248. -65° dip only on this set-up as 50° dip doesn't appear to catch much of the zone.

Hole Summary: The hole intersected felsic and mafic gneiss bands from surface to 103.20m. From 103.2m to 123.30m the hole encountered quartz-feldpsar porphyry before re-entering intensely clay/chlorite altered mafic gneiss. The lithology from 88.50m to 108.75m is unrecognizable; suspect intercalated bands of both felsic and mafic gneiss with strong structural impact and related alteration. Basement QFP was reached at 103.20m. Local intervals of QFP breccia have anastomosing and braided smoky grey-black quartz with sulphidic cast and sparkly bright pyrite rimming breccia fragments. Pyrite is also observed studded within fragments and as clots. Some breccia fragments have tiny smoky grey quartz microstringers suggesting veining is post-breccia and silicification is episodic. Strong chlorite alteration of fragments is evident. Gangue is vuggy and rotten looking with an overall sense of orientation at 030° TCA. Locally sulphides consist of intergrown laths of galena and brown sphalerite; ptrite tends to be clotty or dissiminated on its own in quartz gangue or at the eroded edges of sulphide laths; and possibly represents a later mineralizing event. Small mm-scale clay-quartz stringers at 120° TCA are seen to cross-cut breccia; giving rebrecciated look to unit (episodic). Hole must be aligned on (passing in and out of) basement contact; or starting to penetrate downthrown gneissic block.

Lithology Summary

From	To	Lith	Comment
0.00	5.25	OB	Overburden
5.25	19.10	GN	Qtz-Fls Gneiss
19.10	20.43	GN	Felsic Gneiss
20.43	42.25	AMP	Amphibolite
42.25	43.90	GN	Qtz-Fls Gneiss
43.90	45.05	AMP	Amphibolite
45.05	46.40	GN	Felsic Gneiss
46.40	61.50	AMP	Amphibolite
61.50	84.70	GN	Qtz-Fls Gneiss
84.70	103.20	GN	Gneiss
103.20	116.20	QFP?	Qtz-Fls Porphyry?
116.20	118.00	BX	Breccia
118.00	123.30	QFP	Qtz-Fls Porphyry
123.30	133.50	AMP	Amphibolite
133.5			EOH

Hole Id:	DDH 10-251					
Logged By:	**K. MacDonald**					
Primary		**Secondary**		**Lith Code**	**Lithology**	**Description**
From	To	From	To			
0.00	5.00			OB	Overburden	Casing
5.00	5.25			OB	Overburden	Broken, rubbly, drill-ground amphibolite
5.25	19.10			GN	Qtz-Fls Gneiss	Unit is generally f.g. and well foliated; differential alteration downhole thru some sections; pervasive wk to mod to strng local chl; Lim overprint is variable
		5.25	6.00			Drk gry-blk w/ patchy Or; well fol'n @ 050˚ TCA; strng to locally int Mn-Lim alt; wk pervasive chl underprint; common open oxide coated fracs @ 050˚ TCA; few long open fracs // TCA
		6.00	8.15			Pale to mod Or; as above; mod to strng lim alt; might be patchy sil; and underlying wk ser alt; interval is mod fractured and broken;12 -15 fracs per meter
		8.15	10.06			Varicolored pale grn & or; soft broken interval; strng chl al; wk clay alt; broken fractured w/ strng oxide coatings on open fracs; some loast core and wash at end of interval
		10.06	10.16			Pale grn; mod to strng chl alt; well fol'n @ 050˚ TCA
		10.16	10.25			Mod grn; chl healed breccia w/ opaque qtz
		10.25	10.85			Pale grn; strng local shear fabric and microbreccia texture at 030˚ TCA
		10.85	13.35			Pale grn-yw w/ patchy or; well fol'n @ 050˚ TCA; wk pervasive to patchy mod chl; wk
		13.35	13.40	FLT	Clay Gouge	Pale grn-yw clay gouge
		13.40	13.75			Pale or-w/ patchy grn; wk pervasive lim alt; chl alt appears to be waning; some dark grn clots and wk pervasive chl
		13.75	15.60			Pale gry-grn-or; strng local chl alt of spotty mafics; local strng sil'n as qtz sweats and stngers // to gn banding; qtz-chl veinlets and strngers @ 030˚ TCA; wk pervasive lim; multiple // lim coated fracs @ 040˚ TCA
		15.60	16.65			Pale gry-or; well fol'n at 040˚ TCA; wk pervasive chl alt; overprinted with pervasive mod-locally strng sil'n; overprinted w/ patchy strng lim
		16.65	17.90			Mod to drk Or; well fol'n at 040˚ TCA; pervasive mod to strng lim oxidation; int local Mn alt; mutiple Mn coated open fracs // to fol'n

		17.90	18.20	AMP	Amphibolite	Dark gry-blk-or mafic band; blched and weathered; probably amphibolite
		18.20	18.30	FLT	Clay Gouge	Mod or clayey soft interval; possibly minor gouge
		18.30	19.10			Pale or; stng to int pervasive lim weathering; well fol'n at 050˚ TCA; local mod sil'n; some qtz sweats // to fol'n
19.10	20.43			GN	Felsic Gneiss	Pale to mod or; poor fol'n and no obvious gneissic banding; f.g. to aphanitic; tiny but
20.43	42.25			AMP	Amphibolite	Large interval of dark, well fol'n mafic gneiss; pervasive chl thru-out; increasing below 30 m to strng alt.
		20.43	21.35			Pale or-yw-gry; stripped coloration; pervasive strng ser alt overprinted by strng lim; probably a mafic band; strng fol'n at 060˚ TCA; Lim & Mn coatings on open fracs; also ser coating on open fracs // to fol'n
		21.35	22.15			Pale or-grn-gry; as above but increasing sil alt. Intercalated felsic bands. Strng local chl alt including mm scale chl veinlets; py clots
		22.15	22.90			Med grn-gry w/ patchy or; well fol'n at 050˚ TCA; marked by clear to opaque mm scale qtz; strng pervasive chl alt; strng pervasive sil;
		22.90	23.55			Patchy or-pale green; welll fol'n; pervasive ser-chl-sil alt; overprinted by patchy lim
		23.55	23.63			Gry-grn; wk to mod pervasive chl-lim-sil; patchy ser alt; minor py strung out along fol'n planes at 050˚ TCA
		23.63	24.10			As above w/ felsic banding and qtz sweats and mm scale opague stringers
		24.10	24.60			Pale gry-grn; soft section; fol'n // shears at upper contact
		24.60	25.30	BX	Breccia	Speckled white-grn-yw; qtz-chl healed breccia; oriented // to fol'n at 050˚ TCA; strng shear fabric; strng chl-sil alt; abundant lim coated microshears // to fol'n in wall rock
		25.30	28.37			Intercalated felsic and biotite rich mafic bands; f.g. to local coarse grained; strngly to int sil'n; pervasive mod to strng chl; patchy ser
		28.37	29.72			Pale or-grn; c.g.; well fol'n; pervasive mod ser-chl alt; patchy strng sil alt; some soft sections; strng lim overprint; well fol'n at 040˚ TCA; last 75 cm is broken and fractured
		29.72	31.55			Blk-gry-grn; patchy or lim alt; v.f.g; mod pervasive chl-ser; strng sil; well fol'n at 050˚ TCA

Primary		Secondary		Lith Code	Lithology	Description
From	To	From	To			
		31.55	31.60	GO	Gouge	Yw-grn clay gouge; strng chl alt and shearing
		31.60	33.12	SH	Shears	Blk-gry-grn; patchy or lim alt; v.f.g; mod pervasive ser; strng pervasive chl; patchy sil; well fol'n at 050˚
		33.12	33.30	GO	Gouge	Soft clayey sheared interval; strng chl alt. Shearing // to fol'n at 045˚ TCA
		33.30	33.65			Blk-gry-grn; patchy or lim alt; v.f.g; mod pervasive chl; patchy ser; mod sil; well fol'n at 050˚ TCA
		33.65	34.00			Pale or-grn; soft, broken; sheared interval
		34.00	35.95			Drk grn-blk; v.f.g.; pervasive mod-strng chl-ser; mod passing downhole to strng sil alt; quartz stringers at 030˚ TCA; also few // to fol'n at 035˚ TCA
		35.95	36.50			As above w/ spider-webbed chl stringers and microshears
		36.50	36.80	BX	Breccia	Speckled blk-grn-yw-wht; qtz-chl healed breccia; oriented // to fol'n at 050˚ TCA; strng shear fabric; strng chl-sil alt
		36.80	37.00			Drk grn-blk; v.f.g.; well fol'n; slightly soft, sil is waning locally; pervasive mod-strng chl-ser; fol'n at 030˚ TCA
		37.00	39.40			Drk blk-grn; v.f.g.; strng pervasive chl-sil alt; spotty ser alt; cross-cutting lim stngers; locally wavy fol'n (folding)
		39.40	40.30	Flt	Fault?	Dark or-grn-blk; very soft; broken crumbly friable; int lim alt; 5cm yw-grn clay gouge at bottom contact; orientation unclear
		40.30	42.25			Pale gry-grn-or; m.g.; transitional to more felsic bands below; mod pervasive chl ± ser alt; wk sil; strng local lim weathering passing downhole to pervasive strng
42.25	43.90			GN	Qtz-Fls Gneiss	Pale or; speckled wht-pale grn; m.g.; pervasive wk to mod blching; has wk crackle breccia texture; local chl alt of mafics; mod to strng lim alt of fspars; wk pervasive sil alt
43.90	45.05			AMP	Amphibolite	Pale grn-gry-or; well fol'n at 050˚ TCA; intercalated f.g. and m.g. bands; some transitional to mafic rich to more felsic; pervasive mod chl alt; wk sil
45.05	46.40			GN	Felsic Gneiss	Pale or-gry; f.g.; well fol'n; probably strngly lim alt felsic gn w/ narrow mafic bands; disrupted fol'n; roughly 050˚ TCA
		45.95	46.15			Pale or-wht; strngly lim alt felsic band w/ qtz sweats and opaque qtz stringers; has wk breccia texture
		46.15	46.40	BX	Breccia	Pale or-wht; broken rubbly section w/ broken brecciated opaque silicified qtz-lim frags; must be rebroken old breccia interval

46.40	61.50				Amphibolite	Varicolored drk gry-grn-blk w/ patchy to locally int or; variable grain size and fol'n development; large
		46.40	46.95			Pale or-grn-gry; f.g.; poor fol'n at roughly 040˚ TCA; migmatized; irregular banding; pervasive wk chl & sil; strng lim overprint
		46.95	47.74			Pale gry-or; well segregated wavy mm-scale felsic/mafic bands at 050˚ TCA; creamy yw-wht opaque qtz strngers // to bands; wk pervasive chl-sil
		47.74	48.40			Pale or-wht; highly contorted wavy segregated mm-scale bands; disrupted sequence; soft; wk clay alt (kaolinite?) of fspar
		48.40	48.60			Pale gry-grn; felsic band; strng sil'n; wk patchy chl alt; irregular banding
		48.60	48.70			Pale or-grn; f.g. Mafic band; pervasive mod chl alt; wk sil
		48.70	48.80			Mod or; wk broken soft interval
		48.80	49.55			Pale to med or; local dendritic blk; principally mafic but contorted mafic and felsic banding evident; strng pervasive lim alt; local fine dendritic branching Mn alt; oxide coated common fracs at 030˚ TCA
		49.55	49.60	SH	Shearing	Dark or; weak, soft, sheared interval; fol'n //
		49.60	50.80			Pale gry-wht-or; highly contorted irregular felsic banding mixed with mafic bands; creamy yw-wht qtz stringers at roughly 020˚ TCA; minor diss py at selvages; fol'n seems to be at 030˚ TCA; also close spaced fracs and microshears at 030˚ TCA; increasing wk to strng pervasive sil downhole; wk pervasive chl; strng lim overprint
		50.80	51.25			Dark gry-blk w/ pale green-clear-opaque qtz veining; f.g. mafic bands cut by pale grn-wht qtz veinlets and strngers; roughly at 040˚;pervasive chl and sil alt; lim overprint; tr py
		51.25	52.95	VN	Quartz	Dark or-grn-gry; f.g.; well fol'n mafic gneiss banding; fairly soft, broken rubbly interval w/ abundant chloritized qtz-gangue fragments;
		52.95	53.40			Dark or-grn-blk; f.g. Migmatized mafic banding; pervasive mod chl alt; strng to int lim overprint; dendritic Mn oxide; slightly soft section; irregular qtz sweats (wk sil'n); banding roughly oriented at 040˚ TCA
		53.40	53.80	Flt	Fault?	Med or; very soft sheared and broken interval; chl-lim-clay alt
		53.80	54.50			Drk gry-grn-blk; patchy or; v.f.g mafic band; well fol'n; pervasive chl; wk sil; patchy lim
		54.50	56.50	Flt	Fault?	Med-drk or; f.g.; well fol'n; slightly soft to locally mushy soft; clayey broken intervals within section; very fractured; strngly lim alt;probably overtop of penetrative and pervasive chl; common oxide coated open fracs at 040˚ TCA (15-20/m)
		56.50	59.20			Drk grn-blk w/ patchy or overprint; rythmic; alternating v.f.g to m.g. Narrow bands // to well developed fol'n at 060˚ TCA; strng pervasive chl alt; strng local sil alt

DDH-10-251: Detailed Log Cont.

Primary From	Primary To	Secondary From	Secondary To	Lith	Lithology	Description
		59.20	60.35	QRT	Quartzite	Pale gry-yw-grn; bleached; wk lim al. Quartzite band in well fol'n bleached chl altered mafic gn; unit is strngly broken and fractured
		60.35	61.50			Drk grn-blk w/ patchy or overprint; rythmic alternating v.f.g to m.g. Narrow bands // to well developed fol'n at 070˚ TCA; strng pervasive chl alt
61.50	84.70			GN	Qtz-Fls Gneiss	Suspect strng bleaching, chl alt and and overprinting lim alt may be masking mafic lithology; herein called felsic gneiss but may more properly be mafic
		61.50	61.55	GO	Gouge	Mod grn-gry pale yw clay gouge; strongly sheared; probably // to fol'n (broken)
		61.55	63.20	Clay	Clay altered Gn	White to pale cream; intensely blched and very soft clayey interval; badly broken; strng clay alt; local deep red hem alt; lim overprint;
		63.20	63.60	SH	Shear Zone	Pale grn-or; strngly blched; assume fol'n felsic gneiss; slight silification; strong penetrative shear fabric evident at about 0˚ TCA (// to core axis); unit is well cored with chlorite clay fracture coatings and local shear gouges
		63.60	64.90	SH	Shear Zone	Same as above; pervasive strng sil'n; no clay coatings or narrow clayey gouges but shear fabric is well developed at 025˚ TCA
		64.90	65.90			Pale yw-or-gry; well fol'n at 040˚ TCA; blched gn; criss-crossed with lim strngers; patchy wk chl alt overprinted by pervasive mod lim
		65.90	67.35			Mod or-pale gry-yw; blched; m.g.; well fol'n at 040˚ TCA; pervasive wk sil'n; pale grn chl alt of mafics overprinted by pervasive mod to strng lim alt.; Mn strngers and open frac coatings
		67.35	67.40	GO	Gouge	Drk or clay gouge; small qtz chips; probably // to fol'n
		67.40	68.70			Mod to drk or; well fol'n to locally disrupted; banded 'migmatic' appearance; pervasive mod passing downhole to int sil'n and blching;narrow sil healed 'old' breccias (cm wide); local stockworked opague qtz strngers and sweats; multiple oxide coated open fracs at 040˚ TCA
		68.70	69.05	BX	Breccia	As above w/ rusty and vuggy opaque and locally smoky silica enveloping lim alt gn frags; minor pitted py vugs; no sulphides but looks like the host type zone; might be oriented at 030˚ TCA
		69.05	70.40			Pale yw-or-gry; well fol'n at 050˚ TCA; pervasive mod sil'n decreasing downhole; stng local lim overprint; few drusy qtz strngers; one narrow sil-lim breccia at 69.4m; becoming softer downhole and more blched and fractured

		70.40	72.70	Clay	Clay altered Gn	White to pale creamy yw; intensely blched and very soft clayey interval; badly broken; strng clay alt; clay has pale green tinge;probably kaolinite alt of chloritized mafics
		72.70	74.80	Clay	Clay altered Gn	White to pale creamy yw soft, friable to clayey intervals with stngly silicified fol'n blched and lim altered intervals of gn (10-20 cm long); must be anastomosing and braided shearing and faulting over entire interval from above; some intensely blched and very soft clayey intervals; badly broken throughout; strng clay alt; clay has pale green tinge; probably kaolinite alt of chloritized mafics
		74.80	75.40	Clay	Clay altered	Creamy Yw-very pale green; soft clayey interval; strng shear fabric // TCA
		75.40	75.50	GO	Gouge	Cream yw-wht-pale or clay; no contacts preserved; cored as mush
		75.50	77.00	Clay	Clay altered Gn	Creamy Yw-very pale green; soft friable crumbly material; local lim and mn overprint; stngly blched; intensely fractured rubble
		77.00	78.95	Clay	Clay altered Gn	Pale to med or; stng pervasive lim alt; soft friable section; like above except much stronger lim overprint; and not as soft or clayey;
		78.95	79.70	VN	Quartz	Intensely broken fractured rubble; strong lim overprint on strng to int silicified frags; must be busted qtz vn or qtz healed breccia at 030˚ TCA
		79.70	81.30			Pale to mod or; strongly lim alt rubble and intensely fractured frags of gn; seems to have strong fabric at 015˚ TCA; might be shear fabric; seem to be 'tubing' a structure
		81.30	81.50	VN	Quartz	Intensely broken fractured rubble; strong lim overprint on strng to int silicified frags; must be busted qtz vn or qtz healed breccia
		81.50	82.00			Pale to mod or; strongly lim alt rubble and intensely fractured frags of gn; seems to have strong fabric at 015˚ TCA; blched; pervasive sil of frags; might be shear fabric // to TCA
		82.00	82.80			Pale or-yw blched broken section of gn w/ discrete steep opaque white to smoky qtz strngers and veinlets; seem to be at about between 0˚ and 30˚ TCA; sharp but irregular contcats; minor py
		82.80	83.30			Pale or-grn-gry; seems to have steep chl coated shear fabric at 030˚ TCA; strngly sil frags, broken fractured interval
		83.30	84.70			Pale or; strng lim altered; overprinting mod pervasive sil'n. Common open fracs at 040˚ TCA; long, drusy pitted qtz striners // TCA
84.7	103.20			GN	Gneiss	NOTE: rock type from 88.50 to 108.75 is unrecognizable; suspect intercalated bands of both felsic and mafic gneiss; strong structural impact and related alteration

DDH-10-251: Detailed Log Cont.

Primary		Secondary		Lith Code	Lithology	Description
From	To	From	To			
		84.70	86.20	Clay	Clay altered Gn	Pale yw-grn; strngly clay altered interval; broken; poor core recovery, several narrow clay gouges w/ milled qtz frags; <10cm wide
		86.20	87.80			Pale grn w/ patchy or; mod silicified and weak pervasive chl alt; patchy lim; has sheared look; shearing at 010˚ TCA; several narrow
		87.80	88.55	BX	Breccia	Pale grn-wht; silicified chl breccia; variable clast size; small mm-scale qtz frags; larger cm-scale chl-alt frags; vuggy pitted texture
		88.55	89.30			Or; strongly broken fractured interval; rubbly chl altered frags w/ intense lim overprint
		89.30	92.35	FLT	Fault	Mod to dark or; intensely broken, fractured and locally sheared; poor core recovery; wash out. Unit is mainly soft, friable and crumbly, with local narrow intensely green-yellow clay (kaolinite?) gouges or sheared sections; stronly to intense lim overprint on strngly chl altered
		92.35	92.45	SX-	Clay altered	Dark sooty sulphidic clay; will sample
		92.45	94.50	Clay	Clay altered Gn	Poor core recovery; wash and drill-ground rubbly broken core; soft w/ local clay gouge intervals and chunks of silicified gn
		94.50	95.10			Pale grn-wht-or; blched; local strng sil'n; chl altered; well fol'n at 030˚ TCA
		95.10	95.40	SX-	Clay altered	Mod or-pale grn; blched; strng chl alt; overprinted w/ strong lim weathereing; slightly soft;
		95.40	96.30			Wash out; core loss
		96.30	98.15	SX-Clay	Clay altered Gn	Pale grn-gry-wht w/ patchy or; intensely blched; soft friable broken sections, local clay intervals; narrow strongly silicified fol'n gn; sooty sx in clayey sections; also narrow sx-qtx stringers cutting better cored and more competenet sections; studded diss py in mtx. Will sample
		98.15	98.45			Pale grn-yw-wht w/ patchy or lim; strng to intense sil overprinting strng chl alt
		98.45	101.20			Pale grn-yw-wht; intensely broken, friable, fractured interval
		101.20	101.50			Wash out; core loss; some blched silicified sections; c.g. to weakly porphyritic; locally studded w/ pyrite
		101.50	102.00	Clay	Clay altered	Yw-wht-pale or; soft strongly clay altered section;

		102.00	103.20	Clay	Clay altered Gn	Yw-wht w/ patchy or; soft, strongly clay-altered section; core loss; looks like it has remnant fol'n // TCA
	116.20	103.20	104.55	QFP?	Qtz-Fls Porphyry?	Broken rubbly blched drill-ground core; core loss; few pieces shattered, vuggy, silicified core; looks like rebroken breccia of QFP; some underlying chl alt still evident; strong or clay coated
		104.55	105.00	Clay	Clay	Very soft yellow-or clay; well-cored
		105.00	107.59	BX	Breccia	Pale olive grn-gry w/ patchy or; well silicified QFP breccia; pitted and locally vuggy texture; unit is fractured; some pieces look like crackle breccia; some core loss at upper contact with clay above; some pieces are shot with dark gry-blk quartz w/ sulphidic look; and studded with fine bright py; common open clean fracs at 050˚, will sample
		107.59	108.10	Clay	Clay	Very soft yellow-or clay; well-cored; looks like clay gouge w/ small qtz chips in clay mtx; faint suggestion of orientation at 040˚ TCA
		108.10	108.20	BX	Breccia	Broken silicified core; underlying remnant chl alt
		108.20	108.35	GO	Gouge	Healed yw clay gouge w/ abundant fine, milled, rounded and angular silicified QFP frags; preserved irregular lower contact; roughly //
		108.35	109.12	QFP	Qtz-Fls Porphyry	Dark or; strongly silicified; pitted vuggy texture; abundant tiny cracks all thru out; 'crackle breccia' look; few mm-scale dark smoky Qtz- Sx stringers w/ fine diss py; at 050˚ TCA
		109.12	109.60	SX BX	Sulphide Breccia	Varicolored pale grn-gry-blk w/ or overprint; strongly silicified QFP breccia with anastomosing and briaded smoky grey-blk qtz w/ sulphidic cast and sparkly bright py rimming breccia frags; also clotty py; overall sx content is probably <2 %; strong chl alt. of bx frags; some bx frags have tiny smoky gry qtz microstringers (qtz veining post-breccia?)
		109.60	114.75	QFP	Qtz-Fls Porphyry	Olive khaki grn w/ patchy or; strng to intensely silicified QFP; white-orange equant fspar xstalls set in aphanitic mtx; both clear and shattered opague qtz xstalls; most xstalls are less than 2mm on long axis; crystal volume is less that 5% of rock; multiple // lim cracks at 020˚ TCA (10-15/m); stringer smoky qtz at 040˚; maybe 1-2 per/m; associated locally w/ studded py clots

DDH-10-251: Detailed Log Cont.

Primary Intervals		Secondary Intervals		Lith Code	Lithology	Description
From	To	From	To			
		114.75	115.00	SX BX	Sulphide Breccia	HW Zone?. Varicolored pale grn-gry-blk w/ or overprint; strongly silicified QFP breccia with anastomosing and braided smoky grey- blk chalcedonic qtz w/ sulphidic cast. Large white mm-scale angular bull qtz frags (barren) set in sulphidic aphanitic gangue. Py rimming breccia frags and also studded within frags; overall sx content is probably <5 %; local strong chl alt. of bx frags; gangue is vuggy and rotten looking; matte purple sulphide in small clots (bornite?). Overall sense of orientation is 030˚ TCA. small mm-scale microshears at 050˚ TCA at lower contact
		115.00	115.30		Breccia	Pale khaki-olive grn; broken silicified core; underlying remnant chl alt.; well silicified QFP breccia w/ breccia frags that are themselves breccia (episodic breccias). Some breccia frags are smoky grey sulphidic-looking chalcedonic qtz studded with shiny diss py
		115.30	116.20	SX BX	Sulphide Breccia	Main Zone?. Varicolored pale grn-gry-blk w/ strong rusty or overprint; strongly silicified QFP breccia with anastomosing and briaded smoky grey-blk chalcedonic qtz w/ sulphidic cast. Sx consist of intergrown laths of galena and brown sphalerite; Py tends to be clotty or diss on its own in qtz gange or at eroded edges of laths; possibly a later mineralizing event; set in sulphidic aphanitic gangue. Much higher overall sx content; probably 10%; local strong chl alt. of bx frags; gangue is vuggy and rotten looking. Overall sense of orientation is 030˚ TCA. Small mm-scale clay-qtz at 120˚ and xcutting breccia; gives rebrecciated look to unit; must be episodic events
116.20	118.00	116.20	116.75	BX	Breccia	Lost core interval. Some recovered pieces; white blched v.f.g.; well fol'n siliceous felsic gneiss and one 5 cm fragment of limonite healed breccia w/milled qtz frags
		116.75	117.59	BX	Breccia	Pale gry-wht; blched; silicified although narrow clayey soft intervals appear between silicified blocks; large v.f.g. angular frags of wkly chloritized felsic gn and coarser m.g. to c.g. felsic gn; strng local chalcedonic shear/vein fabric at 020˚ TCA; wk pervasive ser alt of frags underprinting silica alt. Must be aligned on and in and out of basement contact; or starting to penetrate downthrown gn block at 116.75
		117.59	118.00	BX	Breccia	Pale or-gry; sheared, brecciated and healed with strong silica; locally rotten and vuggy; frags appear to be chl-sil altered QFP

118.00	123.30	118.00	119.25	QFP	Qtz-Fls Porphyry	Pale gry; silicified QFP w/ narrow grey amorphous silica shears running thru unit; shear intervals appear to be roughly oriented 030˚ TCA. Probably still brecciated.
		119.25	119.55	GO	Gouge	Pale gry-or-yw; soft clay gouge w/ tiny numerous milled chips; orientation is 020˚ TCA
		119.55	120.80	QFP	Qtz-Fls Porphyry	Pale gry w/ patchy Or; silicified QFP w/ narrow grey amorphous silica shears running thru unit; shear intervals appear to be roughly oriented 030˚ TCA. Probably still brecciated. Patchy strng lim alt.
		120.80	121.05	BX	Breccia	Local clay healed breccia frags of sil altered QFP; few diffuse sooty sulphide haloes with tiny diss of py impregnated in silica gangue
		121.05	121.60	QFP	Qtz-Fls	Rusty or-gry; busted shattered badly broken rubble
		121.60	122.83	BX	Breccia	Pale or; strongly lim weathered as overprint; unit is intensely sheared and silicified interval; local strong breccia texture; shear fabric at 030˚ TCA
		122.83	123.30	BX	Breccia	As above; much softer and more clay altered; bx frags are locally strngly chl altered
123.30	133.50					Faulted gneissic lithologies below basement: possible down-faulted block or hole is tubing the QFP contact
		123.30	124.00	AMP	Amphibolite	Stipped green-yw-patchy or; strongly chl-clay altered f.g. unit; probably was amphibolite; soft, broken, crumbly and friable; may be downthrown fault block or drill is perforating QFP/GN contact
		124.00	124.80	Clay	Clay altered Gn	Forest green-yw-w/ red overprint; intensely clay altered interval; might be mixture of chlorite and montmorillonite; poor recovery;nothing preserved
		124.80	126.70	Clay	Clay altered Gn	Dark green w/ patchy or overprint; intensely clay altered interval; no hematite overprint; might be mixture of chlorite and montmorillonite; poor recovery; nothing preserved
		126.70	127.10	AMP	Amphibolite	Dark green-blk; f.g., well fol'n at 050˚ TCA; very silicified broken core; underlying wk to patchy epidote-sericite alt; pervasive strong chl alt; narrow mm-scale crushed clay healed breccia intervals // TCA
		127.10	128.50	Clay	Clay altered	Dark green mushy clay w/ chl altered frags
		128.50	128.93	AMP	Amphibolite	Dark green; c.g. to porphyritic; looks like gabbro; wk fol'n and banded at 030˚ TCA; strong chl alt. Intense pervasive sil alt; qtz stringers and sweats // to fol'n
		128.93	129.70	GN	Felsic Gneiss	Pale grn-wht-speckled; very c.g. to porphyritic; wk hem alt of fspar; wk ser-chl alt; no obvious fol'n or banding; strongly broken fractured interval
		129.70	131.98	AMP	Amphibolite	Dark green; f.g. to m.g.; wk fol'n and banded at 040˚ TCA; strong chl alt. Slightly soft; broken and fractured

		131.98	133.50	AMP	Amphibolite	Dark green; f.g.; strong to intense chl alt. Slightly soft; badly broken and fractured rubble; wk hem alt on open fracs; tr py diss in mtx
133.50						EOH

DDH-10-251: Intervals and Attributes

Hole Id:		DDH-10-251												
Logged By:		K. MacDonald												
Interval				Lithology		Mineralization							Assay	
From	To	Width	Sample	Code	Lithology	Py%	Asp%	Gn%	Sp%	Cp%	FSx%	Mnzn Style	Au(GM/T)	Ag(PPM)
87.60	88.60	1.00	523360	BX	Breccia								0.594	8.5
88.60	92.35	3.75	523361	GN	Gneiss								0.826	8.9
92.35	94.50	2.15	523362	Clay	Clay altered Gn	<2					<1	D, C	0.227	1.9
523362d													0.233	1.7
94.50	95.10	0.60	523363	GN	Gneiss								0.018	<0.5
95.10	97.60	2.50	523364	SX-Clay	Clay altered Gn	<2					<1	C, D, ST	0.019	<0.5
97.60	98.45	0.85	523365	SX-Clay	Clay altered Gn								0.043	1.5
98.45	101.50	3.05	523366	Clay	Clay altered Gn	<2						D	0.073	0.7
101.50	104.55	3.05	523367	Clay	Clay altered Gn & QFP								0.581	7.6
104.55	107.59	3.04	523368	Clay, QFP BX	Clay, QFP Breccia	<1					<1	ST	1.05	25
107.59	109.12	1.53	523369	QFP, Clay, BX	Qtz-Fls Porphyry, Clay, Breccia	<1					<1	ST	0.441	12.2
109.12	110.64	1.52	523370	SX BX, QFP	Sulphide Breccia, Qtz-Fls Porphyry	<5					<2	ST, D, C	0.379	12.5
523371				DOLOMITE BLANK									<0.005	<0.5
110.64	113.69	3.05	523372	QFP	Qtz-Fls Porphyry	<1					<1	ST, D, C	0.198	6.3
113.69	114.75	1.06	523373	QFP	Qtz-Fls Porphyry	<1					<1	ST, D, C	0.017	3.3
114.75	116.74	1.99	523374	SX BX, QFP	Sulphide Breccia, Qtz-Fls Porphyry	<10		<2	<2		<4	ST, BX, D, C	2.053	184.1
523375				STD PM432									2.172	0.9
116.74	119.29	2.55	523376	QFP, BX	Qtz-Fls Porphyry, Breccia								0.032	4.3

Hole Id: DDH-10-252

Property: Mt. Nansen
Area: FLEX Zone
Client: Nantawa Resources

Logged By: K. MacDonald
Date Logged: 06-16-10

COAST MOUNTAIN GEOLOGICAL LTD.

Collar Location:

Actual:

Datum:	NAD83, Zone 8			
Easting:	386649	Azimuth:	78	2.4m accur
Northing:	6882020	Dip:	-65	
Elevation:	1385	Length:	121.92	

** Collar location shifted slightly from proposed to be on level ground, az changed to fit collar

Proposed:

Easting:	386645	Azimuth:	78
Northing:	6882017	Dip:	-65
Elevation:		Length:	

Survey Type: Ranger Single Shot

Distance	Azi	Dip	Accept
7.62	073.4	-64.8	y
30.48	076.0	-65.1	y
60.96	075.8	-64.5	y
91.44	073.6	-64.8	y
121.92	078.0	-64.0	y

Drilling Information:

Contractor:	Top Rank
Core Diameter:	BTW
Start Date:	06/17/10
End Date:	06/21/10
Casing In::	No
Casing Capped:	No
Units:	Metric

Hole Objective: test flex zone 50m strike extent NW of collar of DDH 10-251; also old collar 98-196. -65° dip only on this set-up as 50° dip doesn't appear to catch much of the zone (too high in the HW).

Lithology Summary

From	To	Lith	Comment
0.00	0.52	OB	Overburden
0.52	82.35	QFP	Qtz-Fls-Porphyry
82.35	86.20	GN	Felsic Gneiss?
86.20	88.55	QFP	Qtz-Fls-Porphyry?
88.55	88.80	GO	Gouge
88.80	110.95	QFP	Qtz-Fls-Porphyry?
110.95	111.52	BX/GN	Breccia/Mafic Gneiss?
111.52	115.80	GN	Felsic Gneiss
115.80	121.92	AMP	Amphibolite
121.92		EOH	

Hole Summary: Hole collared in strongly silicified quartz feldspar porphyry intrusive. From 82.35 to 86.2m the hole encountered strong brecciation, local clay gouges and fracturing. . Below 86.2 to 110.95 the hole re-entered QFP; with local narrow disrupted zones of fine sulphide-qtz bands and irregular veining from 96.8m to 101.3m. Sulphides consist primarily of pyrite w/ lesser amounts of very fine arsenopyrite, with skorodite alteration, and sphalerite. Total sulphide content is <5%.

The hole transitioned into an upper unit of disrupted and altered intercalated flesic and mafic gneiss from 110.95 to 115.8. Below 115.8m the hole entered very fine grained, dark grey-black, well foliated, silicified amphibolite/biotite gneiss with weak pervasive sericite-chlorite ± epidote alteration. The foliation is prominent at 030° TCA but the texture is somewhat variable and swirling; with some clear-opaque quartz sweats and stringers parallel to foliation; and a few swirling felsic bands. There is minor pyrite as fine disseminations and foliation-parallel clots and stringers. Hole seems to have nipped the pinched NW extension of the Flex Zone; or the veins have been offset off section by faulting.

Hole Id:		DDH-10-252				
Logged By:		K. MacDonald				
Primary		Secondary		Lith Code	Lithology	Description
From	To	From	To			
0.00	0.52			OB	Overburden	Casing
0.52	82.35			QFP	Qtz-Fls-Porphyry	Pale khaki-olive gr; 2-3mm equant fspar and slightly smaller and less well-formed subangular qtz xstalls set in gry-grn aphanitic mtx. Phenocrysts make up 10-15% of the rock volume. Unit is stongly silicified allmost entirely thru-out; with narrow exceptions of structure/clay alt. Weak yw alt of fspars; probably incipient clay alt. Patchy local mod. chl alt.
		0.52	9.39			Spidery fine network of limonite cracks and healed fractures roughly oriented at 50˚ TCA; from 10-15 per meter to locally 50-75/m(closely-spaced). Narrow silica healed clay breccia at 4.60m.
		9.39	9.90	BX	Breccia	Yw-clay cemented breccia rehealed w/ silica; breccia frags make up 75-80 % of unit; and are comprised of Qtz, QFP, and exotics that look like fine grained chloritized gneiss or volcanics
		11.80	15.00			Increasing lim and mn oxide weathering; pervasive wk to locally strng patchy lim; dendritic to patchy massive Mn; also open coated repetitive fracs at 130˚ TCA; and secondary set // TCA
		16.65	17.15			Irregular, patchy, swirling dark red-orange weathering; has slightly softened the strong silica alt. and pitted the fspar phenocrysts.
		20.90	23.50			Strongly broken and fractured interval; 20-35 fracs/m and commonly at 150˚ TCA; local yw clay coating open fracs; and narrow mm- scale gouges // to open fracs and w/ milled rounded frags of QFP in yw clay.
		24.30	26.70			Strong pervasive lim overprint; local mm-scale yw-grn chlorite-clay gouges on open fracs
		31.00	34.00			Repetitive, closed, healed Lim fracs at 15-20/m at 100˚ TCA
		34.00	35.90			Repetitive, long, open fracs sub// TCA; wk wht-pale orange clay-oxide coatings; core is diced up into narrow // disks

		35.90	40.85			Broken fractured interval. Pale or-wht clay coatings on open fracs; small narrow mm-scale clay gouges. Frac sets at 020˚ TCA and 050˚ TCA.
		45.20	46.85			Broken fractured interval. Pale or-wht clay coatings on open fracs; small narrow mm-scale clay gouges // to fracs. Multiple frac sets with dominant set at 010˚ TCA and secondary less altered set (later?) at 050˚ TCA.
		49.68	51.65			Long open clay-limonite coated fracs // TCA
		55.72	57.73			Long open clay-limonite coated fracs // and subparallel TCA; few local creamy yw-clay-limonite gouges w/ tiny chips of QFP; monomict, single phase, no real rotation; more of a crackle breccia caused by close-spaced fracturing w/ some local movement and crushing.
		59.13	61.40			Broken fractured interval. Pale or-black Lim-Mn coatings on open fracs; some local wht clay coatings on open fracs; frac sets at 030˚ TCA and 150˚.
		63.15	67.10			Increasing lim and mn oxide weathering; pervasive wk to locally strng patchy lim; dendritic to patchy massive Mn; also open coated repetitive fracs at 040˚ TCA
		67.40	68.80			Similar to above
		70.80	76.15			Mod-drk or; mod to strong pervasive limonite overprint on silicified QFP; patchy underlying chlorite alt.; mod-strng fracture pattern; strong lim-mn coated open fracs; common fracs at 020˚ TCA (8-10/m)˚; secondary set @050˚ TCA (3-5/m); local strong orange clay coating on open fracs; local strong mm-scale shearing and microbrecciation healed by silica @050˚ TCA and offset by post-breccia microfaults at 0-010˚ TCA; breccia clasts rimmed by thin blk Mn rind; and shears shot thru w/ lim
		76.60	77.11			Strong Mn coated fractures and breccia frags in lim-healed breccia; oriented about 020˚ TCA
		77.11	81.25			Weak local shear fabric w/ // lim healed fracs (10/cm); cross-cut by lim healed fracs at 020˚ and 050˚ TCA
		81.25	82.35			Variclored grn-gry-or; increasing lim weathering and slight decrease in sil from collar; unit seems to have more chl and distinctive banded appearance at 020˚ TCA; might be a silica healed shear fabric; strong shear/gouge zone over lowermost 10cm above contact with unit

82.35	86.20			GN	Felsic Gneiss?	Pale yw-grn w/patchy or; blched; well foliated (sheared?), f.g.; looks like altered felsic gneiss or extreme sheared, silicifed and well- preserved fault gouge; contact with overlying QFP is intact and planar and is oriented @035˚ // to fol'n; contact marked by few mm, altered qtz-chl healed shears; unit is pervasive wk to patchy local strong chl-ser alt, locally with clotty chlorite; still well silicified thruout, like QFP above, except for few narrow soft chlorite-clay shear intervals; few fol'n // clear to opaque, vuggy qtz stringers; patchy strng lim alt. Local strng shearing and brecciation over several cms; at 040˚ TCA. Unit might be downthrown fault block/sliver of gneiss or fault gouge (seems to have too repetitive a fol'n pattern and f.g. phenocrystic quartz thru-out for fault gouge).
		83.63	83.93	FLT	Fault	Mod-drk or; blched; mod to strong pervasive limonite overprint on brecciated gneiss; rough orientation appears to be 020˚ TCA, patchy underlying chlorite alt

Primary Intervals		Secondary Intervals		Lith Code	Lithology	Description
From	To	From	To			
		83.93	84.13	GO	Gouge	Mod or-yw; extremely altered/sheared orange clay gouge over last 20cm studded w/ milled chips
		84.13	85.75	CLY	Clay Altered	Drk or-pale yw; blched, intensely clay altered interval; friable, soft, broken; underlying mod chl alt, might still be gneiss; patchy strng lim
		85.75	86.10	CLY	Clay Altered	Pale yw; blched; strongly clay altered; probably still gneiss w/ remnant fol'n at 040˚; few narrow remnant very fine grained intervals banded with f.g. sections; clotty chl alt; patchy mod lim
		86.10	86.20	GO	Gouge	Last 10 cm at lower contact is tiny rounded qtz-milled grains in blched yw-or clay gouge.
86.20	88.55			QFP	Qtz-Fls-Porphyry?	Pale or-yw; blched; broken angular rock frags (looks like lim altered QFP chips) in mushy yw clay; rock frags are aphanitic and pale khaki grn-or. Large 10cm long broken piece of lim altered
88.55	88.80			GO	Gouge	Pale yw; blched; intensely clay altered gouge studded with subrounded to rounded QFP frags w/ lesser opaque and clear varieties of qtz; frags makes up about 65% of unit

88.80	110.95	88.80	89.65	QFP	Qtz-Fls-Porphyry?	Pale grn; blched; mod to strng sil; weak vuggy look; small blched remnant clay altered phenocrysts (assume fspar); unit looks brecciated and locally strongly sheared; breccia frags are smoky qtz and aphanitic QFP and chl altered frags; might be rebroken and healed breccia (episodic); strong chloritized shear fabriic @ 040˚ TCA
		89.65	93.45	QFP	Qtz-Fls-Porphyry	Pale khaki-olive gr; strongly silicified; patchy swirling lim alt patterns. Spidery fine network of limonite cracks and Mn healed fractures roughly oriented at 50˚ and 25 ˚ TCA. Millimetric pale yw-or-wht qtz-fspar stringers; random orientation, locally planar at 040˚ TCA
		93.45	93.60			Dark or; rubbly broken QFP frags; intense manganese "burn" over 5 cm
		93.60	94.60			Mod lim weathering; strong fracturing; common open lim coated fracs at 030˚ TCA (8-10/m)
		94.60	94.90			Extremely broken int lim weathered QFP; last 10 cm is drill-ground rubble
		94.90	96.80			Patchy mod lim weathered; intersecting crack sets at 030˚ TCA (planar) and 160˚ TCA (irregular, stepped); // qtz stringers at 030˚ TCA
		96.80	97.15	SX-QTZ	Vein	10 cm ground rubble; core loss; frags are pale green-gry smoky silica flooded QFP microstockwork/breccia w/ patchy fine gry-blk sulphide "haloes" studded w/ fine pyrite
		97.15	98.00			Silicified QFP w/ mm-scale // microstringers of qtz at 030˚ TCA; seems to be parallel to local narrow silica healed shear zones; few large diffuse smoky grey qtz patches with sulphidic look and studded with bright shiny py disseminations
		98.00	98.20			Strongly blched QFP; approching structure
		98.20	98.80	SX QTZ	Vein/Breccia	Pale gry-or-blk; 3 discrete narrow cm-wide smoky gry sx-qtz veins and irregular blotches and masses within large silica-healed breccia unit; total sulphide content is quite low; <5%. Visible sx include very fine grained asp and sph and more c.g. bright pyrite; rough orientation for sx veins/veinlets is 050˚ TCA; breccia frags are dominantly monomict; rounded and angular chl-lim altered QFP and Qtz and fspars in silica gangue; some evidence of rotation; frags make up about 80% of breccia
		98.80	99.40	BX	Breccia	Similar to above but without obvious Sx-Qtz veins/bands; stronger lim alt; local narrow clay anastomosing and braided mm-scale microgouges with yw clay cemented tiny breccia chips within larger intensely silicified breccia

		99.40	100.20	SX QTZ	Vein/Breccia	Pale gry-or-blk; similar to interval from 98.20-98.80m. Two discrete narrow cm-wide smoky gry Sx-Qtz veins in silicified breccia; veins and breccia walls are vuggy and rotten-looking, with strong lim alt. Few breccia frags are rimmed with fine sulphides; with distinctive bright earthy yw skorodite alteration adacent to frag
		100.20	101.50	BX	Breccia	Strong orange lim alt, unit is more of a crackle breccia with numerous tiny qtz-lim cracks and fractures thru-out; random but with rough orientation at 010˚ to 020˚ TCA
		101.10	101.30	SX QTZ	Vein/Breccia	Several large subrounded Sx-Qtz breccia fragments in silicified breccia. Sulphide-Qtz clasts are smoky grey, diffuse with tiny disseminated black sulphide grains and studded w/ larger bright shiny py grains
		101.30	103.10			Silicified QFP w/ mm-scale // microstringers of Qtz at 050˚ TCA; microstringers are pitted and eroded; fspar phenocrysts in QFP are badly pitted with strong orange lim-clay alt; unit is broken into small pieces by long, open Lim-Mn coated fracs at 0 - 010˚ TCA that run down the axis of the core
		103.10	104.45			Silicified blched yw QFP; patchy lim; vuggy fspar phenocrysts
		104.45	108.20			General increase in open fractures; numerous close-spaced fracs; some open with heavy earthy lim-mn oxide coatings; at 020-030˚ TCA; numerous closely spaced healed fracs and cracks at 150˚ TCA; makes intersection and may offset earlier 020-030˚ TCA set
		108.20	109.00			Badly broken fractured rubbly silicified QFP; strong lim-mn oxide on open fracs
		109.00	109.12	BX	Breccia	7cm wide intensely yw-or clay gouge in narrow brecciated interval. Gouge at 070˚ TCA. Breccia clasts are 2mm to 15mm QFP w/lesser subrounded qtz clasts; about 85% of unit; cement is silica; must be re-activated old breccia
		109.12	110.27			Badly broken fractured rubbly silicified QFP; strong lim-mn oxide on open fracs; few frags are striped w/ mm-wide dark diffuse bands

DDH-10-252: Detailed Log Cont.

Primary		Secondary		Lith Code	Lithology	Description
From	To	From	To			
		110.27	110.41			Looks transitional to underlying gneiss; obvious lineation/foliation in blched silicified QFP at 060˚ TCA; looks like alternating rhythmic light gry-grn and dark gry diffuse microbands; stress or shear planes?; mineral lineation? Common and repetitive close-spaced lim fracs and cracks at 030˚ TCA
		110.41	110.70			10cm of green diffuse chl-rich bands adacent to narrow blched white micrbreccia/shear bands (rhythmic banding at 060˚); passing down hole to 10cm of blched green silicified QFP with conjugate, cross-patterned chl-lim cracks at 050˚ and 150˚ TCA passing to silicified QFP w/ faint and diffuse banding at 060˚ TCA; preferential strong lim on some bands; dark gry-grn discontinous, crenulated wavy laminations at 060˚(looks like qtz-chl); must be a preserved, finely sheared contact pattern
		110.70	110.95			Repetitive gry-blk and blched green swirling laminations and microbands; highly distorted; dark bands likely some kind of remnant mafic band at gradational contact to unit below
110.95	111.52	110.95	111.22	BX/GN	Breccia/Mafic Gneiss?	Gradational and transitional to unit above; dark diffuse aphanitic gry-grn-blk bands w/ lighter blched bands and rounded frags; looks like weakly banded breccia w/ bands at 060˚ TCA; some "mafic" bands are completely folded over; some felsic frags look like QFP frags; unit is highly silcified; local minor diss and clotty py
		111.22	111.52	GN	Mafic Gneiss	Alternating dark v.f.g. mafic bands w f.g. chloritized felsic bands; weak patchy epi-ser alt; minor diss py in mtx
111.52	115.80			GN	Felsic Gneiss	Pale gry w/ patchy grn; equigranular m.g. qtz/fspar groundmass with 1-2 clotty chloritized phenocrysts that measure up to 3-5mm; few chl clots are cored w/ fresh pyrite; one trace blue bornite grain; open repetitive fracs at 050˚ TCA and 140˚ TCA
		112.35	112.45	BX	Breccia	Varicolored chl-qtz breccia; 70% felsic and strongly chloritized frags in silica gangue
		112.45	113.40	GN	Felsic Gneiss?	Pale gry-grn-wht; strongly silicified; c.g. to weakly porphyritic w/ strong chloritization of what must be mafic constituents; could be transitional to altered mafic banded gn; trace

		113.40	113.90			Pale grn-wht-gry; strongly silicified; strongly chloritized; porphyritic; chl clots up to 3mm across; has weak intraformational breccia look, transitional downhole to more mafic bands; tr py;
		113.90	114.10	BX	Breccia	Pale gry-wht-grn; strongly sil-chl felsic crackle breccia
		114.10	114.45			Pale grn-gry; blched; f.g. to m.g.; wk banding at 040˚ TCA; outlined by close-spaced chl cracks and healed fracs; clotty chl; minor clotty and cubic py
		114.45	115.40			Very pale grn-gry; intensely blched; fine chl-ser altered fspar gn; f.g. Interstitial Qtz; equigranular; fine lim cracks and healed fracs at030˚ TCA
		115.40	115.80	GN	Mafic Gneiss	Pale grn-gry felsic Gn; f.g. Bands in irregular, swirling and gradational contact w/ drk gry-blk v.f.g mafic bands, minor py in fairly fresh looking biotite-rich mafic bands
115.80	121.92	115.80	119.10	AMP	Amphibolite	Drk gry-blk; pretty fresh; silicified; wk pervasive ser-chl ± epi alteration; v.f.g.; foliated at 030˚ but texture is somewhat variable and swirling; clear-opaque qtz sweats and stringers // to fol'n; few swirling felsic bands; minor py as diss and fol'n // clots and stringers
		119.10	121.25			Drk gry-blk; fresh; v.f.g.; well-foliated; some intermixed and irregular narrow felsic bands; few qtz sweats and stringers // to fol'n at040˚ (3-5 /m); unit is strongly silicified or hornfelsed (slight brown cast to biotite); very wk ser-chl alt; local mod chl-epi alt in felsic bands; minor py as fine disseminations and local stringers along fol'n planes
		121.25	121.92	BX	Breccia	Blched, broken, chl altered rubble; some frags look brecciated, 32% recovery
121.92						EOH

DDH-10-252: Intervals and Attributes

Hole Id:		10-252												
Logged By:		K. MacDonald												
Interval				Lithology		Mineralization							Assay	
From	To	Width	Sample	Code	Lithology	Py%	Asp%	Gn%	Sp%	Cp%	FSx%	Mnzn Style	Au(GM/T)	Ag(PPM)
96.15	97.15	1.00	523377	QFP	Qtz-Fls-Porphyry	<2					<1	D, C, I	1.675	19.1
97.15	98.00	0.85	523378	QFP	Qtz-Fls-Porphyry	<2					<1	D,I	0.618	8.3
98.00	99.00	1.00	523379	SX QTZ	Vein/Breccia	<3	<1		<1		<2	D, C, I	0.906	42.2
99.00	100.20	1.20	523380	SX QTZ	Vein/Breccia	<3	<1		<1		<2	D, C, I	2.222	86.6
523381				PM CU175									0.882	3.8
100.20	101.10	0.90	523382	BX	Breccia								0.169	26.4
101.10	101.60	0.50	523383	SX QTZ	Vein/Breccia	<					<1	D, C, I	0.403	43
101.60	102.60	1.00	523384	QFP	Qtz-Fls-Porphyry								0.019	2.6

Hole Id: DDH-10-253

Property: Mt. Nansen
Area: Flex Zone
Client: Nantawa Resources

Logged By: Cameron Norton
Date Logged: August 21-August 20/20

COAST MOUNTAIN GEOLOGICAL LTD.

Collar Location:

Actual:

Datum:	NAD83, Zone 8		
Easting:	386623	Azimuth:	78
Northing:	6881928	Dip:	-65
Elevation:		Length:	212.75

** Collar location shifted slightly from proposed to be on level ground, az changed to fit collar

Proposed:

Easting:	386623	Azimuth:	78
Northing:	6881933	Dip:	-65
Elevation:		Length:	

Drilling Information:

Contractor:	Top Rank
Core Diameter:	BTW
Start Date:	August 21,2010
End Date:	August 28,2010
Casing In:	
Casing Capped:	Pulled
Units:	Metric

Hole Objective: To test a deeper interception of the veins along the same secion as hole 248. Stepped back 50m along azimuth from hole 240.

Hole Summary:The hole collared into unaltered Quartz-feldspar Gniess. For 64.49m(0-64.49m) the hole alternated between the previously described unit, and felsic-quartz-feldspar-Gneiss. .From 64.49-66.42m a localized section of Amphibolite was cored. For the following 94m (66.42-161.27) the core continued to alternate between the above described units with silicification and alteration increasing downhole. The main zone containing four distinct and heavily mineralized veins occurred from 161.27-173.60m. The first smoky quartz vein (from 161.27-163.98m) was most prominent, and exhibited the highest degree of mineralization containing mod scorodite alteration with 15% fine grained disseminated pyrite, 2-3% FSX. The second vein occurred at 164.59-164.90 and contained up to 5%mafic FSx with weak to moderate scorodite alteration. Vein 3 occurred from 165.52-166.48m and contained weak scorodite alteration and 1%FSx. Vein 4 occurred from 168.23-196.34m and contained 5%FSx along foliation planes, 2-3% coarse grained py, 1% smoky qtz and weak to moderate scorodite alteration. The wall rock in this zone consisted of heavily altered quartz feldspar porphyry. The following 20m after the zone consisted of QFP or intensely altered Gneiss,. A 5th weak mineralized zone was also intercepted in a gouge rich area from 179.35-185.50 and contained up to 2%FSx. The hole fnished in very coarse grained QFP.

Survey Type:		Ranger Single Shot	
Distance	Azi	Dip	Accept
0.00	078.0	-65.0	yes
6.71	006.7	-65.7	yes
31.39	031.4	-65.7	yes
61.80	061.9	-65.4	yes
92.36	092.4	-65.0	yes
122.84	122.8	-64.2	yes
153.32	153.3	-63.3	yes
183.80	183.8	-63.5	yes
205.13	205.1	-63.0	yes

Lithology Summary			
From	To	Lith	Comment
0.00	0.91	OB	
0.91	64.49	GN	Qtz-Fls Gneiss
64.49	66.42	Amp	Amphibolite
66.42	125.27	GN	Qtz-Fls Gneiss
125.27	126.77	Amp	Amphibolite
126.77	129.32	GN	Qtz-Fls Gneiss
129.32	131.96	AMP	Amphibolite
131.90	140.12	GN	Qtz-Fls Gneiss
140.12	153.45	GN	Bch GN
153.45	154.65	GN	Qtz-Fls Gneiss
154.65	154.94	Amp	Amphibolite
154.94	161.27	GN	Bch GN
161.27	173.60	QFP	QTZ-fls porhyry
173.60	190.65	AMP	AMP
190.65	198.7	QFP	QFP
198.70	201.10	GN	Ech mafic Greiss
201.10	204.38	QFP	Altered QFP
204.38	210.55	GN	Mafic Qtz-fls GN
210.55	212.75	QFP	Qtz-fls-Porphyry

		DDH-10-253				
Logged By:		Cam Norton				
Primary		Secondary		Lith Code	Lithology	Description
From	To	From	To			
0.00	0.91			OB	Overburden	
0.91	2.77			GN	Qtz-Fls Gneiss	mg Dk mafic GN, str siliceous with mod-str foln and mod chl alt. Wispy dull earthy brwn lim // to foln.Fractures filled with bwn lim and black organic leech (?) from weathering. 1 0.5cm wide barren qtz st at 90 TCA with a 2-3cm wide str-int chl alt halo. Tr-1% vfg py. Core is Ext broken (RQD <1%) due to proximity to surface. Foliation at 65TCA but has been moderately overprinted due to moderate silicification. Upper contact not exposed.
		2.62	2.63	GN		0.5cm wide QTZ ST at 90 TCA. Barren and contains a 2-3cm wide str-int chl alt halo.
2.77	5.49			GN	Qtz-Fls Gneiss	Lt Gn w/ brwn/or P Ext lim overprinting. Foln largely been overprinted by lim. Core has slightly crackled appearance with late fractures filled with Ba qtz along with late randomly orneinted healed microfractures/dendritic lim stains. Dominant clv occurs at25TCA and are filled with lim. Occasional 0.5-1cm wide Ba Qtz STs occur at 110TCA. Foliation str overprinted, however occurs at 80TCA. Upper portion faulted and comprised of blocky core . Overall low RQD of <10%. Upper Contact gradational and fault bound.
		2.63	4.05	FLT	Fault Zone	Fault zone with moderately broken and blocky core with weak to moderately developed gouge locally.
		4.5	4.51	GN	Qtz Vein	0.5cm wide Ba Qtz st at 110 TCA.
5.49	22.61			GN	Qtz-Fls Gneiss	Dk fg GN with pervasive chl alt and 1% vfg py and Blebs along with tr-1% FSx. Uphole chl alt is mod then grades to int downhole. Mod mont alteration also present. Foliation is pervasive/strong at 110TCA. Localized blebs of Kao alt with I qtz along with mm scale lim halos. Clv present at 155TCA and are filled with lim. ~1% qtz STs at 60-70TCA between 0.5 and 2cm wide w/ chl and lim filling late fractures. Localized zones of highly silicified and siliceous mafic gneiss also present up to 30c wide. Extensive faulting present locally with Intensely developed gouge. Toward lower contact get qtz clast where foliation is wraped around clast. Upper Contact sharp at 45TCA.

		6.31	6.35	GN	Qtz Vein	4cm wide Qtz vein at 70TCA with chl blebs and lim filled late fractures. Vein is barren of sulphides.
		7.78	9.85	GN	Fault Zone	Fault zone with intensely developed gouge. Pervasive lim alt and overprinting. Gouge concentration decreases towards lower contact and becomes increasingly blocky.
		12.51	12.54	GN	Qtz vein	3cm wide Qtz ST at 30TCA with minor vugs and 3-5% chl/lim filling fractures.
		12.60	12.74	GN	Altered Gneiss	Int siliceous, mod silified GN with cg qtz and fg GN matrix. Mod lim alt as well.
		12.83	12.84	GN	Qtz vein	1cm wide qtz VT at 115TCA with tr vfg diss py and str lim alt.
		13.94	14.37	GN	Altered Gneiss	Lt pistacheo green coloured cg GN. Strongly siliceous and intensely silicified causing foln to be extensively overprinted. Mod chlo and kao alt. Late sub-mm scale fractures filled with chl
		14.63	16.95	GN	Fault Zone	Flt zone with weakly developed gouge. Predominantly blocky GN core.However, numerous blocks appear to be igneous qtz pheric mafic porpory (or remnant qtz?) with a dark green ground-mass. Possible dyke in fault zone (?). Qtz crystals up to 3mm in diameter and are subangular to subrounded. Late fractures filled with lim and chl
		17.88	17.91	GN	Qtz Vein	2cm wide qtz Str w/ mod lim alt along margin, and Ba of py. 60TCA.
		18.92	18.96	GN	Qtz	foliation appears to envelope around a 3cm wide well rounded qtz-chl clast.
22.61	23.77			GN	Qtz-Fls Gneiss	Lt GN w/ pervasive/intense lim alt overprinting foln. Localized dendritic mn alt along late fractures. Slight crackled appearance due to high density of late mm scale healed micro-fractures filled w/ lim. Weak to mod/pervasive ser alt. Foln at 80TCA. mod diss chl.
23.77	33.43			GN	Qtz-Fls Gneiss	Mg Dk mafic GN, generally weakly siliceous and weakly silicified, however, localized zones of strong silicification and minor bch. Int/pervasive chl alt with mod mont. Foln pervasive at 70-85TCA. Qtz-chl alt VTs occur with ~1% density at 70TCA average. Unit is moderately competant with occasional faults displaying minorly developed gouge. Contained within fault unit are blocks of intermediate equigranular rocks, likely Bch/overprinted felsic GN and contains 1% Gn and Tr Sp. Fractures occur at 40-90TCA and contain Lim along faces. Upper contact gradational.
		24.16	24.18	GN	Qtz vein	2cm wide qtz VT at 70TCA with blebs of chl and late fractures filled with lim.
		24.85	25.02	GN	Altered Gneiss	Intermediate,equigranular Bch, mod chl altered and overprinted GN with up to 1% fg galena, tr sp and tr. Vfg Py and mod lim alt. Tr. Hem along late micro-fractures.

Primary		Secondary		Lith	Lithology	Description
From	To	From	To	Code		
		25.02	26.12	GN	Fault Zone	Fault zone with intermitant blocks of above desribed Bch Gn and mafic mg Dk GN. Zone
		28.41	28.85	GN	Altered Gneiss	str siliceous, int silicified, str chl alt and wk ser altered GN with late micro-fractures filled with lim giving the core a pistacheo green colour with tr vfg diss py.
		29.58	29.59	GN	Qtz vein	1cm wide qtz VT at 70 TCA with interstial chl parallel to vn and weak lim alt.
		29.87	30.63	GN	Fault zone	Fault zone comprised of blocky core up to 4cm long, and weakly developed gouge.
		32.33	32.34	GN	Qtz vein	Ext chl alt Ba qtz VT with dark green overprinting at 95TCA.
		32.51	32.54	GN	Qtz vein	Qtz Vtat 95 TCA w/ high chl alt and mod ser alt. No py.
33.43	53.91			GN	Qtz-Fls Gneiss	mod Bch,Dk or, Ext/pervasive lim alt overprinting GN . Int siliceous with wk chl and mod ser alt w/ tr. Local hem. Tr vfg diss py and localized dendritic mn oxide along with local lim/qtz vugs. Foln at 80-110TCA and fractures being at 90 and 135TCA all filled w/ lim. Ba Qtz STs VTs density of ~1-3per m. Localized ext Bch zones with pervasive/Int kao alt. Unit is mod competant with zones of 2-
		35.30	35.54	GN	Qtz vein	Wk Brx, Ba qtz VT at 150 TCA. Possible shear veins, as they occur along the margins of a fault.
		35.55	36.45	GN	Fault Zone	Flt/ shear zone with Int gouge and mod amount of blocky core. One 6cn wide block contains
		38.18	38.48	GN	Fault Zone	Shear zone w/ Int gouge and mod amount of blocky core. Along upper 20cm of shear, is a small 2cm healed shear at 50TCA.
		38.87	38.95	GN	Qtz vein	6cm wide Ba Qtz ST at 130TCA being crosscut by late lim filled micro-fractures.
		39.15	39.80	GN	Fault Zone	shear zone w/ int gouge. Pervasive lim staining.
		40.97	41.07	GN	Qtz vein	0.5cm to 2cm wide Ba qtz St/VT at 90 TCA with int lim filled fractures // to ST/VT. Possible shear vein?
		41.59	41.69	GN	Altered	Int Bch w/ Ext kao alt. Mod siliceous. Lower contact shp at 130TCA.
		42.20	42.35	GN	Altered	Ext per lim alt with str dendritic Mn.
		43.73	45.52	GN	Fault Zone	2m wide FLt w/ ext gouge along upper 1.5m. Lower 0.5m comprised of blocky core.
		47.73	48.16	GN	Altered Gneiss	Zone of decreases lim alt (Int) and str ser alt giving core a brwn-lt grn colour. Zone also has a crackled appearance due to irreg crosscutting late lim filled fractures.

		51.40	53.68	GN	Fault Zone	Flt w/ mod-int gouge and blocky core and pervasive lim alt. In middle of fault is a 25cm wide Bch/int lim altered GN.
53.91	55.23			GN	Qtz-Fls Gneiss	exhibit mod lim, str mon and mod chl alt. Foln at 60-80TCA and fractures (lim filled) at 125TCA. Unit is overall poorly silicified and
55.23	64.49			GN	Qtz-Fls Gneiss	Lt.brwn/or Bch felsic GN w/ pervasive/int lim alt. Mod/pervasive kao alt. Wispy late fractures filled with chl and mon as well as lim giving core a healed brecciated appearance locally. Downhole hem alt increases to mod locally. Occasional wispy stockwork STs. tr-1% fg diss and blebbed py. Downhole py concentration increases to 1% along with the development of dendritic Mn. Unit is mod siliceous, poorly silicified, w/ foln and fractures at 80 and 110TCA respectively. Localized 1-2m wide shear zones w/ Int gouge. Core mod to highly competant. Upper contact shp at 130TCA.
		55.86	57.30	FZ	Qtz-Fls Gneiss	Flt zone w/ Int developed gouge. Pervasive lim alt.
		58.30	58.82	GN	Qtz-go	sheared Ba qtz vein with predominantly blocky qtz and minor gouge.
		62.89	64.49	GN	Altered Gneiss	Altered bands of Bch GN, wh-yw, mod ser alt, possible weak scor alt (?), str kao alt. Interbanded with pervasive int lim altered GN, bwn-or color. Qtz VTs have up to 5% cg py locally. Mod Mn burn and str lim alt along fractures.
		64.30	61.34	GN	Qtz vein	Qtz VT at 110TCA w/ up to 5%cg diss py. Late fractures filled w/ lim.
64.49	66.42			Amp	Amphibolite	Lt green amp GN w/ wispy/crackled texture due to crosscutting late lim filled microfractures. Mod chl and lim alt w/ local qtz clots and dendritic Mn radiating from late fractures along with qtz STs.local kao blebs. Wk foln at 120TCA and cleavage at 110TCA. 1-2% fg diss py. Upper contact sharp at 90TCA. .
66.42	68.50			GN	Qtz-Fls Gneiss	Lt brwn/or GN w/ int pervasive lim alt, wk ser al, mod kao, mod qtz clasts, w/ lim and Mn oxide filling late fractures. Region is mod siliceous, wk silicified w/ tr py,and heavily flt affected for lower 1.5 meters w/ int gouge and rubble. Foln at 80 TCA. CLV at 40 & 90TCA. Upper contact shp at 90TCA.
		66.93	68.46	FZ	gouge zone	Pervasive int gouge and blocky core with ext lim alt.

68.50	71.58			GN	Qtz-Fls Gneiss	Dk gr,blue mafic GN w/ mod/pervasive lim alt. Mod chl, str mon, mod sil, wk hem alt. Tr vfg py. Weakly silicified Foln goes from steep to subhorizontal. ClV at 110TCA. Towards lower

Primary		Secondary		Lith Code	Lithology	Description
From	To	From	To			
		70.05	70.10	FZ	gouge zone	5cm wide shear with ext gouge at 60TCA.
		71.00	71.58	GN	Altered	int hem alt with foln // to CA.
71.58	74.30			GN	Qtz-Fls Gneiss	Ext flt/flt affect core w/ int gouge,blocks, and rubble. Lt brn/or with ext/pervasive lim alt. Foln and CLVdifficult to distinguish due to overprinting. Mod sil, wk silicified, wk Bch, mod Kao. Localized dendritic Mn, tr-1%vfg diss py. Mn oxide and lim alt along cleavage planes. Upper contact not exposed due to Ext flt.
74.30	86.95			GN	Qtz-Fls Gneiss	Ext Flt/flt affected mafic GN with ext gouge for 5+meters then grades to blocky core. Foln and clv planes not distinguishable due to faulted nature of core. Int lim alt overprinting any regions of slightly competant core making foln and clv angles difficult to obtain. Below flt zone foln at 70TCA however is irregular, and clv at 55TCA. below flt observe str chl, str mon, wk sil, 1% vfg diss py. Core is weakly silicified. Upper contact hidden by FLT.
		74.30	80.74	FLT	gouge zone	Ext flt zone w/ Ext gouge. Flt has disguised any foln or clv measurements.
		82.12	82.80	GN	Altered	Mod silicified mafic DK gn GN. Lim alt tapers down to mod from Int.
		82.80	85.62	GN	Altered Gneiss	Wk chl alt GN. Md grained. Wk siliceous and wk silicified. Str friable.
86.95	93.30			GN	Qtz-Fls Gneiss	light wh to lt mod bch gn GN w/ str pervasive lim alt along the upper 2 meters, then tapers off. late fractures filled with lim. Localized zones of patchy wh and gn core w/ str kao and mon alt. Core is mod siliceous, wk silicified, tr py, and exhibits mod to int flt gouge for majority of the intervol.
		86.36	86.95	GN	Altered	Wk Bch, light gn-wh GN. Mod silicified w/ lim filling fractures. For 1 meter above and below core is
		88.70	90.20	GN	Altered Gneiss	patchy core with both mafic and felsic units. Patches of str mon alt along with patches of strong kao alt. Lower 50cm is highly blocky and flt affected. Late fractures filled with lim.
		90.20	102.20	FZ	Fault zone	Ext FLT zone w/ Ext gouge. Gouge shows signs of a few different kinds of altered GN, refer to below descritions for intervols.

		90.20	93.30	FZ	Altered Gneiss/go	Int gouge zone comprised of highly gouged altered GN. Possibly high Bch mafic GN or felsic GN. Str/pervasive lim alt.
93.30	125.27				Qtz-Fls Gneiss	of 10m. Pervasive/str chl and mon alt, mod sil, zones of mod Bch w/ localized high silicification. Foln subhorizontal w/ clv // to foln.
		93.30	94.60	FZ	Altered Gneiss/go	Int gouge zone comprised of gry-gn mafic gn w/ wk lim alt.
		93.30	96.93	FZ	Altered	Int gouge zone w/ olive gn/or gouge. Wk-mod lim alt.
		96.93	98.60	FZ	Altered Gneiss/go	Ext gouge zone comrised of what appears to be black/gry mafic GN w/ no lim alt.
		98.60	99.97	FZ	Altered Gneiss/go	Int gouge zone w/ lt to med gn chl altered gouge.
		103.02	106.25	GN	Qtz-Fls Gneiss	Mafic Dk gn GN w/ st chl and mon alt. Localized wk hem, with patches of ba qtz. Tr-1%vfg diss py. Med grn w/ subhorizontal foln competance increases downhole.
		106.25	107.25	GN	Altered Gneiss	Borderline amp gneiss. Mod to highly silicified. Mo siliceous w/ sil clasts. Mod to str chlo and mon alt with blebs of chl. Foln at
		107.25	113.38	GN	Altered Gneiss	Wk silicified, mod siliceous, dk gn GN w/ pervasive chl alt and blebs of mon alt. Large flt zone composed of mod developed gouge uphole, tapering to blocky core downhole. See description below
		109.12	114.57	FZ	Altered Gneiss/go	Flt zone w/ mod developed gouge uphole, tapering to blocy core downhole. Cly rich gouge. Flt spans a couple alteration boundaries.
		113.38	114.15	FZ	Altered Gneiss/go	Blocky core in flt zone appears to grade into mod silicified causing partial overprinting. wk bch lt-med gn w/ mod late fractures filled w/ chl and hem. Foln subhorizontal at 10TCA.
		114.15	115.21	GN	Altered Gneiss	Wk alt GN w/ wk silification. Foln has increases slightly to 20TCA. Mod chl and mon alt w/ wk kao alt.
		115.21	117.50	GN	Altered Gneiss	mod silicified med gn/chl and mon altered w/ high late fractures filled with chl and hem, giving core a wk brecciated appearance. Fg diss py along occasional fractures along with 1% fg diss py. Downhole core becomes increasinly blocky and fault affected.
		117.50	118.74	GN	Altered Gneiss	Wk alt GN w/ wk silification. Mg w/ 25TCA. Dk gn and mod siliceous. Vfg py // to foln and diss.

		118.74	121.00	GN	Altered Gneiss	Mod silicified med-pale gn w/ mod chlo and mon al (patches)t. Wk Bch locally with localized epidote(?) alt. Core is wk to mod crackled w/ late microfractures filled with chl, kao and lim.
		121.00	123.38	GN	Altered Gneiss	Dk gn,wk silicified core w/ str chl alt and mod patchy mon alt, qtz blebs and patches, tr-1%vfg diss py. Foln at 150TCA, w/ clv // to foln and at 80TCA.
		123.38	125.27	GN	Altered Gneiss	// to foln. Along with 1%mg diss py.
125.27	126.77			Amp	Amphibolite	wh-lt gn amphibolite w/ foln overprinted by alteration/silicification and wk Bch. Str qtz, str kao, wk chl, w/ blebs of mon. Smokey qtz STs at 150TCA (1%) w/ foln at 50TCA, clv // to foln. 1%vfg diss py. Chl occurs as laminations along foln. Upper contact gradational over 5cm.

DDH-10-253: Detailed Log Cont.

Primary		Secondary		Lith Code	Lithology	Description
From	To	From	To			
126.77	129.32			GN	Qtz-Fls Gneiss	Dk gn wk silicified GN w/ str chl alt, mod patchy mon alt, mod blebbed qtz, 1% fg diss py and mg py // to foln at 120TCA two 3cm wide VTs at 90 and 40TCA respectively along with thin qtz-kao STs.LSecond of two VTs is sheared, leavin only half the vein exposed. synstrally at 120TCa w/ 1cm displacement CLV at 45/irreg. Upper 50cm of unit is mod gouge and flt affected core. Upper contact gradational over 5cm.
		128.80	128.88	GN	Altered Gneiss	Lt gn silificied GN w/ overprinted foln. Borderline amphibolite. Str qtz, mod mont, wk chl alt.
129.32	131.98			AMP	Amphibolite	lt gn amp w/ mod dendritic hem, mod chl, wk mon, str blebbed qtz, 1% vfg diss py. Foln largely overprinted, however, appears to occur subhorizontal TCA w/ clv occuring at 30TCA, and filled w/ kao. Core is mod-str silicified and compentant. Upper contact sharp at 70TCA
131.98	146.12			GN	Qtz-Fls Gneiss	dk gn mod silicified, mod siliceous, str chl alt, mod patchy mon alt,wk lim, tr sp blebs, and tr vfg py. Core initially is mg, then grades to cg GN for ~1m, then back to mg moderately alt GN. Sp occurs along chl rich foliation planes. Foln generally at 155TCA w/ clv at 130TCA. Qtz generally occurs as clasts/blebs, however VTs present at 160TCA and contain mod hem alt along fracture planes. Unit has str competance uphole, tapers to mod downhole, becoming increasingly blocky. Upper contact gradational over 10cm.

		132.56	132.81	GN	Altered Gneiss	Localized altered GN w/ str silica content, blebbed qtz, and mod chl, wk hem and 1% sp along chl foliation planes at 10TCA. Region has str silicification causing partial overprinting of foliation.
		134.54	135.22	GN	Altered Gneiss	Wk altered, dk gn cg GN w/ near equigranular/foliated texture. Along upper contact fls grains have erroded away giving core a vuggy/pitted texture. Foln at 140TCA.
		135.98	136.23	GN	Altered Gneiss	Int altered, int silicified, borderline AMP w/ near complete overprinting. Region has a high density of late fractures filled with kao giving core a crackled appearance. Mod hem, mod chl, str mon alt.
		136.62	137.50	GN	Altered Gneiss	mon giving core a mod crackled appearance.
		137.50	138.30	GN	Altered Gneiss	Upper 60cm of intervol is wk Blch, cg GN w/ a wh-gn color, and highly friable. Grades into a 20cm segment of Int cly-kao bch zone w/5% mafic Fsx and 5% mg diss py. Highly friable and a "dogs breakfast" appearance.
		138.30	142.72	GN	Qtz-Fls Gneiss	Virtually unaltered mafic GN similar to that described in main desription. Mg dk gn w/ up to 2cm qtz clasts and blebs, along w/occasional <1/m ba qtz STs, often discontinuous in nature. Foln at 150 TCA.
		142.72	143.56	GN	Altered Gneiss	Med gn highly siliceous, mod silicifed mafic GN w/ int qtz blebs and patches. Str. Chl alt, wk mont alt.
		144.30	144.90	GN	Altered Gneiss	Same as previously described, however dominated by ba qtz STs w/ density of >10/meter oriented at 60 and 120TCA.
		144.90	145.37	GN	Flt	Flt-gouge zone w/ int developed gouge. Dk gn in color.
146.12	153.45			GN	Bch GN	wh-bch GN w/ int kao-cly alt, zones of int gouge tapering to mod competant core. Up to 15% mafic FSx, 10-15% py (both mg diss and cg blebs along foln), late fractures filled w/ mafic FSx.localized wk scor and ser alt w/ disscontinuous mm scale ba qtz STs and lenses. Local zones of pulverized core giving way to rounded crushed qtz grains. Highly fluid altered and "dogs breakfast" appearance. Foln largely overprinted, however, occurs at 100TCA w/ clv at predominantly 45TCA. Upper contact grd w/in flt gouge.
		146.12	150.53	GN	Flt go	Flt zone w/ int gouge and blocky core comprised of wh-gry FSx (15%) rich core and 1-2%vfg diss py. Core has been highly pulverised creating rounded crushed qtz grains, and partially healed/brecciated appearance blocky core. "dogs breakfast" appearance.

		150.53	151.32	GN	Altered Bch Gneiss	wk chl alt Bch GN giving core a faint wh-gn color w/ wk lim alt. Up to 10% Fsx along foliation planes, and 1-2% vfg-fg diss py.Kao rich w/ blebs. Localized core washing from drill fluids caused localized patches of erosion giving core a locallized brecciated appearance.
		151.32	152.18	GN	Altered Bch Gneiss	and wk chl alt. Wkly silicified, mod friable. Borderline "dogs breakfast"
		152.18	152.68	GN	Altered Bch Gneiss	Altered Gn w/ bands of alternating gn mafic chl,mon rich and and felsic bch ka rich patches. Barren of FSx and tr vfg diss py.
		152.68	153.45	GN	Altered Bch Gneiss	mod bch, light gn-gry friable mg salt& pepper texture core GN w/ 2-3% mafic FSx laminations along foln.
153.45	154.65			GN	Qtz-Fls Gneiss	Dk gn fg-mg GN w/ int chl and wk mon alteration. Foln at 130TCA and CLV // to foln. Blocky flt affected core for lower 50cm. Upper contact grd and w/in blocky flt affected core.
154.65	154.94			Amp	Amphibolite	Dk gn silificied amphibolite w/ FSx (5%) filling in late fractures and // to foln planes. Int mon alt w/ mod chl. Foln largely overprinted however, occurs at 130%TCA and irreg CLV angles. Upper contact gradational.

DDH-10-253: Detailed Log Cont.

Primary		Secondary		Lith	Lithology	Description
From	To	From	To			
154.94	161.27			GN	Bch GN	highly bch wh-gry GN w/ up to 20%FSx, 5% fg diss and cg blebbed py, and 1-2% cg aspy. Int kao alt w/ str sil, wk hem alt w/ localized brecciated appearance from differential weathering caused by fluid flushing while drilling. Upper 3m moderately competant,however, friable, tapering to int flt gouge for lower 5m. last 1m Scor alt tapers in, grading from wk to mod w/in gouge. Around lower contact core is highly pulverised leaving relict crush subrounded qtz clasts in int cly alt "mush" matrix. Foln largely overprinted from fluid Bch however, occurs at 130TCA, w/ clv variable ranging from 100TCA-// to foln. Upper contact shp at 120TCA.
		154.94	155.63	GN	Altered Bch Gneiss	med gn mod silicified wk bch GN w/ 2-3%FSx // to foliation and 1%mg diss py. Bch part of AMP unit?

		155.63	157.02	GN	Altered Bch Gneiss	lt pink-gry bch wh color w/ brecciated appearance due to a semi-healed 5cm wide shear zone at 40TCA. 5-8%FSx both fractures //to foln and patches. 2-3%cg diss py.
		157.02	159.89	GN	Fault Zone	Int gouge fault zone w/ dk gry gouge comprised of up to 20% FSx, 2-3%cg aspy, 2-3%mg diss py.
		159.89	160.66	GN	Fault Zone	Int gouge w/ pervasive str lim alt overprinting core/any otherwise visible mineralization.
		160.66	161.27	GN	Fault Zone	Str gouge w/ mod scor alt. Core is str pulverised leaving crushed qtz clasts in a ext friable mod scor altered matrix.
161.27	173.60			QFP	QTZ-fls porhyry	Altered QFP being cut w/ int smokey qtz creating a breacciated appearance locally. wh-grn-brn equigranular texture w/ mod local blebs of mon, clasts of fls (often erroded away creating a pitted/vuggy texture), and patches of mod-strong lim alt causing partial overprinting.Abundant qtz clots. Regions of int gouge and flt affected core w/ vein zone occuring up to 5 times, as defined by the presence of smokey qtz, FSx,Scor and up to 5%py. Localized zones of fluid Bch.
		161.27	163.98	QFP	Qtz-py,Fsx Brx vein	Zone vein of int altered QFP being cut w/ int smokey qtz creating a breacciated appearance. 15% fg-mg diss and blebbed py, 2-3% Fsx, 2-3% Scor, mod local blebs of mon, and patches of mod-strong lim alt causing partial overprinting. Alteration tapers to str downhole. Unit is very competant, siliceous,and highly silicified. Upper contact gradational over 30cm of gouge.
		164.59	164.90	QFP	Qtz-py,Fsx Brx vein	10cm wide Qtz-py,FSx vein. Gry-gn color w/ late fractures filled with kao. Up to 5% FSx filling in late fractures and // to clv planes. Wk to tr. Scor. Vein oriented at 135TCA.
		165.52	166.48	QFP	Qtz-py,Fsx Brx vein	Friable, blocky, possible vein rock w/ str Bch overprinting and wk scor alt, 1%FSx, 1%py (cg vuggy blebs), and mod mon alt
		166.48	168.23	QFP	go-Altered QFP	Int lim altered QFP in zone of flt/flt affected core. Mod gouge, Int blocky core.
		168.23	169.34	QFP	Qtz-py,Fsx Brx vein	wh-black bch mineralized vein w/ 5% FSx along foliation and cleavage planes along, 2-3%cg diss py, up to 1% smokey qtz, wk to mod scor alt. . Zone is highly blocky and flt affected.
		169.34	172.05	QFP	Bch QFP	mod Bch QFP w/ abundant qtz clots, 3%ser, 2-3%cg py diss and vuggy blebs, 1%mon. Mod lim alt along late fractures. Upper 1m is highly blocky, tapering to mod-int gouge for lower portion of invervol.
		172.05	173.60	QFP	Altered QFP	Bch QFP w/ mod scor, mod mon, str siliceous w/ wk lim. Core has a wh-gn color. 1% vfg diss py, 1% FSx along clv planes, no smokey qtz.

173.60	190.65			AMP	AMP	Heavily cly altered gn GN w/ mod localized bch and abundant qtz clots creating a equigranular texture w/ str overprinting creating a "dogs breakfast". Very difficult to tell if unit is heavily altered, and slightly annealed AMP or QFP w/ chl alt. str chl, mod mon, and local ser and scor(?)For first 4m core is Ext silicified and siliceous, tapers to poorly silicified, friable and moderately siliceous downhole. w/in the first 1.5 meters a 1.5cm smokey qtz VT is intersected, likely a bifercation of the larger vein system. Downhole core becomesInt cly alt and faulted w/ int gouge. Upper contact gradational.
		173.60	174.25	AMP	Bch Altered amphibolite	Altered lt gn AMP w/ mod chl, mod mon alt, wk speccaled hem, and abundant qtz clots.Tr vfg diss py. Localized 1.5cm wide smokey qtz VT w/ 5% FSx at 20TCA. Highly cooked and silicified "dogs breakfast". Downhole tapers into v cg fls phenocrysts w/ occasional pink ksp.
		174.25	178.12	AMP	Amphibolite	med gn equigranular QFP w/ abundant qtz clots. Mod chl alt, wk mon alt, w/ late fractures filled with hem and lim. Clv at 140TCA.
		179.35	180.74	FZ	Amphibolite-gouge	Flt gouged, Str Bch amp. Int gouge w/ mod cly alt. 1% cg diss py, 1-2% FSx.
		180.74	185.50	FZ	Amphibolite-gouge	
		185.50	190.65	AMP	Altered amphibolite	Bch wh-lt gn amp GN w/ 1-3% FSx // to foliation planes, 1% cg diss py, int silicified and overprinted w/ mod mont alt. Int gouge/ flt zone from 187-189.23. At 189.25-189.50 a 0.5cm wide smokey qtz ST is being synstally faulted at 15TCA w/ 1cm of displacement.
190.65	198.70			QFP	QFP	Dk gn QFP w/ vcg fls and ksp phenocrysts up to 0.5-.75cm. Str qtz, str fls, mod mont alt. tr-1%mg diss py. Very difficult to tell if unit is heavily altered AMP or clay rich QFP. Localized bch patches w/ wh-gn color. Heavy flt gouge zone from 197.8m-200.10 w/ heavy wash away. Flt zone also contains up to 2%FSx. Upper contact gradational.
		191.80	192.60	QFP	Altered QFP	wk bch wh-lt gn amp w/ two <1cm wide smokey qtz STs oriented at 130 and 150TCA respectively. Lower 50cm is int friable.

DDH-10-253: Detailed Log Cont.

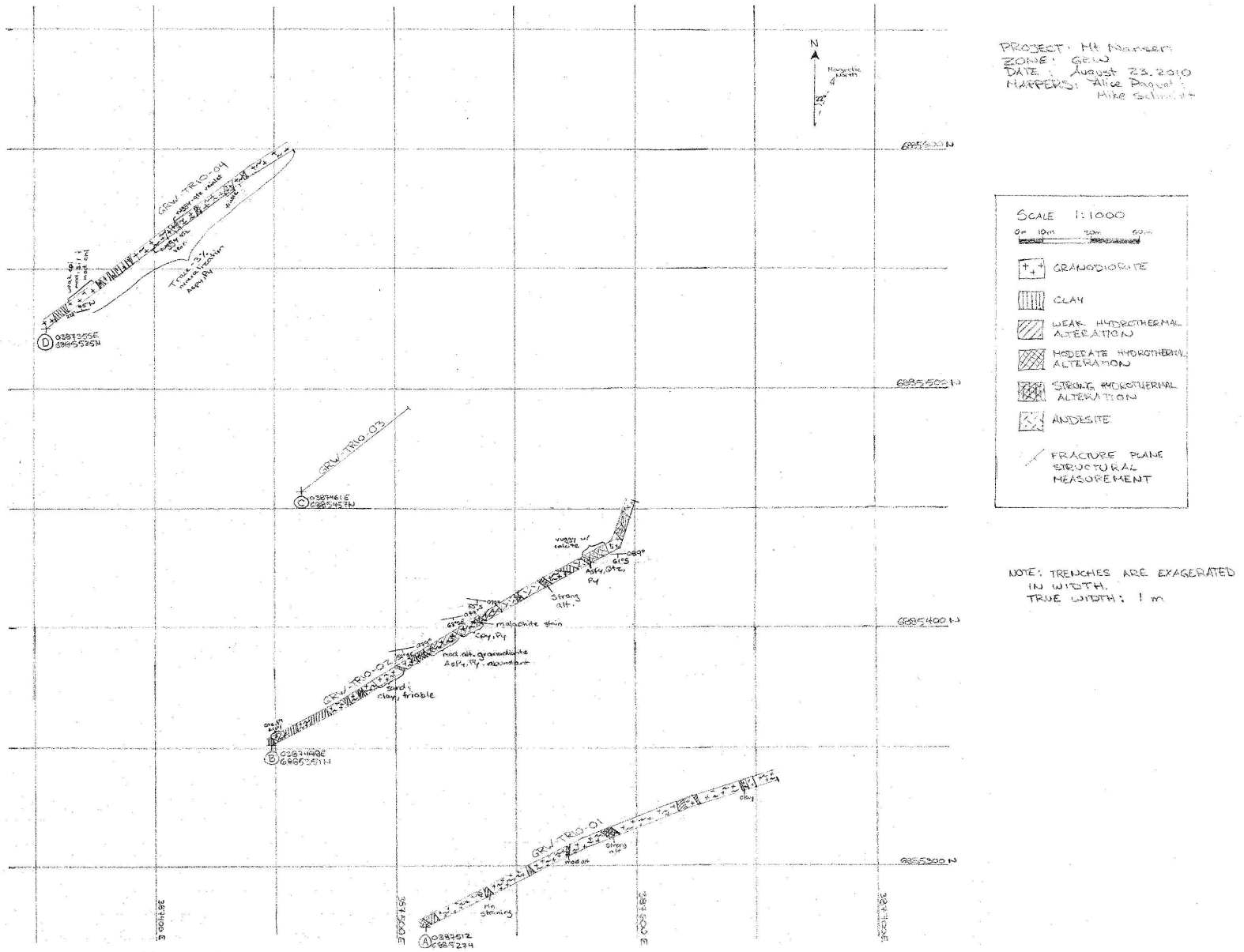
Primary		Secondary		Lith Code	Lithology	Description
From	To	From	To			
		192.60	196.20	QFP	QFP-go	dk gn Amphibolite w/ vcg fls and 1% ksp phenocrysts. Str chl, wk mon alt. Int siliceous. At 193.40-194.46 is flt zone w/ blocky/rubble core. A 2cm wide slightly smokey qtz VT is present at 194.96 oriented at 45TCA.
		196.20	198.70	QFP	Altered QFP	moderately bch QFP w/ lt gn-wh color. Int blocky and rubbly core for lower 1 meter of intervol.
198.70	201.10			GN	Bch mafic Gneiss	Int bch wh GN w/ lt gn-whi salt and pepper color, mod mont alt, mod chlo, strong siliceous,wk lim, 1-2%mg diss py and up to 3-4 FSx // to clv along with masses along with mod smokey qtz. Int flt zone w/ mod gouge, wash away, and pulverized qtz clasts. Foln predominantly overprinted due to bching but appears to be at 140TCA w/ clv // to foln. Upper contact gradational in flt gouge.
201.10	204.38			QFP	Altered QFP	Bch equigranular QFP w/ vfg fls and ksp phenocrysts in a mod chl alt. Mod Flt gouge for lower 50cm of hole. Upper contact shp at150TCA.
204.38	210.55			GN	Mafic Qtz-fls GN	Dk gn str chl alt vfg GN w/ local mon patches and tr to no Sx. Occasional qtz STs at 45TCA w/ alteration halos around vein. Large pegmatitic looking VT at 209.25-208.30 oriented at 120TCA and contains cvg pink ksp, fls, and qtz. Clv at 110TCA. Upper contact shp at 110TCA.
210.55	212.75			QFP	Qtz-fls-Porphyry	vcg gn-wh-pink QFP w/ vcg clasts of ksp, fls, qtz and chl. Tr. Vfg py. Upper contact shp at 130TCA.
212.75					EOH	

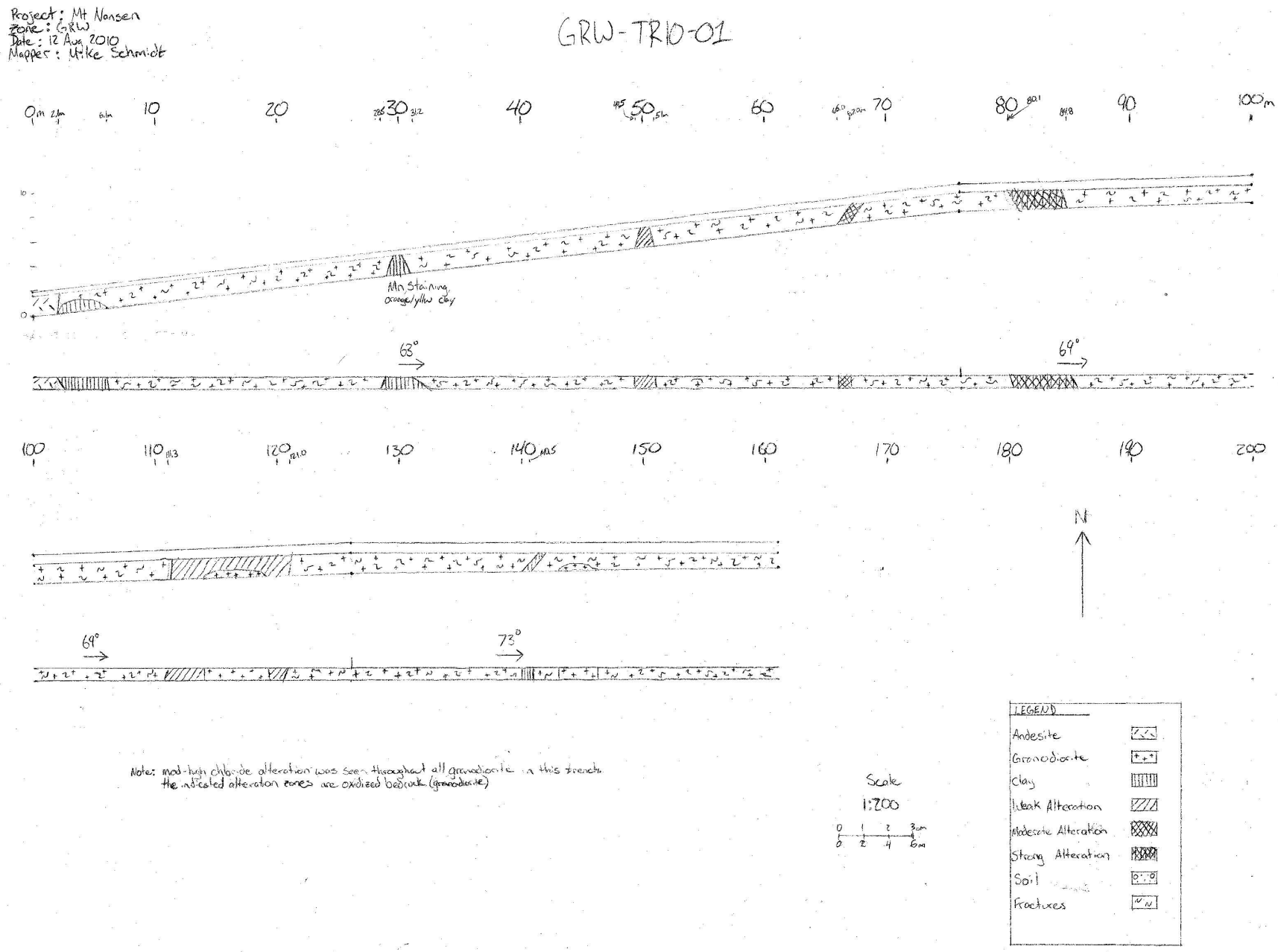
Hole		DDH-10-253												
Logged By:		Cam Norton												
Interval				Lithology		Mineralization							Assay	
From	To	Width	Sample	Code	Lithology	Py%	Asp%	Gn%	Sp%	Cp%	FSx%	Mnzn Style	Au(GM/T	Ag(PPM)
0	0.91	0.91		OB										
0.91	2.77	1.86		GN	Mafic Qtz-Fls Gneiss	1						d		
2.77	5.49	2.72		GN	Felsic Qtz-Fls Gneiss	1						d		
5.49	22.61	17.12		GN	Mafic Qtz-Fls Gneiss	1						1		
22.61	23.77	1.16		GN	Felsic Qtz-Fls Gneiss	Tr.						d		
23.77	33.43	9.66		GN	Mafic Qtz-Fls Gneiss	1		Tr	Tr		Tr	d		
33.43	53.91	20.48		GN	Felsic Qtz-Fls Gneiss	1						d		
53.91	55.23	1.32		GN	Mafic Qtz-Fls Gneiss									
55.23	64.49	9.26		GN	Felsic Qtz-Fls Gneiss	1						d		
62.71	63.30	0.59	523385	GN	Felsic Qtz-Fls Gneiss	1						d	<0.005	<0.5
63.30	64.08	0.78	523386	GN	Felsic Qtz-Fls Gneiss	1						d	<0.005	<0.5
64.08	64.50	0.42	523387	GN	Felsic Qtz-Fls Gneiss	2						d	<0.005	<0.5
64.50	65.40	0.90	523388	AMP	Amphibolite	1-2						d	<0.005	<0.5
65.40	66.40	1.00	523389	AMP	Amphibolite	1-2						d	<0.005	<0.5
64.49	66.42	1.93		AMP	Amphibolite	1-2						d		
66.42	68.50	2.08		GN	Felsic Qtz-Fls Gneiss	Tr.						d		
66.40	67.28	0.88	523390	GN	Felsic Qtz-Fls Gneiss	Tr.						d	0.031	4
68.50	71.58	3.08		GN	Mafic Qtz-Fls Gneiss	Tr.						d		
71.58	74.30	2.72		GN	Felsic Qtz-Fls Gneiss	1						d		
74.30	86.95	12.65		GN	Mafic Qtz-Fls Gneiss	Tr.						d		
86.95	93.30	6.35		GN	Felsic Qtz-Fls Gneiss	Tr.						d		
93.30	125.27	31.97		GN	Mafic Qtz-Fls Gneiss	1						d		
125.27	126.77	1.50		AMP	Amphibolite	1						d		
126.77	129.32	2.55		GN	Mafic Qtz-Fls Gneiss	1						d		
129.32	131.98	2.66		AMP	Amphibolite	1						d		
131.98	146.12	14.14		GN	Mafic Qtz-Fls Gneiss	1			tr			d,b		
143.38		1.07	523391	**GN**	Dolomite Blank								<0.005	<0.5
143.38	144.45	1.07	523392	GN	Mafic Qtz-Fls Gneiss	Tr.						d	0.199	<0.5
144.45	146.12	1.67	523393	GN	Mafic Qtz-Fls Gneiss	1						d	1.534	0.9
146.12	147.20	1.08	523394	GN	Bch GN	2-3					3	d,l	0.202	2.1
147.20	148.74	1.54	523395	GN	Bch GN	2-3					3	d,l	1.997	7.3
148.74	149.95	1.21	523396	GN	Bch GN	1-2					1	d,l	0.363	2.3
149.95	151.25	1.30	523397	GN	Bch GN	1-2					1	d,l	0.077	0.5
151.25	152.20	0.95	523398	GN	Bch GN	2-3					3	d,l	0.268	6.3
152.20	153.45	1.25	523399	GN	Bch GN	1					2	d,l	0.013	<0.5
152.20		1.25	523400	Standard PB 432									2.09	0.9

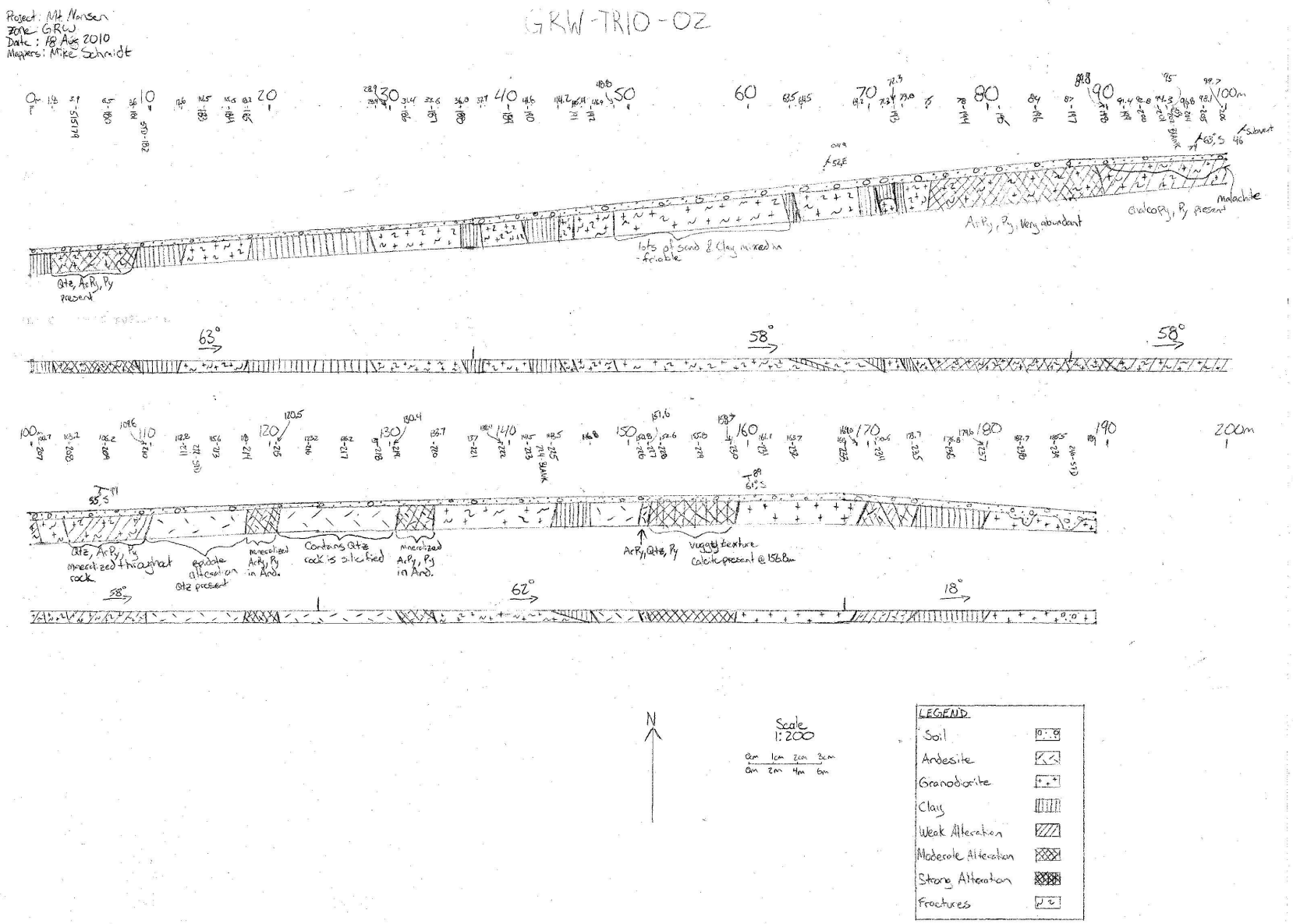
Interval				Lithology		Mineralization							Assay	
From	To	Width	Sample	Code	Lithology	Py%	Asp%	Gn%	Sp%	Cp%	FSx%	Mnzn Style	Au(GM/T	Ag(PPM)
153.45	154.50	1.05	523401	GN	Qtz-Fls Gneiss	1						d	0.016	<0.5
154.50	156.00	1.50	523402	GN	Bch GN	1						d	0.165	1.2
156.00	157.55	1.55	523403	GN	Bch GN	1						d	0.08	1.5
157.55	158.55	1.00	523404	GN	Bch GN	2-3	2-3				4	d,d,l	1.204	71.6
158.55	159.50	0.95	523405	GN	Bch GN	2-3	2-3				4	d,d,l	0.553	15.9
159.50	160.50	1.00	523406	GN	Bch GN	1						d	0.218	2.7
160.50	161.27	0.77	523407	GN	Bch GN	1-2					2	d,l	0.099	4.2
161.27	162.55	1.28	523408	QFP	altered QFP	5					5	d,o	2.074	12.7
162.55	163.98	1.43	523409	QFP	altered QFP	5					5	d,o	3.016	4
162.55		1.43	523410	Dolomite Blank									<0.005	<0.5
163.98	165.52	1.54	523411	QFP	altered QFP	1					1	d,l	0.115	1.1
165.52	166.48	0.96	523412	QFP	altered QFP	1					1	d,l	0.068	1.4
166.48	168.23	1.75	523413	QFP	Qtz-Fls porphyry	Tr.						d,l	0.088	0.6
168.23	169.34	1.11	523414	QFP	altered QFP	2-3					3	d,l	0.138	3.9
169.34	171.10	1.76	523415	QFP	altered QFP	2-3					1	d,l	0.011	<0.5
171.10	172.05	0.95	523416	QFP	altered QFP	2-3					1	d,l	<0.005	<0.5
172.05	172.90	0.85	523417	QFP	altered QFP	1-2					1	d,l	<0.005	<0.5
172.90	173.60	0.70	523418	QFP	altered QFP	1-2					1	d,l	<0.005	<0.5
173.60	174.25	0.65	523419	QFP	altered GN	1					1	d,l	<0.005	<0.5
173.60		0.65	523420	Marble Blank									<0.005	<0.5
174.25	176.17	1.92	523421	AMP	Amphibolite	tr.						d	0.005	<0.5
176.17	177.67	1.50	523422	AMP	Amphibolite	Tr						d	<0.005	<0.5
177.67	179.22	1.55	523423	AMP	Amphibolite	tr.						d	<0.005	<0.5
179.22	180.70	1.48	523424	AMP	Amphibolite	1-2					1	d,l	0.007	<0.5
180.70	182.50	1.8	523425		no data available, depth								<0.005	<0.5
182.50	184.45	1.95	523426	AMP	Amphibolite go	1-2						d	0.008	<0.5
184.45	185.55	1.1	523427	Amp	Amphibolite	1-2					1	d,l	0.031	1.2
185.55	186.95	1.4	523428	AMP	Ambhibolite	1					1-2	d,l	0.019	1.8
186.95	188.37	1.42	523429	AMP	Amphibolite	1					1-2	d,l	<0.005	<0.5
188.37	189.50	1.13	523430	AMP	Amphibolite	1					1-2	d,l	<0.005	<0.5
188.37		1.13	523430d	Pulverizer split duplicate									<0.005	<0.5
189.50	190.65	1.15	523431	AMP	Amphibolite	1					1-2	d,l	0.007	<0.5
190.65	192.40	1.75	523432	QFP	Qtz-fls-Porphyry	tr						d,l	<0.005	<0.5
192.40	193.50	1.1	523433	QFP	Qtz-fls-Porphyry	tr						d,l	0.009	<0.5
193.50	195.10	1.6	523434	QFP	Qtz-fls-Porphyry	tr						d,l	0.006	<0.5
195.10	196.70	1.6	523435	QFP	Qtz-fls-Porphyry	tr						d,l	<0.005	<0.5
196.70	198.70	2	523436	QFP	Qtz-fls-Porphyry	tr						d,l	<0.005	<0.5
198.70	199.70	1	523437	GN	Altered mafic GN	2					2-3	d,l	<0.005	<0.5
199.70	201.10	1.4	523438	GN	Altered mafic GN	2					2-3	d,l	0.019	<0.5

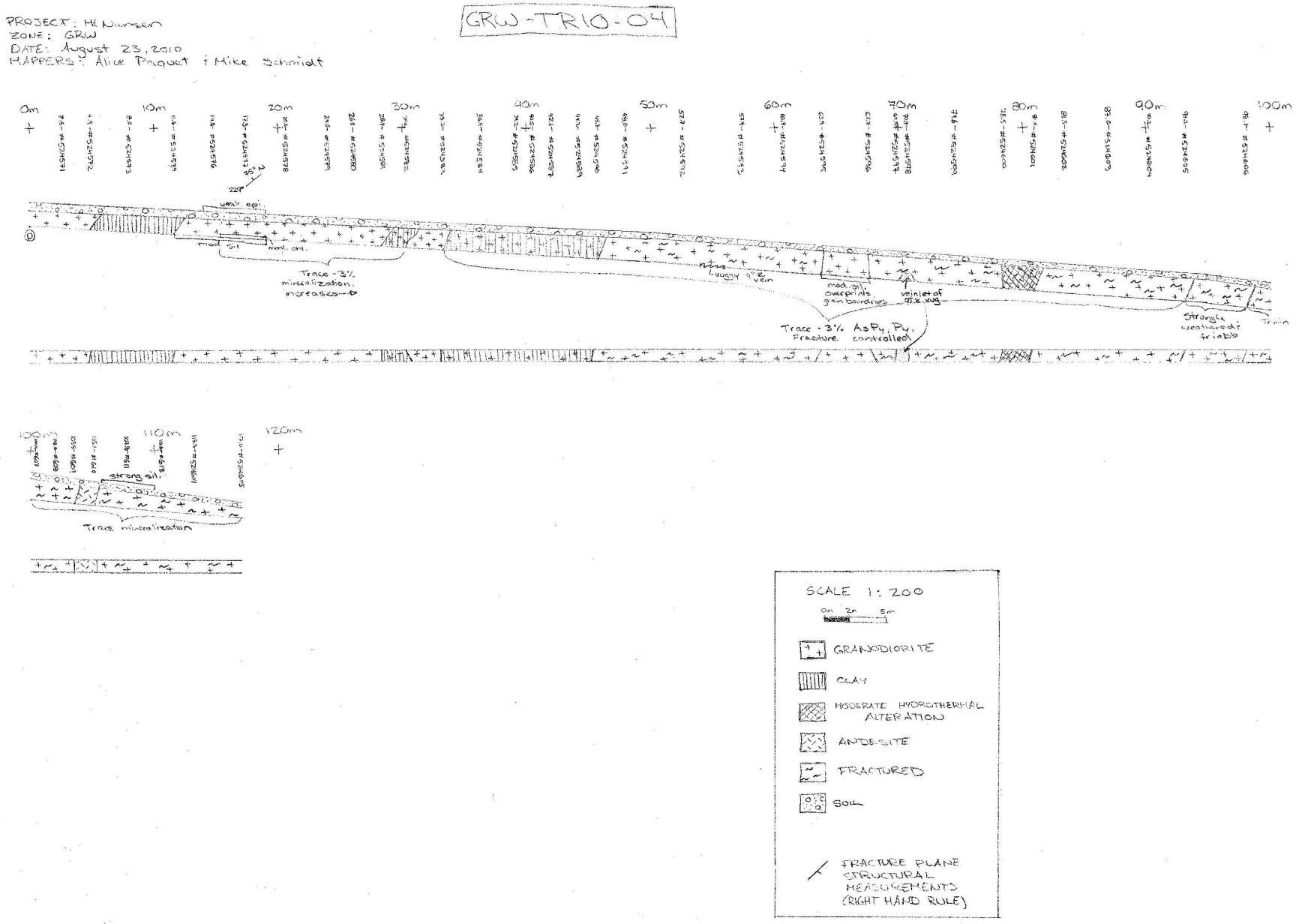
Interval				Lithology		Mineralization							Assay	
From	To	Width	Sample	Code	Lithology	Py%	Asp%	Gn%	Sp%	Cp%	FSx%	Mnzn Style	Au(GM/T	Ag(PPM)
201.10	203.16	2.06	523439	QFP	Qtz-fls-Porphyry	tr						d	<0.005	<0.5
201.10		2.06	523440	STD CU 175									0.877	3.8
203.16	204.38	1.22		QFP	Qtz-fls-Porphyry	tr						d		
204.38	210.55			GN	Mafic Qtz-fls GN	tr						d		
210.55	212.75			QFP	Qtz-fls-Porphyry	tr						d		

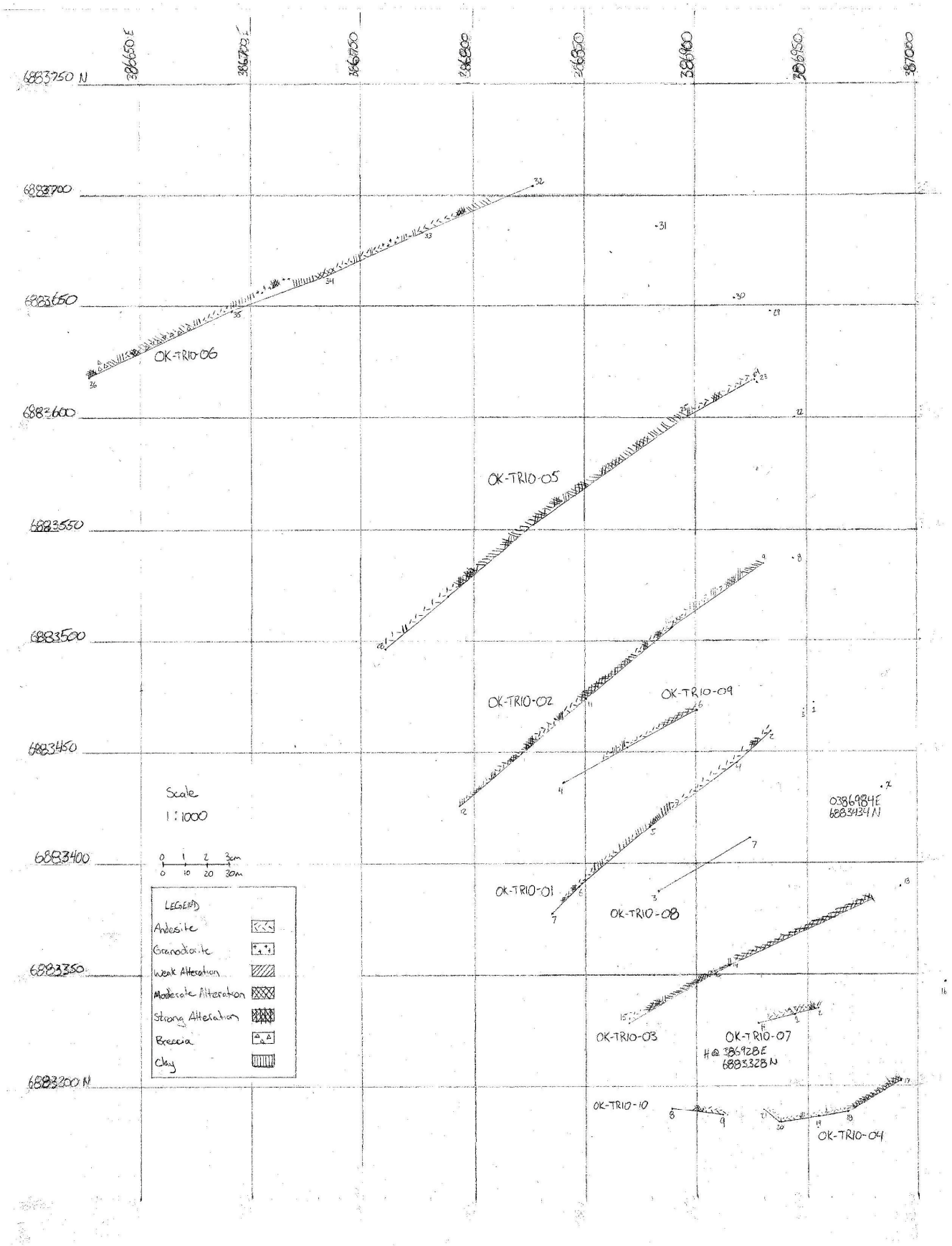
Appendix III: 2010 Trench Logs

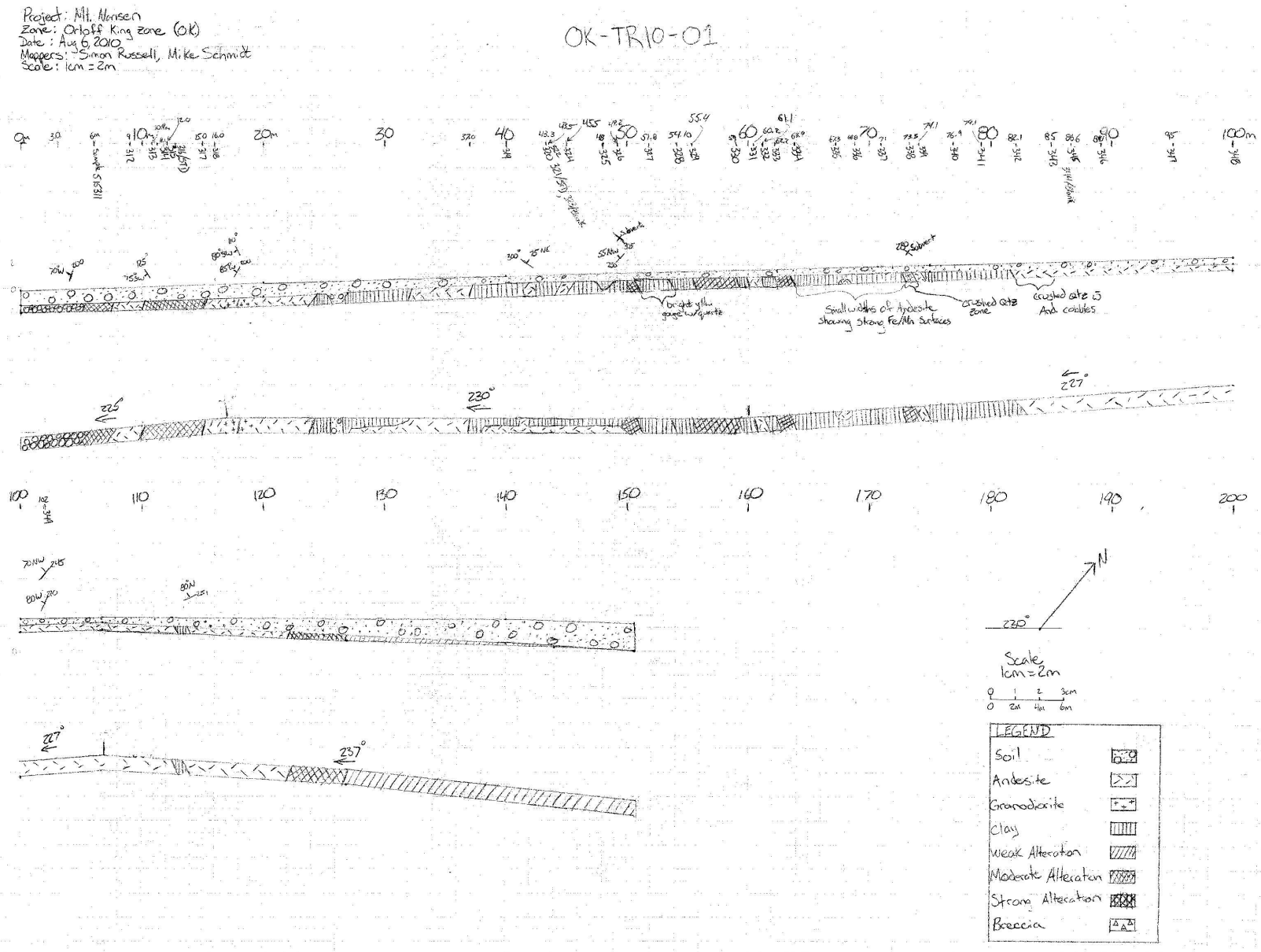

PROJECT: Mt Nansen
ZONE: GR-W
DATE: August 23, 2010
MAPPERS: Alice Paquet
Mike Selman
N
Magnetic Variation
SCALE 1:1000
0m 10m 30m 60m
GRANODIORITE
CLAY
WEAK HYDROTHERMAL ALTERATION
MODERATE HYDROTHERMAL ALTERATION
STRONG HYDROTHERMAL ALTERATION
ANDESITE
FRACTURE PLANE STRUCTURAL MEASUREMENT
NOTE: TRENCHES ARE EXAGERATED IN WIDTH.
TRUE WIDTH: 1 m
GRW-TRO-04
GRW-TRO-03
GRW-TRO-02
GRW-TRO-01
6885500 N
6885400 N
6885300 N
357500 E
357600 E
357700 E
357800 E
clay
strong alt.
mod alt
malachite stain
Strong alt.
clay, friable
mod alt. granodiorite
Aspy, Py, minor bx
vuggy wr calcite
Aspy, Py
Py
clay, Py
Py
Aspy
Py

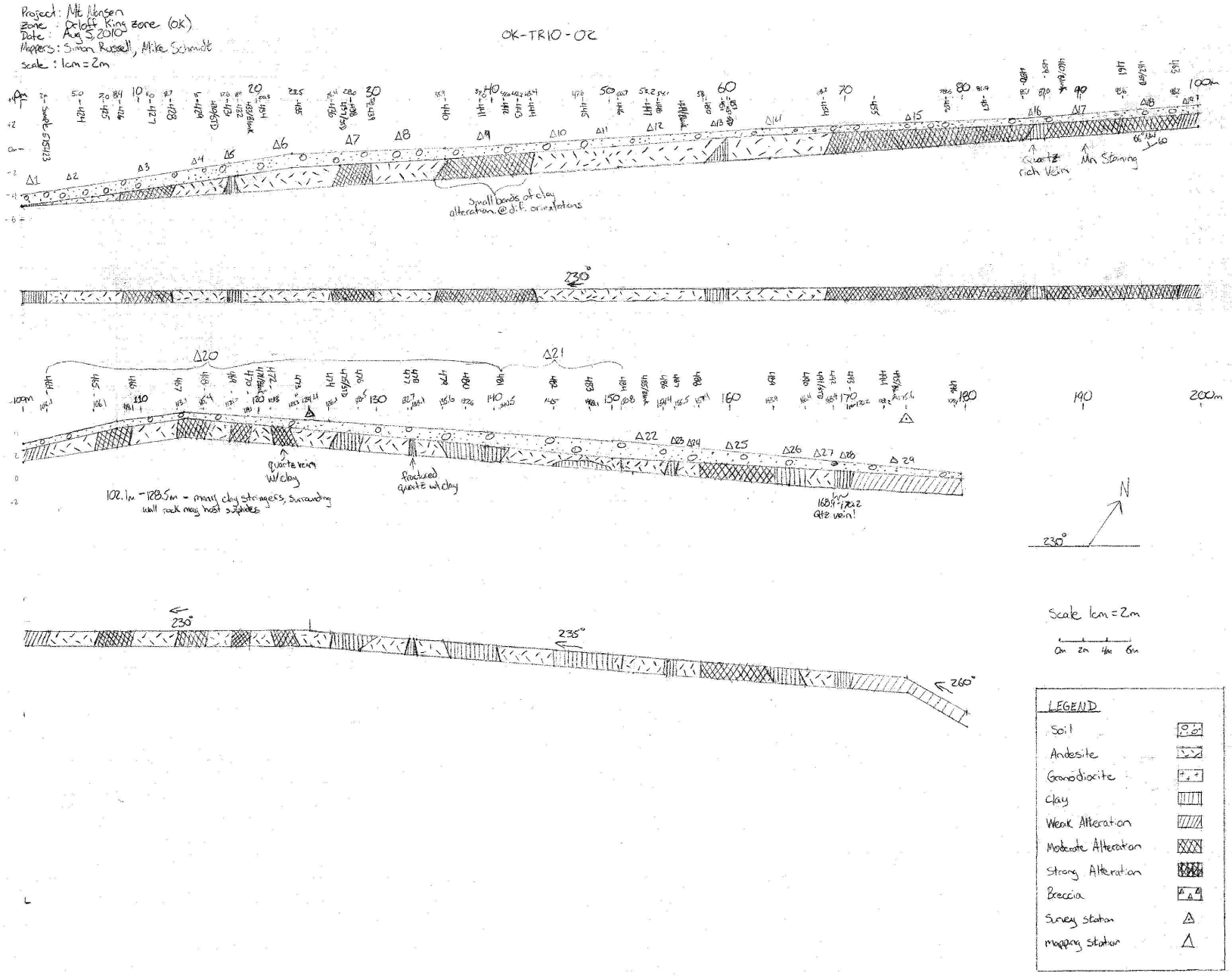

Project: Mt Nansen
Zone: GRW
Date: 12 Aug 2010
Mapper: Mike Schmidt
GRW-TR10-01
0m
10
20
30
40
50
60
70
80
90
100m
Mn Staining
orange/yllw clay
65°
69°
100
110
120
130
140
150
160
170
180
190
200
N
69°
73°
Note: mod-high chloride alteration was seen throughout all granodiorite in this trench.
the intested alteration zones are oxidized bedrock (granodiorite)
Scale
1:200
0 1 2 3m
0 2 4 6m
LEGEND
Andesite
Granodiorite
Clay
Weak Alteration
Moderate Alteration
Strong Alteration
Soil
Fractures

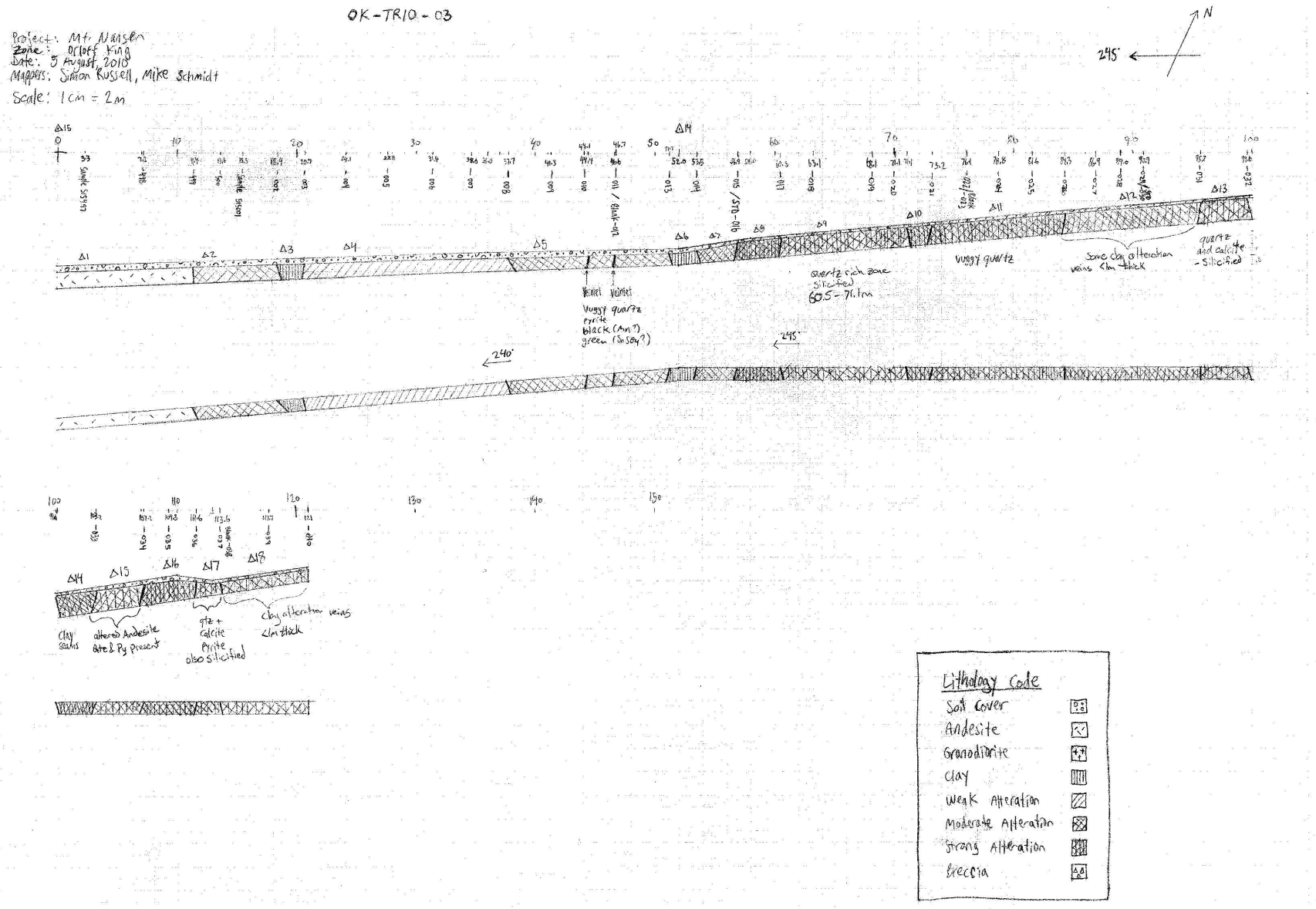

Project: Mt Nansen
Zone: GRW
Date: 18 Aug 2010
Mappers: Mike Schmidt
GRW-TRIO-02
Qtz, AcPy, Py present
lots of sand & clay mixed in - friable
AcPy, Py, very abundant
Galena Py, Py present
Malachite
63°
58°
58°
Qtz, AcPy, Py mineralized fracture
epidote alteration Qtz present
mineralized AcPy, Py in And.
Contains Qtz rock is silicified
mineralized AcPy, Py in And.
AcPy, Qtz, Py
Vuggy texture Calcite present @ 156.8m
58°
62°
18°
N
Scale 1:200
0m 1cm 2cm 3cm
0m 2m 4m 6m
LEGEND
Soil
Andesite
Granodiorite
Clay
Weak Alteration
Moderate Alteration
Strong Alteration
Fractures

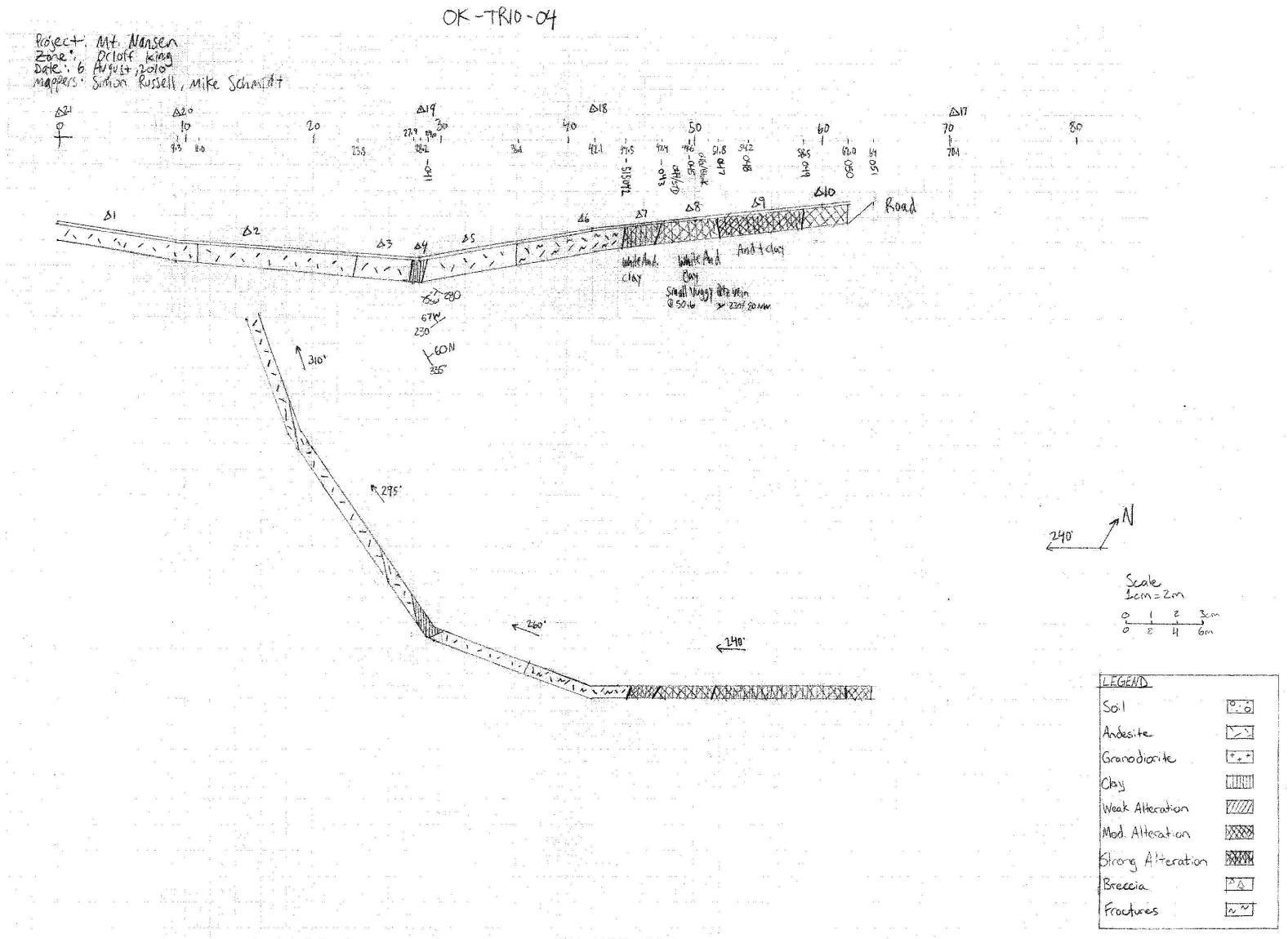

PROJECT: Mt Nansen
ZONE: GRW
DATE: August 23, 2010
MAPPERS: Alice Paquet & Mike Schmidt
GRW-TR10-04
0m
10m
20m
30m
40m
50m
60m
70m
80m
90m
100m
110m
120m
Trace - 3% mineralization, increases →
Trace - 3% AsPy, Py, Fracture controlled
Strongly weathered; friable
Trace mineralization
SCALE 1: 200
0m 2m 5m
GRANODIORITE
CLAY
MODERATE HYDROTHERMAL ALTERATION
ANDESITE
FRACTURED
SOIL
FRACTURE PLANE STRUCTURAL MEASUREMENTS (RIGHT HAND RULE)

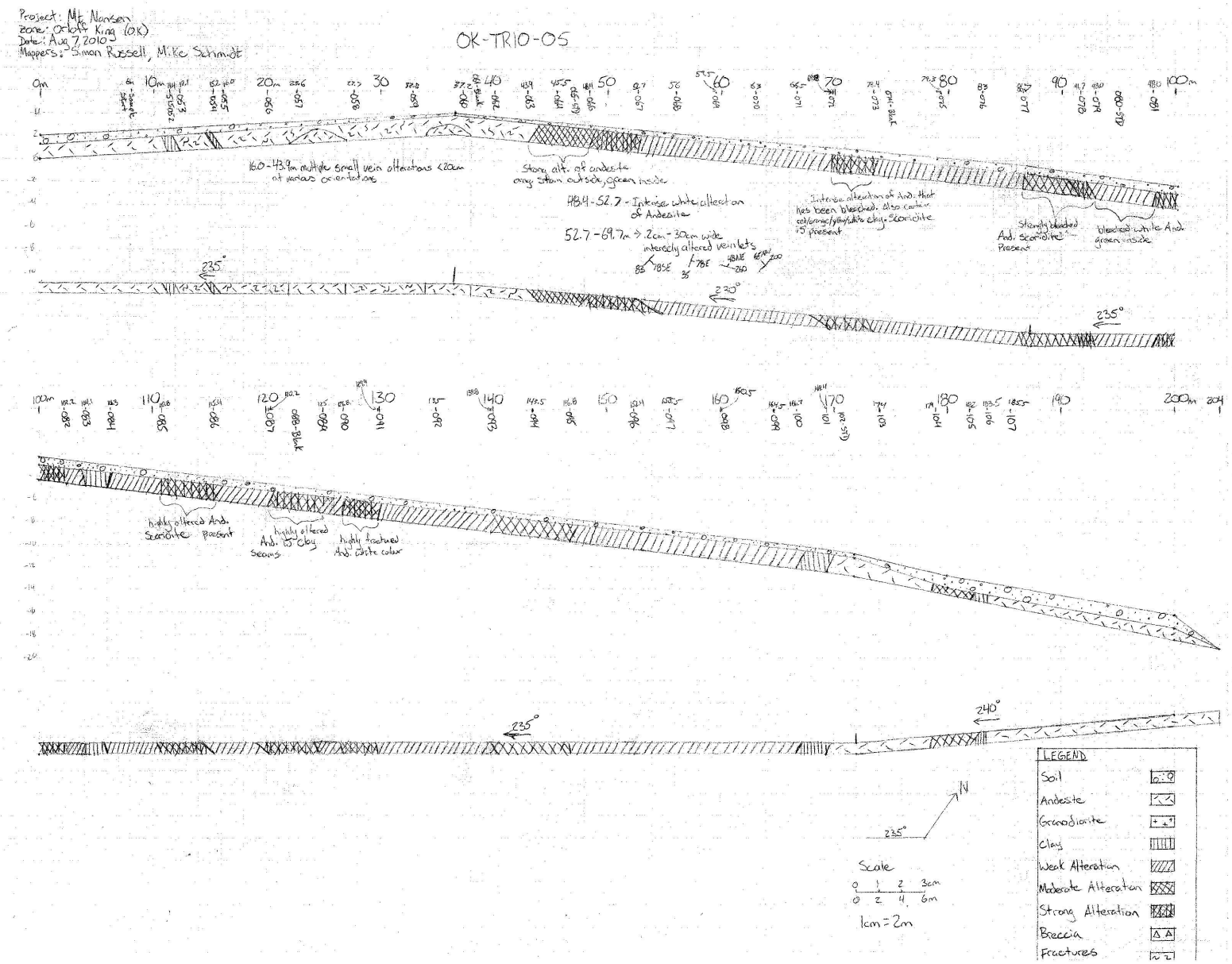

6883750 N
6883700
6883650
6883600
6883550
6883500
6883450
6883400
6883350
6883300 N
386650 E
386700
386750
386800
386850
386900
386950
387000
OK-TRIO-06
OK-TRIO-05
OK-TRIO-02
OK-TRIO-09
OK-TRIO-01
OK-TRIO-08
OK-TRIO-03
OK-TRIO-07
OK-TRIO-10
OK-TRIO-04
0386984E
6883434N
Scale
1:1000
0 1 2 3cm
0 10 20 30m
LEGEND
Andesite
Granodiorite
Weak Alteration
Moderate Alteration
Strong Alteration
Breccia
Clay

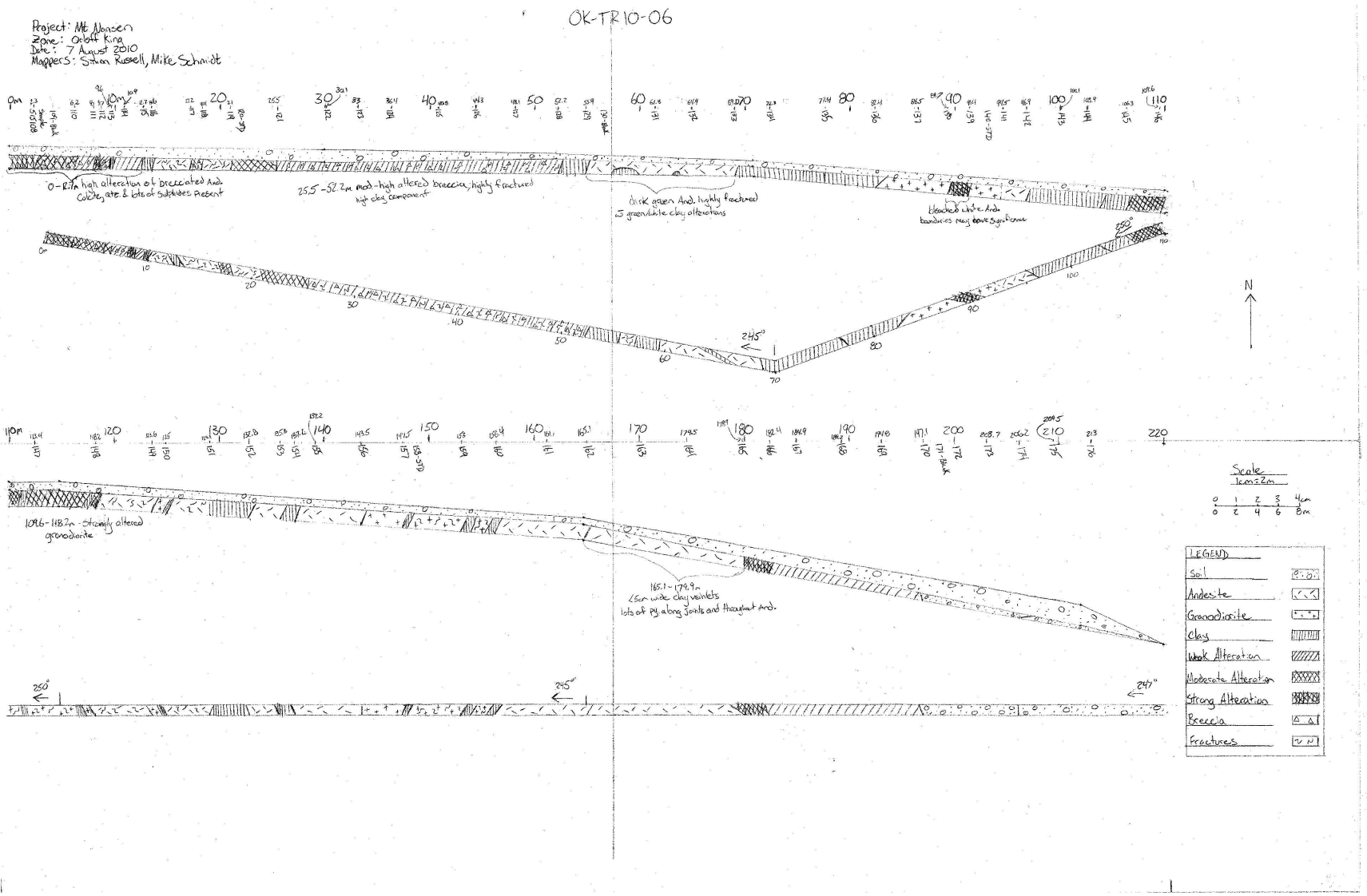

Project: Mt. Hansen
Zone: Ortoff King zone (OK)
Date: Aug 6, 2010
Mappers: Simon Russell, Mike Schmidt
Scale: 1cm = 2m
OK-TR10-01
Small widths of Andesite showing strong Fe/Mn surfaces
crushed qtz zone
crushed qtz & And cobbles
Bright yllw gossan/qtz/qtz
Scale 1cm = 2m
LEGEND
Soil
Andesite
Granodiorite
Clay
Weak Alteration
Moderate Alteration
Strong Alteration
Breccia


Project: Mt Nansen
Zone: Arloff King zone (OK)
Date: Aug 5 2010
Mappers: Simon Russell, Mike Schmidt
scale: 1cm = 2m
OK-TR10-02
Quartz rich Vein
Mn Staining
Small bands of clay alteration @ d.f. orientations
230°
Quartz vein W/clay
Fractured quartz w/clay
102.1m - 128.5m - many clay stringers, surrounding wall rock may host xylites
1659-1722 Qtz vein!
N
230°
Scale 1cm = 2m
0m 2m 4m 6m
235°
260°
LEGEND
Soil
Andesite
Granodiorite
Clay
Weak Alteration
Moderate Alteration
Strong Alteration
Breccia
Survey station
mapping station


OK-TR10-03
Project: Mt Nansen
Zone: Orloff King
Date: 5 August 2018
Mappers: Simon Russell, Mike Schmidt
Scale: 1cm = 2m
N
245°
240°
245°
Vuggy quartz pyrite black (An?) green (Ser/Sm?)
Quartz rich zone silicified 60.5 - 71.1m
Vuggy quartz
Some clay alteration veins <1m thick
quartz and calcite - silicified
clay seams
altered Andesite qtz & Py present
qtz + calcite Pyrite also silicified
clay alteration veins <1m thick
Lithology Code
Soil Cover
Andesite
Granodiorite
Clay
Weak Alteration
Moderate Alteration
Strong Alteration
Breccia

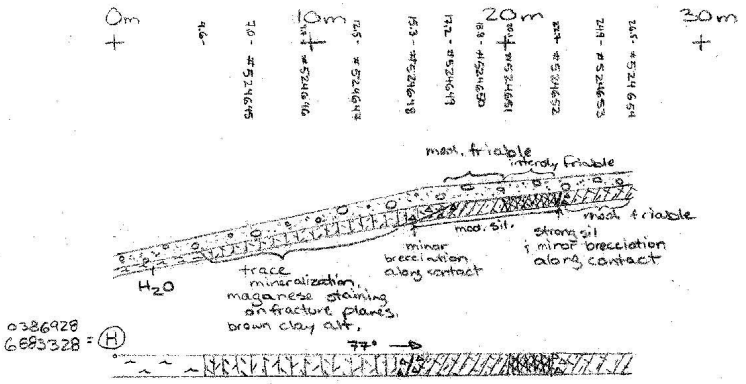

OK-TRIO-04
Project: Mt. Nansen
Zone: Dcloff King
Date: 6 August, 2010
mappers: Simon Russell, Mike Schmidt
Road
Andesite
clay
Small Vuggy qtz vein
@ 50cm
310°
295°
260°
240°
N
240°
Scale
1cm = 2m
0 1 2 3cm
0 2 4 6m
LEGEND
Soil
Andesite
Granodiorite
Clay
Weak Alteration
Mod. Alteration
Strong Alteration
Breccia
Fractures

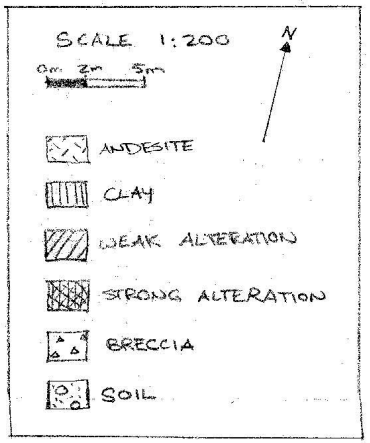

Project: Mt Nansen
Zone: Okstt King (OK)
Date: Aug 7 2010
Mappers: Simon Russell, Mike Schmidt
OK-TR10-05
160-43.9m multiple small vein alterations <20cm at various orientations
Strong alt. of andesite grey stain outside, green inside
48.4-52.7 - Intense white alteration of Andesite
52.7-69.7m → 2cm-30cm wide intensely altered veinlets
Intense alteration of And. that has been bleached. Also contains col/orange/yellow/white clay. Sericite +5 present
Strongly shaded And. Sericite Present
Bleached white And. green inside
Highly altered And. Sericite present
Highly altered And. seams of clay
Highly fractured And. white color
235°
220°
235°
235°
240°
N
235°
Scale
0 1 2 3cm
0 2 4 6m
1cm = 2m
LEGEND
Soil
Andesite
Granodiorite
Clay
Weak Alteration
Moderate Alteration
Strong Alteration
Breccia
Fractures

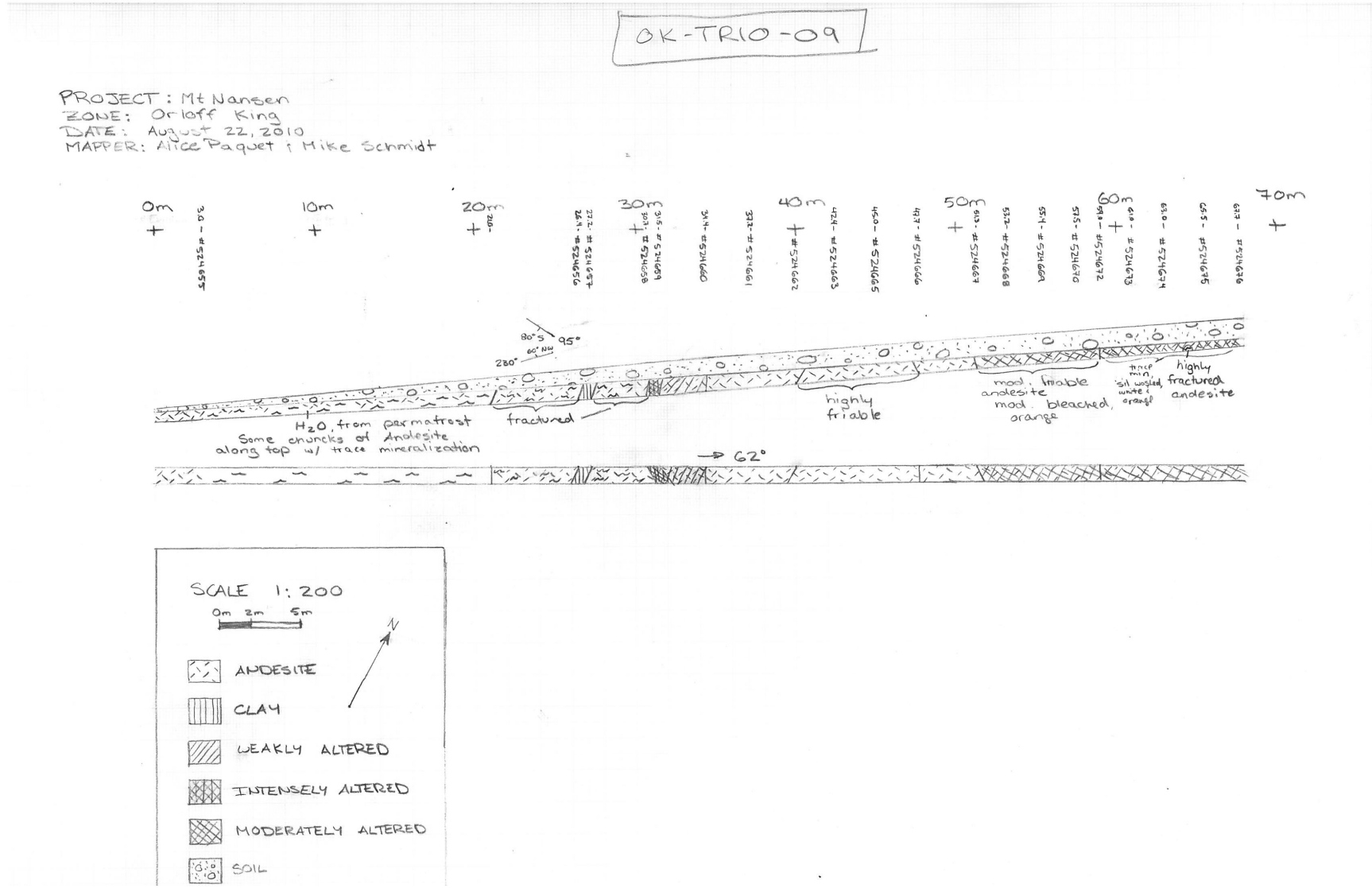

OK-TR10-06
Project: Mt Hansen
Zone: Orbit King
Date: 7 August 2010
Mappers: Stuart Russell, Mike Schmidt
0m
10m
20
30
40
50
60
70
80
90
100
110
0-12.7m high alteration of brecciated And. Calcite, gtz & lots of sulphides present
25.5-52.2m mod-high altered breccia, highly fractured high clay component
dark green And. highly fractured & green/white clay alterations
bleached white And. boundaries may have sym/chrome
N
245°
110m
120
130
140
150
160
170
180
190
200
210
220
109.6-118.2m - Strongly altered granodiorite
165.1-179.9m
1.5m wide clay veinlets
lots of py along joints and throughout And.
250°
245°
247°
Scale
1cm=2m
LEGEND
Soil
Andesite
Granodiorite
Clay
Weak Alteration
Moderate Alteration
Strong Alteration
Breccia
Fractures

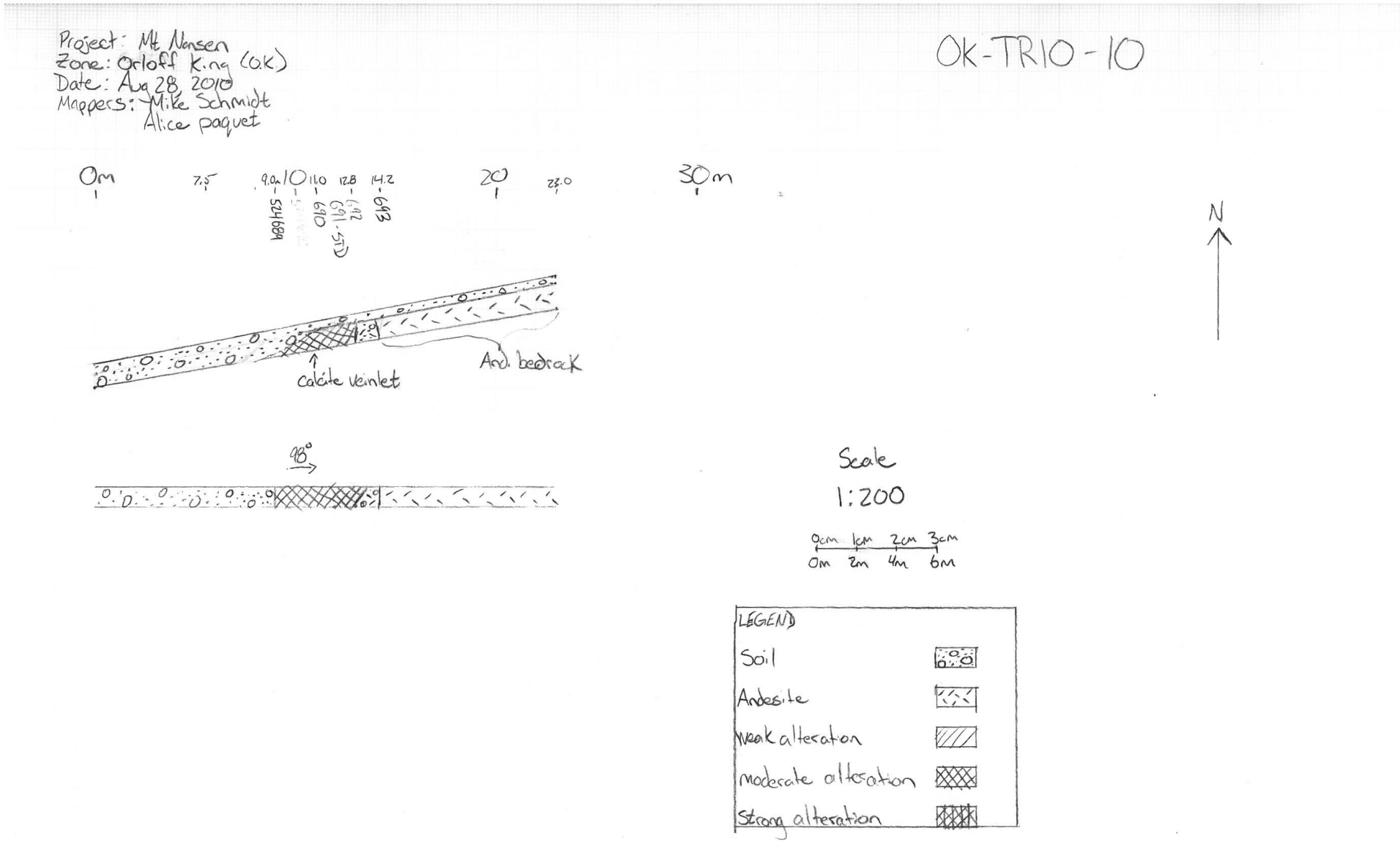
OK-TR10-07

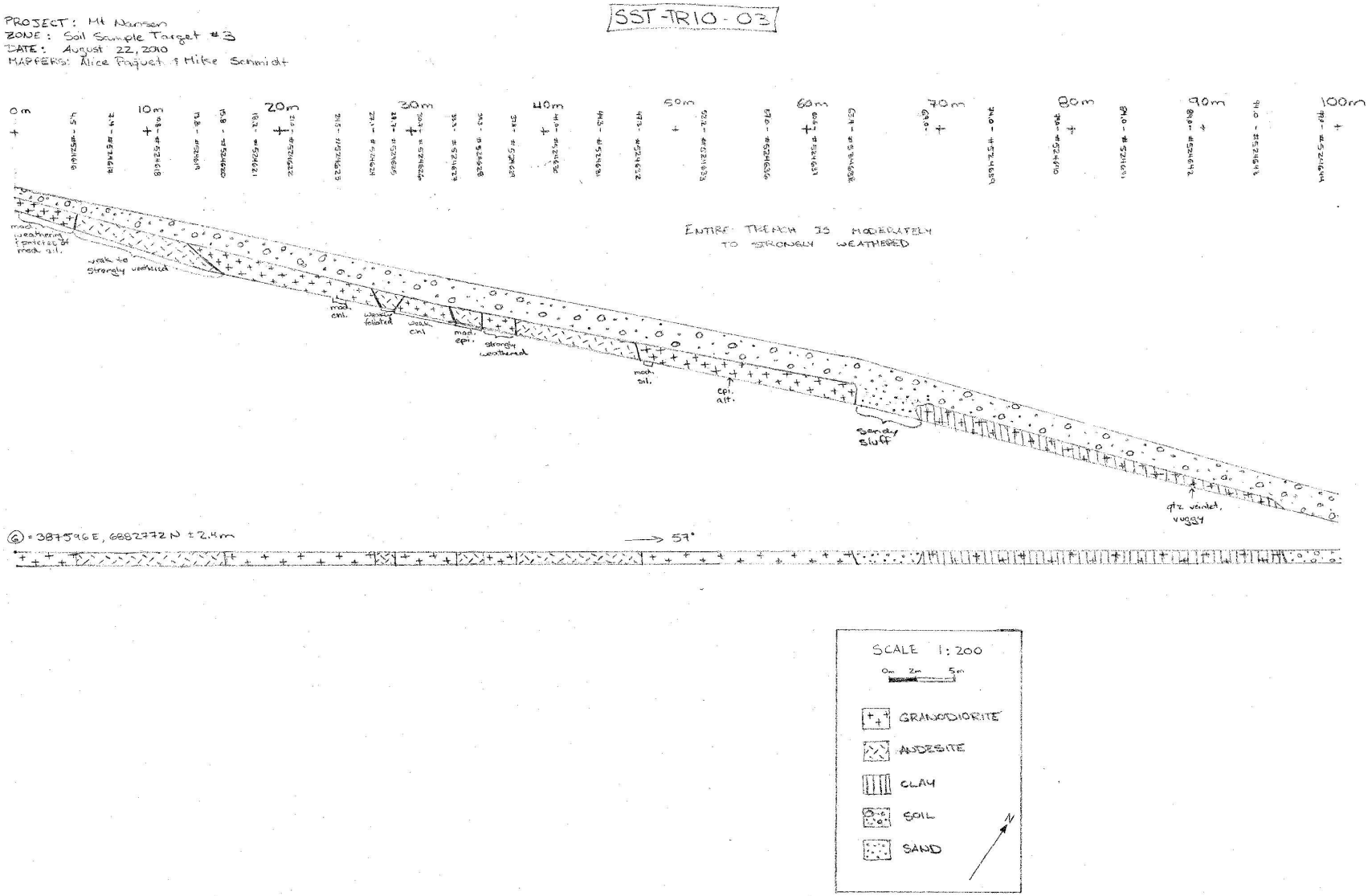
PROJECT: Mt Nansen
ZONE: Orloff Ring
DATE: August 22, 2010
MAPPERS: Alice Paquet & Mike Schmidt

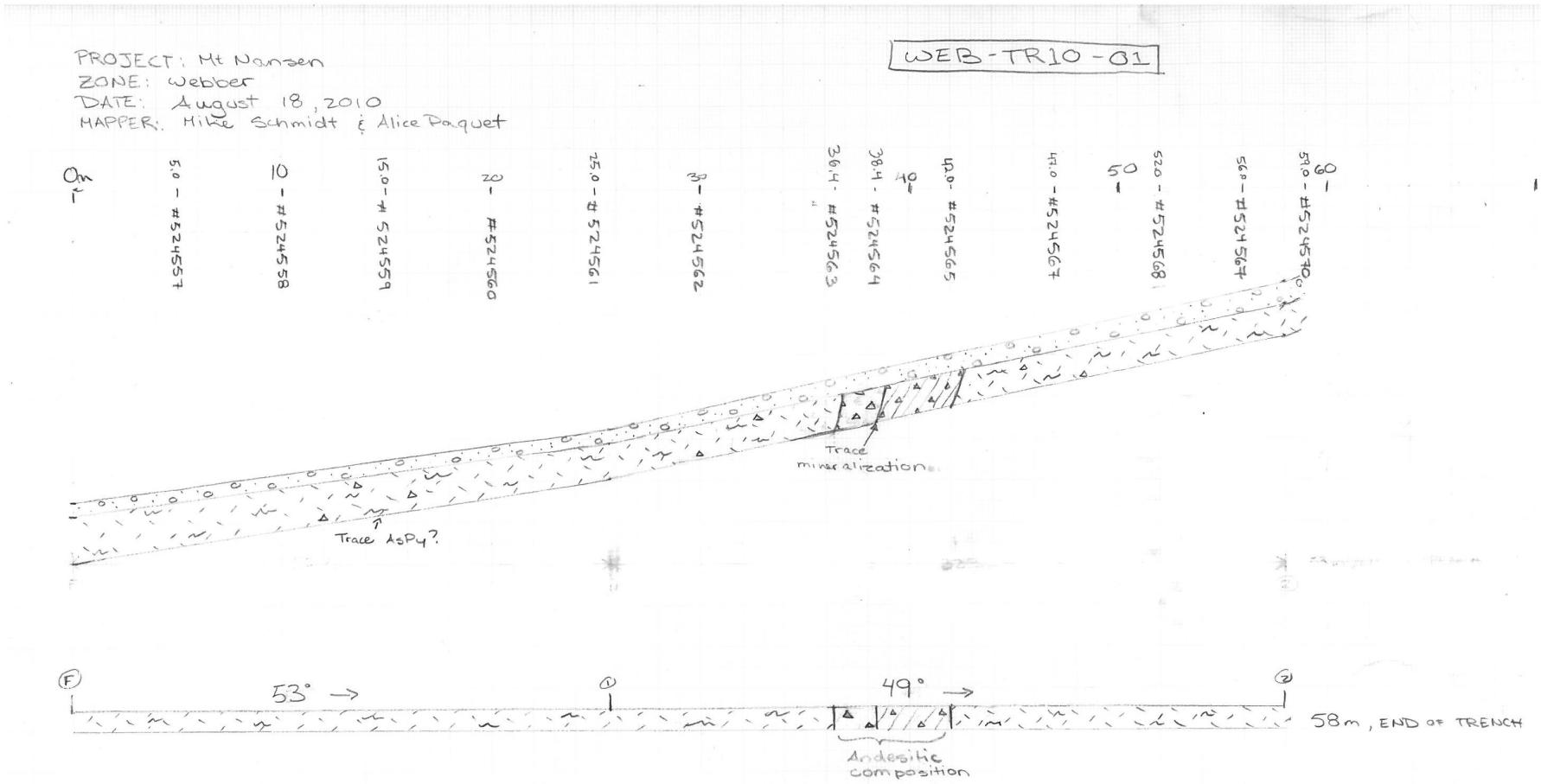





OK-TRIO-09
PROJECT: Mt Nansen
ZONE: Orloff King
DATE: August 22, 2010
MAPPER: Alice Paquet & Mike Schmidt
0m
10m
20m
30m
40m
50m
60m
70m
80° S
60° NW
95°
280°
H2O, from permafrost
Some chuncks of Andesite
along top w/ trace mineralization
fractured
highly friable
mod. friable andesite
mod. bleached, orange
trace min. sil. wisps, white & orange
highly fractured andesite
62°
SCALE 1:200
0m 2m 5m
N
ANDESITE
CLAY
WEAKLY ALTERED
INTENSELY ALTERED
MODERATELY ALTERED
SOIL

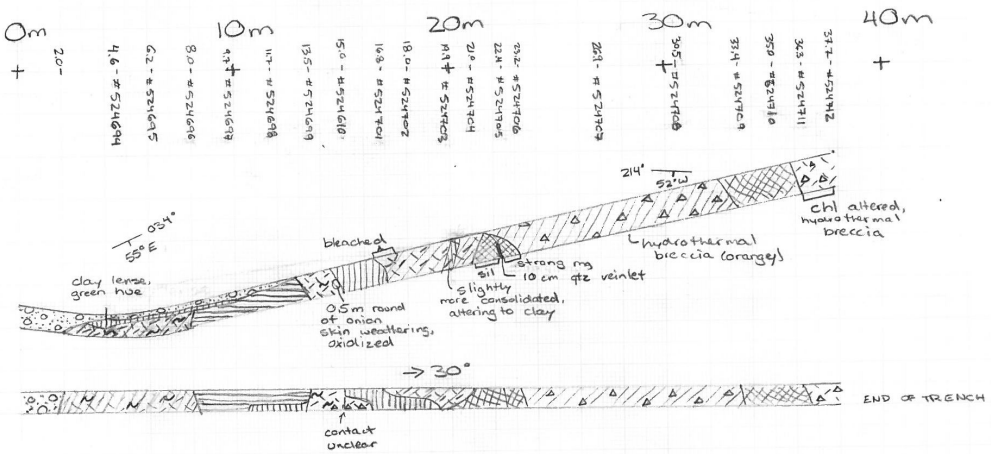

Project: Mt Nansen
Zone: Orloff King (OK)
Date: Aug 28, 2010
Mappers: Mike Schmidt
Alice paquet
OK-TR10-10
0m
7.5
9.0m
10
11.0
12.8
14.2
20
23.0
30m
524689
690
691-692
693
N
Arg. bedrock
calcite veinlet
98°
Scale
1:200
0cm 1cm 2cm 3cm
0m 2m 4m 6m
LEGEND
Soil
Andesite
weak alteration
moderate alteration
Strong alteration


PROJECT: Mt Nansen
ZONE: Soil Sample Target #3
DATE: August 22, 2010
MAPPERS: Alice Paquet & Mike Schmidt
SST-TR10-03
ENTIRE TRENCH IS MODERATELY TO STRONGLY WEATHERED
mod. weathering (remnants of mod. sil.)
weak to strongly veined
mod. chl.
weak fractured
weak chl
mod. epi.
strongly weathered
mod. sil.
epi. alt.
sandy sluff
qtz veined, vuggy
@ = 387596E, 6882772N ± 2.4m
57°
SCALE 1:200
0m 2m 5m
GRANODIORITE
ANDESITE
CLAY
SOIL
SAND
N

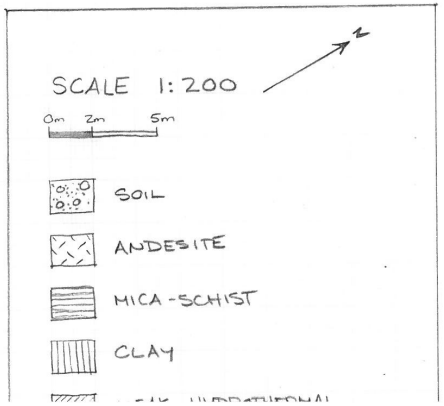

PROJECT: Mt Nansen
ZONE: Webber
DATE: August 18, 2010
MAPPER: Mike Schmidt & Alice Paquet
WEB-TR10-01
0m
5.0 - #524557
10 - #524558
15.0 - #524559
20 - #524560
25.0 - #524561
30 - #524562
36.4 - #524563
38.4 - #524564
40
42.0 - #524565
47.0 - #524567
50
52.0 - #524568
56.0 - #524569
59.0 - #524570
60
Trace mineralization
Trace AsPy?
F
53° →
1
49° →
2
58m, END OF TRENCH
Andesitic composition

PROJECT: Mt Nansen
ZONE: Webber
DATE: August 28, 2010
MAPPERS: Alice Paquet & Mike Schmidt

WEB-TR10-02



Note: Two sides of trench do not line up, possibly dug along fault plane



Appendix IV. Assay Certificates

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: August 19, 2010

CERTIFICATE OF ANALYSIS WHI10000064.1

	Method	7TD	7TD	7TD	7TD	7TD.1	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Cu	Pb	Zn	Ag	Pb	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th
	Unit	%	%	%	gm/mt	%	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	0.02	0.01	2	0.02	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2
515301	Rock	0.737	2.81	0.09	>300		0.76	>10	<2	7607	>10000	1031	>200	<2	<2	160	7.20	>10000	<20	83	5
515302	Rock						0.74	0.961	<2	74	485	60	15.1	<2	<2	61	1.25	2366	<20	<4	<2
515303	Rock						2.51	0.145	4	7	66	6	3.2	<2	<2	17	2.40	101	<20	<4	<2
515304	Rock						1.06	0.414	3	154	762	1948	5.7	3	3	2200	13.84	3118	<20	<4	5
515305	Rock						3.95	0.268	6	13	54	5145	3.9	8	<2	>10000	3.62	1283	109	<4	26
515306	Rock	0.167	5.55	0.06	>300		4.69	>10	<2	1695	>10000	686	>200	<2	<2	100	8.03	>10000	<20	53	3
515351	Rock						0.44	1.366	3	712	9393	2118	30.1	<2	<2	409	28.81	1910	<20	<4	8
515352	Rock						0.42	0.654	<2	12	156	92	18.7	6	3	2318	2.88	1587	<20	<4	5
515353	Rock						0.83	0.058	2	400	3538	2221	15.4	5	<2	298	19.60	1286	<20	<4	7
515354	Rock						0.18	1.524	<2	20	184	21	53.3	<2	<2	69	6.19	905	<20	<4	<2
515355	Rock						1.15	0.039	2	80	47	3651	2.1	73	17	1329	6.05	45	<20	<4	11
515356	Rock						0.99	0.775	<2	13	320	15	12.4	<2	<2	76	7.14	250	<20	<4	3
515357	Rock						1.08	0.312	3	43	42	111	2.2	<2	2	95	6.42	98	<20	<4	6
515358	Rock						0.80	1.860	3	323	61	378	4.5	4	9	255	12.70	304	<20	<4	10
515359	Rock						0.52	0.545	3	71	33	82	3.5	<2	6	95	3.35	63	<20	<4	9
515360	Rock						0.97	0.089	<2	164	50	51	5.1	3	12	173	3.43	48	<20	<4	10
515361	Rock						1.85	0.010	2	6	14	96	<0.5	5	6	480	3.82	32	<20	<4	8
515362	Rock						1.00	<0.005	<2	<2	<5	11	<0.5	<2	<2	262	0.50	<5	<20	<4	<2
515363	Rock	0.074	4.79	0.11	>300		3.07	7.963	237	788	>10000	1291	>200	<2	<2	735	20.96	>10000	<20	9	9
515364	Rock						2.54	0.031	2	125	659	365	6.3	5	4	821	3.31	92	<20	<4	9
515401	Rock						1.48	6.295	<2	608	6793	549	100.7	2	<2	86	2.26	9398	<20	7	<2
515402	Rock						0.23	0.033	<2	8	61	96	2.7	<2	<2	132	1.61	720	<20	<4	3
515403	Rock						0.58	0.035	<2	11	22	98	<0.5	4	2	609	1.12	98	<20	<4	<2
515404	Rock	1.605	>10	0.97	>300	11.51	0.29	>10	<2	>10000	>10000	>10000	>200	<2	<2	109	13.67	>10000	<20	118	5
515405	Rock						0.32	0.015	2	37	44	93	1.4	2	3	997	2.24	104	<20	<4	21
515406	Rock						0.48	0.176	<2	13	160	22	1.9	<2	<2	62	0.50	302	<20	<4	<2
515407	Rock						0.69	2.739	<2	13	77	56	2.4	<2	<2	309	1.27	1348	<20	<4	<2
515408	Rock						0.57	9.757	20	4	86	18	7.2	<2	<2	95	1.62	1654	<20	10	<2
515409	Rock						0.36	0.096	<2	240	189	902	3.1	4	<2	565	3.79	1335	<20	<4	6
515410	Rock						0.31	0.338	<2	8	61	217	1.9	<2	5	1452	0.88	419	<20	<4	4

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: August 19, 2010

CERTIFICATE OF ANALYSIS WHI10000064.1

	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb
	Unit	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm
	MDL	2	0.4	5	5	2	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2
515301	Rock	164	488.9	>4000	<5	32	0.18	0.084	4	19	0.04	254	0.05	2.38	0.01	0.43	<4	5	68	<2	<2
515302	Rock	63	1.6	396	<5	8	0.03	0.007	5	<2	0.06	365	0.04	1.81	0.03	0.89	<4	8	3	2	<2
515303	Rock	35	0.5	42	<5	88	<0.01	0.026	7	50	0.34	1472	0.13	7.46	0.14	3.59	10	23	7	2	5
515304	Rock	23	33.9	651	<5	98	0.08	0.057	15	38	0.21	190	0.25	4.71	0.01	2.11	7	70	<2	8	5
515305	Rock	547	54.8	229	<5	16	0.24	0.010	32	14	0.06	98	0.01	0.72	0.03	0.49	<4	5	<2	9	<2
515306	Rock	47	91.9	>4000	<5	63	0.04	0.154	14	11	0.05	143	0.12	1.40	0.01	0.77	<4	5	53	3	<2
515351	Rock	108	22.7	26	35	154	0.12	0.184	27	34	0.37	317	0.20	6.64	0.08	2.84	<4	55	68	9	4
515352	Rock	45	1.9	90	<5	35	0.09	0.028	27	5	0.18	774	0.08	3.73	0.04	1.72	<4	19	11	6	3
515353	Rock	99	3.3	328	<5	85	0.04	0.107	13	9	0.29	323	0.18	5.81	0.03	2.41	<4	39	22	5	5
515354	Rock	36	1.2	47	<5	39	0.05	0.019	<2	4	0.08	118	0.08	1.91	0.05	0.85	<4	10	37	<2	<2
515355	Rock	98	56.1	9	<5	119	3.00	0.077	22	149	2.74	589	0.34	8.46	0.13	2.37	<4	93	3	14	8
515356	Rock	11	<0.4	28	33	40	0.03	0.010	17	4	0.15	51	0.11	3.83	0.05	3.37	6	10	11	2	3
515357	Rock	9	1.1	9	9	101	0.04	0.024	10	6	0.13	148	0.16	5.49	0.02	0.60	11	12	4	3	4
515358	Rock	17	4.5	84	26	94	0.05	0.048	34	10	0.13	56	0.22	7.24	<0.01	0.77	9	10	7	13	5
515359	Rock	42	<0.4	57	23	107	0.07	0.032	7	8	0.46	228	0.27	8.17	0.13	4.41	8	11	23	5	8
515360	Rock	282	<0.4	<5	50	82	0.71	0.056	17	9	0.89	322	0.23	8.12	2.30	4.32	5	11	3	14	6
515361	Rock	433	2.9	<5	<5	59	0.99	0.083	24	8	0.39	59	0.18	7.98	1.89	3.22	<4	51	4	10	6
515362	Rock	45	<0.4	<5	<5	<2	21.31	0.014	2	<2	13.26	65	<0.01	0.10	<0.01	0.02	<4	<2	<2	<2	<2
515363	Rock	216	26.4	2281	1093	28	0.20	0.073	9	3	0.07	216	0.02	1.29	0.02	0.87	<4	3	29	6	<2
515364	Rock	130	5.0	18	<5	57	1.98	0.093	24	13	0.53	105	0.13	8.54	0.18	3.21	<4	82	4	7	5
515401	Rock	24	9.4	1186	<5	31	0.05	0.014	4	6	0.07	339	0.13	2.16	0.01	0.99	9	5	14	3	2
515402	Rock	53	1.0	198	<5	42	0.04	0.017	9	5	0.10	256	0.15	2.96	0.02	1.28	<4	3	<2	6	3
515403	Rock	41	0.9	45	<5	19	0.10	0.046	2	<2	0.01	803	0.04	1.52	0.04	0.79	<4	<2	<2	4	<2
515404	Rock	40	550.9	>4000	<5	7	0.02	0.014	<2	<2	<0.01	21	<0.01	0.27	<0.01	0.07	<4	<2	185	<2	<2
515405	Rock	72	<0.4	52	<5	40	0.16	0.045	49	3	0.18	170	0.14	6.63	0.17	2.88	<4	65	<2	12	5
515406	Rock	4	0.4	38	<5	4	0.02	0.005	<2	<2	0.01	40	<0.01	0.34	<0.01	0.16	<4	<2	<2	<2	<2
515407	Rock	26	1.1	113	<5	89	0.10	0.026	6	13	0.14	443	0.16	3.14	0.01	1.56	<4	10	3	4	5
515408	Rock	85	<0.4	248	<5	82	0.07	0.026	13	9	0.13	649	0.27	4.01	0.02	1.90	<4	10	<2	4	5
515409	Rock	36	19.8	286	<5	10	0.05	0.031	12	<2	0.19	841	0.08	4.05	0.05	2.38	<4	18	<2	9	3
515410	Rock	59	2.7	116	<5	7	0.03	0.010	7	<2	0.10	1256	0.05	2.84	0.02	1.10	<4	10	<2	3	2

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: August 19, 2010

CERTIFICATE OF ANALYSIS WHI10000064.1

		Method	1E	1E	1E	G6Gr
		Analyte	Be	Sc	S	Au
		Unit	ppm	ppm	%	gm/mt
		MDL	1	1	0.1	0.17
515301	Rock		<1	21	1.0	71.70
515302	Rock		<1	1	0.5	
515303	Rock		1	9	<0.1	
515304	Rock		<1	10	<0.1	
515305	Rock		<1	<1	<0.1	
515306	Rock		<1	10	2.0	46.16
515351	Rock		2	13	0.9	
515352	Rock		1	4	<0.1	
515353	Rock		2	6	0.4	
515354	Rock		<1	3	1.8	
515355	Rock		1	15	1.8	
515356	Rock		<1	4	3.0	
515357	Rock		<1	6	0.1	
515358	Rock		<1	8	<0.1	
515359	Rock		<1	11	1.1	
515360	Rock		1	10	1.8	
515361	Rock		2	6	2.4	
515362	Rock		<1	<1	<0.1	
515363	Rock		<1	5	1.2	
515364	Rock		2	6	1.8	
515401	Rock		<1	9	0.9	
515402	Rock		<1	7	<0.1	
515403	Rock		<1	5	<0.1	
515404	Rock		<1	2	9.1	112.66
515405	Rock		2	5	0.9	
515406	Rock		<1	<1	<0.1	
515407	Rock		<1	8	0.1	
515408	Rock		<1	8	0.2	
515409	Rock		<1	2	<0.1	
515410	Rock		<1	1	<0.1	

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: August 19, 2010

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CERTIFICATE OF ANALYSIS WHI10000064.1

	Method	7TD	7TD	7TD	7TD	7TD.1	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Cu	Pb	Zn	Ag	Pb	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th
	Unit	%	%	%	gm/mt	%	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	0.02	0.01	2	0.02	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2
515411	Rock						0.59	1.744	<2	96	2024	1110	56.4	9	3	340	5.11	2256	<20	<4	5
515412	Rock	0.047	2.58	0.07	>300		0.56	>10	<2	481	>10000	754	>200	3	<2	320	3.95	>10000	<20	20	5
515413	Rock						1.08	0.552	<2	48	2468	117	38.5	<2	<2	198	0.91	1090	<20	<4	2
515414	Rock						0.19	2.187	<2	54	584	110	16.4	<2	<2	138	1.09	2324	<20	<4	2
515415	Rock						0.24	2.137	<2	7	604	20	31.4	3	<2	93	0.46	559	<20	<4	<2
515416	Rock	0.046	2.62	0.07	>300		0.39	>10	<2	482	>10000	849	>200	7	<2	75	1.55	6406	<20	27	<2
515417	Rock						0.54	>10	<2	619	317	71	34.7	<2	<2	191	6.16	>10000	<20	54	3
515418	Rock						0.82	0.391	<2	59	4967	641	25.3	3	<2	176	3.21	386	<20	<4	<2
515419	Rock	0.171	6.61	0.05	>300		0.55	>10	<2	1805	>10000	596	>200	3	<2	862	4.44	>10000	<20	12	<2
515420	Rock						0.42	0.055	<2	61	139	248	2.8	4	5	374	8.06	107	<20	<4	3
515421	Rock						0.93	0.454	9	81	4042	74	65.7	3	<2	84	1.02	3305	<20	<4	<2
515422	Rock						0.30	0.169	<2	16	275	7	6.3	2	<2	44	1.06	818	<20	<4	2
REP 515409	Rock						0.35	0.059	<2	298	193	779	4.0	5	3	966	4.12	1656	<20	<4	7

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: August 19, 2010

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CERTIFICATE OF ANALYSIS WHI10000064.1

	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb
	Unit	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm
	MDL	2	0.4	5	5	2	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2
515411	Rock	124	22.3	656	<5	88	0.25	0.052	12	26	0.33	787	0.25	7.17	0.05	2.91	<4	8	<2	6	7
515412	Rock	395	180.0	>4000	<5	33	0.36	0.058	5	12	0.16	716	0.08	3.28	0.23	1.18	<4	6	22	7	2
515413	Rock	55	4.9	215	<5	57	0.03	0.013	2	11	0.16	838	0.14	3.82	0.02	2.16	4	4	4	<2	3
515414	Rock	35	7.2	1037	<5	5	0.04	0.004	4	<2	0.07	1253	0.03	1.61	0.02	0.72	<4	6	4	<2	<2
515415	Rock	19	0.9	153	<5	3	0.02	<0.002	<2	3	0.03	288	0.01	1.00	0.01	0.38	<4	<2	<2	<2	<2
515416	Rock	20	149.8	>4000	<5	<2	0.05	0.026	<2	5	<0.01	279	<0.01	0.23	<0.01	0.04	<4	<2	64	4	<2
515417	Rock	14	4.2	646	<5	89	0.03	0.030	3	10	0.10	367	0.16	3.06	0.02	1.37	5	<2	22	3	<2
515418	Rock	22	3.6	204	<5	136	0.05	0.023	6	130	0.24	2651	0.30	5.71	0.01	2.82	4	16	4	<2	4
515419	Rock	26	34.1	>4000	<5	8	0.08	0.030	5	5	0.02	163	<0.01	0.33	<0.01	0.11	<4	<2	64	7	<2
515420	Rock	289	1.8	15	7	170	1.35	0.056	11	37	0.89	911	0.29	7.49	2.64	2.15	<4	10	4	10	4
515421	Rock	22	1.2	231	11	36	0.04	0.039	11	4	0.15	1510	0.14	4.73	0.02	2.38	<4	7	3	6	3
515422	Rock	49	<0.4	81	<5	34	0.03	0.019	8	27	0.07	1562	0.13	2.97	0.09	1.37	<4	5	<2	4	3
REP 515409	Rock	49	25.4	178	<5	9	0.12	0.032	10	3	0.20	726	0.06	3.71	0.11	2.06	<4	15	<2	9	3

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

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CERTIFICATE OF ANALYSIS WHI10000064.1

		Method	1E	1E	1E	G6Gr
		Analyte	Be	Sc	S	Au
		Unit	ppm	ppm	%	gm/mt
		MDL	1	1	0.1	0.17
515411	Rock		2	10	0.4	
515412	Rock		1	5	0.4	20.27
515413	Rock		1	5	<0.1	
515414	Rock		<1	1	0.1	
515415	Rock		<1	<1	<0.1	
515416	Rock		<1	4	0.6	26.02
515417	Rock		<1	34	0.2	47.26
515418	Rock		<1	10	0.3	
515419	Rock		<1	5	1.5	12.89
515420	Rock		1	17	0.4	
515421	Rock		<1	7	0.1	
515422	Rock		<1	8	0.3	
REP 515409	Rock		<1	2	<0.1	

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

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Report Date: August 27, 2010

CERTIFICATE OF ANALYSIS WHI10000064.2

	Method	7TD	7TD	7TD	7TD	7TD.1	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Cu	Pb	Zn	Ag	Pb	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th
	Unit	%	%	%	gm/mt	%	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	0.02	0.01	2	0.02	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2
515301	Rock	0.737	2.81	0.09	>300		0.76	>10	<2	7607	>10000	1031	>200	<2	<2	160	7.20	>10000	<20	83	5
515302	Rock						0.74	0.961	<2	74	485	60	15.1	<2	<2	61	1.25	2366	<20	<4	<2
515303	Rock						2.51	0.145	4	7	66	6	3.2	<2	<2	17	2.40	101	<20	<4	<2
515304	Rock						1.06	0.414	3	154	762	1948	5.7	3	3	2200	13.84	3118	<20	<4	5
515305	Rock						3.95	0.268	6	13	54	5145	3.9	8	<2	>10000	3.62	1283	109	<4	26
515306	Rock	0.167	5.55	0.06	>300		4.69	>10	<2	1695	>10000	686	>200	<2	<2	100	8.03	>10000	<20	53	3
515351	Rock						0.44	1.366	3	712	9393	2118	30.1	<2	<2	409	28.81	1910	<20	<4	8
515352	Rock						0.42	0.654	<2	12	156	92	18.7	6	3	2318	2.88	1587	<20	<4	5
515353	Rock						0.83	0.058	2	400	3538	2221	15.4	5	<2	298	19.60	1286	<20	<4	7
515354	Rock						0.18	1.524	<2	20	184	21	53.3	<2	<2	69	6.19	905	<20	<4	<2
515355	Rock						1.15	0.039	2	80	47	3651	2.1	73	17	1329	6.05	45	<20	<4	11
515356	Rock						0.99	0.775	<2	13	320	15	12.4	<2	<2	76	7.14	250	<20	<4	3
515357	Rock						1.08	0.312	3	43	42	111	2.2	<2	2	95	6.42	98	<20	<4	6
515358	Rock						0.80	1.860	3	323	61	378	4.5	4	9	255	12.70	304	<20	<4	10
515359	Rock						0.52	0.545	3	71	33	82	3.5	<2	6	95	3.35	63	<20	<4	9
515360	Rock						0.97	0.089	<2	164	50	51	5.1	3	12	173	3.43	48	<20	<4	10
515361	Rock						1.85	0.010	2	6	14	96	<0.5	5	6	480	3.82	32	<20	<4	8
515362	Rock						1.00	<0.005	<2	<2	<5	11	<0.5	<2	<2	262	0.50	<5	<20	<4	<2
515363	Rock	0.074	4.79	0.11	>300		3.07	7.963	237	788	>10000	1291	>200	<2	<2	735	20.96	>10000	<20	9	9
515364	Rock						2.54	0.031	2	125	659	365	6.3	5	4	821	3.31	92	<20	<4	9
515401	Rock						1.48	6.295	<2	608	6793	549	100.7	2	<2	86	2.26	9398	<20	7	<2
515402	Rock						0.23	0.033	<2	8	61	96	2.7	<2	<2	132	1.61	720	<20	<4	3
515403	Rock						0.58	0.035	<2	11	22	98	<0.5	4	2	609	1.12	98	<20	<4	<2
515404	Rock	1.605	>10	0.97	>300	11.51	0.29	>10	<2	>10000	>10000	>10000	>200	<2	<2	109	13.67	>10000	<20	118	5
515405	Rock						0.32	0.015	2	37	44	93	1.4	2	3	997	2.24	104	<20	<4	21
515406	Rock						0.48	0.176	<2	13	160	22	1.9	<2	<2	62	0.50	302	<20	<4	<2
515407	Rock						0.69	2.739	<2	13	77	56	2.4	<2	<2	309	1.27	1348	<20	<4	<2
515408	Rock						0.57	9.757	20	4	86	18	7.2	<2	<2	95	1.62	1654	<20	10	<2
515409	Rock						0.36	0.096	<2	240	189	902	3.1	4	<2	565	3.79	1335	<20	<4	6
515410	Rock						0.31	0.338	<2	8	61	217	1.9	<2	5	1452	0.88	419	<20	<4	4

AcmeLabs
Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
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CERTIFICATE OF ANALYSIS WHI10000064.2

	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb
	Unit	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm
	MDL	2	0.4	5	5	2	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2
515301	Rock	164	488.9	>4000	<5	32	0.18	0.084	4	19	0.04	254	0.05	2.38	0.01	0.43	<4	5	68	<2	<2
515302	Rock	63	1.6	396	<5	8	0.03	0.007	5	<2	0.06	365	0.04	1.81	0.03	0.89	<4	8	3	2	<2
515303	Rock	35	0.5	42	<5	88	<0.01	0.026	7	50	0.34	1472	0.13	7.46	0.14	3.59	10	23	7	2	5
515304	Rock	23	33.9	651	<5	98	0.08	0.057	15	38	0.21	190	0.25	4.71	0.01	2.11	7	70	<2	8	5
515305	Rock	547	54.8	229	<5	16	0.24	0.010	32	14	0.06	98	0.01	0.72	0.03	0.49	<4	5	<2	9	<2
515306	Rock	47	91.9	>4000	<5	63	0.04	0.154	14	11	0.05	143	0.12	1.40	0.01	0.77	<4	5	53	3	<2
515351	Rock	108	22.7	26	35	154	0.12	0.184	27	34	0.37	317	0.20	6.64	0.08	2.84	<4	55	68	9	4
515352	Rock	45	1.9	90	<5	35	0.09	0.028	27	5	0.18	774	0.08	3.73	0.04	1.72	<4	19	11	6	3
515353	Rock	99	3.3	328	<5	85	0.04	0.107	13	9	0.29	323	0.18	5.81	0.03	2.41	<4	39	22	5	5
515354	Rock	36	1.2	47	<5	39	0.05	0.019	<2	4	0.08	118	0.08	1.91	0.05	0.85	<4	10	37	<2	<2
515355	Rock	98	56.1	9	<5	119	3.00	0.077	22	149	2.74	589	0.34	8.46	0.13	2.37	<4	93	3	14	8
515356	Rock	11	<0.4	28	33	40	0.03	0.010	17	4	0.15	51	0.11	3.83	0.05	3.37	6	10	11	2	3
515357	Rock	9	1.1	9	9	101	0.04	0.024	10	6	0.13	148	0.16	5.49	0.02	0.60	11	12	4	3	4
515358	Rock	17	4.5	84	26	94	0.05	0.048	34	10	0.13	56	0.22	7.24	<0.01	0.77	9	10	7	13	5
515359	Rock	42	<0.4	57	23	107	0.07	0.032	7	8	0.46	228	0.27	8.17	0.13	4.41	8	11	23	5	8
515360	Rock	282	<0.4	<5	50	82	0.71	0.056	17	9	0.89	322	0.23	8.12	2.30	4.32	5	11	3	14	6
515361	Rock	433	2.9	<5	<5	59	0.99	0.083	24	8	0.39	59	0.18	7.98	1.89	3.22	<4	51	4	10	6
515362	Rock	45	<0.4	<5	<5	<2	21.31	0.014	2	<2	13.26	65	<0.01	0.10	<0.01	0.02	<4	<2	<2	<2	<2
515363	Rock	216	26.4	2281	1093	28	0.20	0.073	9	3	0.07	216	0.02	1.29	0.02	0.87	<4	3	29	6	<2
515364	Rock	130	5.0	18	<5	57	1.98	0.093	24	13	0.53	105	0.13	8.54	0.18	3.21	<4	82	4	7	5
515401	Rock	24	9.4	1186	<5	31	0.05	0.014	4	6	0.07	339	0.13	2.16	0.01	0.99	9	5	14	3	2
515402	Rock	53	1.0	198	<5	42	0.04	0.017	9	5	0.10	256	0.15	2.96	0.02	1.28	<4	3	<2	6	3
515403	Rock	41	0.9	45	<5	19	0.10	0.046	2	<2	0.01	803	0.04	1.52	0.04	0.79	<4	<2	<2	4	<2
515404	Rock	40	550.9	>4000	<5	7	0.02	0.014	<2	<2	<0.01	21	<0.01	0.27	<0.01	0.07	<4	<2	185	<2	<2
515405	Rock	72	<0.4	52	<5	40	0.16	0.045	49	3	0.18	170	0.14	6.63	0.17	2.88	<4	65	<2	12	5
515406	Rock	4	0.4	38	<5	4	0.02	0.005	<2	<2	0.01	40	<0.01	0.34	<0.01	0.16	<4	<2	<2	<2	<2
515407	Rock	26	1.1	113	<5	89	0.10	0.026	6	13	0.14	443	0.16	3.14	0.01	1.56	<4	10	3	4	5
515408	Rock	85	<0.4	248	<5	82	0.07	0.026	13	9	0.13	649	0.27	4.01	0.02	1.90	<4	10	<2	4	5
515409	Rock	36	19.8	286	<5	10	0.05	0.031	12	<2	0.19	841	0.08	4.05	0.05	2.38	<4	18	<2	9	3
515410	Rock	59	2.7	116	<5	7	0.03	0.010	7	<2	0.10	1256	0.05	2.84	0.02	1.10	<4	10	<2	3	2

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
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Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: August 27, 2010

CERTIFICATE OF ANALYSIS WHI10000064.2

Method		1E	1E	1E	G6Gr	G6Gr
Analyte		Be	Sc	S	Ag	Au
Unit		ppm	ppm	%	gm/mt	gm/mt
MDL		1	1	0.1	5	0.17
515301	Rock	<1	21	1.0	2407	71.70
515302	Rock	<1	1	0.5		
515303	Rock	1	9	<0.1		
515304	Rock	<1	10	<0.1		
515305	Rock	<1	<1	<0.1		
515306	Rock	<1	10	2.0	2506	46.16
515351	Rock	2	13	0.9		
515352	Rock	1	4	<0.1		
515353	Rock	2	6	0.4		
515354	Rock	<1	3	1.8		
515355	Rock	1	15	1.8		
515356	Rock	<1	4	3.0		
515357	Rock	<1	6	0.1		
515358	Rock	<1	8	<0.1		
515359	Rock	<1	11	1.1		
515360	Rock	1	10	1.8		
515361	Rock	2	6	2.4		
515362	Rock	<1	<1	<0.1		
515363	Rock	<1	5	1.2		
515364	Rock	2	6	1.8		
515401	Rock	<1	9	0.9		
515402	Rock	<1	7	<0.1		
515403	Rock	<1	5	<0.1		
515404	Rock	<1	2	9.1	1889	112.66
515405	Rock	2	5	0.9		
515406	Rock	<1	<1	<0.1		
515407	Rock	<1	8	0.1		
515408	Rock	<1	8	0.2		
515409	Rock	<1	2	<0.1		
515410	Rock	<1	1	<0.1		

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620 - 650 W. Georgia St.
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Project: Mt Nansen
Report Date: August 27, 2010

CERTIFICATE OF ANALYSIS WHI10000064.2

		Method	7TD	7TD	7TD	7TD	7TD.1	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
		Analyte	Cu	Pb	Zn	Ag	Pb	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th
		Unit	%	%	%	gm/mt	%	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		MDL	0.001	0.02	0.01	2	0.02	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2
515411	Rock							0.59	1.744	<2	96	2024	1110	56.4	9	3	340	5.11	2256	<20	<4	5
515412	Rock		0.047	2.58	0.07	>300		0.56	>10	<2	481	>10000	754	>200	3	<2	320	3.95	>10000	<20	20	5
515413	Rock							1.08	0.552	<2	48	2468	117	38.5	<2	<2	198	0.91	1090	<20	<4	2
515414	Rock							0.19	2.187	<2	54	584	110	16.4	<2	<2	138	1.09	2324	<20	<4	2
515415	Rock							0.24	2.137	<2	7	604	20	31.4	3	<2	93	0.46	559	<20	<4	<2
515416	Rock		0.046	2.62	0.07	>300		0.39	>10	<2	482	>10000	849	>200	7	<2	75	1.55	6406	<20	27	<2
515417	Rock							0.54	>10	<2	619	317	71	34.7	<2	<2	191	6.16	>10000	<20	54	3
515418	Rock							0.82	0.391	<2	59	4967	641	25.3	3	<2	176	3.21	386	<20	<4	<2
515419	Rock		0.171	6.61	0.05	>300		0.55	>10	<2	1805	>10000	596	>200	3	<2	862	4.44	>10000	<20	12	<2
515420	Rock							0.42	0.055	<2	61	139	248	2.8	4	5	374	8.06	107	<20	<4	3
515421	Rock							0.93	0.454	9	81	4042	74	65.7	3	<2	84	1.02	3305	<20	<4	<2
515422	Rock							0.30	0.169	<2	16	275	7	6.3	2	<2	44	1.06	818	<20	<4	2
REP 515409	Rock							0.35	0.059	<2	298	193	779	4.0	5	3	966	4.12	1656	<20	<4	7

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: August 27, 2010

CERTIFICATE OF ANALYSIS WHI10000064.2

	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb
	Unit	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm
	MDL	2	0.4	5	5	2	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2
515411	Rock	124	22.3	656	<5	88	0.25	0.052	12	26	0.33	787	0.25	7.17	0.05	2.91	<4	8	<2	6	7
515412	Rock	395	180.0	>4000	<5	33	0.36	0.058	5	12	0.16	716	0.08	3.28	0.23	1.18	<4	6	22	7	2
515413	Rock	55	4.9	215	<5	57	0.03	0.013	2	11	0.16	838	0.14	3.82	0.02	2.16	4	4	4	<2	3
515414	Rock	35	7.2	1037	<5	5	0.04	0.004	4	<2	0.07	1253	0.03	1.61	0.02	0.72	<4	6	4	<2	<2
515415	Rock	19	0.9	153	<5	3	0.02	<0.002	<2	3	0.03	288	0.01	1.00	0.01	0.38	<4	<2	<2	<2	<2
515416	Rock	20	149.8	>4000	<5	<2	0.05	0.026	<2	5	<0.01	279	<0.01	0.23	<0.01	0.04	<4	<2	64	4	<2
515417	Rock	14	4.2	646	<5	89	0.03	0.030	3	10	0.10	367	0.16	3.06	0.02	1.37	5	<2	22	3	<2
515418	Rock	22	3.6	204	<5	136	0.05	0.023	6	130	0.24	2651	0.30	5.71	0.01	2.82	4	16	4	<2	4
515419	Rock	26	34.1	>4000	<5	8	0.08	0.030	5	5	0.02	163	<0.01	0.33	<0.01	0.11	<4	<2	64	7	<2
515420	Rock	289	1.8	15	7	170	1.35	0.056	11	37	0.89	911	0.29	7.49	2.64	2.15	<4	10	4	10	4
515421	Rock	22	1.2	231	11	36	0.04	0.039	11	4	0.15	1510	0.14	4.73	0.02	2.38	<4	7	3	6	3
515422	Rock	49	<0.4	81	<5	34	0.03	0.019	8	27	0.07	1562	0.13	2.97	0.09	1.37	<4	5	<2	4	3
REP 515409	Rock	49	25.4	178	<5	9	0.12	0.032	10	3	0.20	726	0.06	3.71	0.11	2.06	<4	15	<2	9	3

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Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

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CERTIFICATE OF ANALYSIS WHI10000064.2

		Method	1E	1E	1E	G6Gr	G6Gr
		Analyte	Be	Sc	S	Ag	Au
		Unit	ppm	ppm	%	gm/mt	gm/mt
		MDL	1	1	0.1	5	0.17
515411	Rock		2	10	0.4		
515412	Rock		1	5	0.4	807	20.27
515413	Rock		1	5	<0.1		
515414	Rock		<1	1	0.1		
515415	Rock		<1	<1	<0.1		
515416	Rock		<1	4	0.6	991	26.02
515417	Rock		<1	34	0.2	42	47.26
515418	Rock		<1	10	0.3		
515419	Rock		<1	5	1.5	1813	12.89
515420	Rock		1	17	0.4		
515421	Rock		<1	7	0.1		
515422	Rock		<1	8	0.3		
REP 515409	Rock		<1	2	<0.1		

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Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

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Report Date: August 13, 2010

CERTIFICATE OF ANALYSIS WHI10000160.1

	Method	G6Gr	G6Gr	7TD	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Ag	Au	Pb	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd
	Unit	gm/mt	gm/mt	%	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	50	0.9	0.02	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4
515307	Rock			1.07	0.80	4.644	<2	294	>10000	5103	32.9	<2	<2	125	4.63	>10000	<20	<4	<2	41	66.5
515308	Rock				1.25	0.008	<2	10	14	14	<0.5	<2	<2	56	1.15	371	<20	<4	2	71	<0.4
515309	Rock				1.28	0.011	<2	5	22	20	<0.5	<2	<2	241	0.53	23	<20	<4	<2	39	<0.4
515310	Rock	4932	11.9	3.75	1.37	>10	<2	1397	>10000	6458	>200	3	<2	573	4.53	6222	<20	21	<2	38	139.9
515311	Rock				5.05	0.054	<2	255	366	259	25.4	5	13	706	7.20	345	<20	<4	5	227	1.8
515312	Rock				5.55	0.027	<2	177	66	242	5.0	5	23	1636	6.66	215	<20	<4	6	254	1.8
515313	Rock				3.35	0.024	<2	96	82	191	3.0	4	12	632	5.31	164	<20	<4	6	238	0.7
RRE 515313	Rock					0.022	<2	96	69	191	1.9	4	12	631	5.33	164	<20	<4	7	233	0.7
515314	Rock				1.31	0.053	<2	126	530	216	12.1	<2	<2	117	7.97	1256	<20	<4	3	43	0.9
515315	Rock				2.18	0.062	3	97	439	308	13.5	3	7	176	9.17	1281	<20	<4	3	54	1.4
515316	Rock				0.15	0.913	566	5506	35	30	4.9	9	6	353	2.28	31	<20	<4	<2	713	<0.4
515317	Rock				6.72	0.027	<2	78	144	198	5.1	4	9	664	5.50	86	<20	<4	5	139	1.0
515318	Rock				1.37	0.009	<2	14	33	129	0.8	4	11	1432	5.34	24	<20	<4	5	432	<0.4
515319	Rock				5.18	0.050	2	16	109	232	0.9	8	15	1956	5.54	83	<20	<4	6	265	1.6
515320	Rock				6.50	0.026	<2	9	61	181	0.8	7	14	1313	5.51	36	<20	<4	6	339	1.6
515321	Rock				0.14	0.386	7	46	139	326	0.8	60	15	1087	4.24	914	<20	<4	13	240	2.3
515322	Rock				1.79	0.128	2	6	496	703	1.2	7	10	1722	5.69	93	<20	<4	3	74	7.9
515323	Rock				1.20	<0.005	<2	<2	8	23	<0.5	<2	<2	232	0.46	<5	<20	<4	<2	41	<0.4
515324	Rock				3.58	0.032	<2	19	125	611	1.0	7	16	1536	5.07	58	<20	<4	6	313	11.9
515325	Rock				4.03	1.156	2	103	5969	1239	32.2	4	9	901	7.67	1277	<20	<4	3	100	8.6
515326	Rock				1.78	1.869	2	127	7821	1174	57.2	3	<2	300	7.07	1612	<20	<4	<2	80	2.0
515327	Rock				6.75	0.080	5	112	520	723	4.9	14	14	788	6.02	182	<20	<4	9	401	3.2
515328	Rock				3.36	0.506	<2	33	1071	81	41.6	<2	<2	162	6.18	477	<20	<4	4	64	<0.4
515329	Rock				2.88	0.026	<2	118	27	208	<0.5	11	8	414	6.44	443	<20	<4	14	153	0.7
515330	Rock				6.89	0.034	<2	116	75	265	0.8	20	28	1419	5.05	65	<20	<4	10	404	6.7
515331	Rock				2.66	0.039	<2	76	329	496	1.4	15	22	1042	5.42	92	<20	<4	11	159	9.6
515332	Rock				1.77	0.036	<2	248	203	260	2.2	17	34	1183	6.34	52	<20	<4	6	522	3.6
RE 515332	Rock					0.035	<2	251	207	261	2.2	17	33	1187	6.49	53	<20	<4	7	528	3.9
515333	Rock				2.40	0.080	<2	264	466	881	17.6	14	24	2003	6.07	320	<20	<4	8	183	31.7
515334	Rock				3.47	0.028	<2	42	44	131	<0.5	18	20	1007	5.10	37	<20	<4	8	527	1.9

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

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CERTIFICATE OF ANALYSIS WHI10000160.1

	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc
	Unit	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	5	5	2	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1
515307	Rock	306	<5	9	0.02	0.012	3	18	0.03	118	0.02	0.94	0.04	0.39	<4	3	6	<2	<2	<1	1
515308	Rock	125	6	31	0.03	0.018	10	<2	0.02	617	0.14	4.06	0.02	0.57	<4	6	<2	11	3	<1	4
515309	Rock	<5	<5	<2	23.10	0.015	<2	<2	13.62	21	<0.01	0.05	<0.01	0.02	<4	<2	<2	<2	<2	<1	<1
515310	Rock	>4000	<5	7	0.07	0.013	<2	4	0.03	22	<0.01	0.55	<0.01	0.20	<4	<2	8	<2	<2	<1	1
515311	Rock	37	27	143	0.97	0.085	21	13	0.87	1012	0.41	9.30	1.02	3.16	<4	26	12	17	6	1	15
515312	Rock	21	9	139	1.39	0.052	15	11	1.37	1136	0.45	9.53	1.15	1.94	<4	25	5	16	7	1	17
515313	Rock	30	11	141	0.98	0.071	16	11	1.01	800	0.48	9.54	1.27	2.25	<4	30	3	14	8	1	17
RRE 515313	Rock	16	10	141	0.98	0.071	17	11	1.01	801	0.48	9.63	1.26	2.24	<4	30	4	15	8	1	17
515314	Rock	153	18	115	0.14	0.058	14	10	0.23	340	0.27	6.62	0.03	2.54	<4	20	56	7	4	1	8
515315	Rock	63	21	143	0.23	0.092	16	13	0.30	931	0.37	8.55	0.04	2.57	5	21	40	7	6	1	13
515316	Rock	14	5	38	1.37	0.043	8	12	0.22	93	0.09	6.32	1.93	2.79	5	7	<2	4	2	<1	2
515317	Rock	38	14	151	0.50	0.068	18	16	0.70	1477	0.43	10.04	0.43	2.25	5	24	4	12	7	1	18
515318	Rock	12	12	144	2.64	0.081	17	16	2.03	1550	0.41	9.36	2.26	2.05	<4	22	<2	17	7	1	16
515319	Rock	12	7	163	1.27	0.088	21	25	1.54	1338	0.43	9.55	1.48	1.89	<4	26	<2	20	6	1	18
515320	Rock	9	6	163	1.70	0.083	17	24	1.16	1292	0.42	9.49	1.67	2.00	<4	26	<2	17	6	1	18
515321	Rock	581	10	166	0.96	0.118	43	73	0.62	970	0.35	7.24	0.16	2.22	6	89	3	24	10	3	13
515322	Rock	18	<5	109	10.94	0.041	19	14	0.70	374	0.21	4.98	0.02	1.65	<4	13	<2	20	3	1	10
515323	Rock	<5	<5	<2	23.19	0.015	<2	<2	13.09	93	<0.01	0.07	<0.01	0.02	<4	<2	<2	<2	<2	<1	<1
515324	Rock	14	13	164	1.81	0.086	19	23	0.93	1350	0.44	9.67	1.49	2.06	<4	28	<2	20	7	1	19
515325	Rock	166	8	166	0.35	0.082	17	26	0.53	1112	0.42	9.74	0.25	3.53	<4	27	57	10	6	2	16
515326	Rock	321	8	180	0.38	0.084	21	27	0.58	678	0.47	10.77	0.16	4.70	11	31	144	7	7	2	15
515327	Rock	24	11	153	2.15	0.103	22	30	1.30	1177	0.49	9.56	1.49	2.61	<4	24	7	16	8	2	17
515328	Rock	121	63	197	0.17	0.043	25	55	0.61	561	0.66	11.61	0.11	5.63	17	41	276	5	11	3	19
515329	Rock	12	11	161	0.34	0.108	27	26	0.45	819	0.52	10.36	0.16	1.91	<4	32	3	9	9	1	15
515330	Rock	11	13	151	2.59	0.102	26	30	1.29	986	0.52	9.97	1.61	2.34	<4	33	5	24	9	2	18
515331	Rock	15	13	135	0.72	0.102	27	17	0.55	1079	0.47	10.83	0.40	2.83	6	35	5	23	9	2	15
515332	Rock	<5	14	165	3.21	0.103	19	18	1.27	1361	0.52	9.78	2.46	2.33	<4	25	3	20	7	2	17
RE 515332	Rock	<5	12	167	3.24	0.103	20	18	1.29	1358	0.52	9.80	2.50	2.33	<4	26	6	21	7	2	17
515333	Rock	58	23	142	0.94	0.116	26	15	0.66	998	0.53	11.14	0.64	3.98	6	36	23	22	9	3	15
515334	Rock	<5	15	148	3.53	0.105	21	28	1.86	1146	0.52	9.92	2.28	2.05	<4	39	<2	21	9	2	16

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620 - 650 W. Georgia St.
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Report Date: August 13, 2010

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CERTIFICATE OF ANALYSIS WHI10000160.1

		Method	1E
		Analyte	S
		Unit	%
		MDL	0.1
515307	Rock		3.5
515308	Rock		0.2
515309	Rock		<0.1
515310	Rock		2.9
515311	Rock		<0.1
515312	Rock		<0.1
515313	Rock		<0.1
RRE 515313	Rock		<0.1
515314	Rock		0.1
515315	Rock		<0.1
515316	Rock		1.1
515317	Rock		<0.1
515318	Rock		<0.1
515319	Rock		<0.1
515320	Rock		<0.1
515321	Rock		0.2
515322	Rock		0.5
515323	Rock		<0.1
515324	Rock		<0.1
515325	Rock		0.4
515326	Rock		0.8
515327	Rock		<0.1
515328	Rock		1.5
515329	Rock		0.7
515330	Rock		<0.1
515331	Rock		<0.1
515332	Rock		0.1
RE 515332	Rock		0.1
515333	Rock		0.1
515334	Rock		<0.1

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CERTIFICATE OF ANALYSIS WHI10000160.1

	Method	G6Gr	G6Gr	7TD	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Ag	Au	Pb	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd
	Unit	gm/mt	gm/mt	%	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	50	0.9	0.02	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4
515335	Rock				6.09	0.151	<2	181	278	291	15.5	12	8	365	9.10	757	<20	<4	11	149	0.5
515336	Rock				2.75	0.086	<2	132	96	386	2.3	12	10	229	7.70	348	<20	<4	12	98	0.5
515337	Rock				4.13	0.119	<2	133	196	387	4.8	10	9	226	7.79	638	<20	<4	9	72	0.8
515338	Rock				6.65	0.098	<2	94	179	350	2.5	8	7	194	5.94	551	<20	<4	11	95	1.1
515339	Rock				2.27	0.172	2	20	691	51	11.9	<2	<2	129	3.43	587	<20	<4	8	68	<0.4
515340	Rock				2.27	0.067	<2	122	178	122	1.8	8	13	623	5.87	263	<20	<4	8	530	1.0
515341	Rock				4.76	0.108	<2	65	454	122	6.1	3	<2	128	5.73	616	<20	<4	10	107	<0.4
515342	Rock				2.75	0.152	<2	29	837	63	5.6	2	<2	143	3.36	481	<20	<4	9	166	<0.4
515343	Rock				5.16	0.854	<2	4	1494	17	10.2	<2	<2	147	5.09	928	<20	<4	5	61	<0.4
515344	Rock				1.13	0.008	<2	<2	<5	8	<0.5	<2	<2	248	0.53	<5	<20	<4	<2	47	<0.4
515345	Rock				3.35	0.174	<2	108	45	226	7.9	25	20	375	7.52	812	<20	<4	9	188	0.5
515346	Rock				4.25	0.148	<2	47	103	149	1.1	21	13	620	6.58	897	<20	<4	11	420	1.1
RRE 515346	Rock					0.152	<2	45	100	143	1.1	20	12	601	6.35	855	<20	<4	10	405	1.3
515347	Rock				8.70	0.100	<2	61	358	389	6.8	15	11	473	6.08	682	<20	<4	10	253	2.7
515348	Rock				5.36	0.070	<2	67	501	526	2.1	18	15	717	5.43	623	<20	<4	10	350	4.2
515349	Rock				3.39	0.012	2	31	19	230	<0.5	16	21	1765	4.57	160	<20	<4	9	146	3.3
515423	Rock				3.21	0.030	<2	41	239	334	1.0	15	17	1090	4.95	56	<20	<4	9	460	7.5
515424	Rock				5.24	0.038	<2	41	197	298	0.8	15	19	1185	5.40	58	<20	<4	8	539	5.6
515425	Rock				2.90	0.024	<2	37	220	324	0.7	18	21	1149	5.03	40	<20	<4	8	539	5.0
515426	Rock				2.16	0.033	<2	39	190	347	0.7	15	23	1344	5.34	62	<20	<4	10	593	8.9
515427	Rock				4.27	0.272	<2	54	508	419	1.6	12	17	1115	5.27	80	<20	<4	8	424	6.2
515428	Rock				3.80	0.013	<2	13	41	281	<0.5	12	16	1012	4.81	16	<20	<4	10	530	5.8
515429	Rock				3.68	0.020	<2	12	79	391	<0.5	10	19	1187	4.62	20	<20	<4	10	536	10.7
515430	Rock				0.15	0.201	314	1889	34	137	14.8	4	6	453	1.96	9	<20	<4	<2	667	0.6
515431	Rock				6.39	0.025	<2	22	442	815	0.8	14	27	1330	5.67	32	<20	<4	8	409	10.0
515432	Rock			0.96	3.68	1.091	7	236	>10000	2153	35.4	3	<2	238	10.59	1341	<20	<4	5	21	18.7
515433	Rock				1.18	<0.005	<2	<2	<5	9	<0.5	2	<2	279	0.58	<5	<20	<4	<2	41	<0.4
515434	Rock				3.27	0.063	<2	91	504	1049	1.3	9	8	514	5.43	176	<20	<4	10	171	14.3
515435	Rock				3.96	0.035	<2	44	251	640	1.0	12	21	1051	4.98	124	<20	<4	9	413	14.5
515436	Rock				3.77	0.011	<2	14	103	349	<0.5	7	14	1238	4.98	74	<20	<4	8	514	5.6

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Report Date: August 13, 2010

CERTIFICATE OF ANALYSIS WHI10000160.1

	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc
	Unit	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	5	5	2	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1
515335	Rock	65	15	169	0.60	0.114	27	36	0.72	785	0.50	10.62	0.37	3.65	5	48	32	10	8	2	16
515336	Rock	26	12	167	0.11	0.107	26	32	0.22	622	0.53	10.92	0.03	2.42	6	41	13	12	8	2	14
515337	Rock	40	19	169	0.14	0.114	27	31	0.43	773	0.47	10.55	0.04	4.12	14	48	53	12	7	2	16
515338	Rock	32	15	145	0.12	0.110	28	20	0.26	888	0.50	10.91	0.03	3.18	14	52	28	11	10	2	15
515339	Rock	86	17	128	0.11	0.069	28	10	0.41	741	0.53	10.07	0.03	4.17	9	55	17	7	9	2	14
515340	Rock	11	13	143	2.54	0.147	22	8	1.40	1335	0.51	9.94	2.11	2.32	<4	48	5	15	9	2	15
515341	Rock	51	23	147	0.17	0.095	27	10	0.53	906	0.51	10.25	0.09	4.60	<4	45	29	8	9	2	14
515342	Rock	32	<5	126	0.29	0.124	24	14	0.45	817	0.52	10.20	0.30	4.41	6	57	16	9	9	2	14
515343	Rock	55	16	166	0.18	0.055	31	49	0.75	218	0.62	11.89	0.09	6.57	24	64	200	7	11	2	21
515344	Rock	<5	<5	<2	21.82	0.015	<2	7	12.17	20	<0.01	0.25	<0.01	0.02	<4	<2	<2	<2	<2	<1	<1
515345	Rock	85	<5	194	0.75	0.141	30	81	0.39	759	0.60	10.23	0.48	3.07	7	31	9	20	8	2	22
515346	Rock	8	<5	165	2.19	0.120	27	55	1.41	1095	0.54	9.72	1.39	3.74	9	37	9	18	8	2	20
RRE 515346	Rock	8	9	160	2.14	0.115	27	50	1.38	1065	0.52	9.45	1.36	3.67	6	36	10	17	8	2	19
515347	Rock	67	<5	165	0.86	0.116	31	49	0.87	1411	0.51	9.95	0.59	4.13	6	40	8	17	8	2	20
515348	Rock	32	6	158	1.60	0.119	33	32	0.83	984	0.53	10.51	1.01	3.30	<4	49	3	19	9	2	20
515349	Rock	25	8	140	1.15	0.101	27	34	0.48	974	0.53	9.97	0.48	2.37	11	49	<2	19	9	2	17
515423	Rock	21	<5	142	2.95	0.101	28	30	1.33	1044	0.51	9.71	2.00	1.45	<4	38	<2	22	9	2	17
515424	Rock	7	<5	141	3.27	0.099	32	32	1.74	1018	0.52	9.40	2.39	1.69	<4	39	<2	24	10	1	17
515425	Rock	6	<5	136	3.41	0.098	30	36	1.75	1092	0.50	9.37	2.51	1.73	<4	55	<2	23	9	1	16
515426	Rock	6	<5	132	3.20	0.097	33	33	1.74	1092	0.47	9.69	2.71	1.62	<4	49	<2	25	9	1	16
515427	Rock	9	<5	137	2.37	0.098	28	25	1.76	1041	0.50	9.74	1.82	1.56	6	39	<2	21	8	1	16
515428	Rock	5	<5	122	2.88	0.097	35	24	2.01	1323	0.45	9.94	2.17	1.60	<4	50	<2	22	10	2	15
515429	Rock	<5	<5	106	3.06	0.095	33	15	1.40	976	0.42	9.68	2.49	1.53	<4	50	<2	21	10	2	13
515430	Rock	35	<5	34	2.06	0.043	7	12	0.25	963	0.13	8.11	3.31	2.16	<4	9	<2	5	<2	1	2
515431	Rock	7	<5	127	2.72	0.091	29	17	1.97	867	0.49	10.30	1.66	1.80	<4	46	<2	19	9	2	15
515432	Rock	145	18	93	0.09	0.084	20	12	0.31	240	0.32	7.39	0.02	2.52	7	51	9	12	7	1	7
515433	Rock	<5	<5	3	22.27	0.019	<2	4	12.50	29	<0.01	0.26	0.02	0.08	<4	<2	<2	<2	<2	<1	<1
515434	Rock	15	<5	115	0.73	0.087	37	15	0.75	800	0.44	10.24	0.53	2.23	7	73	<2	22	10	2	13
515435	Rock	<5	10	139	2.84	0.099	29	16	1.95	805	0.53	10.97	1.86	2.50	4	62	<2	22	10	2	17
515436	Rock	<5	<5	101	3.71	0.090	30	13	1.61	1193	0.43	10.08	2.40	2.45	<4	75	<2	23	9	1	13

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CERTIFICATE OF ANALYSIS WHI10000160.1

		Method	1E
		Analyte	S
		Unit	%
		MDL	0.1
515335	Rock		0.5
515336	Rock		0.2
515337	Rock		0.3
515338	Rock		0.2
515339	Rock		0.7
515340	Rock		0.2
515341	Rock		0.9
515342	Rock		0.6
515343	Rock		1.5
515344	Rock		<0.1
515345	Rock		0.3
515346	Rock		0.4
RRE 515346	Rock		0.4
515347	Rock		0.3
515348	Rock		0.2
515349	Rock		<0.1
515423	Rock		<0.1
515424	Rock		<0.1
515425	Rock		<0.1
515426	Rock		<0.1
515427	Rock		<0.1
515428	Rock		<0.1
515429	Rock		<0.1
515430	Rock		0.4
515431	Rock		<0.1
515432	Rock		0.2
515433	Rock		<0.1
515434	Rock		<0.1
515435	Rock		0.1
515436	Rock		<0.1

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	Method	G6Gr	G6Gr	7TD	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Ag	Au	Pb	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd
	Unit	gm/mt	gm/mt	%	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	50	0.9	0.02	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4
515437	Rock				0.14	1.981	10	145	25	164	0.7	40	143	3793	8.79	4661	<20	<4	<2	369	1.3
515438	Rock				3.16	0.278	<2	42	405	1027	9.7	6	24	2507	4.74	2415	<20	<4	10	189	75.6
515439	Rock				3.92	0.196	<2	35	338	854	3.3	6	20	1694	5.12	158	<20	<4	9	354	13.2
515440	Rock				3.22	0.053	<2	33	49	478	<0.5	9	19	1369	4.30	31	<20	<4	8	510	8.8
515441	Rock				2.59	0.327	<2	16	246	349	0.8	10	34	1171	5.81	38	<20	<4	8	535	6.4
515442	Rock				3.29	0.101	<2	32	224	887	1.1	10	42	1573	5.40	210	<20	<4	8	135	18.9
515443	Rock				3.15	0.394	<2	68	4235	1258	28.6	5	14	1307	5.37	773	<20	<4	7	137	24.0
515444	Rock				1.67	0.015	<2	13	19	513	<0.5	11	20	1820	4.92	65	<20	<4	9	342	12.9
515445	Rock				3.52	0.041	<2	55	132	314	1.3	16	22	1010	5.44	79	<20	<4	8	515	6.9
515446	Rock				1.88	2.123	<2	20	37	252	<0.5	19	36	1262	6.44	23	<20	<4	7	667	5.4
515447	Rock				3.30	0.084	<2	69	1090	678	5.0	15	21	1189	5.87	139	<20	<4	8	426	7.5
515448	Rock				3.61	0.061	<2	76	323	894	1.3	14	18	551	6.32	153	<20	<4	8	183	8.0
515449	Rock				0.91	<0.005	<2	<2	<5	10	<0.5	<2	<2	247	0.52	<5	<20	<4	<2	47	<0.4
515450	Rock				3.28	0.035	4	35	84	498	0.9	13	17	699	4.82	74	<20	<4	8	323	2.5
515451	Rock				4.12	0.793	<2	58	951	1217	7.0	10	13	241	6.05	879	<20	<4	9	48	10.0
515452	Rock				0.15	5.720	3	117	11	81	85.8	8	14	1074	4.27	104	<20	7	4	415	0.7
515453	Rock				2.74	0.099	<2	57	393	847	3.0	10	12	380	6.10	345	<20	<4	7	67	7.6
515454	Rock				3.75	0.051	<2	25	169	517	1.0	9	21	1811	5.49	187	<20	<4	6	355	8.5
515455	Rock				3.95	0.179	<2	79	1295	1025	3.8	8	11	470	6.12	793	<20	<4	6	193	7.3
515456	Rock				4.08	0.044	<2	40	256	512	1.2	12	21	1083	4.80	325	<20	<4	7	260	6.9
515457	Rock				3.43	0.037	<2	22	81	201	0.9	15	23	1134	5.03	151	<20	<4	6	446	4.1
515458	Rock				4.02	0.063	<2	19	24	97	0.6	14	15	950	4.79	273	<20	<4	6	475	1.7
515459	Rock				2.18	0.457	<2	15	158	93	2.8	4	4	500	4.69	1631	<20	<4	6	129	2.7
515460	Rock				0.79	<0.005	<2	<2	<5	8	<0.5	<2	<2	247	0.47	<5	<20	<4	3	44	<0.4
515461	Rock				4.22	0.431	<2	42	50	222	2.1	13	20	1995	4.87	2901	<20	<4	7	169	9.8

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Method		1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
Analyte		Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc
Unit		ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		5	5	2	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1
515437	Rock	17	53	100	14.46	0.111	33	61	1.82	290	0.25	5.26	0.89	1.00	24	49	3	19	3	<1	11
515438	Rock	21	<5	98	0.95	0.094	36	10	0.49	1536	0.43	9.98	0.72	3.47	<4	83	<2	30	9	2	12
515439	Rock	9	<5	98	1.65	0.089	30	10	1.29	1099	0.38	9.91	1.59	3.17	<4	71	5	23	8	2	12
515440	Rock	6	<5	117	2.37	0.095	22	13	1.54	1015	0.41	10.08	2.04	2.52	11	70	<2	18	7	2	14
515441	Rock	<5	<5	120	2.57	0.094	43	11	1.66	918	0.42	9.99	2.42	1.99	<4	70	<2	20	8	1	13
515442	Rock	14	<5	127	0.62	0.099	42	14	0.63	831	0.41	10.68	0.62	2.86	7	70	<2	20	8	2	15
515443	Rock	50	<5	126	0.46	0.087	32	15	0.58	893	0.46	10.07	0.31	4.45	7	69	15	19	8	2	14
515444	Rock	12	<5	122	1.84	0.100	26	16	1.07	776	0.48	10.71	1.47	2.14	<4	77	<2	21	9	2	15
515445	Rock	11	7	150	2.61	0.089	32	26	1.25	916	0.57	10.16	2.23	2.14	5	54	<2	22	9	2	20
515446	Rock	6	26	155	3.49	0.100	34	25	1.60	1035	0.59	10.43	2.77	1.87	<4	47	<2	25	9	1	20
515447	Rock	12	<5	154	2.08	0.108	32	27	1.13	928	0.60	10.51	1.65	2.67	5	52	10	22	9	2	20
515448	Rock	18	<5	167	0.75	0.106	39	26	0.86	1030	0.53	11.10	0.49	2.76	<4	57	<2	24	7	2	22
515449	Rock	<5	<5	2	21.81	0.017	<2	<2	12.18	13	<0.01	0.05	0.01	0.02	<4	<2	<2	<2	<2	<1	<1
515450	Rock	9	<5	132	1.66	0.095	17	21	1.19	629	0.47	9.05	1.24	1.27	13	62	<2	13	9	2	14
515451	Rock	67	<5	142	0.16	0.094	23	23	0.26	299	0.47	8.73	0.02	1.99	15	74	5	10	9	2	13
515452	Rock	<5	<5	129	4.45	0.058	8	15	1.50	628	0.30	7.77	2.44	1.39	8	16	4	15	4	<1	15
515453	Rock	21	<5	144	0.25	0.096	20	20	0.49	540	0.51	8.75	0.10	2.30	20	57	5	11	9	2	14
515454	Rock	16	<5	120	1.96	0.122	15	10	1.19	823	0.43	8.31	1.43	2.13	7	42	<2	14	7	2	12
515455	Rock	48	<5	135	0.81	0.097	18	17	1.01	647	0.46	8.58	0.60	2.52	<4	56	3	12	8	2	13
515456	Rock	14	<5	131	1.21	0.098	17	22	0.91	753	0.47	9.01	1.14	2.19	4	64	<2	15	8	2	14
515457	Rock	<5	<5	131	2.97	0.101	15	27	1.55	861	0.46	8.00	2.09	1.81	<4	63	<2	13	9	2	13
515458	Rock	<5	<5	132	3.19	0.094	15	26	1.61	756	0.46	7.94	2.08	1.64	<4	61	<2	13	8	2	13
515459	Rock	33	<5	110	0.15	0.068	13	21	0.41	203	0.40	6.37	0.07	3.16	12	58	62	5	8	2	11
515460	Rock	<5	<5	3	20.77	0.012	3	<2	12.76	25	<0.01	0.15	<0.01	0.03	<4	<2	<2	<2	<2	<1	<1
515461	Rock	31	<5	121	0.76	0.105	17	21	0.78	798	0.44	8.05	0.46	3.28	7	55	18	14	8	2	13

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
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Project: Mt Nansen
Report Date: August 13, 2010

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CERTIFICATE OF ANALYSIS WHI10000160.1

		Method	1E
		Analyte	S
		Unit	%
		MDL	0.1
515437	Rock		0.7
515438	Rock		<0.1
515439	Rock		<0.1
515440	Rock		<0.1
515441	Rock		<0.1
515442	Rock		<0.1
515443	Rock		0.3
515444	Rock		<0.1
515445	Rock		<0.1
515446	Rock		<0.1
515447	Rock		<0.1
515448	Rock		<0.1
515449	Rock		<0.1
515450	Rock		<0.1
515451	Rock		0.1
515452	Rock		<0.1
515453	Rock		0.2
515454	Rock		<0.1
515455	Rock		0.3
515456	Rock		<0.1
515457	Rock		<0.1
515458	Rock		0.1
515459	Rock		0.7
515460	Rock		<0.1
515461	Rock		0.2

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Project: Mt Nansen
Report Date: August 17, 2010

CERTIFICATE OF ANALYSIS WHI10000191.1

	Method	G6Gr	G6Gr	7TD.1	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Ag	Au	Pb	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd
	Unit	gm/mt	gm/mt	%	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	50	0.9	0.02	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4
523046	Drill Core				4.20	<0.005	<2	19	23	60	<0.5	<2	<2	237	0.97	28	<20	<4	<2	385	0.5
523047	Drill Core				4.53	<0.005	<2	65	21	47	<0.5	<2	<2	106	0.73	17	<20	<4	<2	288	0.5
523048	Drill Core				2.04	<0.005	<2	87	20	49	<0.5	<2	<2	293	1.14	8	<20	<4	2	261	0.5
523049	Drill Core				1.75	<0.005	<2	270	23	68	0.6	<2	<2	334	1.11	28	<20	<4	2	271	0.7
523050	Drill Core				1.95	0.058	<2	336	19	59	0.7	<2	2	299	1.48	25	<20	<4	2	354	0.5
523051	Drill Core				4.33	0.026	<2	77	57	182	<0.5	<2	<2	492	0.64	33	<20	<4	3	144	3.9
523052	Drill Core				3.35	0.084	<2	37	584	76	10.9	<2	<2	108	0.97	64	<20	<4	3	30	<0.4
RE 523052	Drill Core					0.087	<2	38	585	77	10.2	<2	<2	109	0.99	59	<20	<4	3	31	<0.4
523053	Drill Core				2.64	0.072	<2	16	435	73	2.5	<2	<2	77	1.06	53	<20	<4	<2	47	0.4
523054	Drill Core				3.58	0.012	<2	28	23	238	<0.5	<2	<2	181	1.26	16	<20	<4	3	76	3.6
523055	Drill Core				4.89	0.007	<2	8	14	161	<0.5	<2	3	660	1.52	26	<20	<4	2	251	0.5
523056	Drill Core				4.60	0.011	2	10	7	374	<0.5	<2	4	1110	1.77	44	<20	<4	3	171	0.6
523057	Drill Core				2.60	<0.005	<2	9	8	484	<0.5	<2	4	737	2.27	35	<20	<4	4	231	1.0
523058	Drill Core				3.26	0.052	<2	26	73	579	0.6	5	5	1375	2.48	308	<20	<4	3	51	2.5
523059	Drill Core				1.87	2.440	<2	60	499	3453	10.3	3	5	1133	2.99	4775	<20	<4	3	55	30.8
523060	Drill Core				0.39	<0.005	<2	<2	<5	12	<0.5	3	<2	236	0.53	<5	<20	<4	<2	50	<0.4
523061	Drill Core				2.58	0.009	<2	19	13	1908	<0.5	<2	3	1503	0.91	78	<20	<4	2	85	10.3
523062	Core Pulp				0.15	0.218	311	1902	25	128	14.1	5	6	436	1.93	15	<20	<4	<2	646	<0.4
523063	Drill Core				2.10	0.044	<2	51	52	252	<0.5	<2	<2	135	1.92	563	<20	<4	3	63	1.4
523064	Drill Core				2.74	0.022	<2	19	<5	2447	<0.5	4	7	3073	2.35	394	<20	<4	3	51	5.9
523065	Drill Core				1.05	0.505	<2	61	448	1056	22.6	5	8	127	3.12	871	<20	<4	2	13	15.7
523066	Drill Core	2946	22.8	12.08	0.90	>10	<2	4779	>10000	>10000	>200	8	2	3052	14.77	9802	<20	19	<2	9	2714
523067	Drill Core	363	2.2		1.38	2.172	<2	366	6600	4477	>200	3	4	137	2.33	4127	<20	<4	<2	11	80.7
523068	Drill Core				1.21	0.748	<2	34	1107	1968	22.8	4	5	117	2.91	1360	<20	<4	<2	11	35.1
523069	Drill Core				2.81	2.555	<2	220	5523	>10000	97.4	5	4	239	4.43	4181	<20	<4	<2	8	125.5
523070	Drill Core				1.73	1.083	<2	69	1894	1438	58.1	<2	4	135	2.15	1535	<20	<4	3	8	21.3
523071	Drill Core				4.62	0.116	2	14	182	955	4.0	9	9	2834	3.16	299	<20	<4	4	25	11.6
523072	Drill Core				0.90	<0.005	<2	<2	9	19	<0.5	<2	<2	225	0.45	<5	<20	<4	<2	41	<0.4
523073	Drill Core				2.48	0.061	<2	20	39	902	<0.5	2	7	1904	3.33	258	<20	<4	5	14	9.2
523074	Drill Core				3.24	1.091	<2	52	1031	1155	28.3	2	2	117	2.22	2814	<20	<4	<2	17	99.6

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
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Project: Mt Nansen
Report Date: August 17, 2010

CERTIFICATE OF ANALYSIS WHI10000191.1

		Method	1E	7TD	7TD
		Analyte	S	Pb	Zn
		Unit	%	%	%
		MDL	0.1	0.02	0.01
523046	Drill Core		<0.1		
523047	Drill Core		<0.1		
523048	Drill Core		0.4		
523049	Drill Core		0.5		
523050	Drill Core		0.9		
523051	Drill Core		0.2		
523052	Drill Core		0.1		
RE 523052	Drill Core		0.1		
523053	Drill Core		0.1		
523054	Drill Core		0.6		
523055	Drill Core		0.4		
523056	Drill Core		0.5		
523057	Drill Core		1.0		
523058	Drill Core		1.3		
523059	Drill Core		2.0		
523060	Drill Core		<0.1		
523061	Drill Core		0.3		
523062	Core Pulp		0.4		
523063	Drill Core		0.6		
523064	Drill Core		1.0		
523065	Drill Core		3.0		
523066	Drill Core		23.5	>10	19.98
523067	Drill Core		2.4		
523068	Drill Core		2.8		
523069	Drill Core		4.6	0.53	0.95
523070	Drill Core		1.8		
523071	Drill Core		1.4		
523072	Drill Core		<0.1		
523073	Drill Core		1.3		
523074	Drill Core		1.8		

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CERTIFICATE OF ANALYSIS WHI10000191.1

Method		G6Gr	G6Gr	7TD.1	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
Analyte		Ag	Au	Pb	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd
Unit		gm/mt	gm/mt	%	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
MDL		50	0.9	0.02	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4
523075	Core Pulp				0.15	5.640	3	124	10	77	93.4	10	15	1072	4.38	130	<20	5	3	443	<0.4
523076	Drill Core				3.40	0.339	<2	239	1923	1780	188.4	<2	6	480	3.00	902	<20	<4	3	26	102.8
523077	Drill Core				1.86	0.057	<2	22	243	579	1.3	4	3	115	2.13	1222	<20	<4	5	45	16.5
RRE 523077	Drill Core					0.057	<2	21	240	568	1.1	4	3	112	2.15	1290	<20	<4	5	45	16.2
523078	Drill Core				1.91	1.802	<2	439	1871	749	157.3	<2	3	94	3.02	5633	<20	<4	2	48	24.5
523079	Drill Core				1.57	0.556	<2	47	1852	559	22.6	<2	<2	162	2.24	1156	<20	<4	<2	89	7.4
523080	Drill Core	2027	43.0		0.85	>10	3	5865	>10000	>10000	>200	<2	<2	612	18.86	>10000	<20	34	<2	81	>4000
523081	Drill Core	303	11.6		0.96	>10	<2	2210	>10000	>10000	>200	<2	4	199	10.41	>10000	<20	10	<2	30	868.1
523082	Drill Core				1.46	0.360	<2	90	688	1325	22.4	<2	4	239	5.83	617	<20	<4	6	209	45.4
523083	Drill Core				2.01	0.026	<2	81	82	1968	<0.5	<2	9	1070	5.89	115	22	<4	7	324	21.0
523084	Drill Core				3.89	0.015	<2	27	57	1052	0.7	2	13	2414	5.25	105	<20	<4	8	341	25.2
523085	Drill Core				2.59	0.011	<2	64	15	1224	<0.5	3	20	6557	7.63	128	<20	<4	7	355	12.2
523086	Drill Core				5.32	0.009	<2	134	15	334	<0.5	3	30	2493	9.53	30	<20	<4	7	521	1.4
523087	Drill Core				1.19	0.006	<2	389	7	738	<0.5	4	41	4993	10.67	48	<20	<4	8	425	8.3
523088	Drill Core				1.00	0.007	<2	80	22	776	<0.5	4	16	2972	6.70	205	<20	<4	6	306	15.8
523089	Drill Core				5.01	0.250	<2	28	58	181	6.1	<2	<2	154	1.86	193	<20	<4	16	42	1.1
523090	Drill Core				2.99	0.009	<2	56	19	597	1.9	2	11	1206	3.51	42	<20	<4	3	168	2.8
523091	Drill Core				2.33	0.010	<2	145	17	641	<0.5	<2	11	2679	4.77	33	<20	<4	4	76	0.6
RE 523091	Drill Core					0.008	<2	132	26	668	0.7	<2	11	2539	4.56	23	<20	<4	4	67	0.8
523092	Drill Core				2.31	<0.005	<2	81	26	1056	0.5	<2	9	1875	3.47	91	<20	<4	4	37	4.2
523093	Drill Core				3.74	0.035	<2	72	349	790	2.1	<2	6	1405	2.82	183	<20	<4	3	48	5.4
523094	Drill Core				0.41	0.007	<2	<2	6	18	<0.5	3	<2	238	0.49	<5	<20	4	<2	49	<0.4
523095	Drill Core				1.93	0.089	<2	165	2080	1898	7.6	<2	12	3970	3.69	77	<20	5	4	69	14.5
523096	Drill Core				2.51	0.128	<2	19	687	1272	7.1	<2	18	4147	4.39	79	<20	6	2	75	6.2
523097	Drill Core				1.87	0.403	3	75	3293	2918	23.5	5	44	6655	10.53	167	<20	9	5	127	17.4
523098	Drill Core				1.97	0.145	<2	37	1504	1921	10.2	2	16	6605	4.66	50	<20	9	7	107	11.2
523099	Drill Core				1.91	0.725	<2	24	5096	2002	52.6	<2	12	7633	3.60	37	<20	10	4	96	11.5
523100	Core Pulp				0.15	0.215	281	1806	30	118	14.7	4	6	414	1.72	12	<20	<4	<2	599	<0.4
523101	Drill Core				2.96	0.093	<2	17	988	410	6.0	<2	22	5614	4.20	55	<20	8	3	80	2.3
523102	Drill Core				2.08	0.037	<2	52	339	424	1.7	<2	12	5749	2.97	49	<20	6	5	96	2.1

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CERTIFICATE OF ANALYSIS WHI10000191.1

Method		1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
Analyte		Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc
Unit		ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		5	5	2	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1
523075	Core Pulp	<5	8	140	4.60	0.061	12	15	1.62	651	0.32	8.94	2.54	1.44	<4	18	6	20	4	<1	17
523076	Drill Core	776	<5	12	0.10	0.032	17	4	0.16	104	0.18	6.89	0.01	1.71	<4	13	4	20	3	1	10
523077	Drill Core	151	<5	12	0.04	0.044	17	2	0.13	163	0.19	7.74	<0.01	1.58	4	16	3	26	6	2	10
RRE 523077	Drill Core	158	<5	13	0.05	0.045	18	3	0.13	165	0.20	7.81	<0.01	1.59	<4	16	4	28	6	2	11
523078	Drill Core	609	<5	12	0.03	0.024	11	4	0.19	38	0.15	5.78	0.02	2.16	<4	12	9	13	4	<1	8
523079	Drill Core	166	<5	14	0.06	0.048	8	4	0.14	130	0.10	4.29	0.02	1.48	<4	14	5	10	3	1	5
523080	Drill Core	>4000	5	9	0.06	0.320	4	3	0.01	11	<0.01	1.50	<0.01	0.10	<4	<2	98	17	<2	3	3
523081	Drill Core	2259	<5	39	0.05	0.107	6	3	0.09	9	0.10	2.92	0.01	1.15	<4	8	84	13	3	1	6
523082	Drill Core	105	<5	262	0.14	0.186	25	5	0.28	52	0.48	8.68	0.04	4.50	31	21	5	18	8	2	22
523083	Drill Core	73	<5	255	0.48	0.270	30	6	0.14	257	0.57	10.54	0.08	3.95	15	24	<2	20	9	2	23
523084	Drill Core	49	<5	282	0.73	0.310	33	5	0.21	319	0.59	10.95	0.10	3.89	12	25	3	22	9	2	24
523085	Drill Core	63	<5	310	1.10	0.322	35	6	0.42	188	0.61	10.53	0.09	3.84	15	25	<2	29	8	2	28
523086	Drill Core	6	<5	365	3.28	0.343	31	7	2.08	67	0.63	9.28	1.13	3.41	<4	25	4	33	7	2	32
523087	Drill Core	23	<5	368	1.95	0.333	35	6	1.25	26	0.61	8.87	1.34	2.32	<4	26	<2	38	7	2	32
523088	Drill Core	83	<5	338	0.93	0.361	35	5	0.31	91	0.67	10.93	0.07	3.28	16	30	7	45	9	2	31
523089	Drill Core	29	7	32	0.05	0.035	20	3	0.21	1142	0.09	6.94	0.03	3.24	<4	51	4	14	12	2	5
523090	Drill Core	22	7	25	0.51	0.043	9	3	0.31	58	0.18	8.13	0.89	2.11	4	19	3	22	6	1	7
523091	Drill Core	44	<5	10	0.80	0.072	15	3	0.46	139	0.34	8.76	0.97	1.02	8	19	5	38	6	1	17
RE 523091	Drill Core	53	<5	10	0.66	0.074	14	2	0.45	233	0.33	7.17	1.01	1.05	11	20	5	31	7	1	15
523092	Drill Core	70	<5	14	0.19	0.065	11	3	0.14	607	0.28	7.74	0.03	1.22	9	21	4	25	7	1	12
523093	Drill Core	56	<5	13	0.27	0.035	9	4	0.25	296	0.15	6.67	0.03	2.70	5	19	4	14	7	1	7
523094	Drill Core	<5	<5	5	20.62	0.021	3	3	12.78	45	0.02	0.35	0.04	0.12	<4	<2	2	<2	<2	<1	<1
523095	Drill Core	80	<5	16	2.13	0.055	15	3	0.90	421	0.23	7.46	0.03	3.40	<4	19	6	20	5	1	15
523096	Drill Core	66	<5	16	2.23	0.068	13	<2	0.95	462	0.21	8.25	0.04	3.69	5	15	6	17	5	2	16
523097	Drill Core	36	25	18	3.60	0.041	12	5	1.12	42	0.14	6.79	0.03	3.61	<4	22	8	13	5	1	10
523098	Drill Core	21	<5	15	3.54	0.050	17	4	1.22	142	0.14	7.84	0.03	3.63	<4	18	5	16	4	1	11
523099	Drill Core	28	69	12	3.46	0.048	13	<2	1.19	128	0.19	8.68	0.03	4.25	<4	28	5	17	5	2	12
523100	Core Pulp	33	<5	30	1.80	0.041	6	8	0.22	912	0.13	6.77	3.14	2.04	<4	7	<2	4	2	1	2
523101	Drill Core	16	<5	14	2.70	0.055	14	<2	1.04	89	0.21	8.39	0.04	4.18	<4	21	5	17	5	2	15
523102	Drill Core	24	<5	19	3.09	0.057	17	2	1.05	531	0.22	7.59	0.03	3.73	8	23	3	23	5	2	16

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

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CERTIFICATE OF ANALYSIS WHI10000191.1

Method		1E	7TD	7TD
Analyte		S	Pb	Zn
Unit		%	%	%
MDL		0.1	0.02	0.01
523075	Core Pulp	<0.1		
523076	Drill Core	1.6		
523077	Drill Core	0.6		
RRE 523077	Drill Core	0.6		
523078	Drill Core	2.4		
523079	Drill Core	0.5		
523080	Drill Core	20.1	8.08	5.18
523081	Drill Core	11.3	3.99	1.47
523082	Drill Core	2.6		
523083	Drill Core	1.0		
523084	Drill Core	0.8		
523085	Drill Core	0.8		
523086	Drill Core	1.8		
523087	Drill Core	3.7		
523088	Drill Core	1.3		
523089	Drill Core	0.2		
523090	Drill Core	1.6		
523091	Drill Core	1.8		
RE 523091	Drill Core	1.8		
523092	Drill Core	0.7		
523093	Drill Core	1.0		
523094	Drill Core	<0.1		
523095	Drill Core	2.6		
523096	Drill Core	3.7		
523097	Drill Core	11.1		
523098	Drill Core	4.2		
523099	Drill Core	3.1		
523100	Core Pulp	0.4		
523101	Drill Core	3.7		
523102	Drill Core	2.2		

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CERTIFICATE OF ANALYSIS WHI10000191.1

	Method	G6Gr	G6Gr	7TD.1	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Ag	Au	Pb	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd
	Unit	gm/mt	gm/mt	%	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	50	0.9	0.02	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4
523103	Drill Core				2.16	0.080	<2	192	6447	4266	16.5	2	9	7095	3.50	85	<20	9	7	89	24.2

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620 - 650 W. Georgia St.
PO Box 11604
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CERTIFICATE OF ANALYSIS WHI10000191.1

Method		1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
Analyte		Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc
Unit		ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		5	5	2	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1
523103	Drill Core	63	<5	14	3.97	0.042	24	3	1.19	709	0.17	7.65	0.03	3.63	<4	25	7	21	5	1	11

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
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620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

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CERTIFICATE OF ANALYSIS WHI10000191.1

		Method	1E	7TD	7TD
		Analyte	S	Pb	Zn
		Unit	%	%	%
		MDL	0.1	0.02	0.01
523103	Drill Core		3.1		

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CERTIFICATE OF ANALYSIS WHI10000192.1

Method		G6Gr	G6Gr	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
Analyte		Ag	Au	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb
Unit		gm/mt	gm/mt	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		50	0.9	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5
523001	Drill Core			4.89	0.014	<2	17	106	92	3.5	<2	<2	125	1.40	267	<20	<4	6	38	<0.4	45
523002	Drill Core			4.26	0.009	<2	17	10	163	<0.5	<2	<2	61	0.98	15	<20	<4	7	48	<0.4	8
523003	Drill Core			4.28	<0.005	<2	14	14	228	<0.5	<2	<2	77	1.80	157	<20	<4	3	62	<0.4	20
523004	Drill Core			2.98	<0.005	<2	24	16	240	<0.5	<2	<2	63	2.79	53	<20	<4	4	22	<0.4	29
523005	Core Pulp			0.15	5.862	3	117	16	79	85.1	9	14	1072	4.36	91	<20	6	4	429	<0.4	12
523006	Drill Core			1.91	<0.005	3	14	26	163	<0.5	2	<2	157	1.66	77	<20	<4	4	43	<0.4	37
523007	Drill Core			3.63	<0.005	<2	37	11	418	<0.5	4	7	488	4.12	30	<20	<4	5	179	0.9	9
523008	Drill Core			4.99	<0.005	<2	21	22	541	<0.5	3	4	373	3.98	64	<20	<4	3	214	<0.4	19
523009	Drill Core			1.90	<0.005	<2	75	72	365	<0.5	2	6	508	3.90	154	<20	<4	3	277	13.0	11
523010	Drill Core			0.92	<0.005	<2	17	16	138	<0.5	<2	<2	69	0.74	10	<20	<4	4	330	0.8	7
523011	Drill Core			1.65	<0.005	<2	39	210	569	0.6	3	<2	56	1.51	155	<20	<4	4	105	<0.4	32
523012	Drill Core			1.70	0.029	<2	10	451	85	2.2	<2	<2	138	2.12	796	<20	<4	2	29	<0.4	55
523013	Drill Core			1.60	0.341	3	110	1803	310	16.6	<2	<2	183	5.34	2391	<20	<4	3	37	2.2	471
523014	Drill Core			1.56	<0.005	<2	<2	<5	13	<0.5	<2	<2	251	0.47	<5	<20	<4	<2	43	<0.4	<5
523015	Drill Core			1.29	0.020	<2	33	168	188	8.6	<2	<2	71	3.21	1469	<20	<4	5	68	1.2	428
523016	Drill Core			2.82	0.033	2	43	562	161	5.0	<2	<2	138	2.71	2031	<20	<4	10	55	2.0	639
523017	Drill Core			1.93	2.247	<2	100	1211	254	34.5	<2	<2	175	3.51	5770	<20	<4	3	44	7.6	1342
523018	Drill Core			1.44	0.923	2	197	3127	586	34.6	<2	3	431	7.16	>10000	<20	<4	4	53	31.3	>4000
RRE 523018	Drill Core				0.931	<2	194	3173	585	34.3	<2	3	433	7.21	>10000	<20	<4	4	52	31.5	>4000
523019	Drill Core			3.48	0.130	<2	38	232	142	5.9	<2	<2	209	1.68	1967	<20	<4	<2	24	2.9	447
523020	Drill Core			4.10	0.785	<2	20	695	37	18.3	<2	<2	135	1.39	2462	<20	<4	<2	24	0.4	182
523021	Drill Core	1247	21.9	1.89	>10	5	341	>10000	335	>200	<2	<2	105	4.51	>10000	<20	22	<2	109	90.4	>4000
523022	Drill Core	184	3.9	1.31	2.041	<2	162	>10000	334	>200	<2	<2	181	2.63	4608	<20	<4	<2	26	48.6	2305
523023	Drill Core			1.81	0.658	<2	28	2026	38	26.8	<2	<2	130	2.87	2416	<20	<4	2	24	0.7	395
523024	Drill Core			2.39	0.532	<2	40	1182	54	51.4	<2	<2	187	2.61	1925	<20	<4	4	18	0.8	447
523025	Core Pulp			0.15	0.225	292	1842	29	113	14.8	4	6	416	1.85	6	<20	<4	<2	614	<0.4	29
523026	Drill Core			4.11	0.576	<2	14	1209	28	13.7	<2	<2	142	1.68	876	<20	<4	2	25	<0.4	466
523027	Drill Core			0.72	0.637	<2	57	2823	226	16.5	<2	<2	164	1.79	1402	<20	<4	3	13	5.8	819
523028	Drill Core			1.42	3.092	<2	933	>10000	>10000	81.6	<2	7	324	9.76	2272	<20	<4	<2	10	257.1	1654
523029	Drill Core			2.72	0.679	<2	89	1334	389	21.5	<2	3	171	3.39	1934	<20	<4	2	13	7.1	170

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Phone (604) 253-3158 Fax (604) 253-1716
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620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

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CERTIFICATE OF ANALYSIS WHI10000192.1

	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S
	Unit	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	5	2	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1
523001	Drill Core	<5	12	0.06	0.013	16	19	0.16	1810	0.08	5.38	0.04	2.34	<4	23	3	11	7	<1	7	0.1
523002	Drill Core	<5	4	0.27	0.007	15	2	0.08	293	0.06	5.42	2.41	1.11	<4	25	3	13	7	<1	7	<0.1
523003	Drill Core	<5	13	0.21	0.027	11	5	0.15	679	0.17	6.85	1.17	2.04	<4	21	3	13	5	1	9	0.1
523004	Drill Core	<5	17	0.08	0.057	12	8	0.18	642	0.24	7.36	0.05	2.73	<4	23	3	9	5	1	12	0.3
523005	Core Pulp	<5	130	4.50	0.061	9	12	1.53	645	0.31	8.15	2.47	1.40	5	14	6	15	4	<1	16	<0.1
523006	Drill Core	<5	40	0.06	0.043	7	8	0.16	921	0.23	7.02	0.07	2.02	<4	17	3	11	4	1	10	0.1
523007	Drill Core	<5	69	1.06	0.077	11	13	0.99	371	0.36	7.05	3.38	1.20	<4	17	3	17	5	1	17	0.2
523008	Drill Core	<5	45	0.89	0.073	10	5	0.59	808	0.28	6.97	2.72	1.40	<4	16	3	18	5	2	13	0.1
523009	Drill Core	<5	51	1.34	0.054	10	<2	0.73	675	0.27	6.88	3.25	1.52	<4	18	3	16	4	1	15	0.3
523010	Drill Core	<5	4	0.50	0.010	<2	<2	0.07	2153	0.06	6.20	4.09	2.49	<4	16	2	3	3	1	2	<0.1
523011	Drill Core	<5	15	0.20	0.029	11	2	0.26	527	0.25	7.18	1.31	1.96	<4	17	6	11	4	1	11	0.2
523012	Drill Core	<5	16	0.06	0.036	7	<2	0.22	1787	0.23	6.79	0.16	2.85	<4	26	3	4	5	<1	10	0.3
523013	Drill Core	<5	12	0.06	0.061	12	4	0.21	2330	0.22	6.46	0.04	3.19	6	16	5	6	5	1	12	0.3
523014	Drill Core	<5	<2	21.16	0.014	2	<2	13.04	30	<0.01	0.18	<0.01	0.03	<4	<2	<2	<2	<2	<1	<1	<0.1
523015	Drill Core	<5	27	0.06	0.042	11	16	0.22	631	0.24	6.55	0.02	2.67	<4	18	5	8	6	<1	12	0.3
523016	Drill Core	<5	67	0.08	0.034	23	30	0.23	1050	0.32	6.97	0.02	2.67	11	26	3	5	7	1	8	0.1
523017	Drill Core	<5	12	0.11	0.040	7	3	0.19	3109	0.08	4.63	0.08	2.23	<4	12	6	6	3	1	5	0.2
523018	Drill Core	<5	11	0.12	0.097	3	4	0.12	1521	0.04	3.66	0.02	1.55	<4	6	4	6	<2	1	4	0.2
RRE 523018	Drill Core	<5	12	0.11	0.098	4	4	0.11	1554	0.04	3.65	0.02	1.52	<4	6	4	6	2	1	5	0.2
523019	Drill Core	<5	16	0.05	0.024	2	2	0.24	1908	0.11	6.34	0.02	3.24	<4	11	5	<2	3	<1	4	0.2
523020	Drill Core	<5	10	0.03	0.016	2	<2	0.19	1917	0.06	6.15	0.02	3.04	<4	24	5	<2	4	<1	3	0.3
523021	Drill Core	8	10	0.05	0.107	6	2	0.07	77	0.09	2.51	0.02	1.11	<4	9	37	3	3	<1	6	1.1
523022	Drill Core	<5	10	0.03	0.096	7	<2	0.10	136	0.16	3.60	0.02	1.73	<4	11	10	3	5	<1	7	0.8
523023	Drill Core	<5	21	0.02	0.048	11	3	0.18	173	0.25	6.10	0.02	3.21	5	13	8	3	6	<1	13	0.9
523024	Drill Core	<5	78	0.02	0.042	10	16	0.22	444	0.34	6.68	0.02	3.48	7	13	9	2	7	<1	10	0.8
523025	Core Pulp	<5	31	1.88	0.040	6	6	0.23	916	0.11	7.23	3.21	2.03	<4	9	<2	4	3	1	2	0.4
523026	Drill Core	<5	30	0.01	0.027	10	10	0.19	356	0.26	5.76	0.01	2.95	7	13	9	4	6	<1	12	0.5
523027	Drill Core	<5	16	0.02	0.027	6	<2	0.16	120	0.25	5.54	0.02	2.81	4	12	8	4	6	<1	12	0.9
523028	Drill Core	<5	21	0.02	0.025	4	5	0.10	31	0.10	3.18	0.01	1.35	<4	8	8	5	3	<1	7	11.8
523029	Drill Core	<5	16	0.02	0.054	7	<2	0.27	47	0.22	6.67	0.01	3.17	4	16	10	10	6	1	12	2.6

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CERTIFICATE OF ANALYSIS WHI10000192.1

		Method	7TD	7TD
		Analyte	Pb	Zn
		Unit	%	%
		MDL	0.02	0.01
523001	Drill Core			
523002	Drill Core			
523003	Drill Core			
523004	Drill Core			
523005	Core Pulp			
523006	Drill Core			
523007	Drill Core			
523008	Drill Core			
523009	Drill Core			
523010	Drill Core			
523011	Drill Core			
523012	Drill Core			
523013	Drill Core			
523014	Drill Core			
523015	Drill Core			
523016	Drill Core			
523017	Drill Core			
523018	Drill Core			
RRE 523018	Drill Core			
523019	Drill Core			
523020	Drill Core			
523021	Drill Core		3.78	0.03
523022	Drill Core		1.40	0.03
523023	Drill Core			
523024	Drill Core			
523025	Core Pulp			
523026	Drill Core			
523027	Drill Core			
523028	Drill Core		1.00	1.72
523029	Drill Core			

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620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
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CERTIFICATE OF ANALYSIS WHI10000192.1

	Method	G6Gr	G6Gr	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Ag	Au	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb
	Unit	gm/mt	gm/mt	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	50	0.9	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5
523030	Drill Core			4.32	0.567	<2	43	313	151	4.5	<2	<2	100	2.46	1385	<20	<4	<2	36	0.5	99
523031	Drill Core			0.99	8.682	<2	316	6173	243	172.9	<2	<2	47	2.50	2644	<20	<4	<2	51	12.6	730
523032	Drill Core			3.42	0.195	<2	23	455	55	9.4	<2	<2	91	1.59	914	<20	<4	12	48	<0.4	70
523033	Drill Core			2.90	0.405	<2	18	620	22	7.9	<2	<2	83	1.10	383	<20	<4	23	48	<0.4	64
523034	Drill Core			0.97	<0.005	<2	<2	<5	13	<0.5	3	<2	227	0.52	<5	<20	<4	<2	50	<0.4	<5
523035	Drill Core			2.80	0.366	<2	25	876	22	7.4	<2	<2	97	1.33	505	<20	<4	23	50	<0.4	72
523036	Drill Core			4.33	2.171	<2	48	1960	35	50.9	<2	<2	85	1.64	3533	<20	<4	18	43	0.7	205
523037	Drill Core			2.71	0.594	<2	35	2068	26	10.5	<2	<2	47	1.29	1680	<20	<4	21	76	<0.4	142
523038	Drill Core			1.73	2.211	10	242	>10000	174	103.6	<2	<2	47	3.60	5087	<20	<4	13	29	2.3	511
523039	Drill Core			2.10	0.061	<2	44	842	61	6.9	<2	<2	92	1.06	455	<20	<4	10	24	<0.4	42
523040	Drill Core			1.30	0.111	<2	49	2257	134	12.9	<2	<2	70	1.26	741	<20	<4	13	30	0.7	103
523041	Drill Core			2.46	0.471	<2	105	7485	441	41.6	<2	<2	76	2.50	3413	<20	<4	5	24	4.8	279
523042	Core Pulp			0.15	5.612	3	128	<5	71	90.4	9	15	1062	4.35	79	<20	4	4	430	<0.4	5
523043	Drill Core			2.62	1.890	<2	118	5127	424	60.0	<2	<2	71	2.89	4398	<20	<4	5	45	10.7	333
RRE 523043	Drill Core				1.870	2	118	5049	418	58.7	<2	<2	76	2.88	4272	<20	<4	2	44	10.7	335
523044	Drill Core			2.90	0.027	<2	23	244	105	1.9	<2	<2	60	0.75	325	<20	<4	14	21	3.6	36
523045	Drill Core			3.04	0.104	<2	21	259	119	4.1	<2	<2	39	0.77	332	<20	<4	13	32	3.2	33

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620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

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CERTIFICATE OF ANALYSIS WHI10000192.1

	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S
	Unit	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	5	2	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1
523030	Drill Core	<5	13	0.03	0.060	7	<2	0.24	145	0.27	6.77	0.01	3.13	7	19	6	10	7	<1	14	1.4
523031	Drill Core	<5	8	0.01	0.020	<2	<2	0.04	77	0.02	1.43	0.02	0.56	<4	10	8	2	2	<1	1	1.3
523032	Drill Core	<5	5	0.03	0.011	17	<2	0.14	944	0.05	4.85	0.02	2.34	<4	39	2	5	8	1	2	0.2
523033	Drill Core	<5	26	0.02	0.017	86	<2	0.19	1981	0.23	6.27	0.02	3.20	<4	48	3	6	8	<1	4	0.3
523034	Drill Core	<5	6	22.00	0.020	3	<2	11.76	37	0.01	0.31	0.04	0.10	<4	<2	<2	<2	<2	<1	<1	<0.1
523035	Drill Core	<5	27	<0.01	0.017	92	<2	0.17	1064	0.22	6.58	0.03	3.29	6	50	9	6	8	<1	4	0.3
523036	Drill Core	<5	20	0.04	0.025	89	<2	0.14	391	0.17	4.78	0.03	2.43	<4	40	8	6	7	<1	4	0.4
523037	Drill Core	<5	17	0.03	0.026	49	<2	0.10	1063	0.10	3.96	0.02	1.78	<4	33	5	5	6	<1	3	0.3
523038	Drill Core	<5	7	0.02	0.065	27	<2	0.07	85	0.05	2.03	0.01	1.30	<4	20	11	3	4	<1	2	1.5
523039	Drill Core	<5	3	0.04	0.007	10	<2	0.20	816	0.05	5.54	0.02	2.84	<4	48	<2	5	9	1	2	0.2
523040	Drill Core	<5	6	0.04	0.013	19	<2	0.17	584	0.06	5.09	0.02	2.36	<4	42	<2	6	8	1	2	0.1
523041	Drill Core	<5	3	0.03	0.012	8	<2	0.10	1013	0.02	3.05	0.02	1.48	<4	24	4	3	4	<1	1	0.4
523042	Core Pulp	12	133	4.47	0.059	9	12	1.53	633	0.32	7.84	2.48	1.39	<4	17	7	18	6	<1	16	<0.1
523043	Drill Core	<5	2	0.04	0.012	8	<2	0.08	606	0.02	2.38	0.02	1.10	<4	17	4	3	3	<1	1	0.6
RRE 523043	Drill Core	<5	3	0.04	0.011	7	<2	0.08	283	0.02	2.35	0.02	1.09	<4	17	6	3	3	<1	1	0.6
523044	Drill Core	<5	3	0.03	0.008	14	<2	0.16	550	0.05	5.58	0.02	2.77	<4	48	<2	9	11	1	3	<0.1
523045	Drill Core	<5	3	0.03	0.010	23	<2	0.17	1054	0.05	6.02	0.02	2.63	<4	52	<2	10	11	2	3	<0.1

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
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www.acmelab.com

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620 - 650 W. Georgia St.
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CERTIFICATE OF ANALYSIS WHI10000192.1

		Method	7TD	7TD
		Analyte	Pb	Zn
		Unit	%	%
		MDL	0.02	0.01
523030	Drill Core			
523031	Drill Core			
523032	Drill Core			
523033	Drill Core			
523034	Drill Core			
523035	Drill Core			
523036	Drill Core			
523037	Drill Core			
523038	Drill Core		1.26	0.01
523039	Drill Core			
523040	Drill Core			
523041	Drill Core			
523042	Core Pulp			
523043	Drill Core			
RRE 523043	Drill Core			
523044	Drill Core			
523045	Drill Core			

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Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
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CERTIFICATE OF ANALYSIS WHI10000193.1

Method		G6Gr	G6Gr	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
Analyte		Ag	Au	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb
Unit		gm/mt	gm/mt	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		50	0.9	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5
523104	Drill Core			2.23	0.030	<2	195	41	544	1.4	7	8	346	6.64	356	<20	<4	3	218	1.2	49
523105	Drill Core			2.35	0.032	<2	206	48	521	0.9	9	7	232	5.73	251	<20	<4	4	83	0.7	33
523106	Drill Core			1.31	0.019	<2	343	26	758	1.3	14	18	803	7.09	102	<20	<4	2	101	2.3	29
523107	Drill Core			2.52	0.059	<2	574	479	1565	3.1	14	22	685	6.46	518	<20	<4	3	42	5.4	120
RRE 523107	Drill Core				0.058	<2	588	483	1572	2.9	15	23	703	6.41	518	<20	<4	4	41	5.4	125
523108	Drill Core	337	9.5	1.71	9.729	<2	428	9227	393	>200	<2	<2	103	2.96	8482	<20	7	2	68	20.3	1405
523109	Drill Core			0.88	0.478	<2	14	1081	124	5.8	<2	<2	122	2.29	375	<20	<4	<2	47	0.6	104
523110	Drill Core			1.20	0.860	<2	18	1322	72	21.3	2	3	99	2.61	807	<20	<4	<2	57	1.9	132
523111	Drill Core	144	15.8	1.12	>10	2	221	7127	4283	157.3	5	6	207	7.29	>10000	<20	16	<2	38	67.4	1168
523112	Drill Core			1.15	8.252	<2	249	9338	6554	103.8	3	5	194	4.47	>10000	<20	7	<2	20	95.5	3363
523113	Drill Core			0.80	0.028	<2	<2	9	13	<0.5	2	<2	271	0.52	19	<20	<4	<2	40	<0.4	7
523114	Drill Core			2.50	0.112	<2	93	109	4002	2.8	11	24	3341	6.45	475	<20	<4	3	32	59.9	54
523115	Drill Core			4.33	0.024	<2	32	327	1713	1.2	9	20	3015	5.98	154	<20	<4	<2	57	16.9	37
523116	Drill Core			1.38	0.033	<2	42	1602	2464	6.2	12	20	4651	5.71	164	<20	<4	2	59	26.8	53
523117	Drill Core			1.95	0.103	5	15	38	143	1.6	7	16	3453	4.68	340	<20	<4	2	34	1.2	53
523118	Core Pulp			0.15	5.568	3	121	12	75	86.8	10	15	1035	4.38	92	<20	5	<2	415	<0.4	10
523119	Drill Core			1.83	0.194	2	9	77	168	1.8	4	12	3233	5.00	261	<20	<4	<2	36	1.2	73
523120	Drill Core			2.09	0.130	<2	15	188	953	1.7	9	18	8173	5.48	383	<20	<4	<2	54	12.1	48
523121	Drill Core			1.61	0.110	<2	18	794	2965	4.4	14	17	3018	6.00	443	<20	<4	2	20	33.3	101
523122	Drill Core			1.25	0.038	<2	10	44	873	<0.5	18	17	4463	4.30	212	<20	<4	<2	40	3.8	33
523123	Drill Core			1.28	0.058	<2	26	18	1590	0.6	20	31	6731	5.31	169	<20	<4	<2	40	4.5	38
523124	Drill Core			1.28	0.371	<2	15	612	242	6.7	<2	2	179	1.79	199	<20	<4	2	66	3.9	105
523125	Drill Core			1.23	3.563	<2	114	3259	275	58.8	2	2	181	3.76	1401	<20	<4	<2	61	7.9	508
523126	Drill Core			0.89	0.041	<2	72	87	920	1.5	14	9	469	5.98	1352	<20	<4	4	137	4.1	94
523127	Drill Core			1.86	0.017	<2	54	49	758	<0.5	19	19	1588	6.08	161	<20	<4	<2	126	4.6	24
523128	Drill Core			2.60	0.196	<2	34	47	837	0.6	12	17	2989	4.37	272	<20	<4	2	57	7.8	39

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620 - 650 W. Georgia St.
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CERTIFICATE OF ANALYSIS WHI10000193.1

	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S
	Unit	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	5	2	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1
523104	Drill Core	<5	193	0.73	0.075	14	30	0.75	919	0.38	8.63	1.25	1.81	12	10	4	11	5	2	20	0.4
523105	Drill Core	<5	238	0.19	0.074	10	50	0.52	898	0.43	8.64	0.05	1.84	20	16	4	7	6	1	23	0.6
523106	Drill Core	<5	265	0.53	0.075	8	57	1.51	923	0.44	7.85	0.57	2.52	6	10	3	9	5	1	23	0.3
523107	Drill Core	<5	187	0.18	0.069	7	58	0.56	740	0.37	8.33	0.13	2.55	10	11	<2	16	5	3	23	<0.1
RRE 523107	Drill Core	<5	189	0.17	0.069	7	60	0.56	738	0.36	8.13	0.13	2.54	7	11	<2	16	5	3	23	<0.1
523108	Drill Core	<5	58	0.05	0.048	4	9	0.12	98	0.16	3.38	0.03	1.49	<4	11	5	2	<2	<1	9	1.6
523109	Drill Core	<5	76	0.05	0.016	6	8	0.20	97	0.24	4.54	0.02	2.03	<4	9	2	4	3	<1	8	1.8
523110	Drill Core	<5	77	0.03	0.014	<2	8	0.15	43	0.22	4.06	0.03	1.75	5	11	6	3	2	<1	9	2.4
523111	Drill Core	<5	113	0.05	0.017	<2	16	0.21	11	0.27	4.76	0.01	2.30	<4	10	14	5	2	<1	13	6.8
523112	Drill Core	<5	52	0.04	0.009	4	12	0.15	28	0.15	3.57	0.02	1.65	<4	13	7	3	<2	<1	6	4.3
523113	Drill Core	<5	<2	22.30	0.016	<2	<2	12.30	41	<0.01	0.11	<0.01	0.02	<4	<2	<2	<2	<2	<1	<1	<0.1
523114	Drill Core	<5	208	0.73	0.092	9	5	0.88	790	0.51	8.89	<0.01	0.87	21	22	3	18	4	2	23	0.2
523115	Drill Core	<5	201	2.22	0.081	9	10	1.47	949	0.48	8.31	0.01	1.28	16	21	2	14	4	1	22	0.4
523116	Drill Core	<5	179	3.06	0.062	10	11	1.64	285	0.42	8.10	<0.01	1.70	8	25	<2	14	4	1	21	0.9
523117	Drill Core	<5	145	1.68	0.061	9	13	0.93	69	0.39	7.41	0.01	3.29	9	26	2	13	3	1	19	3.0
523118	Core Pulp	5	134	4.53	0.058	8	13	1.52	633	0.32	7.51	2.45	1.42	7	17	7	18	4	<1	15	<0.1
523119	Drill Core	<5	106	1.24	0.036	4	4	0.70	25	0.26	5.28	0.01	2.31	6	14	<2	11	3	<1	14	4.3
523120	Drill Core	<5	157	4.16	0.072	8	16	1.82	72	0.44	7.45	<0.01	3.46	6	32	<2	17	3	1	22	3.9
523121	Drill Core	<5	129	0.46	0.090	8	15	0.47	45	0.42	7.36	<0.01	3.42	7	18	<2	17	4	1	17	3.8
523122	Drill Core	<5	141	1.75	0.062	10	14	1.05	223	0.41	8.12	<0.01	2.42	5	21	<2	13	4	1	19	0.7
523123	Drill Core	<5	192	0.90	0.081	7	13	0.85	135	0.46	8.05	<0.01	1.91	9	21	4	12	3	2	22	0.6
523124	Drill Core	<5	124	0.09	0.023	5	4	0.27	314	0.33	5.66	0.02	2.67	6	16	3	4	3	<1	13	0.7
523125	Drill Core	<5	117	0.07	0.037	5	23	0.24	56	0.36	5.98	0.02	3.08	10	18	6	2	3	<1	14	2.8
523126	Drill Core	<5	134	0.13	0.107	10	11	0.15	408	0.53	7.79	0.02	2.52	8	4	<2	12	5	1	19	0.9
523127	Drill Core	<5	220	1.13	0.083	8	13	1.27	867	0.48	7.56	2.30	1.71	5	27	<2	14	4	1	21	0.2
523128	Drill Core	<5	153	1.68	0.095	9	28	0.94	756	0.47	7.48	0.54	2.35	11	18	<2	16	4	1	20	0.7

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CERTIFICATE OF ANALYSIS WHI10000194.1

	Method	G6Gr	G6Gr	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Ag	Au	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb
	Unit	gm/mt	gm/mt	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	50	0.9	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5
523129	Drill Core			1.07	2.573	<2	81	270	1025	14.0	18	10	673	5.01	4781	<20	<4	<2	49	17.8	175
523130	Drill Core			0.47	<0.005	<2	3	41	13	<0.5	3	<2	225	0.52	<5	<20	<4	<2	49	<0.4	<5
523131	Drill Core			2.32	<0.005	<2	92	27	938	<0.5	34	19	831	6.49	92	<20	<4	<2	154	1.3	15
523132	Drill Core	<50	14.0	1.35	>10	<2	66	719	634	22.8	9	4	376	5.66	4992	<20	14	<2	51	5.4	402
RE 523132	Drill Core	<50	13.9		>10	2	63	702	621	22.9	9	4	368	5.58	4847	<20	12	2	52	5.1	388
523133	Drill Core	55	14.1	0.62	>10	<2	31	439	159	58.0	<2	2	232	2.10	4733	<20	13	<2	50	3.5	433
523134	Drill Core			1.06	0.254	<2	52	144	637	15.1	18	10	249	8.90	2760	<20	<4	2	193	3.8	202
523135	Drill Core			0.83	2.060	<2	15	3897	37	22.7	<2	<2	139	2.05	1102	<20	<4	<2	63	3.3	752
523136	Drill Core	298	7.1	0.70	6.576	<2	671	2553	1116	>200	26	13	1204	6.01	8690	<20	9	<2	106	91.6	1066
523137	Drill Core			1.17	3.637	<2	255	1282	130	108.6	<2	<2	88	1.49	1448	<20	<4	<2	54	6.0	637
523138	Core Pulp			0.15	1.967	10	136	21	167	1.3	37	141	3748	8.04	5243	<20	6	3	365	1.9	20
523139	Drill Core	51	14.3	0.68	>10	<2	31	429	172	55.5	<2	2	234	2.15	4966	<20	14	4	52	4.8	430
523140	Drill Core			0.96	0.694	<2	16	1480	183	12.0	<2	<2	140	2.47	862	<20	<4	<2	91	2.3	707
523141	Drill Core			1.15	0.232	<2	59	56	2160	2.9	10	7	416	8.32	3165	<20	<4	<2	98	5.9	189
523142	Drill Core			0.90	0.321	<2	120	5270	1044	43.1	4	2	255	5.12	2118	<20	<4	3	92	8.3	326
523143	Drill Core			1.04	2.425	5	234	1385	685	55.7	7	10	164	5.12	1050	<20	<4	<2	35	17.8	122
523144	Drill Core	1215	11.8	1.99	>10	<2	2924	8525	>10000	>200	12	20	249	15.25	9552	<20	11	<2	61	283.7	>4000
523145	Drill Core			0.68	0.009	<2	4	11	17	4.6	<2	<2	241	0.48	<5	<20	<4	<2	39	0.4	<5
523146	Drill Core			1.52	0.284	<2	48	469	957	8.8	<2	3	223	3.50	932	<20	<4	3	82	20.3	192
523147	Drill Core			1.19	0.009	<2	37	44	2197	1.2	5	19	2053	5.08	154	<20	<4	<2	157	16.0	39

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
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CERTIFICATE OF ANALYSIS WHI10000194.1

	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S
	Unit	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	5	2	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1
523129	Drill Core	5	277	0.36	0.077	7	70	0.64	813	0.66	8.71	0.06	3.31	13	10	6	10	7	2	34	0.3
523130	Drill Core	<5	6	22.16	0.021	2	<2	11.82	36	0.01	0.30	0.04	0.11	<4	<2	<2	<2	2	<1	<1	<0.1
523131	Drill Core	<5	248	4.36	0.092	6	66	2.15	329	0.62	8.46	2.13	0.84	<4	11	<2	20	7	1	29	<0.1
523132	Drill Core	<5	141	0.15	0.079	7	24	0.14	506	0.40	5.73	0.02	1.60	8	8	8	4	5	<1	16	0.7
RE 523132	Drill Core	<5	138	0.15	0.077	7	22	0.14	625	0.39	5.75	0.02	1.57	9	8	6	4	5	<1	16	0.7
523133	Drill Core	<5	156	0.11	0.032	8	12	0.32	461	0.40	5.83	0.03	2.87	5	48	8	5	6	<1	14	0.3
523134	Drill Core	<5	334	0.33	0.084	11	58	0.45	253	0.78	8.64	<0.01	2.92	5	15	<2	7	5	2	31	1.6
523135	Drill Core	<5	170	0.06	0.041	5	37	0.20	379	0.53	4.79	0.02	2.65	6	7	9	<2	4	<1	17	0.6
523136	Drill Core	<5	266	0.31	0.102	7	73	0.36	132	0.72	8.27	<0.01	3.12	7	8	5	12	5	2	34	0.4
523137	Drill Core	<5	42	0.07	0.012	6	5	0.12	271	0.15	2.96	0.02	1.40	<4	4	6	3	3	<1	7	0.4
523138	Core Pulp	50	93	13.77	0.111	32	56	1.74	501	0.24	4.99	0.85	0.96	21	45	2	16	4	<1	12	0.7
523139	Drill Core	<5	143	0.07	0.035	11	14	0.31	468	0.41	5.97	0.02	3.16	10	42	6	5	4	<1	14	0.3
523140	Drill Core	<5	145	0.11	0.024	6	9	0.25	962	0.39	6.02	0.02	2.69	10	9	3	3	3	<1	15	0.5
523141	Drill Core	<5	209	0.19	0.106	5	18	0.43	355	0.38	8.67	0.01	3.84	<4	8	<2	5	2	1	26	0.7
523142	Drill Core	<5	127	0.15	0.049	4	15	0.38	506	0.27	7.74	0.01	3.58	<4	6	3	3	3	1	13	0.9
523143	Drill Core	<5	165	0.14	0.021	4	20	0.32	50	0.38	7.65	0.19	3.55	28	6	10	8	2	1	24	4.8
523144	Drill Core	<5	177	0.08	0.035	<2	15	0.25	54	0.32	7.35	0.01	3.23	<4	4	27	5	<2	1	21	15.1
523145	Drill Core	<5	2	20.45	0.012	2	<2	12.62	19	<0.01	0.08	<0.01	0.03	<4	<2	<2	<2	<2	<1	<1	<0.1
523146	Drill Core	<5	107	0.13	0.040	8	5	0.29	1211	0.32	7.83	0.07	3.21	11	10	3	4	5	1	15	0.4
523147	Drill Core	<5	142	1.07	0.094	7	4	1.02	630	0.45	8.91	0.74	1.39	<4	4	<2	18	4	1	22	0.3

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

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CERTIFICATE OF ANALYSIS WHI10000194.1

		Method	7TD
		Analyte	Zn
		Unit	%
		MDL	0.01
523129	Drill Core		
523130	Drill Core		
523131	Drill Core		
523132	Drill Core		
RE 523132	Drill Core		
523133	Drill Core		
523134	Drill Core		
523135	Drill Core		
523136	Drill Core		
523137	Drill Core		
523138	Core Pulp		
523139	Drill Core		
523140	Drill Core		
523141	Drill Core		
523142	Drill Core		
523143	Drill Core		
523144	Drill Core		0.97
523145	Drill Core		
523146	Drill Core		
523147	Drill Core		

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
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PO Box 11604
Vancouver BC V6B 4N9 Canada

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CERTIFICATE OF ANALYSIS WHI10000195.1

Method		WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
Unit		kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5	5	2
515462	Rock Pulp	0.18	0.374	6	44	134	321	1.2	58	16	1040	3.98	855	<20	<4	13	224	2.2	564	<5	159
515463	Rock	2.63	0.221	<2	68	1158	694	7.8	16	24	2523	6.31	1216	<20	<4	6	184	21.4	57	<5	118
515464	Rock	4.10	0.240	<2	61	330	495	2.5	16	24	3234	4.78	1913	<20	<4	8	85	12.9	35	<5	130
515465	Rock	2.83	0.162	<2	78	482	455	5.2	18	20	1767	5.38	883	<20	<4	7	259	9.6	34	<5	130
515466	Rock	3.99	0.036	<2	51	256	575	1.5	16	21	2485	4.77	61	<20	<4	7	266	17.9	10	<5	144
515467	Rock	2.71	0.009	<2	29	223	266	1.0	14	17	1586	4.63	27	<20	<4	7	505	7.6	<5	<5	140
515468	Rock	4.67	0.030	<2	94	627	688	1.7	15	25	2812	4.91	67	<20	<4	7	122	18.3	15	<5	137
515469	Rock	2.86	0.017	<2	95	140	114	0.9	11	20	1047	4.09	16	<20	<4	6	525	1.9	<5	<5	116
515470	Rock	2.44	0.032	<2	40	15	314	<0.5	11	21	2303	4.99	20	<20	<4	8	197	8.1	14	<5	120
RRE 515470	Rock		0.032	<2	39	17	310	<0.5	11	20	2213	4.92	16	<20	<4	8	195	8.1	12	<5	120
515471	Rock	0.96	<0.005	<2	5	<5	20	<0.5	<2	<2	230	0.48	<5	<20	<4	<2	39	<0.4	<5	<5	<2
515472	Rock	2.73	0.058	<2	201	1241	537	7.2	12	18	1689	4.74	201	<20	<4	7	41	7.1	38	<5	132
515473	Rock	2.77	0.247	<2	172	1059	560	7.4	7	14	2163	5.75	2369	<20	<4	6	88	13.1	204	<5	109
515474	Rock	3.83	0.008	<2	50	51	293	<0.5	15	21	2159	4.87	64	<20	<4	8	216	5.8	19	<5	143
515475	Rock Pulp	0.17	0.842	529	5125	21	27	3.6	9	6	319	1.94	17	<20	<4	<2	611	<0.4	6	<5	35
515476	Rock	4.44	0.038	<2	106	25	276	<0.5	17	24	2967	5.20	976	<20	<4	9	86	7.1	37	<5	151
515477	Rock	3.91	0.031	<2	75	35	811	<0.5	24	23	2073	5.32	262	<20	<4	10	238	12.5	12	<5	137
515478	Rock	5.29	0.101	<2	165	1889	1080	7.0	7	5	412	7.68	371	<20	<4	9	75	18.2	18	<5	130
515479	Rock	3.40	0.026	<2	27	280	661	1.8	23	22	1676	4.73	49	<20	<4	9	255	17.6	<5	<5	140
515480	Rock	4.29	0.015	<2	19	23	191	<0.5	17	20	1388	4.57	31	<20	<4	7	315	3.4	<5	<5	148
515481	Rock	2.72	0.073	<2	104	27	155	0.6	16	22	1455	4.53	41	<20	<4	7	153	1.2	20	<5	135
515482	Rock	10.29	0.066	<2	48	28	174	<0.5	19	20	1330	4.82	35	<20	<4	8	205	1.1	16	<5	151
515483	Rock	4.43	0.100	<2	30	68	312	0.6	20	45	1554	4.94	253	<20	<4	9	124	5.5	24	<5	168
515484	Rock	3.37	0.060	<2	43	637	745	1.8	17	37	1569	3.99	119	<20	<4	8	48	16.9	19	<5	150
RE 515484	Rock		0.064	<2	44	648	752	1.8	17	38	1632	4.11	126	<20	<4	8	52	17.3	15	<5	153
515485	Rock	1.57	<0.005	<2	<2	<5	17	<0.5	<2	<2	242	0.48	<5	<20	<4	<2	41	<0.4	<5	<5	<2
515486	Rock	2.74	0.049	<2	39	59	205	<0.5	26	25	1016	4.91	65	<20	<4	6	427	4.6	<5	<5	161
515487	Rock	1.56	0.061	<2	43	74	529	0.8	25	46	1350	5.18	49	<20	<4	7	288	12.6	7	<5	178
515488	Rock	2.43	0.042	<2	40	63	295	<0.5	19	28	1292	5.50	63	<20	<4	5	482	6.3	<5	<5	190
515489	Rock	4.58	0.159	<2	99	131	743	1.2	22	38	2231	5.63	723	<20	<4	6	240	16.3	37	<5	195

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Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

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CERTIFICATE OF ANALYSIS WHI10000195.1

	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S
	Unit	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1
515462	Rock Pulp	0.88	0.114	38	76	0.58	1562	0.33	6.63	0.15	2.13	8	86	4	22	10	3	12	0.2
515463	Rock	0.87	0.092	21	22	0.82	840	0.42	8.52	0.78	2.77	5	61	16	16	7	2	13	0.3
515464	Rock	0.36	0.103	19	21	0.43	694	0.48	9.33	0.16	2.78	13	74	12	16	9	2	14	<0.1
515465	Rock	1.45	0.098	21	22	1.19	886	0.43	8.35	1.04	2.02	<4	80	12	19	9	2	13	0.1
515466	Rock	1.67	0.101	17	22	1.17	879	0.50	8.44	1.19	1.37	<4	75	3	17	9	2	13	<0.1
515467	Rock	3.13	0.096	16	22	1.63	1050	0.48	8.26	2.30	1.09	<4	80	<2	15	9	2	13	0.1
515468	Rock	0.62	0.101	21	25	0.70	764	0.49	9.11	0.44	1.53	11	75	2	17	9	2	14	<0.1
515469	Rock	2.83	0.093	15	18	1.03	836	0.44	8.09	3.07	1.20	<4	69	<2	15	9	2	11	0.3
515470	Rock	1.14	0.099	22	15	1.07	1109	0.46	8.83	1.00	1.18	<4	76	2	20	9	2	12	<0.1
RRE 515470	Rock	1.15	0.097	20	15	1.04	1125	0.44	8.78	0.98	1.23	<4	73	2	19	9	2	12	<0.1
515471	Rock	22.00	0.013	<2	<2	13.32	95	<0.01	0.07	<0.01	0.01	<4	<2	<2	<2	<2	<1	<1	<0.1
515472	Rock	0.12	0.098	17	21	0.36	456	0.47	9.66	0.01	1.68	25	74	11	14	9	2	14	<0.1
515473	Rock	0.20	0.081	18	8	0.33	427	0.39	8.58	0.01	2.16	8	64	35	13	8	2	12	0.1
515474	Rock	1.38	0.113	18	25	0.97	875	0.53	9.05	0.91	1.44	6	79	<2	16	10	2	15	<0.1
515475	Rock Pulp	1.19	0.039	6	15	0.19	168	0.08	5.10	1.81	2.56	6	6	<2	3	<2	<1	2	1.1
515476	Rock	0.72	0.105	19	22	0.87	755	0.53	9.48	0.35	1.44	9	85	<2	18	9	2	16	<0.1
515477	Rock	2.03	0.098	21	25	1.53	771	0.47	8.72	1.21	1.66	<4	95	2	16	9	2	15	<0.1
515478	Rock	0.26	0.078	24	25	0.42	248	0.39	7.99	0.08	2.93	<4	82	16	7	8	1	13	1.3
515479	Rock	2.35	0.094	17	24	1.56	883	0.49	8.31	1.63	1.45	<4	99	<2	14	10	2	14	0.1
515480	Rock	2.23	0.101	17	28	1.33	749	0.50	8.67	1.89	1.37	<4	81	<2	15	9	2	14	<0.1
515481	Rock	1.08	0.099	19	29	1.05	832	0.46	8.48	0.74	1.42	4	69	5	18	9	2	14	<0.1
515482	Rock	1.64	0.094	19	31	1.53	1146	0.49	8.30	1.21	1.76	<4	80	2	17	9	1	15	<0.1
515483	Rock	1.11	0.106	25	36	1.04	697	0.55	8.73	0.49	1.35	5	88	2	20	10	2	17	<0.1
515484	Rock	0.42	0.103	20	34	0.73	546	0.50	8.54	0.12	1.99	6	94	6	15	9	2	14	<0.1
RE 515484	Rock	0.46	0.105	18	33	0.75	562	0.51	8.92	0.12	1.91	5	97	5	15	9	2	15	<0.1
515485	Rock	21.70	0.014	<2	<2	13.12	11	<0.01	0.08	<0.01	0.02	<4	<2	<2	<2	<2	<1	<1	<0.1
515486	Rock	3.44	0.087	15	57	1.87	668	0.49	7.87	2.14	1.12	<4	70	<2	16	9	1	16	0.1
515487	Rock	1.71	0.091	13	52	1.71	640	0.53	8.10	1.32	1.07	7	69	<2	12	8	1	19	<0.1
515488	Rock	3.78	0.087	14	51	2.44	729	0.52	8.25	2.40	1.08	<4	65	<2	16	8	1	20	0.1
515489	Rock	1.72	0.090	17	53	1.26	767	0.53	8.88	1.00	1.80	4	60	3	21	8	2	22	0.2

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CERTIFICATE OF ANALYSIS WHI10000195.1

	Method	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5	5	2
515490	Rock	2.11	0.184	<2	61	8783	2317	55.9	21	26	2688	7.18	2323	<20	<4	<2	79	38.1	58	71	196
515491	Rock	0.18	0.207	288	1781	41	263	14.2	4	6	411	1.79	10	<20	<4	<2	565	0.7	29	<5	31
515492	Rock	3.42	0.050	<2	62	89	1086	0.8	21	31	2736	5.56	104	<20	<4	6	336	19.6	18	<5	198
515493	Rock	2.28	0.164	<2	156	1691	4395	7.8	23	41	4925	7.44	1004	<20	<4	6	115	90.1	43	<5	185
515494	Rock	3.65	0.042	<2	59	260	888	1.3	16	24	1505	5.30	130	<20	<4	3	467	13.8	9	<5	177
515495	Rock	1.28	<0.005	<2	<2	<5	15	<0.5	<2	<2	244	0.48	<5	<20	<4	<2	42	<0.4	<5	<5	<2
515496	Rock	3.53	0.036	<2	33	245	395	1.2	13	19	1458	5.01	142	<20	<4	4	450	5.7	<5	<5	160
515497	Rock	3.13	0.022	<2	36	63	280	1.0	5	15	2116	5.33	42	<20	<4	4	244	3.7	7	<5	139
515498	Rock	4.84	0.024	<2	75	151	317	1.5	7	12	913	6.21	77	<20	<4	3	333	2.6	6	<5	135
515499	Rock	2.74	0.020	<2	58	33	283	1.1	8	15	926	5.59	37	<20	<4	3	373	3.3	11	<5	154
515500	Rock	2.85	0.032	<2	21	66	204	1.5	10	16	1313	5.30	52	<20	<4	4	279	2.6	13	<5	168
515001	Rock	2.38	0.033	<2	16	42	160	1.4	8	21	1932	5.88	45	<20	<4	3	287	0.5	22	<5	156
515002	Rock	2.37	0.015	<2	20	36	126	1.1	12	15	1402	4.82	35	<20	<4	2	380	0.6	11	<5	138
515003	Rock	2.84	0.030	<2	28	36	100	1.7	11	14	952	4.83	39	<20	<4	<2	235	<0.4	18	<5	125
515004	Rock	3.53	0.027	<2	22	40	114	1.5	12	12	972	4.83	51	<20	<4	3	200	<0.4	21	<5	137
515005	Rock	4.31	0.024	<2	17	39	124	1.1	11	13	1086	4.69	35	<20	<4	4	354	<0.4	13	<5	139
515006	Rock	2.77	0.017	<2	27	28	186	1.0	10	15	1205	5.28	41	<20	<4	3	392	<0.4	8	<5	153
515007	Rock	2.15	0.028	<2	47	41	145	1.0	9	18	1094	5.02	44	<20	<4	3	524	<0.4	6	<5	174
515008	Rock	2.22	0.008	<2	22	21	146	0.5	9	17	1195	5.27	30	<20	<4	4	559	<0.4	6	<5	185
515009	Rock	3.67	0.096	<2	93	387	650	5.3	8	11	439	7.10	887	<20	<4	6	169	0.7	51	<5	168
515010	Rock	2.35	0.039	<2	132	61	303	3.2	7	9	556	7.03	178	<20	<4	6	134	<0.4	20	<5	181
515011	Rock	2.98	0.168	<2	76	396	236	6.4	5	6	344	6.30	237	<20	<4	5	148	<0.4	19	<5	157
RRE 515011	Rock		0.121	<2	76	384	232	6.1	5	6	338	6.18	229	<20	<4	3	147	<0.4	21	<5	157
515012	Rock	0.51	<0.005	<2	<2	<5	13	<0.5	3	<2	234	0.53	<5	<20	<4	<2	51	<0.4	<5	<5	6
515013	Rock	3.66	0.125	<2	127	133	297	4.1	8	11	688	5.94	284	<20	<4	6	108	<0.4	30	<5	164
515014	Rock	2.96	0.085	<2	138	110	137	3.2	7	8	267	5.64	172	<20	<4	4	191	<0.4	22	<5	150
515015	Rock	3.34	0.071	<2	110	108	111	6.4	6	8	327	5.91	231	<20	<4	4	171	<0.4	28	<5	147
515016	Rock Pulp	0.14	1.958	10	151	17	158	0.7	39	146	3800	8.25	5254	<20	<4	<2	377	<0.4	13	49	100
515017	Rock	5.80	0.187	<2	58	208	111	14.4	3	4	238	6.64	1272	<20	<4	3	84	<0.4	103	32	111
515018	Rock	5.66	0.430	<2	19	506	89	23.8	<2	<2	200	3.94	1251	<20	<4	<2	63	<0.4	127	53	79

Acme Analytical Laboratories (Vancouver) Ltd.
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www.acmelab.com

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620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: August 20, 2010

CERTIFICATE OF ANALYSIS WHI10000195.1

	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S
	Unit	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1
515490	Rock	0.58	0.089	21	54	0.38	312	0.52	9.02	0.12	1.79	<4	52	12	20	7	2	23	0.5
515491	Rock	1.80	0.038	5	9	0.21	909	0.11	6.50	3.15	1.83	<4	8	<2	4	2	1	2	0.4
515492	Rock	2.58	0.090	16	53	1.18	720	0.52	8.48	1.20	1.49	<4	53	<2	18	7	2	22	<0.1
515493	Rock	0.53	0.084	20	50	0.60	515	0.50	8.98	0.29	1.76	<4	47	10	20	7	2	25	0.1
515494	Rock	2.98	0.082	15	41	1.95	788	0.54	7.88	1.85	1.71	<4	54	<2	16	11	2	21	0.1
515495	Rock	21.47	0.013	3	<2	11.50	15	<0.01	0.06	<0.01	0.01	<4	<2	<2	<2	<2	<1	<1	<0.1
515496	Rock	2.96	0.081	17	31	1.92	864	0.51	8.03	1.88	1.92	<4	59	<2	16	11	2	18	<0.1
515497	Rock	0.55	0.081	14	15	1.07	1018	0.34	8.16	1.67	1.75	<4	41	<2	15	7	1	16	<0.1
515498	Rock	1.78	0.073	13	13	0.99	861	0.37	7.48	1.84	1.30	<4	34	<2	14	8	1	14	<0.1
515499	Rock	2.72	0.068	14	11	0.92	903	0.43	8.53	2.15	1.07	<4	29	<2	16	9	1	17	<0.1
515500	Rock	1.76	0.081	15	17	0.63	939	0.46	8.88	1.34	1.21	<4	35	<2	15	9	2	17	<0.1
515001	Rock	1.47	0.077	15	18	1.17	1005	0.43	8.42	1.57	1.40	<4	36	<2	16	9	1	18	<0.1
515002	Rock	2.33	0.081	12	18	1.24	1231	0.42	7.82	2.23	1.66	<4	28	<2	12	9	1	16	<0.1
515003	Rock	1.64	0.081	14	17	0.44	935	0.41	8.05	1.17	1.72	<4	25	<2	16	9	1	16	<0.1
515004	Rock	1.27	0.090	14	20	0.28	1188	0.45	8.74	1.05	1.65	<4	27	<2	15	10	1	17	<0.1
515005	Rock	3.10	0.081	12	18	0.39	1222	0.43	8.09	1.78	1.61	<4	26	<2	15	10	1	16	<0.1
515006	Rock	2.62	0.081	14	17	1.25	963	0.45	7.93	2.01	1.57	<4	32	<2	15	10	2	17	<0.1
515007	Rock	3.79	0.083	13	18	1.36	984	0.54	8.11	2.52	1.39	<4	38	<2	14	12	1	17	<0.1
515008	Rock	4.23	0.090	13	23	1.25	884	0.56	8.50	2.53	1.26	<4	34	<2	15	12	1	18	<0.1
515009	Rock	0.69	0.090	19	19	0.40	761	0.46	8.78	0.44	2.16	5	54	6	11	10	2	17	0.3
515010	Rock	0.27	0.084	14	15	0.52	1570	0.42	9.34	0.40	2.50	<4	39	<2	9	10	2	19	0.1
515011	Rock	0.59	0.077	19	11	0.61	937	0.40	8.21	0.46	3.88	7	30	9	9	8	1	16	0.5
RRE 515011	Rock	0.59	0.076	19	10	0.61	924	0.42	7.98	0.46	3.61	8	28	10	9	9	1	16	0.4
515012	Rock	21.57	0.019	3	2	11.48	39	0.02	0.34	0.03	0.11	<4	2	<2	<2	<2	<1	<1	<0.1
515013	Rock	0.22	0.085	15	13	0.27	866	0.47	9.86	0.11	2.42	12	46	5	11	10	2	18	0.2
515014	Rock	0.82	0.104	10	12	0.80	770	0.37	8.46	0.59	1.79	<4	27	<2	6	7	1	21	0.2
515015	Rock	0.63	0.071	10	11	0.54	1000	0.38	8.91	0.54	2.22	<4	27	5	8	7	1	17	0.2
515016	Rock Pulp	14.61	0.105	34	53	1.80	653	0.25	5.12	0.84	0.98	21	53	<2	19	5	<1	13	0.7
515017	Rock	0.22	0.080	13	9	0.36	447	0.25	6.72	0.15	2.89	6	35	37	7	4	2	11	0.4
515018	Rock	0.13	0.052	8	6	0.26	648	0.22	4.92	0.09	2.54	<4	24	38	5	4	1	9	0.5

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Project: Mt Nansen
Report Date: August 20, 2010

CERTIFICATE OF ANALYSIS WHI10000195.1

Method		WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
Unit		kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5	5	2
515019	Rock	6.43	0.341	<2	6	180	18	19.6	<2	<2	96	1.57	736	<20	<4	<2	36	<0.4	122	19	92
515020	Rock	3.72	0.489	3	5	137	7	12.5	<2	<2	80	1.04	516	<20	<4	2	35	<0.4	89	13	102
515021	Rock	2.96	0.639	<2	62	172	32	91.3	<2	<2	79	2.66	516	<20	<4	<2	54	<0.4	340	219	61
515022	Rock	1.93	0.078	<2	168	229	142	3.6	5	6	441	5.79	230	<20	<4	3	222	<0.4	25	8	156
515023	Rock	0.82	<0.005	<2	<2	<5	13	0.5	3	<2	237	0.54	<5	<20	<4	<2	51	<0.4	<5	<5	6
515024	Rock	4.06	0.036	<2	174	113	181	2.4	4	7	297	6.53	178	<20	<4	3	94	<0.4	21	<5	139
515025	Rock	2.84	0.076	<2	145	265	236	4.0	4	7	296	6.87	256	<20	<4	4	72	<0.4	10	<5	135
515026	Rock	3.81	0.076	<2	66	156	177	2.5	6	8	373	5.01	2127	<20	<4	5	97	1.1	79	<5	165
515027	Rock	2.33	0.072	3	126	246	558	3.9	5	7	341	6.93	901	<20	<4	4	41	2.4	30	<5	120
515028	Rock	3.00	0.013	<2	48	216	968	0.8	6	17	1878	5.66	73	<20	<4	5	204	16.6	9	<5	160
515029	Rock	3.33	0.006	<2	52	64	795	<0.5	9	19	1452	6.01	65	<20	<4	2	332	15.9	5	<5	167
515030	Rock Pulp	0.14	5.610	3	125	14	74	86.0	9	15	1053	4.51	99	<20	6	<2	433	<0.4	<5	<5	136
515031	Rock	4.81	0.018	<2	27	88	375	<0.5	9	19	1345	5.69	27	<20	<4	4	299	7.4	9	<5	170
515032	Rock	4.91	0.024	<2	14	175	878	<0.5	9	33	1825	7.13	33	<20	<4	4	151	11.7	5	<5	161
515033	Rock	3.28	0.093	<2	65	1236	1734	3.6	14	18	1096	7.85	420	<20	<4	4	39	22.5	42	<5	155
515034	Rock	3.27	0.485	<2	70	1164	918	12.9	6	10	789	5.60	531	<20	<4	4	38	41.8	199	<5	152
515035	Rock	1.81	<0.005	<2	5	32	391	<0.5	8	17	1734	5.29	15	<20	<4	3	256	16.0	14	<5	158
515036	Rock	2.16	0.047	<2	4	30	314	<0.5	10	23	1470	5.49	55	<20	<4	4	49	3.9	19	<5	147
515037	Rock	1.67	0.005	<2	9	10	104	<0.5	7	15	1220	4.38	21	<20	<4	4	57	<0.4	19	<5	129
RE 515037	Rock		<0.005	<2	9	11	105	<0.5	8	15	1236	4.41	21	<20	<4	3	57	<0.4	20	<5	129
515038	Rock	0.66	<0.005	<2	<2	<5	13	<0.5	2	<2	227	0.54	<5	<20	<4	<2	43	<0.4	<5	<5	6
515039	Rock	2.66	0.009	<2	18	36	660	<0.5	4	12	1789	5.26	41	<20	<4	5	28	9.8	22	<5	129
515040	Rock	2.62	0.011	2	26	12	692	<0.5	6	17	1460	5.74	73	<20	<4	4	30	12.3	23	<5	132
515041	Rock	1.47	0.010	<2	10	18	59	<0.5	5	7	1001	2.88	9	<20	<4	6	290	<0.4	13	<5	72
515042	Rock	6.50	0.019	<2	22	64	158	<0.5	6	13	900	3.93	28	<20	<4	5	464	2.5	<5	<5	103
515043	Rock	4.10	0.034	<2	87	519	879	2.1	7	12	894	4.20	342	<20	<4	5	216	14.9	13	<5	105
515044	Rock Pulp	0.14	0.378	6	44	134	328	0.7	61	16	1047	4.11	932	<20	<4	11	231	2.2	577	<5	158
515045	Rock	2.74	0.405	<2	100	3100	1055	9.4	2	<2	162	6.79	1262	<20	<4	7	97	7.0	183	<5	105
RRE 515045	Rock		0.415	<2	100	3126	1072	9.4	2	<2	160	6.89	1255	<20	<4	6	95	7.1	181	<5	106
515046	Rock	1.19	0.014	<2	3	8	13	<0.5	3	<2	228	0.57	<5	<20	<4	<2	48	<0.4	<5	<5	5

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	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S
	Unit	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1
515019	Rock	0.09	0.038	8	5	0.35	503	0.31	6.23	0.07	3.43	10	27	63	3	6	1	11	0.3
515020	Rock	0.06	0.025	12	7	0.30	762	0.35	6.49	0.05	3.37	13	25	55	3	7	1	12	0.1
515021	Rock	0.04	0.023	9	8	0.15	383	0.23	3.64	0.02	1.60	6	22	40	3	4	<1	6	0.9
515022	Rock	0.74	0.067	16	15	0.76	1006	0.35	8.00	0.92	3.14	4	54	10	8	7	1	16	0.2
515023	Rock	21.90	0.020	3	2	11.66	38	0.02	0.31	0.03	0.11	<4	<2	<2	<2	<2	<1	<1	<0.1
515024	Rock	0.41	0.073	11	10	0.40	643	0.33	8.47	0.28	2.58	<4	30	5	8	6	1	14	0.2
515025	Rock	0.32	0.059	14	10	0.38	720	0.29	8.36	0.19	2.64	<4	26	5	9	6	1	14	0.2
515026	Rock	0.18	0.073	13	13	0.17	1521	0.40	8.94	0.01	1.91	15	43	<2	7	8	1	15	0.2
515027	Rock	0.12	0.052	13	11	0.25	701	0.26	8.40	0.07	3.32	<4	28	8	9	5	1	14	0.2
515028	Rock	0.97	0.075	14	13	1.01	4907	0.40	8.30	0.93	2.04	<4	32	<2	17	8	1	16	0.1
515029	Rock	2.37	0.085	13	12	1.90	753	0.41	8.58	1.85	0.93	<4	33	<2	19	6	1	16	<0.1
515030	Rock Pulp	4.64	0.060	9	12	1.55	636	0.32	7.94	2.57	1.45	6	18	5	18	4	<1	15	<0.1
515031	Rock	2.40	0.079	13	15	1.14	631	0.47	8.73	1.38	0.79	4	48	<2	17	7	1	18	<0.1
515032	Rock	1.10	0.079	11	16	1.61	604	0.40	8.10	0.78	2.22	6	32	3	14	6	1	17	0.3
515033	Rock	0.19	0.071	12	21	0.32	2471	0.38	8.37	0.10	1.99	13	41	4	13	6	1	18	0.1
515034	Rock	0.15	0.077	17	15	0.29	679	0.47	8.79	0.03	2.36	11	39	12	15	7	2	19	0.2
515035	Rock	3.07	0.080	12	15	1.17	1061	0.49	8.74	0.89	0.97	<4	71	<2	17	7	1	19	<0.1
515036	Rock	1.51	0.080	15	13	0.38	336	0.42	8.45	0.07	1.75	22	43	<2	15	7	1	17	1.1
515037	Rock	3.28	0.081	14	8	0.53	376	0.40	8.55	0.04	0.77	18	46	<2	16	6	1	15	0.3
RE 515037	Rock	3.28	0.081	13	8	0.52	376	0.42	8.34	0.03	0.77	20	47	<2	15	7	1	15	0.3
515038	Rock	22.06	0.021	<2	3	11.86	31	0.02	0.15	0.04	0.12	<4	<2	<2	<2	<2	<1	<1	<0.1
515039	Rock	0.59	0.079	14	5	0.14	736	0.34	8.35	0.04	1.50	7	40	<2	16	6	1	12	<0.1
515040	Rock	0.41	0.071	15	7	0.21	799	0.31	8.16	0.05	1.90	12	33	<2	16	5	1	13	0.3
515041	Rock	1.55	0.053	18	8	1.13	1519	0.26	7.47	1.77	1.42	<4	53	<2	14	9	1	8	<0.1
515042	Rock	2.62	0.077	13	10	1.21	1084	0.36	8.11	2.46	1.42	<4	68	<2	14	7	1	10	<0.1
515043	Rock	1.02	0.076	18	11	0.69	823	0.37	8.43	1.05	1.95	<4	67	4	16	8	2	11	<0.1
515044	Rock Pulp	0.90	0.118	41	75	0.60	2428	0.34	6.59	0.16	2.21	10	91	4	24	11	2	12	0.2
515045	Rock	0.10	0.098	20	10	0.40	1602	0.32	7.95	0.07	3.41	8	63	25	7	7	2	9	0.4
RRE 515045	Rock	0.09	0.099	18	10	0.40	1663	0.33	7.79	0.07	3.49	6	63	23	7	7	2	9	0.4
515046	Rock	21.82	0.020	<2	3	11.94	34	0.02	0.31	0.05	0.13	<4	2	<2	<2	<2	<1	<1	<0.1

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Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: August 20, 2010

CERTIFICATE OF ANALYSIS WHI10000195.1

	Method	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5	5	2
515047	Rock	3.82	0.959	<2	126	4924	1030	20.9	<2	<2	183	8.39	2810	<20	<4	5	121	7.6	265	<5	95
515048	Rock	3.01	0.246	3	183	1433	948	11.9	3	<2	193	10.42	1602	<20	<4	6	94	2.0	137	<5	125
515049	Rock	4.36	0.024	<2	158	168	503	1.5	7	6	287	5.77	102	<20	<4	6	266	0.8	24	<5	130
515050	Rock	5.07	0.259	<2	123	2019	298	15.7	3	3	159	10.03	1403	<20	<4	9	145	0.8	98	11	126
515051	Rock	4.77	0.035	<2	97	208	346	1.2	10	15	632	5.29	76	<20	<4	5	426	2.6	10	<5	126
515052	Rock	2.91	0.084	<2	40	189	281	1.2	16	16	813	4.98	73	<20	<4	5	521	2.2	5	<5	140
515053	Rock	0.87	7.054	<2	186	1895	220	34.7	<2	<2	174	11.20	1893	<20	11	7	177	6.5	50	19	136
515054	Rock	2.85	0.105	2	30	413	327	1.0	13	18	759	5.02	36	<20	<4	5	521	4.6	<5	<5	133
515055	Rock	1.51	1.094	6	259	2859	1286	16.6	6	8	241	9.65	616	<20	<4	7	176	19.6	16	5	143
515056	Rock	3.78	0.063	<2	35	475	240	1.5	14	16	806	4.99	71	<20	<4	5	496	2.7	<5	<5	145
515057	Rock	3.59	0.045	6	29	269	162	1.4	15	17	749	4.82	30	<20	<4	5	475	1.7	<5	<5	142
515058	Rock	3.82	0.007	<2	19	40	228	<0.5	19	17	1089	4.81	6	<20	<4	5	531	2.6	<5	<5	153
515059	Rock	5.57	0.021	<2	55	399	633	2.5	11	17	1475	5.21	57	<20	<4	5	459	8.9	<5	<5	157
515060	Rock	3.62	0.014	<2	28	88	142	<0.5	14	16	917	4.90	20	<20	<4	5	510	0.8	<5	<5	138
RE 515060	Rock		0.015	<2	29	92	142	<0.5	13	16	904	4.83	19	<20	<4	5	498	0.8	<5	<5	138
515061	Rock	0.92	<0.005	<2	<2	<5	13	<0.5	3	<2	231	0.55	<5	<20	<4	<2	47	<0.4	<5	<5	6
515062	Rock	2.45	0.013	<2	27	18	71	<0.5	11	17	1218	4.35	9	<20	<4	4	458	1.0	<5	<5	135
515063	Rock	4.34	0.052	<2	19	126	150	0.7	9	13	1193	4.19	18	<20	<4	5	365	1.0	6	<5	126
515064	Rock	2.96	0.010	<2	22	79	119	<0.5	11	17	865	4.48	42	<20	<4	6	386	1.2	8	<5	128
515065	Rock Pulp	0.14	1.990	10	150	15	160	1.0	40	146	3709	7.86	4639	<20	6	4	353	2.0	20	49	101
515066	Rock	2.91	0.015	<2	19	17	91	<0.5	13	17	877	4.78	107	<20	<4	6	378	0.8	9	<5	142
515067	Rock	3.26	0.071	<2	29	132	142	1.1	7	11	566	5.35	458	<20	<4	6	195	1.5	20	<5	132
515068	Rock	3.01	0.006	<2	18	15	58	<0.5	13	16	728	4.52	15	<20	<4	6	537	<0.4	<5	<5	140
515069	Rock	4.10	0.026	2	13	21	70	<0.5	13	13	506	4.78	113	<20	<4	6	377	<0.4	9	<5	138
515070	Rock	3.61	0.068	<2	25	21	99	<0.5	14	13	574	5.98	463	<20	<4	7	311	<0.4	8	<5	136
515071	Rock	3.87	0.036	<2	22	44	152	<0.5	11	12	674	5.24	77	<20	<4	6	320	1.0	6	<5	138
515072	Rock	3.25	0.043	<2	63	43	115	<0.5	6	9	448	4.78	117	<20	<4	9	369	0.7	<5	<5	107
515073	Rock	3.14	0.270	<2	79	68	130	1.2	8	6	245	4.87	656	<20	<4	10	216	<0.4	19	<5	104
515074	Rock	0.81	<0.005	<2	<2	<5	14	<0.5	3	<2	250	0.57	<5	<20	<4	<2	54	<0.4	<5	<5	6
515075	Rock	2.98	0.017	<2	28	47	142	0.6	15	18	770	4.71	44	<20	<4	7	417	0.6	6	<5	142

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CERTIFICATE OF ANALYSIS WHI10000195.1

	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S
	Unit	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1
515047	Rock	0.14	0.087	14	13	0.40	430	0.25	6.08	0.11	2.88	8	40	29	4	6	2	7	0.4
515048	Rock	0.13	0.100	16	16	0.35	625	0.33	7.60	0.11	2.75	6	54	10	6	7	1	8	0.5
515049	Rock	0.80	0.067	15	16	1.05	1227	0.36	8.31	0.97	1.30	<4	64	<2	8	6	1	13	0.3
515050	Rock	0.31	0.105	17	16	0.48	81	0.41	6.79	0.32	3.49	7	76	44	7	8	<1	10	2.1
515051	Rock	2.22	0.076	15	19	1.19	1225	0.39	8.41	2.21	1.26	<4	65	<2	13	7	1	13	0.2
515052	Rock	3.31	0.095	16	28	1.84	972	0.49	8.26	2.47	1.69	<4	72	<2	15	10	1	13	<0.1
515053	Rock	0.54	0.098	27	24	0.70	577	0.44	7.29	0.60	3.22	8	67	49	9	9	1	12	1.2
515054	Rock	3.15	0.095	18	24	1.72	969	0.50	8.50	2.45	1.82	<4	77	<2	16	10	1	13	0.2
515055	Rock	0.37	0.114	28	31	0.69	460	0.47	7.93	0.58	2.87	<4	72	29	12	8	1	14	0.6
515056	Rock	3.32	0.098	14	23	1.66	899	0.51	8.21	2.59	2.03	<4	76	<2	15	9	1	13	0.1
515057	Rock	3.05	0.095	17	31	1.61	993	0.50	8.28	2.42	2.10	<4	77	<2	16	9	1	14	0.3
515058	Rock	4.19	0.093	15	35	1.97	802	0.52	8.14	2.54	1.37	<4	70	<2	16	9	1	15	<0.1
515059	Rock	3.48	0.093	16	21	1.67	725	0.53	8.34	2.24	1.43	<4	66	3	16	9	1	16	<0.1
515060	Rock	3.28	0.095	17	22	1.83	948	0.50	8.44	2.63	1.71	<4	72	<2	16	9	1	13	0.1
RE 515060	Rock	3.22	0.094	16	23	1.78	927	0.49	8.11	2.60	1.66	<4	70	<2	16	10	1	13	0.1
515061	Rock	21.84	0.022	<2	3	11.87	33	0.02	0.23	0.06	0.13	<4	2	<2	<2	<2	<1	<1	<0.1
515062	Rock	3.16	0.091	14	19	1.69	947	0.48	8.02	2.18	1.39	5	62	<2	14	9	2	13	<0.1
515063	Rock	2.64	0.092	14	16	1.74	876	0.46	7.95	1.92	1.41	<4	65	<2	13	9	2	11	<0.1
515064	Rock	2.78	0.099	15	20	1.59	887	0.47	8.03	1.96	1.23	<4	67	<2	13	9	2	12	<0.1
515065	Rock Pulp	13.52	0.108	35	56	1.75	607	0.24	5.20	0.83	0.95	21	45	<2	17	3	<1	12	0.7
515066	Rock	2.76	0.103	17	22	1.72	1027	0.50	8.82	1.72	2.17	<4	75	<2	15	10	2	13	<0.1
515067	Rock	0.89	0.118	19	12	0.92	814	0.50	8.73	0.72	2.97	6	64	8	12	9	2	12	0.2
515068	Rock	3.46	0.102	16	19	1.67	1036	0.52	8.86	2.44	1.56	<4	75	<2	14	9	2	13	0.3
515069	Rock	1.95	0.107	18	23	1.22	840	0.48	8.60	1.70	1.94	<4	78	<2	12	9	2	14	0.3
515070	Rock	1.33	0.097	25	23	1.28	906	0.45	8.51	1.02	3.11	5	68	24	12	8	2	14	0.3
515071	Rock	1.33	0.100	20	18	1.46	875	0.47	8.40	1.43	2.89	<4	66	4	12	8	2	14	0.4
515072	Rock	1.11	0.098	34	10	1.13	952	0.38	8.27	1.72	3.17	<4	80	3	12	8	2	11	0.5
515073	Rock	0.24	0.094	28	15	0.69	581	0.35	8.71	0.23	4.00	11	88	20	9	8	2	11	0.7
515074	Rock	20.98	0.021	4	2	12.86	49	0.02	0.61	0.04	0.13	<4	3	<2	<2	<2	<1	1	<0.1
515075	Rock	2.53	0.102	14	25	1.52	935	0.50	8.58	1.94	1.98	<4	70	<2	14	9	2	14	0.1

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Method		WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
Unit		kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5	5	2
515076	Rock	2.44	0.007	<2	29	13	100	<0.5	15	19	953	4.62	18	<20	<4	6	433	<0.4	<5	<5	138
515077	Rock	1.87	0.016	<2	24	32	111	<0.5	19	18	1163	4.65	18	<20	<4	7	525	1.3	6	<5	150
515078	Rock	3.29	0.262	<2	41	87	143	2.7	11	9	463	5.37	814	<20	<4	8	231	0.5	20	<5	130
515079	Rock	1.49	0.246	<2	27	60	78	1.5	4	5	227	3.66	464	<20	<4	9	158	<0.4	20	<5	113
515080	Rock Pulp	0.14	0.211	296	1822	31	121	14.4	4	6	409	1.79	15	<20	<4	<2	579	0.5	29	<5	33
515081	Rock	3.15	0.053	<2	58	85	119	1.1	13	16	848	5.45	208	<20	<4	8	387	1.5	7	<5	150
515082	Rock	3.23	0.089	3	195	38	184	2.8	13	14	835	4.96	378	<20	<4	7	89	<0.4	46	<5	150
515083	Rock	1.80	0.025	<2	80	20	147	<0.5	17	22	977	4.56	100	<20	<4	6	441	1.5	7	<5	150
515084	Rock	2.56	0.240	<2	104	65	236	1.7	13	14	612	6.54	626	<20	<4	9	294	0.5	14	<5	135
515085	Rock	4.28	0.041	<2	91	28	148	0.7	17	13	813	4.88	68	<20	<4	7	416	0.6	8	<5	143
515086	Rock	5.17	0.133	<2	99	1156	364	5.1	9	6	373	6.96	723	<20	<4	11	147	1.1	50	<5	152
515087	Rock	5.18	0.036	<2	129	276	371	1.4	21	18	890	5.16	121	<20	<4	6	411	3.0	12	<5	157
RRE 515087	Rock		0.037	<2	135	292	381	1.4	22	18	912	5.30	127	<20	<4	8	410	3.0	12	<5	160
515088	Rock	0.77	<0.005	<2	<2	<5	13	<0.5	3	<2	236	0.52	<5	<20	<4	<2	50	<0.4	<5	<5	6
515089	Rock	4.37	0.770	<2	228	1267	352	11.8	5	4	244	5.56	1424	<20	<4	7	105	0.9	304	11	148
515090	Rock	2.41	0.055	3	364	203	380	1.6	26	17	629	5.68	454	<20	<4	9	183	2.2	27	<5	177
515091	Rock	3.25	0.085	3	270	224	374	2.2	19	18	1013	6.32	342	<20	<4	9	275	2.5	30	<5	147
515092	Rock	4.35	0.029	<2	52	42	162	0.9	27	23	1328	5.06	26	<20	<4	7	520	1.8	8	<5	159
515093	Rock	3.84	0.042	<2	69	47	143	0.8	24	23	1024	4.93	51	<20	<4	7	413	1.7	14	<5	160
515094	Rock	2.56	0.043	<2	35	17	105	<0.5	20	18	1001	4.63	22	<20	<4	9	327	0.8	8	<5	155
515095	Rock	2.43	0.025	<2	25	22	99	<0.5	19	17	843	4.35	31	<20	<4	7	348	<0.4	6	<5	147
515096	Rock	2.18	0.010	<2	14	19	120	<0.5	9	16	1195	5.11	11	<20	<4	4	525	0.6	<5	<5	164
515097	Rock	1.91	0.013	<2	13	79	215	0.5	8	16	1279	5.38	26	<20	<4	4	491	2.9	7	<5	137
515098	Rock	2.15	0.032	3	18	53	303	0.9	6	19	2491	5.80	207	<20	<4	4	369	8.1	12	<5	136
515099	Rock	2.24	<0.005	<2	10	30	126	<0.5	4	13	1503	5.44	<5	<20	<4	3	571	0.7	<5	<5	156
515100	Rock	2.15	0.023	<2	13	19	169	<0.5	5	15	1568	5.49	53	<20	<4	3	490	1.6	<5	<5	155
515101	Rock	2.69	0.008	2	9	23	130	<0.5	4	13	1668	5.23	17	<20	<4	4	419	0.5	14	<5	159
515102	Rock Pulp	0.13	0.865	523	5297	21	27	3.8	8	5	338	2.08	21	<20	<4	2	696	<0.4	<5	<5	34
515103	Rock	2.02	<0.005	<2	10	19	158	<0.5	4	14	1428	5.17	<5	<20	<4	3	532	1.2	5	<5	152
515104	Rock	2.01	<0.005	<2	10	36	184	<0.5	5	15	1187	5.39	5	<20	<4	2	546	1.3	<5	<5	166

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Method		1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
Analyte		Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S
Unit		%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1
515076	Rock	3.01	0.088	15	24	1.65	845	0.47	8.19	2.04	1.53	<4	63	<2	13	8	2	14	0.2
515077	Rock	3.88	0.097	16	35	1.91	769	0.49	8.41	2.34	1.20	<4	66	<2	15	9	2	15	0.3
515078	Rock	0.92	0.091	23	24	0.75	796	0.46	8.73	0.76	3.73	9	71	26	11	8	2	14	0.4
515079	Rock	0.23	0.080	23	12	0.39	635	0.40	8.00	0.30	6.06	8	94	24	8	10	2	9	0.5
515080	Rock Pulp	1.85	0.040	6	7	0.21	774	0.12	6.81	3.13	2.03	<4	8	<2	3	2	1	2	0.4
515081	Rock	2.26	0.113	22	23	1.26	567	0.50	8.62	1.54	3.28	<4	77	6	15	10	2	15	0.8
515082	Rock	0.13	0.118	12	18	0.32	624	0.49	9.71	0.04	2.09	28	71	14	8	8	2	13	0.2
515083	Rock	2.79	0.110	16	25	1.35	1083	0.52	9.10	1.94	1.92	<4	69	<2	13	9	2	15	<0.1
515084	Rock	0.51	0.102	15	28	0.66	619	0.42	8.91	0.46	2.81	<4	61	17	9	8	2	14	0.1
515085	Rock	2.69	0.104	14	35	1.54	929	0.48	8.58	1.94	1.49	<4	59	<2	11	9	2	14	0.2
515086	Rock	0.58	0.104	22	39	0.62	700	0.45	9.32	0.47	2.95	7	49	10	9	8	2	15	0.3
515087	Rock	2.51	0.094	15	50	1.11	856	0.50	8.30	1.71	1.64	<4	40	<2	13	9	2	16	<0.1
RRE 515087	Rock	2.52	0.098	15	53	1.10	871	0.51	8.49	1.73	1.65	<4	40	<2	13	9	2	16	0.1
515088	Rock	20.80	0.020	3	2	12.46	42	0.02	0.33	0.03	0.12	<4	<2	<2	<2	<2	<1	<1	<0.1
515089	Rock	0.17	0.127	20	33	0.43	510	0.44	8.65	0.13	3.59	6	29	19	7	8	2	14	0.5
515090	Rock	0.72	0.122	17	60	0.67	708	0.51	9.36	0.71	1.49	18	31	<2	12	9	2	18	0.1
515091	Rock	1.17	0.120	17	44	0.91	880	0.48	8.36	1.05	2.14	7	25	2	13	9	2	15	0.1
515092	Rock	3.51	0.092	16	47	1.81	960	0.52	8.85	2.15	1.73	<4	25	<2	16	9	2	17	0.1
515093	Rock	2.97	0.089	15	52	1.49	896	0.53	8.31	1.89	1.74	<4	22	<2	15	8	2	17	0.1
515094	Rock	2.42	0.092	19	39	1.87	837	0.50	8.44	1.49	2.03	<4	19	<2	15	10	2	16	<0.1
515095	Rock	2.67	0.086	16	41	1.62	734	0.48	8.01	1.53	1.51	<4	16	<2	14	8	2	16	<0.1
515096	Rock	4.07	0.086	13	26	1.86	714	0.54	8.36	2.49	1.22	<4	29	<2	16	7	1	17	0.1
515097	Rock	2.86	0.091	13	16	1.55	920	0.52	8.61	2.65	0.83	<4	41	<2	16	7	1	16	0.3
515098	Rock	1.93	0.091	14	13	1.35	836	0.50	8.80	1.94	1.10	<4	40	<2	18	7	1	16	0.2
515099	Rock	4.09	0.083	11	12	2.23	896	0.52	8.65	2.99	0.88	<4	31	<2	15	7	1	17	<0.1
515100	Rock	3.43	0.086	10	12	1.97	879	0.50	8.45	2.76	1.19	<4	35	<2	14	6	1	17	<0.1
515101	Rock	2.91	0.087	11	14	1.13	838	0.52	8.63	2.46	1.13	<4	44	<2	16	7	2	18	<0.1
515102	Rock Pulp	1.20	0.042	7	10	0.21	169	0.09	5.78	1.91	2.61	<4	6	<2	3	3	<1	2	1.1
515103	Rock	3.91	0.081	11	12	2.07	899	0.52	8.25	2.90	0.93	<4	44	<2	15	7	1	16	<0.1
515104	Rock	4.12	0.084	11	16	2.21	832	0.55	8.50	2.89	0.97	<4	50	<2	15	7	1	17	<0.1

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
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CERTIFICATE OF ANALYSIS WHI10000195.1

	Method	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5	5	2
515105	Rock	2.24	<0.005	<2	8	24	175	<0.5	5	14	1437	5.28	10	<20	<4	3	473	0.8	<5	<5	157
515106	Rock	1.98	0.007	<2	13	22	171	<0.5	5	16	1447	5.43	34	<20	<4	5	260	0.6	18	<5	160
515107	Rock	2.53	0.012	2	20	22	116	0.5	5	15	1555	5.34	12	<20	<4	4	463	0.8	7	<5	151

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CERTIFICATE OF ANALYSIS WHI10000195.1

	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S
	Unit	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1
515105	Rock	3.38	0.081	11	15	1.96	898	0.50	8.50	2.57	1.02	<4	46	<2	15	6	1	18	<0.1
515106	Rock	0.94	0.085	14	17	0.92	795	0.45	8.62	1.27	1.10	4	48	<2	15	6	2	19	<0.1
515107	Rock	3.03	0.082	10	15	1.90	871	0.47	7.94	2.83	0.95	<4	44	<2	14	6	1	16	<0.1

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www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

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CERTIFICATE OF ANALYSIS WHI10000230.1

	Method	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5	5	2
515108	Rock	2.21	0.009	<2	16	14	71	<0.5	10	10	751	3.57	17	<20	<4	4	253	1.1	8	<5	120
RE 515108	Rock		0.008	<2	15	14	72	<0.5	10	9	786	3.64	18	<20	<4	6	273	<0.4	8	<5	120
515109	Rock	0.79	0.009	<2	3	<5	19	<0.5	3	<2	225	0.53	<5	<20	<4	<2	50	<0.4	<5	<5	5
515110	Rock	4.16	0.019	<2	11	17	64	<0.5	6	6	893	2.42	69	<20	<4	7	51	0.8	12	<5	72
515111	Rock	1.11	0.009	<2	10	15	55	<0.5	5	5	480	2.00	31	<20	<4	8	119	0.8	8	<5	41
515112	Rock	1.05	0.005	<2	13	25	60	<0.5	5	5	406	1.98	40	<20	<4	6	45	0.7	12	<5	44
515113	Rock	0.68	<0.005	<2	7	14	45	<0.5	4	3	584	1.76	28	<20	<4	8	58	0.6	9	<5	31
515114	Rock	1.09	0.008	<2	12	9	89	<0.5	14	23	365	3.50	66	<20	<4	6	31	1.1	17	<5	176
515115	Rock	1.72	0.012	<2	26	11	67	<0.5	12	20	1057	5.09	48	<20	<4	4	330	1.4	10	<5	162
515116	Rock	1.27	0.050	<2	514	12	99	1.5	10	14	641	4.86	155	<20	<4	5	50	1.1	70	<5	183
515117	Rock	2.58	0.023	<2	17	18	85	<0.5	9	15	1335	4.33	19	<20	<4	5	399	1.3	5	<5	137
515118	Rock	1.53	0.016	<2	9	11	40	<0.5	2	4	759	1.47	57	<20	<4	7	106	0.7	8	<5	30
515119	Rock	2.46	0.014	<2	13	8	62	<0.5	8	12	926	3.43	23	<20	<4	6	288	0.9	<5	<5	96
515120	Rock Pulp	0.14	2.056	8	143	17	152	0.6	39	142	3518	7.81	4631	<20	<4	3	342	2.5	18	46	99
515121	Rock	5.05	0.026	<2	16	13	88	<0.5	8	11	560	3.53	104	<20	<4	6	156	1.2	17	<5	99
515122	Rock	3.98	0.060	<2	17	379	278	1.0	<2	2	320	1.11	102	<20	<4	6	36	2.3	14	<5	15
515123	Rock	2.60	0.111	<2	13	81	294	0.6	3	4	935	1.58	227	<20	<4	7	34	5.2	18	<5	37
515124	Rock	3.12	0.106	<2	10	91	172	<0.5	2	2	941	1.43	233	<20	<4	7	34	3.3	18	<5	22
515125	Rock	1.89	0.154	<2	18	320	334	1.9	<2	<2	718	1.37	201	<20	<4	7	34	3.5	21	<5	15
515126	Rock	2.01	0.028	<2	9	17	42	<0.5	<2	<2	229	1.36	81	<20	<4	8	36	0.8	13	<5	22
515127	Rock	3.33	0.006	<2	9	6	44	<0.5	7	11	528	2.50	24	<20	<4	8	67	0.7	11	<5	93
515128	Rock	2.27	0.021	<2	21	31	60	<0.5	6	6	371	1.91	112	<20	<4	10	68	0.4	19	<5	46
515129	Rock	2.91	0.037	<2	14	73	179	0.8	10	9	935	2.85	1048	<20	<4	9	72	3.8	26	<5	64
515130	Rock	0.48	<0.005	<2	<2	<5	19	<0.5	3	<2	220	0.52	<5	<20	<4	<2	48	<0.4	<5	<5	6
515131	Rock	4.34	0.050	<2	32	101	249	1.0	10	12	982	4.53	74	<20	<4	7	290	6.4	8	<5	114
515132	Rock	3.93	0.097	2	38	268	363	1.2	4	11	1392	5.42	373	<20	<4	7	281	5.0	12	<5	92
515133	Rock	3.27	0.018	<2	39	35	455	<0.5	16	31	1349	4.83	27	<20	<4	5	364	11.1	7	<5	138
515134	Rock	2.65	0.093	<2	65	462	2033	2.1	17	29	1308	5.18	81	<20	<4	6	161	49.1	16	<5	141
515135	Rock	2.47	0.110	3	74	559	1404	3.2	9	25	598	5.57	203	<20	<4	4	153	25.7	20	<5	135
515136	Rock	3.67	0.085	<2	32	561	192	9.0	3	14	546	2.91	113	<20	<4	3	68	5.1	65	15	94

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 07, 2010

CERTIFICATE OF ANALYSIS WHI10000230.1

	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S
	Unit	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1
515108	Rock	2.00	0.083	13	18	1.18	1095	0.37	8.24	1.76	1.94	<4	68	<2	13	7	2	14	<0.1
RE 515108	Rock	2.06	0.081	19	18	1.22	1080	0.39	8.32	1.69	1.93	<4	75	<2	15	10	2	15	<0.1
515109	Rock	21.63	0.020	2	<2	12.78	36	0.02	0.32	0.04	0.12	<4	2	<2	<2	<2	<1	<1	<0.1
515110	Rock	0.57	0.061	19	11	0.46	1094	0.22	6.93	0.54	2.62	<4	52	<2	11	7	2	8	<0.1
515111	Rock	0.63	0.049	19	11	0.45	918	0.15	6.53	1.40	2.49	<4	37	<2	10	8	2	6	<0.1
515112	Rock	0.34	0.048	17	13	0.37	1023	0.16	6.38	0.38	2.57	<4	45	2	9	9	2	6	<0.1
515113	Rock	0.55	0.042	17	3	0.36	903	0.08	6.67	0.87	2.67	<4	45	2	9	9	2	3	<0.1
515114	Rock	0.37	0.106	16	23	0.45	348	0.53	8.78	0.07	0.85	16	58	<2	13	8	2	19	<0.1
515115	Rock	2.44	0.087	13	25	1.63	1028	0.48	8.30	1.91	1.18	<4	48	<2	14	7	2	18	<0.1
515116	Rock	0.50	0.105	18	30	0.84	539	0.48	9.03	0.23	1.56	12	54	3	15	7	2	19	<0.1
515117	Rock	2.74	0.082	14	15	1.72	980	0.43	8.38	2.41	1.54	<4	61	<2	14	8	2	15	<0.1
515118	Rock	0.31	0.048	19	3	0.37	1326	0.14	6.68	0.87	2.86	<4	58	2	9	9	1	4	<0.1
515119	Rock	1.48	0.082	16	15	1.43	944	0.33	8.00	2.08	2.09	<4	63	<2	13	8	2	11	<0.1
515120	Rock Pulp	14.09	0.107	32	56	1.77	618	0.23	5.16	0.88	1.01	20	49	3	18	2	<1	12	0.8
515121	Rock	0.77	0.084	14	13	0.83	1202	0.33	7.62	1.06	2.23	<4	69	<2	12	9	2	10	<0.1
515122	Rock	0.15	0.043	16	<2	0.21	1106	0.07	5.83	0.09	2.94	<4	42	3	7	9	2	2	<0.1
515123	Rock	0.15	0.052	14	5	0.31	1015	0.13	6.98	0.06	3.74	<4	56	<2	9	8	2	5	<0.1
515124	Rock	0.16	0.040	16	3	0.27	1012	0.09	5.54	0.11	3.08	<4	43	5	8	7	1	3	<0.1
515125	Rock	0.12	0.040	15	2	0.22	988	0.07	5.78	0.05	3.08	<4	43	4	8	9	2	2	<0.1
515126	Rock	0.13	0.047	17	2	0.18	902	0.14	6.67	0.06	2.93	5	57	<2	8	9	1	3	<0.1
515127	Rock	0.21	0.070	17	12	0.19	1008	0.32	8.71	0.06	1.72	30	71	<2	12	10	2	10	<0.1
515128	Rock	0.17	0.044	24	8	0.16	1296	0.19	6.72	0.07	2.99	8	41	<2	11	9	1	6	<0.1
515129	Rock	2.43	0.051	23	18	0.74	711	0.23	7.46	0.06	2.87	<4	33	8	12	8	1	9	0.2
515130	Rock	21.51	0.021	2	<2	12.49	41	0.02	0.35	0.04	0.14	<4	2	<2	<2	<2	<1	<1	<0.1
515131	Rock	2.65	0.096	17	16	1.77	904	0.39	7.88	1.29	2.30	<4	78	7	14	9	1	12	0.2
515132	Rock	1.43	0.118	16	3	0.80	786	0.33	7.79	1.30	2.91	<4	73	8	11	9	2	8	0.2
515133	Rock	2.65	0.095	15	23	2.01	964	0.46	8.11	1.75	1.71	<4	57	<2	15	8	2	14	<0.1
515134	Rock	1.14	0.095	18	27	1.67	872	0.46	7.63	0.73	2.22	<4	52	4	15	8	2	14	<0.1
515135	Rock	0.49	0.093	14	17	1.02	731	0.43	7.81	0.74	3.17	<4	38	14	11	7	2	14	0.2
515136	Rock	0.10	0.042	13	11	0.41	512	0.33	7.06	0.06	3.62	<4	39	27	6	7	1	8	0.5

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CERTIFICATE OF ANALYSIS WHI10000230.1

	Method	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5	5	2
515137	Rock	2.00	0.024	<2	42	39	129	<0.5	3	6	262	5.09	27	<20	<4	4	381	1.7	<5	<5	111
515138	Rock	2.17	0.027	<2	20	55	127	<0.5	4	7	311	3.58	23	<20	<4	5	308	1.7	<5	<5	90
515139	Rock	1.87	0.037	<2	39	170	188	1.0	2	4	217	5.06	42	<20	<4	4	213	1.6	<5	<5	123
515140	Rock Pulp	0.15	0.212	296	1878	27	118	15.0	5	6	435	2.12	13	<20	<4	<2	645	1.1	34	<5	33
515141	Rock	1.79	0.023	<2	19	23	155	<0.5	6	8	546	4.38	9	<20	<4	4	491	1.7	<5	7	130
515142	Rock	2.35	0.012	<2	23	75	138	<0.5	11	12	814	5.20	14	<20	<4	5	418	3.3	<5	<5	159
515143	Rock	3.82	0.106	<2	55	258	324	3.0	3	4	116	6.18	300	<20	<4	5	121	1.2	22	9	162
515144	Rock	3.56	0.142	<2	52	340	306	2.4	2	5	306	6.99	412	<20	<4	5	85	0.8	12	15	204
515145	Rock	2.32	0.276	<2	3	194	30	6.8	<2	<2	163	3.51	232	<20	<4	3	43	0.8	21	19	182
515146	Rock	2.21	0.144	<2	39	121	111	4.2	2	3	333	5.42	438	<20	<4	5	362	1.1	16	8	136
RRE 515146	Rock		0.137	<2	40	118	111	4.0	2	3	335	5.42	439	<20	<4	6	353	1.1	17	7	135
515147	Rock	3.35	0.048	<2	68	81	129	0.9	4	<2	343	6.03	449	<20	<4	7	288	1.4	<5	<5	141
515148	Rock	4.06	0.044	<2	47	75	86	0.6	3	<2	255	4.46	138	<20	<4	6	321	0.9	<5	7	129
515149	Rock	2.57	0.023	<2	43	23	111	<0.5	7	9	580	5.13	59	<20	<4	7	401	1.4	6	5	160
515150	Rock	1.15	0.038	<2	37	29	126	<0.5	5	5	340	4.87	35	<20	<4	4	308	0.9	5	<5	148
515151	Rock	3.06	0.032	4	32	45	165	<0.5	8	9	378	5.01	45	<20	<4	5	334	1.3	<5	<5	140
515152	Rock	4.16	0.048	<2	24	58	203	0.8	4	9	367	5.55	58	<20	<4	5	133	0.8	12	8	129
515153	Rock	3.89	0.027	<2	20	68	160	0.9	6	11	654	5.20	38	<20	<4	5	360	1.6	<5	<5	134
515154	Rock	2.04	0.038	<2	22	35	153	<0.5	7	13	735	4.33	27	<20	<4	6	375	1.3	9	<5	135
515155	Rock	1.78	0.030	<2	22	33	154	<0.5	7	15	792	4.55	23	<20	<4	5	410	1.5	<5	<5	140
515156	Rock	1.97	0.150	<2	38	92	145	2.7	5	6	515	4.93	270	<20	<4	6	302	1.6	21	8	137
515157	Rock	2.50	0.029	<2	18	48	131	<0.5	8	11	610	4.45	14	<20	<4	5	428	1.5	<5	5	148
515158	Rock Pulp	0.15	2.085	10	152	15	152	1.0	41	149	3621	7.98	4765	<20	<4	3	362	2.0	19	58	103
515159	Rock	2.82	0.073	<2	60	1031	181	4.6	3	3	326	5.30	124	<20	<4	4	271	1.5	11	<5	131
515160	Rock	2.42	0.048	<2	85	937	435	1.7	9	12	707	5.49	46	<20	<4	5	241	2.8	9	<5	151
515161	Rock	2.90	0.028	<2	41	70	391	0.9	18	54	2443	6.03	28	<20	<4	7	425	5.8	<5	7	209
515162	Rock	2.42	0.032	<2	41	61	454	<0.5	17	46	2235	5.19	33	<20	<4	8	356	9.5	6	5	201
515163	Rock	2.96	0.102	<2	104	67	299	1.1	15	31	1409	5.29	19	<20	<4	7	475	6.5	6	<5	187
515164	Rock	1.99	0.092	<2	37	30	117	<0.5	16	16	926	4.55	12	<20	<4	9	523	1.7	<5	7	166
515165	Rock	2.34	0.052	<2	25	82	135	1.5	21	20	1013	4.64	19	<20	<4	9	516	2.1	<5	<5	163

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 07, 2010

CERTIFICATE OF ANALYSIS WHI10000230.1

	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S
	Unit	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1
515137	Rock	0.96	0.075	14	16	1.00	1015	0.38	6.96	2.50	2.19	<4	37	3	7	7	1	11	0.6
515138	Rock	1.10	0.067	13	13	1.19	793	0.31	6.50	2.06	2.04	<4	35	<2	10	7	1	10	0.6
515139	Rock	0.46	0.071	16	15	0.71	1052	0.37	6.82	1.07	3.30	<4	30	6	8	7	1	12	0.5
515140	Rock Pulp	1.97	0.041	7	8	0.23	662	0.13	7.76	3.24	2.03	<4	9	<2	4	<2	1	2	0.4
515141	Rock	1.63	0.078	16	17	1.70	227	0.42	8.61	2.65	2.21	<4	33	<2	14	7	1	14	1.1
515142	Rock	3.26	0.081	18	21	1.70	641	0.40	9.15	1.99	2.12	<4	22	<2	19	6	1	16	0.2
515143	Rock	0.23	0.081	21	23	0.42	639	0.42	9.85	0.13	4.21	<4	22	17	11	6	1	15	0.5
515144	Rock	0.06	0.116	22	12	0.63	405	0.46	11.45	0.03	5.71	<4	37	72	8	6	2	18	0.5
515145	Rock	0.02	0.025	6	20	0.84	674	0.65	14.60	0.03	7.97	11	65	167	<2	12	3	20	0.9
515146	Rock	0.81	0.088	19	15	0.82	140	0.47	8.76	1.44	3.44	<4	31	11	9	8	1	13	0.8
RRE 515146	Rock	0.80	0.089	19	14	0.82	151	0.46	8.68	1.45	3.47	<4	30	11	9	7	1	13	0.8
515147	Rock	0.71	0.130	23	17	1.02	745	0.40	9.48	1.22	2.86	<4	29	2	8	7	1	16	0.5
515148	Rock	0.71	0.113	19	17	1.18	945	0.39	8.67	1.76	2.04	<4	38	2	7	7	1	16	0.2
515149	Rock	1.94	0.085	19	15	1.54	1028	0.47	8.97	2.38	1.95	<4	33	<2	17	8	1	16	0.2
515150	Rock	1.09	0.076	14	15	1.24	1019	0.43	9.36	2.05	1.96	<4	26	<2	11	7	1	16	<0.1
515151	Rock	1.50	0.082	16	20	1.03	998	0.42	9.16	2.05	1.76	<4	25	<2	14	6	1	15	<0.1
515152	Rock	0.34	0.083	20	16	0.61	809	0.41	9.09	0.54	2.50	<4	26	2	10	7	1	14	0.2
515153	Rock	1.66	0.073	18	11	1.40	987	0.39	8.94	1.97	2.25	<4	34	<2	19	6	1	14	0.2
515154	Rock	1.78	0.076	17	16	1.60	1299	0.42	9.53	2.02	2.41	<4	30	<2	16	6	1	15	0.1
515155	Rock	2.03	0.077	18	19	1.60	1009	0.41	9.46	2.23	2.04	<4	28	<2	18	7	1	16	0.2
515156	Rock	1.13	0.077	22	14	1.28	940	0.40	9.79	1.30	4.04	4	29	9	14	6	1	16	0.4
515157	Rock	2.26	0.080	16	18	1.88	335	0.43	8.97	2.27	2.15	<4	35	<2	18	6	1	16	0.7
515158	Rock Pulp	14.02	0.110	34	53	1.86	544	0.24	5.20	0.90	1.04	19	50	2	19	2	<1	12	0.7
515159	Rock	1.00	0.077	19	13	1.13	204	0.41	8.63	1.26	3.43	<4	35	10	12	6	1	14	0.8
515160	Rock	1.19	0.078	19	27	1.71	1249	0.44	8.78	1.28	1.86	<4	37	<2	16	7	1	17	0.2
515161	Rock	2.52	0.091	22	24	2.59	1101	0.58	9.33	1.97	1.91	<4	63	<2	22	7	1	21	<0.1
515162	Rock	2.91	0.095	26	26	2.37	680	0.61	10.19	1.62	1.52	<4	67	<2	24	9	2	23	<0.1
515163	Rock	3.92	0.095	21	24	2.46	890	0.58	10.10	2.44	1.43	<4	66	<2	22	8	1	22	0.1
515164	Rock	4.22	0.090	23	35	1.99	837	0.53	10.26	2.37	1.70	<4	67	<2	20	9	1	19	0.2
515165	Rock	3.96	0.091	26	43	2.51	937	0.52	9.80	2.13	1.79	<4	64	<2	20	8	1	19	0.1

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Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 07, 2010

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CERTIFICATE OF ANALYSIS WHI10000230.1

	Method	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5	5	2
515166	Rock	2.50	0.074	<2	58	141	318	1.5	23	27	1540	5.15	76	<20	<4	7	383	5.6	5	6	168
RE 515166	Rock		0.068	<2	58	137	325	1.6	23	27	1593	5.25	76	<20	<4	7	389	5.6	8	<5	173
515167	Rock	2.25	0.093	<2	63	2952	1034	9.2	10	13	541	5.31	111	<20	<4	6	194	8.7	24	<5	137
515168	Rock	3.40	0.293	5	89	784	900	3.9	17	25	1505	5.38	102	<20	<4	7	347	11.5	11	5	166
515169	Rock	3.71	0.414	<2	153	7769	861	29.4	8	7	878	6.31	585	<20	<4	2	152	5.4	146	<5	148
515170	Rock	2.07	0.082	<2	116	693	1295	1.9	25	54	2601	5.67	47	<20	<4	9	226	17.3	11	<5	168
515171	Rock	0.44	<0.005	<2	<2	16	19	<0.5	3	<2	230	0.55	<5	<20	<4	<2	52	<0.4	<5	<5	6
515172	Rock	1.95	0.019	<2	24	236	130	1.0	21	14	910	4.35	51	<20	<4	10	474	2.4	<5	<5	146
515173	Rock	2.73	0.009	<2	23	42	87	0.6	18	12	832	3.83	50	<20	<4	7	462	0.6	<5	<5	132
515174	Rock	2.66	0.021	<2	20	52	86	<0.5	19	12	856	4.03	42	<20	<4	8	484	0.7	<5	<5	134
515175	Rock	2.74	0.041	<2	38	115	198	1.8	21	13	1067	4.49	60	<20	<4	8	419	1.8	10	<5	148
515176	Rock	2.11	0.091	<2	43	248	274	3.1	23	16	1683	4.67	62	<20	<4	8	429	3.7	6	<5	145
515177	Rock	2.96	1.711	<2	2089	2495	2641	59.8	12	7	3913	6.19	3875	<20	<4	3	202	40.2	721	54	62
515178	Rock	4.13	1.249	<2	1972	1557	2266	29.6	12	8	4003	5.24	2655	<20	<4	3	152	31.2	282	28	52

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

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CERTIFICATE OF ANALYSIS WHI10000230.1

	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S
	Unit	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1
515166	Rock	2.63	0.095	22	37	1.80	1310	0.50	9.73	1.39	2.22	<4	62	<2	17	7	1	19	0.1
RE 515166	Rock	2.66	0.096	20	36	1.84	1354	0.53	9.49	1.42	2.27	<4	64	<2	16	7	2	18	0.1
515167	Rock	0.77	0.095	24	23	0.74	1084	0.47	9.71	0.65	2.86	<4	74	7	12	8	2	13	0.3
515168	Rock	2.07	0.085	26	40	1.25	1010	0.49	9.33	1.31	2.03	<4	61	2	17	7	2	20	0.2
515169	Rock	0.23	0.083	24	36	0.55	149	0.47	9.31	0.13	4.13	<4	46	17	9	7	2	17	0.9
515170	Rock	1.40	0.093	26	55	1.14	857	0.51	9.43	0.90	1.86	<4	47	<2	21	9	2	21	<0.1
515171	Rock	20.90	0.021	3	3	12.49	41	0.02	0.50	0.04	0.12	<4	2	<2	<2	<2	<1	1	<0.1
515172	Rock	3.12	0.089	32	43	1.71	1116	0.51	9.19	2.07	2.08	<4	70	<2	20	9	1	17	<0.1
515173	Rock	2.97	0.088	21	35	1.50	1117	0.48	7.96	2.07	2.13	<4	72	3	16	9	2	15	<0.1
515174	Rock	3.02	0.087	22	39	1.64	1129	0.48	8.15	2.11	2.13	<4	74	3	17	10	2	15	<0.1
515175	Rock	2.80	0.089	24	51	1.56	998	0.50	8.51	1.94	2.13	<4	60	3	17	9	2	17	<0.1
515176	Rock	2.94	0.093	23	54	1.63	983	0.51	8.08	2.07	1.70	<4	46	<2	17	9	1	16	0.1
515177	Rock	2.59	0.063	14	20	0.55	771	0.13	7.29	0.10	2.66	<4	46	7	9	4	1	7	2.4
515178	Rock	2.33	0.061	14	19	0.46	362	0.15	5.93	0.10	2.19	<4	39	4	8	4	1	6	1.7

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www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 03, 2010

CERTIFICATE OF ANALYSIS WHI10000231.1

Method		WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
Unit		kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5	5	2
523148	Drill Core	2.47	0.090	<2	20	69	349	2.2	5	3	294	1.89	450	<20	<4	4	76	2.4	62	<5	54
523149	Drill Core	1.14	0.325	<2	42	772	367	10.3	2	<2	131	3.43	1539	<20	<4	3	97	11.1	214	<5	152
RRE 523149	Drill Core		0.336	<2	41	763	354	9.6	3	<2	125	3.36	1493	<20	<4	3	94	10.7	209	<5	153
523150	Drill Core	1.39	1.135	<2	46	6400	331	46.2	3	<2	220	3.44	3022	<20	<4	<2	166	9.1	505	<5	257
523151	Drill Core	0.85	4.368	<2	174	2605	433	>200	<2	<2	81	1.90	3800	<20	27	<2	156	30.7	2170	<5	67
523152	Drill Core	1.05	2.455	3	115	775	119	39.8	<2	<2	156	1.32	1524	<20	<4	<2	73	6.0	271	<5	88
523153	Drill Core	0.37	1.538	<2	39	246	116	46.1	<2	<2	102	1.04	1231	<20	<4	<2	36	7.9	179	<5	30
523154	Drill Core	0.95	0.355	<2	602	241	2447	25.2	18	10	580	7.29	3508	<20	<4	2	53	42.3	240	<5	195
523155	Core Pulp	0.10	0.202	307	1785	27	122	14.4	4	6	408	1.77	12	<20	<4	<2	601	<0.4	35	<5	31
523156	Drill Core	2.45	0.084	<2	201	100	1546	2.5	10	9	453	5.60	1660	<20	<4	4	72	28.3	135	<5	180
523157	Drill Core	1.96	0.027	<2	102	9	1555	1.3	14	18	815	6.51	1598	<20	<4	<2	166	25.8	94	<5	221
523158	Drill Core	2.01	0.010	<2	102	573	1369	2.2	11	16	833	5.72	1043	<20	<4	2	228	17.5	68	<5	181
523159	Drill Core	1.34	0.023	10	268	105	1566	10.2	13	10	436	5.25	1663	<20	<4	2	68	36.1	190	<5	167
523160	Drill Core	1.90	<0.005	4	164	85	1178	4.2	23	18	1066	7.32	1631	<20	<4	<2	154	17.3	105	<5	269
523161	Drill Core	1.45	0.005	<2	154	34	958	<0.5	21	20	1162	6.66	915	<20	<4	<2	211	9.5	33	<5	282
523162	Drill Core	1.89	<0.005	<2	158	28	1077	<0.5	13	15	1009	5.48	1168	<20	<4	<2	245	16.0	64	<5	202
523163	Drill Core	0.62	<0.005	<2	219	21	1662	<0.5	17	15	1077	7.03	2874	<20	<4	<2	121	37.4	104	<5	275
523164	Drill Core	0.78	0.351	2	462	3500	1276	122.5	5	4	297	6.85	3369	<20	<4	<2	152	27.9	1677	<5	279
523165	Drill Core	1.37	0.368	<2	11	431	42	6.0	<2	<2	134	3.55	673	<20	<4	<2	106	0.6	244	<5	124
523166	Drill Core	1.86	0.404	2	16	394	79	3.4	<2	<2	139	3.71	276	<20	<4	<2	136	0.5	67	<5	243
523167	Drill Core	0.41	0.006	<2	<2	<5	9	<0.5	<2	<2	245	0.53	<5	<20	<4	<2	47	<0.4	<5	<5	6
523168	Drill Core	1.24	0.262	2	83	2216	86	9.8	<2	<2	175	1.96	360	<20	<4	<2	112	3.2	65	<5	187
523169	Drill Core	0.88	0.179	<2	33	591	90	3.2	<2	<2	196	2.71	186	<20	<4	<2	91	0.5	44	<5	226
523170	Drill Core	1.97	0.021	<2	66	190	1087	0.7	<2	6	377	5.74	455	<20	<4	<2	139	5.7	32	<5	109
523171	Drill Core	1.92	0.136	<2	14	918	94	4.0	<2	<2	131	1.92	146	<20	<4	<2	66	1.1	40	<5	62
523172	Drill Core	1.82	0.005	<2	10	22	354	<0.5	<2	<2	127	2.60	280	<20	<4	4	88	2.6	30	<5	23
RE 523172	Drill Core		0.007	<2	9	23	346	<0.5	<2	<2	123	2.52	273	<20	<4	5	83	2.5	29	<5	22
523173	Drill Core	1.94	0.010	<2	12	14	549	<0.5	<2	6	850	2.85	157	<20	<4	4	32	7.3	16	<5	23
523174	Drill Core	2.94	0.027	<2	4	30	125	<0.5	<2	<2	78	1.84	80	<20	<4	4	63	0.7	15	<5	17
523175	Drill Core	1.38	0.012	<2	5	<5	132	<0.5	<2	<2	122	2.38	36	<20	<4	4	136	<0.4	7	<5	33

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PO Box 11604
Vancouver BC V6B 4N9 Canada

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CERTIFICATE OF ANALYSIS WHI10000231.1

Method		1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	G6Gr
Analyte		Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S	Ag
Unit		%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	gm/mt
MDL		0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1	50
523148	Drill Core	0.57	0.038	11	6	0.48	999	0.21	5.36	2.26	1.50	<4	17	3	12	7	1	10	<0.1	
523149	Drill Core	0.19	0.041	12	15	0.36	814	0.36	6.31	0.21	2.56	<4	7	3	7	6	<1	15	0.6	
RRE 523149	Drill Core	0.18	0.040	11	15	0.35	799	0.37	6.22	0.19	2.84	<4	7	4	6	6	<1	14	0.6	
523150	Drill Core	0.12	0.066	3	27	0.38	464	0.47	7.28	0.02	3.18	7	6	5	3	3	<1	22	0.7	
523151	Drill Core	0.06	0.013	<2	4	0.14	354	0.17	2.72	0.01	1.14	<4	3	8	5	<2	<1	8	0.5	193
523152	Drill Core	0.06	0.008	9	13	0.17	810	0.22	4.16	0.02	2.09	6	9	4	4	4	<1	12	0.3	
523153	Drill Core	0.06	0.007	6	4	0.10	989	0.09	2.11	0.03	0.97	<4	3	3	3	3	<1	5	0.1	
523154	Drill Core	0.13	0.063	7	13	0.14	259	0.33	6.12	<0.01	0.87	10	13	<2	10	3	2	23	0.1	
523155	Core Pulp	1.80	0.038	10	8	0.22	890	0.12	6.30	3.09	1.82	<4	8	<2	4	<2	1	2	0.4	
523156	Drill Core	0.23	0.059	10	10	0.56	396	0.40	6.59	0.07	1.75	<4	35	2	13	4	1	18	0.3	
523157	Drill Core	2.05	0.065	9	18	1.23	406	0.48	6.94	1.72	1.38	<4	6	4	19	3	<1	23	0.1	
523158	Drill Core	1.65	0.067	13	10	1.90	397	0.38	6.45	2.04	1.41	<4	40	2	12	4	1	16	1.0	
523159	Drill Core	0.20	0.060	8	19	0.44	530	0.40	6.30	0.14	1.35	20	29	<2	13	4	1	17	0.2	
523160	Drill Core	2.71	0.067	8	66	2.56	391	0.47	7.36	2.19	1.47	11	6	<2	13	3	<1	24	0.7	
523161	Drill Core	3.55	0.064	8	26	2.83	232	0.45	7.62	2.93	1.17	<4	6	<2	15	2	<1	26	0.6	
523162	Drill Core	2.45	0.057	7	19	2.34	641	0.38	7.21	3.17	1.43	<4	6	2	10	3	<1	18	0.3	
523163	Drill Core	3.05	0.067	7	43	2.52	455	0.49	7.49	1.84	1.32	<4	4	3	13	3	<1	24	0.1	
523164	Drill Core	0.26	0.049	5	45	0.68	768	0.48	7.32	0.11	2.89	<4	5	6	4	3	1	26	0.7	
523165	Drill Core	0.07	0.017	4	5	0.23	272	0.44	5.99	0.12	3.61	16	10	7	<2	5	<1	13	1.1	
523166	Drill Core	0.13	0.039	3	3	0.28	220	0.63	7.36	0.04	3.58	20	<2	3	<2	4	<1	26	1.1	
523167	Drill Core	21.10	0.018	<2	6	12.03	35	0.02	0.21	0.03	0.11	<4	<2	<2	<2	<2	<1	<1	<0.1	
523168	Drill Core	0.11	0.045	9	4	0.19	1163	0.49	6.82	0.03	3.53	21	3	3	3	3	<1	21	0.6	
523169	Drill Core	0.14	0.029	5	5	0.23	1174	0.60	7.87	0.03	4.25	16	4	5	2	4	<1	22	0.7	
523170	Drill Core	1.16	0.124	11	4	0.27	685	0.46	7.52	0.19	2.03	<4	5	3	18	4	1	22	0.5	
523171	Drill Core	0.06	0.026	9	<2	0.17	938	0.42	6.44	0.03	3.14	17	<2	<2	4	4	<1	15	0.5	
523172	Drill Core	0.07	0.037	10	<2	0.19	1243	0.19	5.92	0.04	2.34	<4	17	3	9	4	<1	9	0.3	
RE 523172	Drill Core	0.07	0.036	10	<2	0.19	1195	0.18	5.55	0.04	2.41	<4	17	<2	8	4	<1	8	0.2	
523173	Drill Core	0.17	0.036	11	<2	0.35	1072	0.20	5.20	0.06	3.04	<4	22	3	9	4	1	9	0.4	
523174	Drill Core	0.13	0.021	12	<2	0.15	1128	0.13	5.31	0.96	2.55	<4	19	3	4	3	<1	6	0.3	
523175	Drill Core	0.30	0.039	14	2	0.25	1107	0.17	5.57	0.86	3.28	<4	17	3	5	4	1	6	0.3	

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 03, 2010

CERTIFICATE OF ANALYSIS WHI10000231.1

	Method	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5	5	2
523176	Drill Core	1.77	0.287	<2	4	142	579	0.8	3	6	3365	2.97	113	<20	<4	5	29	7.9	15	<5	24
523177	Drill Core	0.87	0.192	<2	6	216	16	1.0	<2	<2	68	0.90	27	<20	<4	2	41	<0.4	29	<5	28
523178	Drill Core	1.62	0.018	<2	2	136	68	<0.5	<2	<2	102	1.23	29	<20	<4	3	54	<0.4	18	<5	19
523179	Core Pulp	0.10	2.063	10	151	20	156	0.9	41	150	3627	8.24	4860	<20	<4	2	357	2.2	16	52	101
523180	Drill Core	1.42	0.005	<2	5	20	176	<0.5	2	3	1057	2.84	19	<20	<4	4	309	2.3	<5	<5	34

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 03, 2010

CERTIFICATE OF ANALYSIS WHI10000231.1

Method		1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	G6Gr
Analyte		Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S	Ag
Unit		%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	gm/mt
MDL		0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1	50
523176	Drill Core	0.14	0.029	14	<2	0.39	1079	0.17	5.71	0.06	3.57	<4	33	3	14	4	1	8	0.6	
523177	Drill Core	0.04	0.013	8	<2	0.20	1746	0.16	5.05	0.04	2.99	4	11	<2	<2	5	<1	5	0.2	
523178	Drill Core	0.06	0.015	8	<2	0.25	1276	0.12	5.56	0.05	2.50	<4	25	3	3	4	<1	4	0.2	
523179	Core Pulp	14.78	0.110	34	59	1.84	430	0.24	5.30	0.90	1.04	22	50	3	19	3	<1	12	0.8	
523180	Drill Core	1.25	0.050	13	4	0.57	221	0.17	7.28	2.02	2.18	<4	15	<2	11	4	1	7	0.8	

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 07, 2010

CERTIFICATE OF ANALYSIS WHI10000232.1

	Method	G6Gr	G6Gr	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Ag	Au	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb
	Unit	gm/mt	gm/mt	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	50	0.9	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5
523181	Drill Core			1.77	<0.005	<2	50	113	835	<0.5	2	5	288	4.29	774	<20	<4	6	127	4.8	19
523182	Drill Core			3.51	0.012	<2	53	50	557	<0.5	<2	<2	128	3.44	1152	<20	<4	4	80	7.4	59
523183	Drill Core			2.37	0.007	<2	55	9	504	<0.5	<2	<2	100	3.16	970	<20	<4	3	50	6.6	26
523184	Drill Core			3.94	0.007	<2	97	104	719	<0.5	3	3	315	2.71	522	<20	<4	5	58	18.3	38
523185	Drill Core			3.51	0.005	<2	73	66	314	<0.5	2	<2	104	2.66	473	<20	<4	4	62	2.4	16
523186	Drill Core			1.68	<0.005	<2	30	<5	481	<0.5	<2	<2	160	3.35	766	<20	<4	4	67	1.6	11
523187	Drill Core			2.61	1.341	<2	33	1115	86	9.2	<2	<2	114	2.30	1283	<20	<4	3	81	2.3	312
523188	Drill Core	<50	35.6	4.52	>10	6	22	1429	47	18.1	<2	<2	100	1.96	306	<20	33	2	73	1.7	165
523189	Drill Core	1264	1.8	0.69	1.661	<2	725	>10000	642	>200	<2	<2	83	3.00	3176	<20	<4	<2	39	107.7	>4000
523190	Drill Core			0.84	0.045	<2	4	29	15	2.1	<2	<2	241	0.49	<5	<20	<4	<2	42	<0.4	<5
523191	Drill Core			2.89	0.076	<2	10	121	39	3.8	<2	<2	90	1.46	152	<20	<4	4	29	0.8	60
523192	Drill Core			1.32	0.010	<2	18	17	557	<0.5	3	<2	157	3.73	472	<20	<4	8	34	0.9	35
523193	Drill Core			1.52	0.007	<2	4	29	102	0.7	<2	<2	82	1.20	51	<20	<4	4	34	0.4	22
523194	Drill Core			3.18	0.008	<2	7	35	111	<0.5	<2	<2	103	1.84	59	<20	<4	4	38	0.6	20
523195	Drill Core			4.87	0.037	<2	10	23	156	<0.5	3	3	828	2.15	45	<20	<4	5	33	1.7	18
RRE 523195	Drill Core				0.044	<2	10	19	154	<0.5	3	2	791	2.03	45	<20	<4	5	32	1.8	15
523196	Drill Core			4.36	0.023	<2	15	27	477	<0.5	5	3	1560	2.48	149	<20	<4	5	25	9.0	19
523197	Drill Core			3.34	0.006	<2	5	60	495	<0.5	6	3	642	2.70	120	<20	<4	5	44	4.3	27
523198	Drill Core			1.68	0.067	<2	21	161	2049	1.8	5	4	2169	4.02	176	<20	<4	4	39	28.2	70
523199	Drill Core			2.81	0.398	<2	30	583	232	2.3	<2	<2	83	2.58	839	<20	<4	3	29	9.9	97
523200	Drill Core			2.68	0.333	<2	4	217	1650	0.8	9	5	1525	4.28	202	<20	<4	5	35	26.8	16
523201	Core Pulp			0.10	5.903	3	123	14	78	86.9	9	15	1084	4.45	102	<20	7	4	454	1.0	<5

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 07, 2010

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CERTIFICATE OF ANALYSIS WHI10000232.1

	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S
	Unit	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	5	2	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1
523181	Drill Core	<5	78	0.55	0.071	13	5	0.61	1488	0.31	7.88	0.68	2.46	<4	5	4	13	6	1	13	0.2
523182	Drill Core	<5	61	0.13	0.045	12	4	0.29	1110	0.20	7.56	0.12	2.88	<4	13	2	9	4	1	13	0.2
523183	Drill Core	<5	32	0.16	0.037	11	<2	0.31	1022	0.16	6.98	0.24	3.07	<4	20	4	7	3	<1	12	0.3
523184	Drill Core	<5	37	0.17	0.057	13	9	0.34	1181	0.16	6.74	0.09	3.12	<4	13	2	7	3	1	8	0.6
523185	Drill Core	<5	29	0.08	0.042	10	<2	0.31	2286	0.15	6.89	0.06	3.15	<4	27	<2	4	4	1	7	0.4
523186	Drill Core	<5	27	0.10	0.047	12	<2	0.28	997	0.15	7.60	0.05	2.82	6	28	<2	5	4	1	9	0.4
523187	Drill Core	<5	34	0.08	0.022	13	<2	0.31	1001	0.15	7.19	0.04	3.52	5	15	5	3	4	<1	7	0.5
523188	Drill Core	<5	28	0.06	0.026	8	13	0.22	1192	0.10	5.98	0.03	3.05	<4	15	<2	2	<2	<1	8	0.5
523189	Drill Core	7	12	0.05	0.083	5	<2	0.06	183	0.03	2.32	0.02	1.25	<4	4	15	<2	<2	<1	3	1.3
523190	Drill Core	<5	<2	21.94	0.014	<2	<2	12.95	58	<0.01	0.04	<0.01	0.02	<4	<2	<2	<2	<2	<1	<1	<0.1
523191	Drill Core	<5	33	0.06	0.013	14	<2	0.23	1190	0.15	8.00	0.03	3.57	4	16	<2	3	3	<1	9	0.4
523192	Drill Core	<5	36	0.15	0.049	19	<2	0.37	969	0.20	9.56	0.04	3.63	<4	12	<2	5	5	1	15	0.4
523193	Drill Core	<5	12	0.07	0.013	11	<2	0.31	843	0.14	6.91	0.04	3.40	<4	18	<2	4	4	<1	9	0.2
523194	Drill Core	<5	39	0.08	0.015	14	<2	0.32	1721	0.19	7.96	0.06	3.97	<4	16	<2	3	5	<1	8	0.5
523195	Drill Core	<5	44	0.48	0.022	16	3	0.43	708	0.24	8.24	0.06	4.06	<4	17	<2	6	5	<1	11	0.7
RRE 523195	Drill Core	<5	43	0.47	0.020	16	4	0.42	794	0.22	7.87	0.06	3.91	<4	16	<2	6	5	<1	11	0.7
523196	Drill Core	<5	25	1.06	0.021	13	<2	0.73	289	0.16	8.55	0.07	3.88	<4	14	<2	10	3	1	8	1.2
523197	Drill Core	<5	18	1.09	0.025	11	9	0.59	66	0.12	7.55	0.05	2.01	<4	5	<2	7	3	1	7	1.8
523198	Drill Core	<5	18	0.89	0.024	10	<2	0.48	71	0.12	7.86	0.09	3.23	<4	7	<2	10	3	1	8	3.1
523199	Drill Core	<5	15	0.04	0.012	10	<2	0.26	121	0.10	6.77	0.08	3.25	<4	8	3	3	3	<1	7	2.0
523200	Drill Core	<5	18	0.82	0.028	11	16	0.64	74	0.13	7.63	0.09	3.23	<4	7	<2	8	3	1	9	2.7
523201	Core Pulp	12	139	4.68	0.060	10	13	1.63	655	0.33	8.89	2.46	1.48	6	18	4	19	4	<1	18	<0.1

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 07, 2010

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CERTIFICATE OF ANALYSIS WHI10000232.1

		Method	7TD
		Analyte	Pb
		Unit	%
		MDL	0.02
523181	Drill Core		
523182	Drill Core		
523183	Drill Core		
523184	Drill Core		
523185	Drill Core		
523186	Drill Core		
523187	Drill Core		
523188	Drill Core		
523189	Drill Core	1.96	
523190	Drill Core		
523191	Drill Core		
523192	Drill Core		
523193	Drill Core		
523194	Drill Core		
523195	Drill Core		
RRE 523195	Drill Core		
523196	Drill Core		
523197	Drill Core		
523198	Drill Core		
523199	Drill Core		
523200	Drill Core		
523201	Core Pulp		

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: August 31, 2010

CERTIFICATE OF ANALYSIS WHI10000233.1

Method		WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
Unit		kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5	5	2
523202	Drill Core	1.01	0.090	3	7	125	37	1.3	<2	<2	111	1.03	105	<20	<4	7	72	0.6	58	<5	19
523203	Drill Core	0.68	0.849	<2	36	1572	737	11.2	2	<2	144	2.07	580	<20	<4	2	42	9.0	408	<5	98
523204	Drill Core	1.07	0.136	<2	7	92	111	1.3	<2	<2	125	1.74	239	<20	<4	3	31	1.2	42	<5	170
523205	Drill Core	1.05	0.162	<2	10	770	86	3.7	<2	<2	105	1.01	136	<20	<4	<2	35	1.2	68	<5	117
523206	Drill Core	0.86	0.149	<2	7	451	183	2.1	<2	<2	398	1.63	223	<20	<4	<2	30	1.5	76	<5	120
523207	Drill Core	1.21	0.038	<2	29	123	319	3.0	8	6	619	5.56	236	<20	<4	2	218	2.4	35	<5	193
RE 523207	Drill Core		0.033	<2	28	119	316	3.0	7	6	614	5.49	233	<20	<4	2	216	2.5	34	<5	190
523208	Drill Core	1.88	0.010	3	35	34	898	0.7	10	7	687	8.95	710	<20	<4	3	169	3.9	51	<5	219
523209	Drill Core	1.92	0.008	<2	38	21	465	1.9	5	3	301	6.22	476	<20	<4	<2	79	2.2	50	<5	135
523210	Drill Core	1.92	0.020	<2	19	20	423	1.1	3	3	229	2.82	491	<20	<4	<2	85	1.8	37	<5	108
523211	Drill Core	0.94	0.045	<2	45	37	290	3.4	3	<2	197	4.72	826	<20	<4	3	136	1.8	134	<5	110
523212	Drill Core	0.47	<0.005	<2	3	<5	19	0.5	3	<2	224	0.51	<5	<20	<4	<2	50	<0.4	<5	<5	5
523213	Drill Core	0.95	0.946	<2	23	4256	69	17.0	<2	<2	149	1.74	1520	<20	<4	<2	70	11.0	833	<5	65
523214	Drill Core	0.86	0.616	<2	20	2113	93	5.8	<2	<2	533	2.45	1230	<20	<4	<2	174	2.7	238	<5	63
523215	Drill Core	1.31	0.293	<2	25	242	395	6.4	4	<2	309	4.07	707	<20	<4	3	94	2.2	66	<5	89
523216	Drill Core	0.49	0.044	3	22	68	185	3.8	4	<2	146	3.52	437	<20	<4	4	70	1.8	63	<5	78
523217	Drill Core	1.51	0.171	<2	19	30	82	5.9	2	<2	102	2.07	479	<20	<4	3	69	1.9	64	<5	95
523218	Drill Core	0.81	2.895	<2	19	37	64	3.1	<2	<2	140	1.74	415	<20	<4	2	60	1.7	81	<5	88
523219	Drill Core	0.61	5.675	<2	63	52	24	7.4	<2	<2	88	1.38	532	<20	6	3	60	5.2	266	<5	76
523220	Drill Core	1.83	0.229	<2	617	152	232	>200	4	<2	157	3.49	1019	<20	<4	3	100	3.9	115	18	94
523221	Drill Core	2.51	0.069	<2	18	79	78	2.9	<2	<2	98	1.78	348	<20	<4	<2	55	1.4	91	7	78
523222	Drill Core	1.91	0.149	<2	8	24	28	1.0	<2	<2	89	1.52	250	<20	<4	2	60	2.1	43	<5	29
523223	Core Pulp	0.10	0.221	308	1876	36	124	15.3	5	6	435	1.86	19	<20	<4	2	624	1.1	37	<5	33
523224	Drill Core	2.61	0.081	<2	21	100	90	1.9	3	<2	134	2.51	295	<20	<4	3	79	4.0	55	6	56
523225	Drill Core	2.62	0.129	<2	19	140	268	1.7	4	5	234	4.06	623	<20	<4	5	66	6.1	43	<5	89
523226	Drill Core	2.77	0.069	<2	9	183	243	0.7	2	<2	112	1.73	407	<20	<4	6	25	1.6	64	<5	13
523227	Drill Core	1.55	0.104	<2	21	80	169	0.6	3	<2	81	1.20	403	<20	<4	4	25	6.6	36	<5	12
523228	Drill Core	1.96	0.032	<2	66	213	430	0.9	7	4	203	3.48	438	<20	<4	5	38	3.7	56	6	69
523229	Drill Core	2.22	0.009	5	123	49	171	0.9	8	3	93	3.96	144	<20	<4	3	50	1.2	107	13	150
523230	Drill Core	1.22	0.005	3	180	23	624	0.6	15	11	1772	4.56	186	<20	<4	3	59	4.4	108	13	138

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: August 31, 2010

CERTIFICATE OF ANALYSIS WHI10000233.1

Method		1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	G6Gr
Analyte		Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S	Ag
Unit		%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	gm/mt
MDL		0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1	50
523202	Drill Core	0.18	0.014	15	5	0.17	2279	0.07	5.13	0.18	2.61	<4	32	3	5	4	<1	3	<0.1	
523203	Drill Core	0.07	0.024	8	18	0.19	528	0.22	5.19	0.03	2.47	<4	6	3	4	2	<1	10	0.4	
523204	Drill Core	0.09	0.019	4	22	0.22	1321	0.36	6.60	0.03	3.00	9	4	<2	3	3	<1	15	0.2	
523205	Drill Core	0.06	0.019	5	29	0.22	1109	0.26	6.05	0.03	2.84	8	7	3	3	3	<1	10	0.1	
523206	Drill Core	0.08	0.020	3	15	0.28	1415	0.28	7.53	0.02	3.80	5	7	2	2	3	<1	13	0.1	
523207	Drill Core	1.61	0.084	7	27	1.12	316	0.40	7.69	1.62	2.37	18	5	<2	10	2	<1	25	0.6	
RE 523207	Drill Core	1.61	0.084	7	26	1.10	315	0.40	7.73	1.61	2.31	14	5	<2	10	2	<1	25	0.6	
523208	Drill Core	0.83	0.132	9	22	0.76	197	0.46	7.81	0.68	2.96	6	5	<2	13	3	1	26	1.1	
523209	Drill Core	0.20	0.067	7	8	0.21	196	0.47	7.45	0.03	3.61	11	4	<2	7	3	<1	22	1.2	
523210	Drill Core	0.10	0.045	6	15	0.16	1299	0.40	6.41	0.11	3.29	6	9	<2	5	3	1	20	0.3	
523211	Drill Core	0.17	0.055	10	11	0.22	291	0.25	6.32	0.03	3.04	8	14	<2	6	3	<1	14	0.7	
523212	Drill Core	21.86	0.018	2	2	13.07	41	0.02	0.35	0.04	0.13	<4	<2	<2	<2	<2	<1	<1	<0.1	
523213	Drill Core	0.08	0.029	14	8	0.16	743	0.23	4.47	0.02	2.09	<4	16	5	5	4	<1	10	0.3	
523214	Drill Core	0.15	0.042	12	7	0.17	625	0.20	4.65	0.02	2.01	<4	9	5	5	4	<1	8	0.5	
523215	Drill Core	0.22	0.073	10	14	0.37	375	0.25	6.61	0.02	2.86	9	16	5	7	3	1	16	0.4	
523216	Drill Core	0.15	0.053	13	10	0.27	830	0.27	5.61	0.02	2.29	8	22	2	7	5	<1	14	0.5	
523217	Drill Core	0.13	0.028	11	10	0.24	942	0.28	5.33	0.02	2.51	<4	17	2	5	4	<1	14	0.3	
523218	Drill Core	0.09	0.019	8	8	0.26	817	0.22	4.70	0.02	2.50	<4	16	4	4	3	<1	12	0.3	
523219	Drill Core	0.08	0.016	13	38	0.19	1099	0.22	4.34	0.02	2.22	<4	21	3	3	3	<1	11	0.4	
523220	Drill Core	0.16	0.053	13	10	0.23	899	0.30	5.81	0.02	2.42	>200	13	2	7	5	<1	16	0.5	242
523221	Drill Core	0.12	0.024	8	12	0.21	1690	0.25	5.59	0.02	2.50	10	16	2	5	4	<1	11	0.2	
523222	Drill Core	0.10	0.022	10	<2	0.19	1825	0.16	5.07	0.02	2.36	7	17	<2	4	4	<1	10	0.3	
523223	Core Pulp	1.91	0.040	7	7	0.23	966	0.12	7.24	3.31	2.02	<4	8	3	4	<2	1	2	0.4	
523224	Drill Core	0.14	0.033	10	13	0.25	706	0.31	6.31	0.01	3.00	8	21	2	5	6	<1	14	0.4	
523225	Drill Core	0.16	0.061	13	13	0.27	1283	0.34	7.11	0.02	3.10	5	59	<2	8	7	1	13	0.3	
523226	Drill Core	0.08	0.016	13	3	0.18	796	0.09	4.86	0.01	2.15	6	28	2	7	4	<1	4	<0.1	
523227	Drill Core	0.08	0.014	11	<2	0.17	407	0.10	5.06	0.01	2.20	5	31	4	9	4	<1	4	0.1	
523228	Drill Core	0.09	0.044	12	7	0.12	920	0.33	7.17	0.03	2.02	25	36	3	13	8	1	12	0.2	
523229	Drill Core	0.11	0.088	13	17	0.07	119	0.31	5.38	0.02	1.05	19	16	6	9	4	<1	13	0.9	
523230	Drill Core	0.14	0.077	10	19	0.12	98	0.27	5.27	0.03	1.50	13	14	6	17	3	<1	13	1.1	

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: August 31, 2010

CERTIFICATE OF ANALYSIS WHI10000233.1

	Method	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5	5	2
523231	Drill Core	1.74	<0.005	3	292	14	405	0.7	21	11	1960	5.72	49	<20	<4	2	29	5.6	120	23	115
523232	Drill Core	1.53	<0.005	<2	114	13	213	0.8	18	10	1563	4.63	31	<20	<4	2	45	2.2	67	<5	114
523233	Drill Core	0.37	0.014	2	79	17	114	1.1	12	8	2773	4.83	101	<20	<4	<2	41	1.8	52	<5	94
523234	Drill Core	0.74	0.057	7	72	55	116	5.2	8	7	2293	3.48	149	<20	<4	3	47	1.5	58	<5	75
523235	Drill Core	0.25	0.121	24	70	80	200	3.6	24	7	1922	3.68	387	<20	<4	4	43	2.6	52	<5	87
523236	Drill Core	0.19	0.128	8	51	103	358	11.2	29	5	498	3.82	954	<20	<4	3	10	2.6	82	<5	82
523237	Drill Core	0.20	0.091	9	59	62	244	4.1	26	8	3159	3.80	302	<20	<4	5	26	1.8	50	<5	89
523238	Drill Core	1.00	<0.005	<2	2	<5	18	<0.5	2	<2	241	0.48	<5	<20	<4	<2	40	<0.4	<5	<5	<2
523239	Drill Core	0.21	0.016	2	53	39	365	8.7	21	8	3288	2.49	228	<20	<4	3	23	0.9	56	<5	95

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: August 31, 2010

CERTIFICATE OF ANALYSIS WHI10000233.1

	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	G6Gr
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S	Ag
	Unit	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	gm/mt
	MDL	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1	50
523231	Drill Core	1.35	0.077	9	13	0.36	54	0.28	6.32	<0.01	1.16	29	15	11	20	4	<1	16	4.7	
523232	Drill Core	2.20	0.064	10	20	0.77	315	0.27	5.89	0.01	1.19	14	17	3	18	4	<1	15	3.6	
523233	Drill Core	2.12	0.065	8	8	0.94	123	0.24	5.97	0.02	2.71	18	15	3	11	4	<1	15	4.6	
523234	Drill Core	1.79	0.059	13	15	0.78	158	0.23	6.04	0.04	2.39	31	14	<2	13	5	<1	11	2.7	
523235	Drill Core	1.41	0.052	14	19	0.76	132	0.22	6.00	0.02	2.47	11	19	<2	14	5	1	13	2.8	
523236	Drill Core	0.28	0.063	14	33	0.25	45	0.22	5.47	0.01	2.45	<4	7	<2	11	7	<1	11	2.9	
523237	Drill Core	1.64	0.065	17	14	0.75	112	0.24	5.59	0.01	2.53	17	14	<2	15	5	1	14	3.1	
523238	Drill Core	21.03	0.013	<2	<2	12.77	21	<0.01	0.08	<0.01	0.02	<4	<2	<2	<2	<2	<1	<1	<0.1	
523239	Drill Core	0.73	0.055	12	13	0.44	89	0.22	5.80	0.01	2.58	16	25	<2	14	4	<1	12	1.6	

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: August 31, 2010

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS WHI10000234.1

	Method	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5	5	2
523240	Drill Core		0.007	<2	5	25	36	<0.5	3	<2	93	1.68	16	<20	<4	5	99	<0.4	<5	<5	23
RRE 523240	Drill Core		<0.005	<2	5	22	35	<0.5	2	<2	95	1.69	14	<20	<4	6	95	0.5	<5	<5	23
523241	Drill Core		0.007	<2	8	125	74	2.2	<2	<2	71	1.68	90	<20	<4	7	72	0.5	11	<5	17
523242	Drill Core		0.166	<2	19	249	153	2.6	<2	<2	145	2.76	194	<20	<4	12	181	1.3	55	<5	157
523243	Drill Core		0.114	<2	11	279	202	1.6	<2	<2	112	1.91	251	<20	<4	7	35	1.6	37	<5	14
523244	Drill Core		0.070	4	55	348	819	1.7	11	6	1023	5.14	640	<20	<4	2	114	5.5	65	<5	95
523245	Core Pulp		0.212	298	1892	28	126	15.6	5	6	430	1.89	11	<20	<4	<2	629	1.1	35	<5	33
523246	Drill Core		0.007	<2	12	34	161	<0.5	3	<2	251	1.98	136	<20	<4	<2	77	1.2	13	<5	41
523247	Drill Core		<0.005	<2	16	19	257	<0.5	3	4	659	2.18	133	<20	<4	<2	47	2.0	13	<5	44
523248	Drill Core		0.422	<2	31	408	419	3.0	3	3	461	4.07	676	<20	<4	3	87	4.0	79	<5	125
523249	Drill Core		0.032	<2	22	27	357	<0.5	4	3	178	4.34	340	<20	<4	3	211	2.5	33	<5	151
523250	Drill Core		0.011	<2	55	<5	193	<0.5	7	6	639	4.61	107	<20	<4	3	317	1.6	9	<5	171
523251	Drill Core		0.005	<2	54	20	571	<0.5	9	3	208	6.26	525	<20	<4	3	261	3.0	33	<5	186
RE 523251	Drill Core		<0.005	<2	54	20	559	<0.5	9	3	202	6.11	526	<20	<4	3	257	3.2	33	<5	181
523252	Drill Core		0.038	<2	16	66	246	1.0	3	<2	131	4.67	372	<20	<4	4	212	2.7	68	<5	193
523253	Drill Core		<0.005	<2	<2	5	18	<0.5	4	<2	224	0.53	<5	<20	<4	<2	49	<0.4	<5	<5	6
523254	Drill Core		<0.005	2	69	8	999	<0.5	7	3	244	6.92	753	<20	<4	2	128	3.7	45	<5	228

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: August 31, 2010

CERTIFICATE OF ANALYSIS WHI10000234.1

Method		1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
Analyte		Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S
Unit		%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1
523240	Drill Core	0.28	0.011	10	15	0.33	360	0.05	5.53	0.57	3.94	<4	20	2	3	3	<1	5	0.3
RRE 523240	Drill Core	0.28	0.011	10	15	0.33	532	0.05	5.13	0.57	3.90	<4	20	<2	3	3	<1	5	0.3
523241	Drill Core	0.07	0.010	12	2	0.18	1063	0.05	5.74	0.24	3.90	10	21	<2	3	4	<1	3	0.2
523242	Drill Core	0.18	0.047	14	6	0.46	1176	0.56	10.33	0.02	4.53	<4	61	<2	6	8	1	13	0.3
523243	Drill Core	0.04	0.014	17	3	0.18	2661	0.04	5.71	0.07	3.07	<4	25	2	4	3	<1	3	0.1
523244	Drill Core	0.38	0.067	12	15	0.61	1184	0.26	7.69	0.14	2.16	<4	6	<2	12	3	1	18	0.3
523245	Core Pulp	1.95	0.041	7	8	0.23	948	0.12	7.74	3.25	2.08	<4	8	<2	4	3	1	2	0.4
523246	Drill Core	0.07	0.018	4	8	0.23	1556	0.09	7.13	0.16	4.41	<4	20	<2	3	3	<1	4	0.3
523247	Drill Core	0.12	0.028	6	5	0.34	1406	0.15	8.25	0.06	4.16	<4	7	<2	4	4	<1	6	0.3
523248	Drill Core	0.24	0.061	15	10	0.35	1074	0.38	8.29	0.10	3.88	<4	37	3	10	6	1	16	0.6
523249	Drill Core	0.54	0.073	10	21	0.44	324	0.28	7.96	0.97	3.13	<4	5	<2	7	3	1	18	0.6
523250	Drill Core	3.12	0.086	7	21	1.49	1957	0.40	8.33	2.75	1.61	<4	7	<2	15	4	<1	22	0.2
523251	Drill Core	1.40	0.118	9	27	1.02	388	0.33	7.80	1.65	1.88	<4	7	<2	12	4	1	27	0.6
RE 523251	Drill Core	1.37	0.118	8	27	1.00	361	0.34	7.54	1.63	1.83	<4	7	<2	12	3	1	26	0.6
523252	Drill Core	0.23	0.074	11	25	0.42	149	0.33	8.18	0.07	3.48	<4	11	<2	6	4	<1	26	0.9
523253	Drill Core	20.79	0.020	2	3	12.56	38	0.02	0.34	0.04	0.12	<4	<2	<2	<2	<2	<1	<1	<0.1
523254	Drill Core	0.45	0.119	8	27	0.57	568	0.43	8.68	0.40	3.40	<4	5	<2	10	4	2	35	0.5

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 02, 2010

CERTIFICATE OF ANALYSIS WHI10000251.1

Method		G6Gr	G6Gr	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
Analyte		Ag	Au	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb
Unit		gm/mt	gm/mt	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		50	0.9	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5
523255	Drill Core			2.97	0.090	2	28	87	54	4.7	<2	<2	136	2.78	1273	<20	<4	3	34	1.3	153
523256	Drill Core			2.91	0.078	<2	30	257	26	7.6	<2	<2	184	1.17	921	<20	<4	<2	18	<0.4	74
523257	Core Pulp			0.14	0.204	310	1864	29	128	14.4	4	6	424	1.86	11	<20	<4	<2	635	<0.4	30
523258	Drill Core			3.11	0.032	<2	16	213	32	3.5	<2	<2	82	1.48	803	<20	<4	<2	28	<0.4	66
523259	Drill Core			0.83	<0.005	<2	21	56	105	1.3	<2	<2	94	1.39	342	<20	<4	<2	46	1.4	54
523260	Drill Core			3.43	0.008	<2	41	72	232	1.1	<2	<2	66	1.77	286	<20	<4	3	41	1.5	55
523261	Drill Core			3.44	<0.005	<2	117	24	578	<0.5	2	<2	81	4.24	152	<20	<4	3	32	1.6	31
523262	Drill Core			2.33	<0.005	4	719	11	604	<0.5	7	6	232	4.32	95	<20	<4	4	80	76.0	53
523263	Drill Core			2.43	0.037	4	39	26	329	<0.5	<2	<2	105	3.40	576	<20	<4	4	28	1.3	59
523264	Drill Core			1.18	1.358	<2	16	1418	161	13.1	<2	<2	140	2.13	1789	<20	<4	<2	46	3.2	263
523265	Drill Core			1.91	3.350	<2	419	6590	7213	128.8	<2	3	269	5.09	6194	<20	<4	<2	19	162.8	1697
523266	Drill Core			1.05	0.786	<2	88	2519	1133	18.5	<2	<2	166	2.50	1416	<20	<4	<2	8	18.4	252
523267	Drill Core	1298	14.0	1.85	>10	<2	1828	>10000	>10000	>200	<2	7	371	18.27	>10000	25	16	<2	4	330.4	>4000
RE 523267	Drill Core	1274	14.1		>10	<2	1854	>10000	>10000	>200	2	7	378	18.62	8851	24	15	<2	4	337.2	>4000
523268	Drill Core			0.86	0.016	<2	3	65	29	5.7	<2	<2	249	0.48	25	<20	<4	<2	78	<0.4	10
523269	Drill Core			1.44	5.001	<2	334	7112	7058	187.7	<2	4	230	4.99	5523	<20	<4	<2	8	99.8	1142
523270	Drill Core	630	5.7	1.02	4.979	<2	1088	5798	1900	>200	<2	4	139	5.17	3046	<20	<4	<2	10	34.0	1429
523271	Drill Core			2.13	0.473	<2	22	432	102	5.9	<2	6	134	4.66	740	<20	<4	3	9	4.5	135
523272	Drill Core			2.29	0.442	<2	16	3021	871	17.0	2	6	186	3.68	954	<20	<4	15	19	75.5	218
523273	Drill Core			1.82	0.493	7	56	750	>10000	13.0	4	10	4649	4.20	2190	<20	<4	<2	60	98.4	403
523274	Drill Core			1.69	0.277	<2	19	127	1487	2.4	<2	5	2179	3.42	651	<20	<4	3	39	3.5	71
523275	Drill Core			1.35	0.036	<2	10	25	2086	<0.5	7	5	2979	3.18	448	<20	<4	4	38	46.7	55
523276	Drill Core			3.22	<0.005	<2	21	23	3111	<0.5	11	13	3261	3.56	180	<20	<4	4	47	19.2	78
523277	Drill Core			3.51	0.522	<2	28	46	1484	2.0	3	6	1276	2.65	595	<20	<4	3	28	18.8	93
523278	Drill Core			3.18	0.659	<2	14	807	2600	5.3	<2	8	402	3.52	2201	<20	<4	<2	26	61.1	208
523279	Core Pulp			0.15	0.369	7	44	155	316	1.1	59	15	1102	4.18	917	<20	<4	13	245	3.0	598
523280	Drill Core			2.96	0.557	<2	50	656	3380	26.4	4	8	2146	4.45	1315	<20	<4	7	25	59.0	149
523281	Drill Core			1.75	0.215	<2	22	608	2052	4.2	3	5	198	2.32	373	<20	<4	38	29	121.9	128
523282	Drill Core			1.32	2.887	<2	298	5707	9630	75.2	2	4	230	3.85	1393	<20	<4	30	27	322.2	693
523283	Drill Core			3.92	0.331	<2	36	900	1587	7.3	2	4	149	2.52	599	<20	<4	28	47	190.0	155

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 02, 2010

CERTIFICATE OF ANALYSIS WHI10000251.1

	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S
	Unit	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	5	2	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1
523255	Drill Core	<5	52	0.06	0.023	6	2	0.33	862	0.30	6.79	0.02	3.51	4	21	3	4	6	<1	11	0.7
523256	Drill Core	<5	47	0.06	0.022	4	2	0.26	1897	0.24	6.59	0.02	3.26	5	14	<2	3	5	<1	10	0.3
523257	Core Pulp	<5	32	1.88	0.037	10	8	0.23	911	0.12	7.01	3.23	2.02	<4	8	<2	4	2	1	2	0.4
523258	Drill Core	<5	43	0.07	0.018	6	4	0.22	1163	0.32	6.78	0.02	3.07	5	14	<2	6	6	<1	11	0.3
523259	Drill Core	<5	16	0.06	0.022	3	<2	0.24	1999	0.11	7.85	0.02	4.27	<4	7	<2	2	3	<1	3	0.3
523260	Drill Core	<5	21	0.06	0.040	9	<2	0.25	1230	0.28	8.33	0.01	2.91	<4	12	4	8	4	1	9	0.3
523261	Drill Core	<5	30	0.05	0.098	15	3	0.28	575	0.39	9.82	<0.01	1.37	4	20	3	20	6	2	19	0.3
523262	Drill Core	<5	8	0.51	0.068	6	<2	0.57	57	0.32	9.30	0.98	1.32	<4	16	7	18	5	2	19	1.3
523263	Drill Core	<5	13	0.03	0.044	13	<2	0.24	109	0.35	8.23	<0.01	2.65	<4	18	3	13	6	1	18	1.5
523264	Drill Core	<5	75	0.03	0.066	8	32	0.21	946	0.29	5.81	0.02	2.77	4	12	5	4	4	1	17	0.4
523265	Drill Core	<5	17	0.03	0.027	6	4	0.12	16	0.14	3.86	<0.01	1.66	<4	7	13	8	3	<1	8	5.2
523266	Drill Core	<5	12	<0.01	0.025	3	<2	0.16	43	0.07	5.31	<0.01	2.37	<4	9	9	4	2	<1	4	2.2
523267	Drill Core	<5	14	0.03	0.018	<2	<2	0.06	9	0.05	1.82	<0.01	0.73	<4	4	35	5	<2	<1	4	19.9
RE 523267	Drill Core	<5	14	0.03	0.019	<2	<2	0.06	4	0.05	1.87	<0.01	0.75	<4	3	36	6	<2	<1	4	20.2
523268	Drill Core	<5	<2	22.19	0.016	<2	<2	13.44	2909	<0.01	0.15	<0.01	0.02	<4	<2	<2	<2	<2	<1	<1	<0.1
523269	Drill Core	<5	13	<0.01	0.030	6	<2	0.14	17	0.18	4.66	<0.01	2.08	<4	8	16	6	4	<1	8	5.3
523270	Drill Core	<5	33	0.08	0.038	10	<2	0.23	23	0.27	6.21	<0.01	2.98	<4	14	17	8	4	<1	13	5.2
523271	Drill Core	<5	30	0.02	0.027	9	2	0.22	23	0.25	7.42	0.01	3.33	6	16	12	11	5	<1	12	4.8
523272	Drill Core	<5	27	0.07	0.068	40	3	0.23	38	0.22	7.25	<0.01	3.20	8	18	8	12	6	1	9	3.8
523273	Drill Core	<5	25	0.15	0.034	<2	3	0.21	29	0.19	5.81	0.03	2.29	<4	15	4	18	4	1	9	3.2
523274	Drill Core	<5	8	0.83	0.042	8	<2	0.45	34	0.22	6.48	<0.01	2.48	<4	21	4	21	5	1	12	2.9
523275	Drill Core	<5	7	1.21	0.051	15	4	0.56	158	0.24	7.46	<0.01	2.19	<4	19	2	20	5	1	15	1.7
523276	Drill Core	<5	62	0.27	0.113	13	7	0.27	158	0.41	10.38	<0.01	0.96	14	21	4	21	7	2	22	1.0
523277	Drill Core	<5	20	0.57	0.061	10	<2	0.39	41	0.30	7.33	<0.01	2.69	<4	15	<2	18	5	2	14	2.2
523278	Drill Core	<5	30	0.20	0.056	8	4	0.24	33	0.25	6.81	<0.01	2.82	<4	13	7	14	4	1	11	3.5
523279	Core Pulp	<5	164	0.94	0.113	39	72	0.61	1132	0.36	7.14	0.16	2.25	8	92	4	23	11	3	13	0.2
523280	Drill Core	<5	23	0.66	0.062	13	3	0.42	30	0.25	6.93	<0.01	2.90	<4	18	6	20	5	2	13	4.4
523281	Drill Core	<5	27	0.64	0.050	83	4	0.25	44	0.23	7.06	0.03	2.94	<4	49	5	10	7	1	4	2.6
523282	Drill Core	<5	24	0.39	0.044	79	3	0.21	32	0.21	7.13	0.02	2.94	<4	43	13	9	7	1	4	4.4
523283	Drill Core	<5	36	0.26	0.042	70	5	0.19	36	0.20	6.58	0.02	2.57	<4	36	6	9	6	1	5	2.6

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 02, 2010

CERTIFICATE OF ANALYSIS WHI10000251.1

		Method	7TD	7TD	7TD.1
		Analyte	Pb	Zn	Pb
		Unit	%	%	%
		MDL	0.02	0.01	0.02
523255	Drill Core				
523256	Drill Core				
523257	Core Pulp				
523258	Drill Core				
523259	Drill Core				
523260	Drill Core				
523261	Drill Core				
523262	Drill Core				
523263	Drill Core				
523264	Drill Core				
523265	Drill Core				
523266	Drill Core				
523267	Drill Core		4.34	1.66	
RE 523267	Drill Core		4.36	1.66	
523268	Drill Core				
523269	Drill Core				
523270	Drill Core				
523271	Drill Core				
523272	Drill Core				
523273	Drill Core		0.10	1.05	
523274	Drill Core				
523275	Drill Core				
523276	Drill Core				
523277	Drill Core				
523278	Drill Core				
523279	Core Pulp				
523280	Drill Core				
523281	Drill Core				
523282	Drill Core				
523283	Drill Core				

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CERTIFICATE OF ANALYSIS WHI10000251.1

	Method	G6Gr	G6Gr	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Ag	Au	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb
	Unit	gm/mt	gm/mt	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	50	0.9	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5
523284	Drill Core			2.61	0.524	<2	138	1088	425	10.7	<2	2	125	1.93	763	<20	<4	27	42	39.9	109
523285	Drill Core			2.25	0.244	<2	48	2752	177	28.4	<2	<2	89	1.06	551	<20	<4	12	26	5.6	209
523286	Drill Core	1078	22.6	1.18	>10	<2	8889	>10000	>10000	>200	<2	<2	588	13.03	2975	31	7	<2	24	1396	3949
523287	Drill Core			1.72	0.906	<2	63	2003	584	17.3	<2	<2	97	4.71	2593	<20	<4	2	84	3.3	122
523288	Drill Core			3.73	0.052	<2	29	372	165	2.6	<2	<2	78	1.10	647	<20	<4	14	15	18.9	62
523289	Drill Core			4.94	0.436	<2	75	1667	292	14.2	<2	<2	81	1.97	1604	<20	<4	10	26	24.4	181
523290	Drill Core			0.52	<0.005	<2	<2	10	29	<0.5	3	<2	243	0.52	<5	<20	<4	<2	52	<0.4	<5
523291	Drill Core			1.43	0.192	3	102	1836	888	5.4	2	<2	126	5.06	3694	<20	<4	7	39	71.8	533
523292	Drill Core			0.81	0.028	<2	24	166	129	1.1	<2	11	34	2.06	191	<20	<4	5	34	4.5	30
523293	Drill Core			1.20	0.015	<2	22	241	121	1.4	<2	<2	93	1.17	270	<20	<4	8	45	3.1	41
RRE 523293	Drill Core				0.022	<2	23	249	120	1.5	<2	<2	90	1.15	275	<20	<4	6	46	3.2	41
523294	Drill Core			4.13	0.057	<2	56	105	1274	0.9	4	7	508	4.27	74	<20	<4	6	218	31.0	10
523295	Drill Core			2.93	<0.005	2	9	33	192	0.6	<2	<2	55	0.91	242	<20	<4	14	87	3.5	17

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

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CERTIFICATE OF ANALYSIS WHI10000251.1

	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S
	Unit	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	5	2	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1
523284	Drill Core	<5	27	0.17	0.023	81	3	0.19	64	0.20	5.49	0.04	2.43	<4	41	4	7	6	1	3	1.6
523285	Drill Core	<5	18	0.01	0.018	66	2	0.13	182	0.13	3.85	0.02	1.93	<4	34	8	5	4	<1	2	0.5
523286	Drill Core	64	5	<0.01	0.013	15	<2	0.04	7	0.03	1.25	<0.01	0.53	<4	10	64	5	2	<1	1	18.9
523287	Drill Core	<5	211	0.03	0.053	9	17	0.41	357	0.43	7.73	<0.01	3.49	10	20	10	2	5	1	17	1.1
523288	Drill Core	<5	3	0.03	0.007	13	<2	0.17	619	0.05	5.07	0.01	2.57	<4	43	<2	8	8	1	2	<0.1
523289	Drill Core	<5	4	0.03	0.014	12	2	0.15	898	0.05	4.59	0.02	2.40	<4	35	6	6	7	1	2	0.1
523290	Drill Core	<5	5	22.25	0.020	3	3	13.35	36	0.02	0.41	0.03	0.12	<4	<2	<2	<2	<2	<1	<1	<0.1
523291	Drill Core	<5	69	0.06	0.043	8	25	0.25	667	0.24	7.18	0.01	3.23	<4	23	4	10	9	2	12	0.1
523292	Drill Core	<5	25	0.09	0.018	15	<2	0.20	221	0.27	8.83	<0.01	1.36	4	26	5	17	6	1	13	1.4
523293	Drill Core	<5	36	0.12	0.036	14	<2	0.26	1125	0.31	8.65	0.07	4.21	6	29	<2	13	8	1	16	<0.1
RRE 523293	Drill Core	<5	36	0.09	0.034	13	2	0.24	1160	0.32	9.01	0.07	4.31	6	29	<2	14	8	1	16	<0.1
523294	Drill Core	6	61	1.18	0.084	17	6	1.16	470	0.38	8.81	2.75	1.09	<4	18	3	46	6	2	19	0.4
523295	Drill Core	<5	4	0.07	0.014	12	<2	0.17	1102	0.08	7.41	0.12	4.56	<4	51	<2	13	12	2	4	<0.1

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

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CERTIFICATE OF ANALYSIS WHI10000251.1

		Method	7TD	7TD	7TD.1
		Analyte	Pb	Zn	Pb
		Unit	%	%	%
		MDL	0.02	0.01	0.02
523284	Drill Core				
523285	Drill Core				
523286	Drill Core		>10	7.15	12.87
523287	Drill Core				
523288	Drill Core				
523289	Drill Core				
523290	Drill Core				
523291	Drill Core				
523292	Drill Core				
523293	Drill Core				
RRE 523293	Drill Core				
523294	Drill Core				
523295	Drill Core				

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
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CERTIFICATE OF ANALYSIS WHI10000252.1

	Method	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5	5	2
515179	Rock	2.67	0.025	<2	33	14	69	<0.5	3	9	589	3.19	29	<20	<4	9	212	<0.4	8	<5	98
515180	Rock	2.69	0.047	<2	27	10	49	0.5	3	4	427	2.82	39	<20	<4	9	234	<0.4	<5	<5	97
515181	Rock	2.77	0.007	<2	39	10	60	<0.5	4	6	637	2.74	31	<20	<4	8	354	<0.4	7	<5	94
515182	Rock Pulp	0.15	5.492	3	121	11	74	83.8	8	15	1025	4.25	98	<20	5	<2	387	<0.4	6	<5	137
515183	Rock	1.35	0.006	<2	9	10	57	<0.5	3	6	574	2.78	28	<20	<4	8	371	<0.4	6	<5	98
515184	Rock	1.72	0.014	<2	12	10	58	<0.5	4	8	673	3.22	50	<20	<4	8	269	<0.4	9	<5	99
515185	Rock	1.15	<0.005	<2	8	10	59	<0.5	3	9	809	2.89	40	<20	<4	9	311	<0.4	<5	<5	95
515186	Rock	1.96	0.020	<2	73	8	85	<0.5	5	9	794	3.19	21	<20	<4	10	361	<0.4	5	<5	93
515187	Rock	1.03	0.173	3	94	6	100	1.2	8	6	729	3.89	17	<20	<4	8	367	<0.4	<5	<5	80
515188	Rock	2.10	0.504	3	240	8	102	2.6	10	9	764	4.04	43	<20	<4	6	222	<0.4	<5	<5	77
515189	Rock	1.23	0.055	<2	72	58	186	1.8	4	7	1129	4.22	48	<20	<4	8	168	1.1	9	9	100
515190	Rock	1.88	<0.005	<2	11	57	163	<0.5	4	4	1252	3.66	37	<20	<4	5	236	<0.4	<5	<5	100
515191	Rock	1.30	0.015	<2	20	118	733	<0.5	4	11	1694	3.50	59	<20	<4	7	266	15.8	9	<5	102
515192	Rock	1.84	0.068	<2	32	393	200	3.1	<2	<2	460	3.66	159	<20	<4	6	100	0.5	9	<5	89
515193	Rock	1.06	0.021	<2	214	32	788	0.5	8	47	2970	2.64	21	<20	<4	10	143	16.0	6	<5	96
515194	Rock	3.33	0.016	<2	11	24	104	<0.5	3	<2	890	2.88	11	<20	<4	8	187	<0.4	<5	<5	96
515195	Rock	2.39	0.018	<2	10	117	142	0.5	3	9	540	3.72	14	<20	<4	7	223	<0.4	<5	<5	96
515196	Rock	2.48	0.014	<2	9	109	176	0.6	4	8	937	3.42	9	<20	<4	8	232	0.4	<5	<5	100
515197	Rock	3.32	0.008	<2	8	42	248	<0.5	4	8	848	2.69	10	<20	<4	8	204	1.5	6	<5	100
515198	Rock	2.51	0.010	<2	9	56	195	0.9	6	38	807	4.28	9	<20	<4	7	132	0.7	<5	<5	95
515199	Rock	1.43	0.014	<2	66	286	395	1.5	5	8	458	3.44	22	<20	<4	9	105	2.4	6	<5	102
515200	Rock	1.98	0.022	<2	378	401	1106	3.0	6	9	875	3.00	47	<20	<4	11	110	7.6	14	<5	95
515201	Rock	1.53	0.028	<2	636	447	1353	2.2	11	25	2672	3.30	78	<20	<4	9	67	17.3	12	<5	91
RRE 515201	Rock		0.027	<2	601	429	1312	2.0	10	23	2618	3.26	77	<20	<4	10	68	16.8	12	<5	88
515202	Rock	0.60	0.007	<2	3	<5	13	<0.5	<2	<2	244	0.51	<5	<20	<4	<2	46	<0.4	<5	<5	6
515203	Rock	1.30	0.017	<2	1592	502	1299	2.6	26	16	432	2.92	37	<20	<4	8	19	4.5	18	<5	104
515204	Rock	2.09	0.046	4	912	713	1656	4.4	14	16	781	3.26	92	<20	<4	10	42	11.2	31	<5	65
515205	Rock	2.28	0.024	<2	129	233	412	3.0	5	8	1214	3.00	106	<20	<4	7	78	11.9	25	<5	46
515206	Rock	2.29	0.016	<2	194	275	280	4.2	5	7	938	2.40	209	<20	<4	6	90	5.7	25	<5	44
515207	Rock	1.45	0.052	4	182	364	283	7.2	2	<2	133	3.77	251	<20	<4	6	51	<0.4	65	<5	39

Acme Analytical Laboratories (Vancouver) Ltd.
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www.acmelab.com

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620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 17, 2010

CERTIFICATE OF ANALYSIS WHI10000252.1

	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S
	Unit	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1
515179	Rock	1.40	0.053	22	8	1.31	1015	0.30	6.80	1.54	2.42	<4	10	8	13	8	1	11	0.2
515180	Rock	1.49	0.055	22	7	1.07	1269	0.30	6.74	1.94	2.16	<4	10	7	13	8	1	11	0.1
515181	Rock	1.96	0.050	23	8	1.20	1354	0.29	6.89	2.09	2.02	<4	10	5	14	7	1	10	<0.1
515182	Rock Pulp	4.54	0.054	13	11	1.52	602	0.31	7.42	2.35	1.26	5	18	6	17	4	<1	15	<0.1
515183	Rock	2.33	0.054	23	8	1.14	1181	0.31	6.92	2.35	1.99	<4	11	3	14	8	1	11	<0.1
515184	Rock	1.89	0.054	22	8	1.22	1271	0.31	6.72	2.17	2.09	<4	11	4	14	7	1	11	0.1
515185	Rock	2.87	0.050	20	7	1.01	1164	0.30	7.15	1.83	1.95	<4	14	2	13	8	1	11	<0.1
515186	Rock	1.18	0.053	25	7	1.16	1143	0.29	6.77	2.11	1.90	<4	15	4	13	8	2	10	<0.1
515187	Rock	0.55	0.137	25	25	1.22	1816	0.39	6.85	1.65	2.13	<4	111	5	8	12	2	7	0.1
515188	Rock	0.37	0.120	13	25	1.20	1497	0.33	6.38	1.30	2.33	<4	90	4	7	9	2	5	<0.1
515189	Rock	1.95	0.055	25	10	1.35	1195	0.31	6.92	0.77	2.42	<4	13	5	17	7	1	11	0.1
515190	Rock	2.43	0.057	21	9	1.31	1310	0.31	6.98	1.58	2.55	<4	9	2	14	8	1	11	<0.1
515191	Rock	1.99	0.055	18	8	1.28	1468	0.31	7.16	1.21	2.84	<4	10	4	16	8	1	11	0.2
515192	Rock	0.25	0.035	10	8	0.70	1098	0.28	6.51	0.35	2.97	7	13	7	4	8	1	10	0.2
515193	Rock	2.18	0.050	30	11	0.68	374	0.29	7.75	1.14	2.83	<4	15	4	13	8	1	12	0.9
515194	Rock	2.41	0.050	19	8	1.11	776	0.29	6.98	1.73	1.99	<4	14	4	10	8	1	11	0.3
515195	Rock	1.01	0.051	19	9	1.03	656	0.29	6.32	2.03	2.23	<4	11	5	8	7	1	10	0.6
515196	Rock	2.07	0.054	24	8	1.18	689	0.30	7.37	2.12	2.22	<4	11	6	10	7	1	11	0.8
515197	Rock	2.25	0.055	24	9	1.05	752	0.30	7.59	1.98	1.97	<4	13	7	9	7	1	11	0.6
515198	Rock	1.45	0.055	20	10	0.78	57	0.28	7.27	1.63	2.00	4	12	7	10	7	2	11	2.4
515199	Rock	0.90	0.058	24	9	0.51	765	0.26	7.73	1.04	2.13	6	12	8	8	6	2	11	0.8
515200	Rock	1.85	0.065	24	10	0.39	273	0.26	7.68	0.81	2.17	<4	27	7	10	7	2	11	1.2
515201	Rock	2.47	0.060	27	10	0.76	202	0.27	7.76	0.05	2.74	<4	29	6	16	7	3	11	1.4
RRE 515201	Rock	2.45	0.057	26	9	0.75	266	0.26	7.82	0.04	2.59	<4	28	7	16	7	2	11	1.4
515202	Rock	21.03	0.017	<2	4	12.12	39	0.02	0.29	0.03	0.11	<4	<2	<2	<2	<2	<1	<1	<0.1
515203	Rock	0.20	0.062	11	10	0.24	561	0.31	8.37	0.03	2.03	<4	17	7	11	8	3	11	0.8
515204	Rock	0.90	0.072	21	13	0.44	168	0.18	7.86	0.06	2.32	<4	85	6	12	6	3	7	1.6
515205	Rock	2.21	0.067	30	11	0.69	176	0.12	7.47	0.05	3.19	<4	53	6	8	4	2	5	2.6
515206	Rock	2.54	0.062	17	11	0.39	143	0.12	7.14	0.06	2.73	5	42	4	6	5	2	4	1.8
515207	Rock	0.98	0.046	9	9	0.30	164	0.10	6.70	0.05	2.96	7	42	5	2	4	2	4	1.2

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Project: Mt Nansen
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CERTIFICATE OF ANALYSIS WHI10000252.1

Method		WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
Unit		kg	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5	5	2
515208	Rock	2.84	0.019	<2	299	528	491	10.4	6	5	723	2.50	192	<20	<4	8	48	10.6	35	14	39
515209	Rock	2.96	0.012	<2	122	489	1276	6.7	5	8	697	2.73	208	<20	<4	8	62	31.0	14	8	42
515210	Rock	3.20	0.020	<2	98	362	711	4.4	5	12	711	3.40	145	<20	<4	7	110	10.4	14	<5	59
515211	Rock	3.68	0.006	<2	3	6	81	<0.5	7	6	634	2.37	25	<20	<4	8	179	<0.4	<5	<5	55
515212	Rock Pulp	0.15	0.357	7	44	130	322	0.6	60	16	1104	4.14	854	<20	<4	12	236	2.2	532	<5	162
515213	Rock	2.76	0.008	<2	<2	5	61	<0.5	6	5	757	1.98	17	<20	<4	8	142	<0.4	6	<5	54
515214	Rock	3.43	0.006	<2	5	<5	83	<0.5	7	6	606	2.01	18	<20	<4	8	165	<0.4	6	<5	54
515215	Rock	2.88	0.007	<2	26	36	131	<0.5	5	11	825	3.07	128	<20	<4	10	219	0.8	9	<5	94
RE 515215	Rock		0.012	<2	26	36	129	<0.5	5	11	818	3.06	119	<20	<4	9	221	0.7	8	<5	93
515216	Rock	2.85	0.129	<2	15	162	153	1.4	28	31	1304	5.98	220	<20	4	7	151	2.5	6	<5	121
515217	Rock	2.97	0.005	<2	23	43	88	<0.5	4	4	829	3.01	30	<20	<4	8	331	0.6	<5	<5	101
515218	Rock	3.26	0.007	<2	50	39	73	<0.5	5	9	842	3.01	30	<20	<4	8	299	<0.4	5	<5	96
515219	Rock	1.91	<0.005	<2	12	12	62	<0.5	5	<2	854	3.03	13	<20	<4	10	284	<0.4	<5	<5	92
515220	Rock	2.36	<0.005	<2	28	15	72	<0.5	4	3	915	2.75	13	<20	<4	8	195	<0.4	7	<5	85
515221	Rock	3.31	0.007	<2	18	19	71	<0.5	3	<2	694	2.83	7	<20	<4	9	267	<0.4	<5	<5	90
515222	Rock	1.97	0.017	<2	18	9	69	<0.5	4	14	872	3.36	26	<20	<4	8	147	<0.4	6	<5	90
515223	Rock	2.32	0.016	<2	20	34	208	0.6	4	6	953	2.76	22	<20	<4	8	49	2.8	8	<5	95
515224	Rock	0.39	<0.005	<2	<2	<5	11	<0.5	<2	<2	243	0.52	<5	<20	<4	<2	48	<0.4	<5	<5	6
515225	Rock	2.82	0.010	<2	22	13	95	<0.5	4	5	1034	3.03	30	<20	<4	7	47	0.5	9	<5	93
515226	Rock	2.12	0.011	8	80	94	356	0.5	20	12	771	3.91	105	<20	<4	9	280	7.5	14	<5	86
515227	Rock	1.83	0.023	2	53	28	137	<0.5	12	13	744	4.02	45	<20	<4	9	349	1.3	6	<5	92
515228	Rock	1.40	0.030	<2	44	15	77	<0.5	5	7	838	4.06	33	<20	<4	9	117	<0.4	5	<5	108
515229	Rock	2.25	0.166	<2	56	148	88	1.5	4	12	630	4.64	165	<20	<4	8	162	0.7	8	<5	103
515230	Rock	2.19	0.110	5	54	56	162	1.1	3	3	2180	4.16	373	<20	<4	7	148	1.4	14	<5	80
515231	Rock	2.24	0.021	<2	42	20	69	<0.5	3	6	702	3.27	54	<20	<4	9	205	<0.4	5	<5	91
515232	Rock	2.17	0.007	3	21	37	68	<0.5	4	10	717	3.32	14	<20	<4	8	329	<0.4	<5	<5	100
515233	Rock	2.27	0.023	2	50	12	80	<0.5	4	4	652	3.44	9	<20	<4	8	323	<0.4	<5	<5	99
515234	Rock	2.03	0.022	<2	59	262	151	2.6	<2	3	257	1.39	27	<20	<4	11	78	1.0	<5	<5	9
515235	Rock	2.00	0.014	<2	56	265	192	1.8	<2	6	254	1.50	19	<20	<4	10	81	2.7	<5	<5	7
515236	Rock	2.38	0.055	<2	147	45	202	2.8	3	7	386	3.98	88	<20	<4	8	134	2.9	6	43	107

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Method		1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
Analyte		Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S
Unit		%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1
515208	Rock	1.53	0.061	22	13	0.74	168	0.11	7.36	0.06	3.10	5	37	4	6	4	2	5	1.5
515209	Rock	1.67	0.061	25	11	0.37	155	0.11	7.41	0.09	2.79	<4	39	5	6	4	2	5	1.5
515210	Rock	1.79	0.068	26	11	0.44	155	0.16	7.57	0.19	2.04	<4	60	6	7	5	2	6	1.5
515211	Rock	2.54	0.076	27	14	0.56	1527	0.23	7.18	0.21	2.78	<4	154	<2	10	8	2	5	0.3
515212	Rock Pulp	0.96	0.112	41	79	0.62	1939	0.40	6.41	0.19	2.11	10	90	3	23	11	3	12	0.2
515213	Rock	3.21	0.076	30	12	0.72	1239	0.23	7.43	0.06	2.21	<4	129	<2	11	8	2	5	<0.1
515214	Rock	2.87	0.077	29	13	0.58	1100	0.22	7.16	0.05	2.06	<4	157	<2	10	7	2	5	0.1
515215	Rock	2.27	0.060	22	9	0.50	868	0.30	7.50	1.43	2.17	<4	29	7	12	8	2	10	0.6
RE 515215	Rock	2.27	0.059	22	8	0.50	862	0.29	7.63	1.42	2.20	<4	28	6	12	8	2	10	0.6
515216	Rock	2.03	0.098	32	65	0.63	358	0.40	7.23	0.76	1.79	5	31	6	15	19	2	14	0.8
515217	Rock	2.53	0.054	21	8	0.81	1024	0.31	7.45	2.33	2.23	<4	14	3	11	8	1	11	0.4
515218	Rock	2.57	0.050	20	8	0.85	1134	0.30	7.28	2.10	2.34	<4	13	3	11	9	1	10	0.4
515219	Rock	2.63	0.049	20	9	0.94	1304	0.30	7.09	1.86	2.34	<4	14	3	11	8	1	10	0.1
515220	Rock	3.48	0.046	23	7	0.81	731	0.28	6.73	1.67	2.12	<4	13	3	13	7	1	10	<0.1
515221	Rock	2.34	0.050	20	8	1.04	854	0.29	7.11	2.09	2.26	<4	13	2	11	8	1	10	0.1
515222	Rock	3.12	0.048	22	8	0.79	612	0.28	6.93	0.93	2.48	5	13	3	10	8	2	10	0.8
515223	Rock	3.34	0.050	24	8	0.55	906	0.30	7.33	0.05	3.07	4	15	5	9	8	2	11	0.5
515224	Rock	21.20	0.019	12	6	12.35	37	0.02	0.25	0.03	0.11	<4	2	<2	<2	2	<1	<1	<0.1
515225	Rock	3.46	0.050	22	8	0.42	866	0.29	7.05	0.05	2.93	5	14	4	9	8	2	10	0.6
515226	Rock	1.79	0.106	33	34	1.05	1752	0.33	7.63	0.66	3.17	<4	91	<2	12	11	2	9	0.4
515227	Rock	1.79	0.079	22	22	1.42	1161	0.33	7.26	1.32	3.13	4	61	4	10	10	2	10	0.6
515228	Rock	1.80	0.058	25	10	1.36	1125	0.32	7.51	0.33	2.72	4	15	5	17	10	1	12	0.2
515229	Rock	0.41	0.050	17	10	1.12	1247	0.30	6.32	1.06	2.73	4	13	4	11	8	1	10	0.2
515230	Rock	4.84	0.044	28	10	1.01	736	0.24	6.31	0.51	2.28	5	12	3	13	7	1	9	0.6
515231	Rock	1.42	0.049	23	10	1.08	956	0.27	6.34	1.37	2.22	<4	11	3	13	7	1	10	0.3
515232	Rock	2.08	0.055	25	10	1.30	1023	0.30	7.31	2.18	2.60	<4	12	2	15	8	1	11	0.3
515233	Rock	2.40	0.055	26	10	1.28	859	0.31	7.36	2.12	2.34	<4	12	3	15	8	1	11	0.2
515234	Rock	0.11	0.009	14	<2	0.24	2763	0.05	5.13	0.14	3.19	<4	66	<2	8	9	2	2	0.3
515235	Rock	0.14	0.007	9	<2	0.21	2332	0.05	4.99	0.13	3.19	<4	65	<2	7	9	2	1	0.3
515236	Rock	0.51	0.061	14	10	1.06	1431	0.33	6.08	0.96	2.97	8	13	6	9	10	1	10	0.4

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 17, 2010

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CERTIFICATE OF ANALYSIS WHI10000252.1

	Method	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5	5	2
515237	Rock	1.69	0.029	5	282	164	403	2.2	3	12	1467	4.40	245	<20	<4	8	81	12.2	7	<5	109
515238	Rock	2.61	0.019	<2	185	30	164	1.0	4	7	487	3.29	51	<20	<4	9	291	2.2	<5	14	105
515239	Rock	1.88	0.050	<2	246	143	310	3.2	4	11	552	3.44	49	<20	<4	10	200	4.7	<5	18	103

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
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620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

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CERTIFICATE OF ANALYSIS WHI10000252.1

	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S
	Unit	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1
515237	Rock	0.41	0.061	16	12	1.34	1065	0.32	6.69	0.73	2.54	5	11	5	10	8	1	11	<0.1
515238	Rock	1.25	0.059	21	12	1.26	1212	0.32	6.77	2.30	2.91	9	13	6	13	9	1	11	0.8
515239	Rock	0.78	0.058	23	12	1.15	1266	0.31	6.74	1.68	2.89	7	13	6	15	9	1	10	0.6

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

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Report Date: September 09, 2010

CERTIFICATE OF ANALYSIS WHI10000311.1

	Method	G6Gr	G6Gr	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Ag	Au	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb
	Unit	gm/t	gm/t	kg	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	50	0.9	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5
523296	Drill Core			0.94	0.367	<2	28	2931	47	18.3	2	<2	135	1.60	2153	<20	<4	3	25	3.9	855
523297	Drill Core			1.54	0.186	<2	53	1171	20	31.1	<2	<2	121	1.52	2749	<20	<4	3	15	1.5	343
523298	Rock Pulp			0.10	0.386	7	44	147	344	1.2	58	14	1063	4.05	894	<20	<4	13	239	2.2	576
523299	Drill Core			1.67	0.416	<2	10	2135	15	19.0	<2	<2	91	2.18	1512	<20	<4	3	6	0.8	282
523300	Drill Core			1.68	3.020	<2	164	>10000	275	124.7	<2	<2	107	2.13	4440	<20	<4	<2	47	17.1	1815
523301	Drill Core			0.77	6.056	<2	16	1435	37	22.5	<2	<2	88	0.98	1816	<20	7	<2	26	1.9	166
523302	Drill Core			3.25	1.175	<2	12	359	42	3.1	<2	<2	115	0.91	866	<20	<4	<2	12	0.9	81
523303	Drill Core			0.41	0.008	<2	4	15	11	<0.5	3	<2	233	0.53	<5	<20	<4	<2	47	<0.4	<5
523304	Drill Core			3.30	0.770	<2	73	3067	84	44.4	<2	<2	109	1.26	2211	<20	<4	<2	10	9.4	344
523305	Drill Core			4.75	0.491	<2	17	3536	54	27.7	<2	<2	84	1.03	1050	<20	<4	9	27	7.3	152
523306	Drill Core			1.78	1.677	<2	70	2798	67	40.4	<2	<2	68	2.44	4053	<20	<4	9	23	3.3	198
523307	Drill Core	1058	24.4	0.81	>10	3	1665	>10000	257	>200	<2	<2	68	9.40	>10000	<20	21	6	17	21.2	1877
523308	Drill Core			0.71	0.032	<2	3	<5	7	1.7	<2	<2	219	0.46	5	<20	<4	<2	37	<0.4	<5
523309	Drill Core			2.53	0.575	<2	19	682	23	7.9	<2	<2	149	1.57	1335	<20	<4	2	32	0.6	76
523310	Drill Core			1.62	1.248	<2	10	242	107	4.4	<2	<2	255	4.51	2042	<20	<4	4	114	1.0	78
523311	Drill Core			1.48	0.609	3	14	79	74	8.3	<2	<2	152	2.94	890	<20	<4	6	72	0.8	50

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 09, 2010

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CERTIFICATE OF ANALYSIS WHI10000311.1

		Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
		Analyte	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S
		Unit	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	5	2	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1
523296	Drill Core		<5	29	0.02	0.036	11	44	0.19	580	0.20	5.48	0.01	2.88	<4	13	6	7	7	<1	9	0.6
523297	Drill Core		<5	15	<0.01	0.022	11	8	0.21	583	0.20	6.43	0.02	3.40	10	15	6	6	6	<1	9	0.5
523298	Rock Pulp		<5	154	0.91	0.113	40	72	0.60	1344	0.32	6.92	0.16	2.18	9	86	3	24	12	3	13	0.2
523299	Drill Core		<5	9	<0.01	0.014	12	<2	0.13	338	0.14	4.80	0.01	2.68	<4	15	9	5	5	<1	7	0.7
523300	Drill Core		<5	8	<0.01	0.018	5	<2	0.11	142	0.09	3.61	0.01	2.00	<4	6	10	3	3	<1	3	0.8
523301	Drill Core		<5	6	0.01	0.016	3	<2	0.13	985	0.03	4.35	0.02	2.10	<4	4	3	<2	<2	<1	<1	0.2
523302	Drill Core		<5	7	<0.01	0.008	3	<2	0.19	1831	0.04	7.07	0.02	3.34	<4	5	2	<2	<2	<1	<1	0.2
523303	Drill Core		<5	5	21.93	0.019	2	2	11.81	36	0.02	0.28	0.03	0.11	<4	<2	<2	<2	<2	<1	<1	<0.1
523304	Drill Core		<5	11	0.01	0.010	3	<2	0.21	411	0.05	6.71	0.02	3.06	<4	5	8	<2	<2	<1	1	0.5
523305	Drill Core		<5	11	<0.01	0.011	10	<2	0.14	1014	0.06	4.23	0.02	2.23	<4	32	5	4	5	1	2	0.2
523306	Drill Core		<5	6	<0.01	0.014	9	<2	0.11	81	0.03	3.79	0.01	1.99	<4	32	6	5	6	1	2	1.6
523307	Drill Core		<5	6	<0.01	0.046	17	<2	0.06	35	0.02	1.88	0.01	0.86	<4	15	50	6	2	<1	3	8.8
523308	Drill Core		<5	<2	20.95	0.013	2	<2	11.74	15	<0.01	0.04	<0.01	0.02	<4	<2	<2	<2	<2	<1	<1	<0.1
523309	Drill Core		<5	54	0.01	0.009	10	2	0.19	463	0.23	5.42	0.02	2.86	8	15	6	3	7	<1	8	0.4
523310	Drill Core		<5	206	0.06	0.044	4	22	0.34	130	0.44	7.66	0.02	4.03	12	18	8	2	9	1	20	1.1
523311	Drill Core		<5	189	0.05	0.025	6	11	0.36	616	0.42	7.47	0.02	4.02	11	27	5	5	10	1	15	0.6

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

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CERTIFICATE OF ANALYSIS WHI10000311.1

		Method	7TD
		Analyte	Pb
		Unit	%
		MDL	0.02
523296	Drill Core		
523297	Drill Core		
523298	Rock Pulp		
523299	Drill Core		
523300	Drill Core		1.30
523301	Drill Core		
523302	Drill Core		
523303	Drill Core		
523304	Drill Core		
523305	Drill Core		
523306	Drill Core		
523307	Drill Core		2.91
523308	Drill Core		
523309	Drill Core		
523310	Drill Core		
523311	Drill Core		

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620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 07, 2010

CERTIFICATE OF ANALYSIS WHI10000312.1

	Method	G6Gr	G6Gr	7TD	7TD	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Ag	Au	Pb	Zn	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
	Unit	gm/mt	gm/mt	%	%	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	MDL	50	0.9	0.02	0.01	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2
523312	Drill Core					1.73	0.011	<2	53	37	92	<0.5	7	25	6719	6.44	39	<20	<4	<2	332
523313	Drill Core					1.44	0.037	<2	62	38	101	<0.5	9	34	>10000	8.74	93	<20	<4	5	158
523314	Drill Core					1.74	0.016	<2	60	13	235	<0.5	14	26	1517	7.28	65	<20	<4	5	331
523315	Rock Pulp					0.10	5.646	2	116	22	69	81.0	9	13	1002	4.03	80	<20	<4	3	390
523316	Drill Core					3.67	0.028	<2	44	22	665	<0.5	20	22	2239	6.01	147	<20	<4	<2	257
523317	Drill Core					2.69	0.023	<2	161	212	1155	1.2	17	23	>10000	5.16	665	<20	<4	2	124
523318	Drill Core					1.98	<0.005	<2	21	17	100	<0.5	<2	<2	409	1.16	58	<20	<4	8	67
523319	Drill Core					1.26	<0.005	<2	16	10	61	<0.5	<2	<2	102	1.05	129	<20	<4	9	26
523320	Drill Core					0.83	<0.005	<2	4	18	607	<0.5	<2	5	1161	0.99	73	<20	<4	<2	564
523321	Drill Core					1.58	0.009	<2	4	19	611	<0.5	2	8	1076	2.56	46	<20	<4	<2	189
523322	Drill Core					1.70	<0.005	<2	2	24	104	<0.5	<2	<2	449	0.61	12	<20	<4	<2	149
523323	Drill Core					1.73	<0.005	<2	<2	20	76	<0.5	<2	<2	226	0.58	<5	<20	<4	3	538
523324	Drill Core					2.11	<0.005	<2	4	18	183	<0.5	<2	<2	397	0.73	10	<20	<4	<2	279
523325	Drill Core					3.04	0.059	<2	9	57	357	0.7	<2	<2	246	0.99	255	<20	<4	<2	107
523326	Drill Core					1.53	0.201	<2	13	532	85	0.9	<2	<2	176	0.77	301	<20	<4	<2	27
523327	Drill Core	300	<0.9			1.65	0.622	<2	201	2583	2143	>200	<2	<2	164	1.42	1275	<20	<4	<2	30
523328	Drill Core					1.57	0.345	<2	64	1119	263	11.0	<2	<2	235	0.91	725	<20	<4	<2	10
523329	Rock Pulp					0.10	5.863	3	128	18	73	93.4	10	15	1093	4.37	88	<20	8	2	416
523330	Drill Core					2.59	0.689	<2	28	920	103	6.2	<2	<2	214	1.00	817	<20	<4	<2	13
523331	Drill Core					1.68	0.475	<2	66	2287	359	17.5	<2	<2	156	1.24	732	<20	<4	<2	21
523332	Drill Core					1.18	0.401	<2	37	1013	115	11.2	<2	<2	145	1.02	792	<20	<4	<2	38
523333	Drill Core					2.45	0.498	<2	18	584	37	9.8	<2	<2	155	0.83	632	<20	<4	<2	18
523334	Drill Core					1.50	0.290	<2	20	772	44	7.0	<2	<2	148	1.04	387	<20	<4	<2	12
523335	Drill Core	492	6.0	4.39	1.46	0.85	5.310	<2	1769	>10000	>10000	>200	<2	3	242	5.82	8541	<20	<4	<2	37
523336	Drill Core					1.55	0.882	<2	374	7641	5284	70.2	<2	<2	169	1.86	2375	<20	<4	<2	20
523337	Drill Core					1.19	4.558	<2	47	1601	1118	8.7	<2	<2	163	3.22	7851	<20	<4	<2	13
523338	Drill Core	527	23.1	2.58	3.09	1.01	>10	<2	1065	>10000	>10000	>200	<2	<2	387	10.00	>10000	<20	21	<2	12
523339	Rock Pulp					0.10	0.218	296	1844	40	134	14.8	5	6	415	1.86	14	21	<4	<2	619
523340	Drill Core					1.12	0.954	<2	17	738	227	6.8	<2	<2	134	2.05	2027	<20	<4	<2	8
523341	Drill Core	193	5.3	1.02	2.15	0.91	5.970	<2	633	9976	>10000	>200	<2	<2	289	6.34	>10000	<20	5	<2	12

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
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Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 07, 2010

CERTIFICATE OF ANALYSIS WHI10000312.1

	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be
	Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.4	5	5	2	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1
523312	Drill Core	<0.4	8	6	274	4.29	0.080	8	16	2.33	559	0.44	7.62	1.32	1.34	7	7	<2	12	6	1
523313	Drill Core	<0.4	6	8	195	5.27	0.100	19	22	0.80	672	0.36	7.75	0.21	2.22	<4	8	<2	17	7	2
523314	Drill Core	<0.4	<5	8	247	2.10	0.096	12	51	2.21	793	0.43	7.49	1.54	1.06	<4	8	<2	13	9	1
523315	Rock Pulp	<0.4	8	15	124	4.20	0.054	8	11	1.42	596	0.29	7.02	2.25	0.92	4	16	5	17	5	<1
523316	Drill Core	1.7	10	<5	246	2.05	0.073	8	50	2.12	504	0.39	7.32	1.48	1.14	<4	7	<2	11	6	1
523317	Drill Core	5.3	35	7	190	1.21	0.042	8	24	0.57	960	0.25	8.97	0.05	2.55	<4	11	<2	19	4	2
523318	Drill Core	<0.4	24	<5	7	0.29	0.007	13	3	0.21	393	0.05	5.88	1.90	0.75	<4	28	<2	13	7	<1
523319	Drill Core	<0.4	41	<5	3	0.18	0.005	9	<2	0.11	106	0.04	5.95	1.16	0.54	<4	27	<2	18	6	<1
523320	Drill Core	1.7	14	<5	26	0.69	0.025	5	4	0.11	2729	0.11	6.73	2.63	2.63	<4	6	<2	4	3	2
523321	Drill Core	3.2	22	<5	77	1.10	0.049	7	2	0.47	124	0.23	7.20	0.60	3.11	<4	8	<2	5	6	2
523322	Drill Core	<0.4	17	<5	8	1.00	0.009	4	<2	0.21	2246	0.04	6.90	0.07	2.38	<4	5	<2	3	2	1
523323	Drill Core	<0.4	6	<5	8	0.99	0.011	3	<2	0.33	2486	0.05	6.44	2.53	2.36	<4	4	<2	2	2	1
523324	Drill Core	0.6	12	<5	11	0.55	0.017	4	<2	0.39	2231	0.06	6.89	1.30	2.51	<4	5	<2	3	3	1
523325	Drill Core	6.6	63	<5	20	0.06	0.019	<2	<2	0.17	596	0.09	6.84	0.05	3.30	<4	10	<2	3	2	1
523326	Drill Core	<0.4	116	<5	9	0.04	0.011	<2	3	0.22	1285	0.06	6.55	0.02	2.43	<4	8	<2	<2	2	1
523327	Drill Core	159.2	437	<5	8	0.03	0.012	<2	<2	0.22	208	0.04	5.62	<0.01	2.81	<4	8	6	<2	2	<1
523328	Drill Core	40.7	212	<5	8	0.04	0.010	<2	3	0.25	750	0.05	6.57	0.01	3.38	<4	8	6	<2	<2	<1
523329	Rock Pulp	<0.4	<5	13	141	4.56	0.060	9	13	1.56	653	0.32	7.41	2.51	1.00	5	17	6	19	6	<1
523330	Drill Core	11.2	94	<5	8	0.03	0.006	<2	<2	0.23	899	0.05	6.33	<0.01	2.93	<4	8	6	<2	<2	<1
523331	Drill Core	25.2	330	<5	10	0.06	0.011	3	3	0.21	273	0.06	5.71	0.16	2.85	<4	8	4	<2	<2	<1
523332	Drill Core	13.1	206	<5	12	0.04	0.012	<2	<2	0.21	1410	0.05	5.95	0.01	2.52	<4	10	7	<2	2	1
523333	Drill Core	1.7	86	<5	10	0.06	0.010	2	3	0.25	1564	0.06	6.66	0.03	2.40	<4	6	7	<2	<2	1
523334	Drill Core	3.7	64	<5	11	0.04	0.007	<2	<2	0.22	669	0.06	6.06	0.01	3.05	<4	5	7	<2	2	<1
523335	Drill Core	468.0	1467	<5	40	0.05	0.039	3	8	0.17	25	0.10	4.72	0.03	2.28	<4	8	18	3	<2	<1
523336	Drill Core	211.9	1178	<5	8	0.05	0.018	4	<2	0.20	236	0.04	6.33	0.01	2.90	<4	4	11	<2	<2	1
523337	Drill Core	44.2	307	<5	8	0.04	0.010	<2	5	0.21	38	0.03	6.40	0.01	2.98	<4	4	8	<2	<2	<1
523338	Drill Core	589.6	1874	<5	6	0.02	0.013	2	3	0.08	22	0.02	2.79	<0.01	1.22	<4	3	16	7	<2	<1
523339	Rock Pulp	1.3	30	<5	32	1.95	0.042	6	7	0.23	889	0.12	8.03	3.15	2.01	<4	8	<2	4	<2	1
523340	Drill Core	9.1	87	<5	7	0.02	0.004	<2	6	0.18	54	0.03	5.27	0.01	2.57	<4	4	8	<2	<2	<1
523341	Drill Core	473.5	1185	<5	13	0.01	0.009	6	3	0.14	16	0.04	3.99	<0.01	1.93	<4	3	16	3	<2	<1

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 07, 2010

CERTIFICATE OF ANALYSIS WHI10000312.1

		Method	1E	1E
		Analyte	Sc	S
		Unit	ppm	%
		MDL	1	0.1
523312	Drill Core		29	0.2
523313	Drill Core		25	0.2
523314	Drill Core		25	<0.1
523315	Rock Pulp		14	<0.1
523316	Drill Core		26	<0.1
523317	Drill Core		23	0.2
523318	Drill Core		7	<0.1
523319	Drill Core		8	<0.1
523320	Drill Core		1	0.3
523321	Drill Core		3	1.8
523322	Drill Core		<1	0.2
523323	Drill Core		<1	0.2
523324	Drill Core		1	0.3
523325	Drill Core		2	0.5
523326	Drill Core		<1	0.4
523327	Drill Core		1	1.3
523328	Drill Core		1	0.6
523329	Rock Pulp		15	<0.1
523330	Drill Core		<1	0.4
523331	Drill Core		1	0.7
523332	Drill Core		1	0.3
523333	Drill Core		1	0.2
523334	Drill Core		<1	0.5
523335	Drill Core		5	7.1
523336	Drill Core		2	1.9
523337	Drill Core		1	2.6
523338	Drill Core		1	10.3
523339	Rock Pulp		2	0.4
523340	Drill Core		1	1.9
523341	Drill Core		2	7.0

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CERTIFICATE OF ANALYSIS WHI10000312.1

	Method	G6Gr	G6Gr	7TD	7TD	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Ag	Au	Pb	Zn	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
	Unit	gm/mt	gm/mt	%	%	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	MDL	50	0.9	0.02	0.01	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2
523342	Drill Core					0.79	4.218	<2	183	3721	2667	114.8	<2	3	153	4.38	5803	<20	<4	<2	11
523343	Drill Core			1.65	1.25	2.01	5.093	<2	505	>10000	>10000	72.4	<2	<2	242	4.35	>10000	<20	5	<2	15
523344	Drill Core					1.42	0.609	<2	55	752	1197	4.2	2	3	135	2.27	1434	<20	<4	<2	10
523345	Drill Core					1.84	1.285	<2	246	3166	665	38.5	2	5	92	2.93	2097	<20	<4	2	24
523346	Drill Core					1.55	0.544	<2	80	1008	323	14.2	15	11	119	4.10	798	<20	<4	3	22
523347	Drill Core					0.86	0.009	<2	3	14	10	<0.5	<2	<2	213	0.46	<5	<20	<4	<2	40
523348	Drill Core					0.78	0.260	3	37	528	301	5.8	3	<2	74	2.26	1155	<20	<4	8	53
523349	Drill Core					0.92	0.731	3	30	1057	37	19.8	3	<2	67	1.75	1269	<20	<4	14	43
523350	Drill Core					0.66	0.034	4	16	383	89	1.6	<2	<2	57	1.14	355	<20	<4	11	52
523351	Drill Core					0.73	0.113	3	47	979	52	7.5	<2	<2	88	0.96	496	<20	<4	11	17
523352	Drill Core					0.97	0.096	2	454	2445	650	10.9	<2	<2	104	1.30	584	<20	<4	12	16
523353	Drill Core					0.73	0.205	3	69	2077	415	42.2	<2	<2	86	1.12	640	<20	<4	13	25
523354	Drill Core					1.20	0.573	<2	40	3469	69	30.0	<2	<2	117	1.55	1305	<20	<4	13	25
523355	Drill Core					1.68	0.522	<2	34	1552	146	19.7	<2	<2	87	1.85	1427	<20	<4	15	65
523356	Drill Core					1.88	0.574	<2	39	1275	313	28.8	<2	<2	100	3.20	3296	<20	<4	6	35
523357	Drill Core					2.33	0.436	3	41	2762	360	17.4	<2	<2	100	2.18	1983	<20	<4	9	33
523358	Drill Core					1.10	0.048	4	74	345	778	3.7	<2	<2	74	5.17	2161	<20	<4	6	44
523359	Rock Pulp					0.10	0.379	7	46	138	316	1.0	59	16	1044	4.00	878	<20	<4	13	250

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
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CERTIFICATE OF ANALYSIS WHI10000312.1

	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be
	Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.4	5	5	2	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1
523342	Drill Core	44.0	491	<5	18	<0.01	0.013	4	7	0.18	23	0.10	5.38	0.01	2.56	<4	6	14	3	2	<1
523343	Drill Core	309.9	>4000	<5	15	<0.01	0.015	3	2	0.20	27	0.07	6.18	<0.01	2.85	<4	4	26	<2	<2	<1
523344	Drill Core	20.0	152	<5	37	<0.01	0.010	2	12	0.24	48	0.11	7.77	0.01	3.33	<4	6	8	<2	3	<1
523345	Drill Core	23.7	398	<5	74	<0.01	0.019	6	10	0.14	85	0.19	3.95	0.01	1.85	5	7	9	5	3	<1
523346	Drill Core	8.8	69	<5	173	0.01	0.019	10	39	0.33	29	0.40	6.37	<0.01	3.28	6	10	4	7	7	1
523347	Drill Core	<0.4	<5	<5	<2	20.48	0.014	<2	<2	13.10	42	<0.01	0.05	<0.01	0.01	<4	<2	<2	<2	<2	<1
523348	Drill Core	6.4	122	<5	80	0.06	0.046	15	18	0.28	378	0.26	6.39	0.02	3.05	6	25	3	10	9	2
523349	Drill Core	2.9	114	<5	115	0.06	0.035	19	37	0.29	457	0.27	5.26	0.02	2.85	6	16	7	6	7	1
523350	Drill Core	0.5	89	<5	30	0.04	0.015	7	9	0.27	576	0.11	6.07	0.03	3.15	<4	38	<2	8	12	1
523351	Drill Core	1.8	47	<5	3	0.01	0.011	17	<2	0.19	605	0.06	6.23	0.02	3.19	<4	45	5	7	10	1
523352	Drill Core	8.7	49	<5	6	0.01	0.009	17	4	0.18	654	0.05	6.43	0.02	3.14	<4	47	5	7	10	1
523353	Drill Core	6.6	125	<5	4	0.02	0.011	20	<2	0.17	593	0.06	5.42	0.02	2.84	<4	44	6	7	9	1
523354	Drill Core	1.5	103	<5	23	0.05	0.015	84	7	0.18	1321	0.18	5.06	0.02	2.60	8	42	7	5	5	<1
523355	Drill Core	8.4	138	<5	13	0.05	0.014	35	3	0.12	860	0.09	3.47	0.02	1.67	<4	29	4	5	5	<1
523356	Drill Core	7.6	87	<5	2	0.03	0.013	13	17	0.10	98	0.03	3.14	0.02	1.66	<4	25	<2	5	4	<1
523357	Drill Core	22.3	103	<5	3	0.04	0.017	14	2	0.12	793	0.03	3.58	0.02	1.91	<4	29	2	6	<2	1
523358	Drill Core	64.2	127	<5	17	0.13	0.042	14	9	0.28	481	0.24	8.51	0.01	3.29	<4	19	2	15	5	2
523359	Rock Pulp	2.9	566	<5	151	0.95	0.119	42	69	0.59	1799	0.31	7.13	0.16	2.21	8	80	4	25	9	3

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 07, 2010

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CERTIFICATE OF ANALYSIS WHI10000312.1

		Method	1E	1E
		Analyte	Sc	S
		Unit	ppm	%
		MDL	1	0.1
523342	Drill Core		2	4.6
523343	Drill Core		2	5.0
523344	Drill Core		4	2.2
523345	Drill Core		9	3.0
523346	Drill Core		17	4.1
523347	Drill Core		<1	0.1
523348	Drill Core		11	0.7
523349	Drill Core		12	0.6
523350	Drill Core		5	0.3
523351	Drill Core		3	0.3
523352	Drill Core		3	0.6
523353	Drill Core		3	0.4
523354	Drill Core		3	0.4
523355	Drill Core		2	0.3
523356	Drill Core		2	1.4
523357	Drill Core		2	0.2
523358	Drill Core		12	0.3
523359	Rock Pulp		13	0.2

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PO Box 11604
Vancouver BC V6B 4N9 Canada

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CERTIFICATE OF ANALYSIS WHI10000313.1

	Method	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5	5	2
523360	Drill Core	1.75	0.594	<2	18	79	321	8.5	<2	<2	173	4.06	2143	<20	<4	4	21	4.9	195	<5	64
523361	Drill Core	3.11	0.826	<2	77	316	1117	8.9	7	5	262	6.99	2781	<20	<4	3	89	8.4	262	<5	169
523362	Drill Core	0.90	0.227	<2	46	212	4193	1.9	16	22	7498	6.65	846	<20	<4	2	50	57.6	89	<5	265
RE 523362	Drill Core		0.233	<2	46	204	4154	1.7	16	22	7284	6.62	841	<20	<4	2	51	57.2	99	<5	265
523363	Drill Core	0.98	0.018	<2	15	16	3849	<0.5	14	38	8965	3.54	84	<20	<4	4	18	12.9	48	<5	64
523364	Drill Core	2.48	0.019	<2	16	11	1982	<0.5	7	17	4069	3.30	167	<20	<4	4	38	26.4	41	<5	60
523365	Drill Core	1.56	0.043	<2	40	110	2497	1.5	14	18	2819	3.54	176	<20	<4	2	35	38.3	37	<5	99
523366	Drill Core	1.19	0.073	<2	103	30	122	0.7	<2	<2	113	1.03	119	<20	<4	3	48	0.8	24	<5	54
523367	Drill Core	2.14	0.581	<2	19	491	62	7.6	<2	<2	102	1.61	841	<20	<4	5	104	1.8	67	<5	73
523368	Drill Core	2.20	1.050	<2	206	1216	167	25.0	<2	<2	65	1.35	2651	<20	<4	8	132	4.6	94	<5	25
523369	Drill Core	2.54	0.441	<2	58	1654	221	12.2	<2	<2	87	1.76	1385	<20	<4	15	87	16.9	120	<5	8
523370	Drill Core	2.41	0.379	<2	78	1143	573	12.5	<2	<2	93	1.86	1542	<20	<4	10	45	35.7	145	<5	4
523371	Drill Core	0.47	<0.005	2	<2	6	14	<0.5	3	<2	232	0.62	<5	<20	<4	<2	50	<0.4	<5	<5	6
523372	Drill Core	4.71	0.198	2	40	518	201	6.3	<2	<2	88	1.26	979	<20	<4	13	23	18.1	60	<5	3
523373	Drill Core	1.66	0.017	<2	51	724	245	3.3	<2	<2	73	1.58	976	<20	<4	13	29	20.8	65	<5	2
523374	Drill Core	2.54	2.053	7	904	>10000	1962	184.1	<2	<2	85	5.75	8619	<20	<4	<2	53	152.6	2319	19	11
523375	Rock Pulp	0.10	2.172	11	147	34	156	0.9	42	150	3633	7.98	4423	<20	<4	<2	360	2.6	18	55	104
523376	Drill Core	4.20	0.032	2	17	761	107	4.3	<2	<2	86	1.38	508	<20	<4	5	27	3.0	43	<5	6

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 07, 2010

CERTIFICATE OF ANALYSIS WHI10000313.1

Method		1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	7TD
Analyte		Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S	Pb
Unit		%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1	0.02
523360	Drill Core	0.02	0.024	10	12	0.20	1177	0.11	5.98	0.02	2.81	<4	16	<2	6	4	<1	11	0.3	
523361	Drill Core	0.04	0.063	10	35	0.27	541	0.26	7.88	0.02	3.18	<4	11	<2	5	3	1	22	0.8	
523362	Drill Core	1.33	0.098	12	44	0.53	178	0.51	9.99	<0.01	1.51	12	13	<2	22	5	2	31	1.7	
RE 523362	Drill Core	1.37	0.099	16	44	0.54	143	0.48	10.19	<0.01	1.50	15	13	<2	25	5	2	33	1.7	
523363	Drill Core	0.55	0.039	14	4	0.31	216	0.25	8.72	<0.01	1.14	<4	13	<2	35	5	1	14	0.4	
523364	Drill Core	1.05	0.037	17	3	0.54	168	0.23	7.77	0.01	2.23	<4	13	<2	25	4	1	13	1.8	
523365	Drill Core	0.37	0.054	8	7	0.43	83	0.22	8.04	0.01	3.36	<4	21	<2	18	4	1	14	2.7	
523366	Drill Core	0.06	0.016	8	3	0.24	679	0.22	7.99	0.02	3.52	<4	18	<2	9	4	<1	12	0.5	
523367	Drill Core	0.06	0.023	12	19	0.18	648	0.21	5.34	0.01	2.34	4	11	<2	5	4	<1	8	0.4	
523368	Drill Core	0.08	0.026	24	5	0.11	355	0.14	4.40	0.01	1.47	4	74	<2	9	8	<1	4	0.3	
523369	Drill Core	0.06	0.015	26	<2	0.14	852	0.06	4.08	0.01	1.79	<4	34	3	7	6	1	2	0.3	
523370	Drill Core	0.06	0.015	11	<2	0.13	938	0.03	3.90	0.01	1.93	<4	31	3	8	6	1	2	0.3	
523371	Drill Core	20.83	0.021	<2	4	13.21	44	0.01	0.32	0.03	0.11	<4	<2	<2	<2	<2	<1	<1	0.1	
523372	Drill Core	0.04	0.012	15	<2	0.18	811	0.04	5.65	0.01	2.74	<4	42	2	9	8	1	3	<0.1	
523373	Drill Core	0.06	0.016	13	<2	0.20	747	0.05	6.18	0.02	3.00	<4	45	<2	8	8	2	3	<0.1	
523374	Drill Core	0.04	0.058	5	4	0.08	28	0.03	2.46	0.01	1.15	<4	9	16	3	<2	<1	2	3.0	2.82
523375	Rock Pulp	14.17	0.112	34	57	1.84	216	0.23	4.93	0.84	0.96	21	44	2	20	<2	<1	12	0.8	
523376	Drill Core	0.05	0.010	3	2	0.19	1383	0.05	6.36	0.02	3.12	<4	27	<2	4	6	1	2	0.3	

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 22, 2010

CERTIFICATE OF ANALYSIS WHI10000314.1

	Method	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5	5	2
523377	Drill Core	1.45	1.675	<2	73	501	73	19.1	<2	<2	100	0.96	998	<20	<4	10	25	2.9	71	<5	2
523378	Drill Core	1.58	0.618	<2	29	371	79	8.3	<2	<2	127	1.14	785	<20	<4	11	23	2.7	54	<5	3
523379	Drill Core	1.61	0.906	<2	83	2546	255	42.2	<2	<2	100	1.96	3344	<20	<4	7	44	8.7	163	<5	4
523380	Drill Core	1.68	2.222	3	137	5377	443	86.6	<2	<2	86	3.91	8296	<20	<4	9	56	26.1	293	<5	6
523381	Rock Pulp	0.10	0.882	531	5320	28	22	3.8	9	6	322	2.00	12	<20	<4	<2	699	<0.4	6	5	34
523382	Drill Core	1.26	0.169	3	67	1135	333	26.4	<2	<2	114	2.91	2094	<20	<4	11	51	13.3	113	<5	4
523383	Drill Core	1.08	0.403	2	109	2338	394	43.0	<2	<2	103	3.05	4338	<20	<4	20	70	28.3	202	<5	3
523384	Drill Core	1.45	0.019	2	38	183	129	2.6	<2	<2	120	0.94	543	<20	<4	15	53	7.7	26	<5	<2

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 22, 2010

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CERTIFICATE OF ANALYSIS WHI10000314.1

	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S
	Unit	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1
523377	Drill Core	0.04	0.006	13	<2	0.16	1516	0.04	4.60	0.02	2.48	<4	37	<2	8	7	1	2	0.1
523378	Drill Core	0.04	0.006	20	<2	0.19	986	0.05	5.45	0.02	2.91	<4	45	3	8	8	1	2	0.2
523379	Drill Core	0.03	0.010	10	<2	0.14	293	0.04	3.75	0.02	2.05	<4	32	5	5	5	<1	2	0.4
523380	Drill Core	0.07	0.022	13	2	0.13	1642	0.03	3.52	0.01	1.91	<4	29	8	6	5	<1	2	0.3
523381	Rock Pulp	1.31	0.042	7	14	0.20	162	0.08	5.94	1.89	2.68	5	7	<2	4	<2	<1	2	1.2
523382	Drill Core	0.06	0.013	11	4	0.18	826	0.05	4.88	0.02	2.59	<4	36	5	8	9	1	3	0.2
523383	Drill Core	0.06	0.019	17	<2	0.17	2281	0.04	4.52	0.02	2.46	<4	36	4	13	7	1	2	0.2
523384	Drill Core	0.05	0.011	17	<2	0.16	721	0.05	6.49	0.03	3.84	<4	48	<2	13	11	1	3	<0.1

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 03, 2010

CERTIFICATE OF ANALYSIS WHI10000315.1

	Method	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5	5	2
515241	Rock	2.54	<0.005	<2	20	19	80	<0.5	21	6	317	2.43	7	<20	<4	4	416	<0.4	<5	<5	107
515242	Rock	2.26	<0.005	<2	15	20	116	<0.5	39	16	819	4.51	19	<20	<4	4	325	0.7	<5	<5	195
515243	Rock	2.27	<0.005	<2	3	23	51	<0.5	2	3	245	1.48	5	<20	<4	2	994	<0.4	<5	<5	37
515244	Rock	2.73	<0.005	<2	4	17	103	<0.5	21	15	1003	4.48	8	<20	<4	2	550	0.6	<5	<5	162
515245	Rock	2.61	<0.005	<2	17	16	68	<0.5	18	8	409	2.88	15	<20	<4	5	515	<0.4	<5	<5	100
515246	Rock	0.32	0.021	<2	<2	<5	19	<0.5	3	<2	232	0.54	<5	<20	<4	<2	51	<0.4	<5	<5	6
515247	Rock	2.29	<0.005	<2	19	15	110	<0.5	40	14	945	4.52	21	<20	<4	5	179	0.4	8	<5	197
515248	Rock	2.43	<0.005	<2	2	13	34	<0.5	10	9	342	1.67	9	<20	<4	<2	450	<0.4	<5	<5	46
515249	Rock	3.63	<0.005	<2	23	19	153	<0.5	34	11	915	3.98	84	<20	<4	5	42	1.7	11	<5	175
515250	Rock	2.60	<0.005	<2	14	20	72	<0.5	17	5	537	2.31	89	<20	<4	5	274	<0.4	5	<5	104
515251	Rock	2.69	<0.005	<2	22	13	114	<0.5	23	10	709	3.90	24	<20	<4	7	280	0.7	<5	<5	170
515252	Rock	2.45	0.006	<2	6	12	79	<0.5	45	21	983	4.35	33	<20	<4	<2	404	0.5	<5	<5	137
515253	Rock	2.75	0.006	<2	19	12	94	<0.5	16	16	1794	4.88	44	<20	<4	2	101	0.6	19	<5	149
515254	Rock	2.78	<0.005	<2	9	12	57	<0.5	10	8	582	2.99	19	<20	<4	2	519	<0.4	<5	<5	89
515255	Rock	2.91	<0.005	<2	10	24	39	<0.5	6	3	280	1.19	20	<20	<4	3	453	<0.4	7	<5	28
515256	Rock	2.82	0.080	<2	18	26	99	<0.5	25	8	1338	2.81	569	<20	<4	4	39	<0.4	50	<5	117
515257	Rock	2.55	1.353	<2	26	46	104	15.7	29	9	4641	1.88	1422	<20	<4	3	104	0.4	1303	<5	74
515258	Rock	5.38	0.011	<2	8	18	30	<0.5	9	3	202	1.46	87	<20	<4	5	199	<0.4	29	<5	56
515259	Rock	2.35	0.006	<2	18	11	111	<0.5	16	32	1616	7.98	25	<20	<4	2	396	0.6	14	<5	412
515260	Rock	2.15	<0.005	<2	<2	21	25	<0.5	<2	3	234	1.26	15	<20	<4	<2	971	<0.4	<5	<5	27
515261	Rock Pulp	0.15	2.084	9	142	20	178	0.9	40	143	3761	8.38	4412	<20	<4	2	361	1.4	19	47	100
515262	Rock	2.96	0.010	<2	8	12	45	<0.5	4	7	837	3.44	57	<20	<4	4	296	<0.4	7	<5	63
515263	Rock	2.98	0.008	<2	5	20	51	<0.5	4	6	569	2.95	92	<20	<4	6	480	<0.4	6	<5	63
515264	Rock	2.85	0.013	<2	12	31	87	<0.5	9	10	995	2.73	197	<20	<4	5	143	<0.4	24	<5	73
515265	Rock	2.90	0.014	<2	40	13	118	<0.5	9	8	399	6.86	572	<20	<4	3	70	<0.4	53	<5	161
515266	Rock	2.78	0.006	<2	5	20	39	<0.5	3	<2	104	2.51	191	<20	<4	4	212	<0.4	39	<5	74
515267	Rock	2.60	0.063	<2	7	15	47	0.9	6	4	182	3.11	325	<20	<4	2	73	<0.4	66	<5	98
515268	Rock	2.82	0.007	<2	10	16	68	<0.5	8	5	179	3.89	247	<20	<4	3	116	<0.4	31	<5	87
RRE 515268	Rock		0.006	<2	9	19	75	<0.5	7	5	174	3.77	241	<20	<4	3	111	<0.4	33	<5	86
515269	Rock	2.85	<0.005	<2	8	15	67	<0.5	4	9	356	2.78	86	<20	<4	<2	537	<0.4	<5	<5	71

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 03, 2010

CERTIFICATE OF ANALYSIS WHI10000315.1

Method		1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
Analyte		Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S
Unit		%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1
515241	Rock	1.25	0.049	13	25	0.85	1404	0.27	6.17	2.44	2.58	<4	22	<2	10	7	2	7	0.1
515242	Rock	1.68	0.071	14	68	1.75	1804	0.46	6.84	1.75	2.95	<4	12	<2	15	7	2	17	<0.1
515243	Rock	1.25	0.049	6	3	0.38	2727	0.17	7.22	3.63	3.78	<4	23	<2	6	6	2	3	0.1
515244	Rock	2.76	0.111	8	48	1.74	2223	0.43	7.40	2.75	2.58	<4	17	<2	14	7	2	15	0.2
515245	Rock	1.02	0.066	14	27	0.66	1940	0.32	6.51	2.52	2.76	<4	21	<2	11	8	2	8	0.3
515246	Rock	22.55	0.020	2	3	13.38	49	0.02	0.50	0.04	0.13	<4	2	<2	<2	<2	<1	<1	<0.1
515247	Rock	2.65	0.067	16	68	1.01	946	0.45	6.13	0.98	2.20	<4	6	2	14	10	2	14	<0.1
515248	Rock	1.02	0.049	7	11	0.30	1943	0.19	6.94	3.15	2.41	<4	9	<2	5	5	1	4	0.3
515249	Rock	0.43	0.055	18	69	0.36	767	0.39	6.90	0.11	2.82	<4	14	<2	12	7	2	16	<0.1
515250	Rock	0.57	0.038	13	25	0.39	1516	0.24	6.39	1.24	3.03	<4	15	<2	8	7	2	7	<0.1
515251	Rock	1.33	0.074	24	50	1.05	1830	0.41	6.50	1.04	2.59	<4	17	<2	14	10	2	16	<0.1
515252	Rock	3.51	0.046	6	90	2.19	1352	0.50	7.62	2.81	1.75	<4	14	<2	15	4	2	17	<0.1
515253	Rock	3.75	0.099	14	23	0.99	419	0.45	7.36	0.19	2.08	<4	15	<2	20	6	2	17	<0.1
515254	Rock	1.77	0.069	7	17	0.76	1256	0.30	6.77	3.47	1.73	<4	15	<2	10	6	2	10	<0.1
515255	Rock	0.51	0.019	8	5	0.21	2261	0.11	6.69	1.78	2.98	<4	17	<2	5	5	1	2	<0.1
515256	Rock	0.17	0.050	13	34	0.26	986	0.26	6.19	0.03	2.76	<4	17	2	9	7	1	9	<0.1
515257	Rock	0.15	0.023	10	22	0.23	638	0.18	4.69	0.01	2.29	<4	12	<2	12	6	1	5	0.2
515258	Rock	0.11	0.036	10	11	0.09	2234	0.18	7.14	0.08	2.68	<4	24	<2	7	6	1	4	<0.1
515259	Rock	5.09	0.087	10	44	3.77	2247	0.71	7.66	1.38	2.12	<4	14	<2	20	3	1	50	<0.1
515260	Rock	0.77	0.037	3	2	0.10	2002	0.13	6.99	3.09	2.38	<4	9	<2	5	5	2	2	<0.1
515261	Rock Pulp	14.99	0.106	32	49	1.90	661	0.24	5.38	0.91	1.07	16	54	<2	19	2	<1	12	0.7
515262	Rock	0.99	0.058	10	5	0.35	1087	0.29	7.33	2.87	2.19	<4	13	<2	20	5	1	12	<0.1
515263	Rock	0.71	0.083	10	5	0.32	1544	0.27	7.23	2.72	2.52	<4	24	<2	16	7	2	9	<0.1
515264	Rock	0.16	0.042	10	9	0.12	902	0.25	7.17	0.51	2.62	<4	29	<2	13	7	1	9	<0.1
515265	Rock	0.09	0.067	9	29	0.36	814	0.54	7.73	0.03	1.67	7	11	<2	25	5	2	24	0.1
515266	Rock	0.06	0.035	12	6	0.09	1835	0.36	7.29	0.08	2.74	8	23	<2	13	8	1	11	0.2
515267	Rock	0.17	0.033	8	22	0.17	711	0.38	5.76	0.18	1.69	5	9	<2	11	5	1	13	0.3
515268	Rock	0.14	0.040	9	17	0.11	1259	0.31	7.27	0.34	2.07	<4	16	<2	13	7	1	12	0.1
RRE 515268	Rock	0.13	0.038	9	16	0.10	1206	0.30	7.02	0.33	2.13	<4	17	<2	13	6	1	11	0.1
515269	Rock	1.28	0.039	4	6	0.39	2062	0.25	6.96	3.19	2.29	<4	11	<2	10	7	2	8	<0.1

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 03, 2010

CERTIFICATE OF ANALYSIS WHI10000315.1

	Method	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5	5	2
515270	Rock	2.50	0.020	<2	24	14	106	<0.5	10	17	1491	5.30	292	<20	<4	3	176	0.4	36	<5	125
515271	Rock	3.09	0.009	<2	17	19	73	<0.5	6	11	483	3.79	136	<20	<4	6	487	0.4	14	<5	131
515272	Rock	2.46	0.006	<2	14	10	96	<0.5	13	16	429	3.92	118	<20	<4	2	240	<0.4	12	<5	89
515273	Rock	2.74	0.009	<2	21	17	143	<0.5	20	17	2092	3.60	426	<20	<4	2	159	0.8	36	<5	90
515274	Rock	3.03	0.015	<2	13	17	80	<0.5	8	8	303	4.03	585	<20	<4	3	116	0.9	58	<5	109
515275	Rock	2.49	0.050	<2	24	19	142	1.5	19	13	2851	4.19	2145	<20	<4	3	85	0.8	88	<5	109
515276	Rock	3.54	0.327	<2	13	64	64	9.7	3	2	171	2.78	626	<20	<4	2	76	0.8	103	<5	67
515277	Rock	3.12	0.530	<2	4	18	15	3.9	<2	<2	240	1.38	287	<20	<4	<2	65	<0.4	81	<5	26
515278	Rock	3.43	0.146	<2	12	13	12	2.5	<2	<2	147	2.11	317	<20	<4	<2	49	0.4	102	<5	54
515279	Rock	0.46	0.006	<2	<2	<5	9	<0.5	3	<2	214	0.52	<5	<20	<4	<2	48	<0.4	<5	<5	6
515280	Rock	2.64	1.460	<2	26	13	19	3.6	<2	<2	312	1.42	699	<20	<4	<2	43	0.5	98	<5	40
515281	Rock	2.21	0.041	<2	9	10	8	2.1	<2	<2	70	1.83	262	<20	<4	3	48	0.5	60	<5	44
515282	Rock	2.38	0.047	<2	14	12	25	0.5	4	2	94	2.32	530	<20	<4	3	76	0.6	56	<5	61
515283	Rock	2.75	<0.005	<2	17	18	44	<0.5	8	5	360	2.11	48	<20	<4	5	240	<0.4	18	<5	65
515284	Rock	3.80	<0.005	<2	24	18	71	<0.5	11	8	323	2.98	23	<20	<4	5	123	0.4	29	<5	81
515285	Rock	3.22	<0.005	<2	8	18	36	<0.5	2	3	154	1.35	19	<20	<4	4	289	<0.4	31	<5	32
515286	Rock	3.65	<0.005	<2	7	15	34	<0.5	<2	3	139	1.08	14	23	<4	4	413	<0.4	29	<5	25
515287	Rock Pulp	0.15	0.939	542	5539	25	25	4.1	10	6	327	2.04	24	24	<4	<2	661	<0.4	7	<5	35
515288	Rock	2.38	0.007	<2	106	13	84	<0.5	5	8	389	3.12	16	29	<4	6	473	0.5	39	<5	63
515289	Rock	2.57	<0.005	<2	49	7	43	<0.5	4	5	235	2.03	38	<20	<4	7	251	<0.4	30	<5	34
515290	Rock	3.13	<0.005	<2	47	15	44	<0.5	4	5	1221	1.70	19	<20	<4	6	288	0.9	42	<5	30
515291	Rock	2.33	<0.005	<2	52	17	30	<0.5	3	4	322	1.74	15	<20	<4	6	480	<0.4	50	<5	32
515292	Rock	2.59	0.005	<2	75	15	54	<0.5	19	11	906	2.51	23	<20	<4	3	353	0.5	44	<5	67
515293	Rock	3.04	<0.005	<2	29	17	22	<0.5	4	5	193	2.16	17	21	<4	4	574	<0.4	22	<5	32
515294	Rock	4.25	<0.005	<2	21	12	31	<0.5	4	4	174	2.02	15	21	<4	5	566	<0.4	25	<5	33
515295	Rock	2.11	<0.005	<2	16	18	19	<0.5	2	2	135	1.67	15	<20	<4	4	165	<0.4	36	<5	34
515296	Rock	2.43	<0.005	<2	108	27	52	<0.5	36	7	591	2.11	29	<20	<4	4	295	<0.4	76	<5	46
515297	Rock	2.45	<0.005	<2	3	16	62	<0.5	6	7	477	2.99	7	<20	<4	3	301	0.4	22	<5	75
515298	Rock	2.69	<0.005	<2	6	17	52	<0.5	5	5	249	2.55	12	<20	<4	4	164	<0.4	25	<5	64
515299	Rock	2.89	<0.005	<2	8	16	63	<0.5	10	9	413	3.00	14	<20	<4	3	172	<0.4	34	<5	73

Acme Analytical Laboratories (Vancouver) Ltd.
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Phone (604) 253-3158 Fax (604) 253-1716
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620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 03, 2010

CERTIFICATE OF ANALYSIS WHI10000315.1

	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S
	Unit	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1
515270	Rock	0.56	0.063	12	16	0.36	923	0.42	6.84	0.90	1.76	7	17	<2	18	6	1	15	0.2
515271	Rock	1.05	0.056	9	8	0.48	1450	0.39	7.18	2.51	2.28	<4	53	<2	13	9	2	13	<0.1
515272	Rock	0.90	0.041	6	17	0.41	625	0.31	6.96	2.98	1.31	<4	11	<2	16	4	1	13	<0.1
515273	Rock	0.14	0.066	8	28	0.10	1110	0.39	7.73	0.28	1.97	16	16	<2	14	7	2	11	0.2
515274	Rock	0.13	0.059	11	15	0.12	805	0.39	8.16	0.11	1.36	13	12	<2	13	4	1	15	0.4
515275	Rock	0.21	0.056	12	39	0.17	826	0.33	7.70	0.11	1.66	12	10	<2	18	4	1	17	0.4
515276	Rock	0.16	0.031	7	20	0.19	294	0.23	4.63	0.10	2.09	<4	11	3	8	3	<1	8	0.4
515277	Rock	0.07	0.016	4	<2	0.13	361	0.09	3.93	0.02	1.85	<4	15	<2	3	<2	<1	3	0.3
515278	Rock	0.08	0.022	6	7	0.13	417	0.20	3.48	0.02	1.62	<4	6	<2	6	2	<1	7	0.5
515279	Rock	20.38	0.021	<2	3	12.92	45	0.01	0.22	0.03	0.11	<4	<2	<2	2	<2	<1	<1	0.1
515280	Rock	0.06	0.017	5	5	0.09	281	0.10	2.39	0.02	0.96	<4	4	<2	5	<2	1	7	0.1
515281	Rock	0.16	0.018	10	5	0.18	507	0.18	3.91	0.02	1.71	<4	8	<2	10	2	<1	6	0.4
515282	Rock	0.07	0.032	9	21	0.12	614	0.20	4.19	0.04	1.64	<4	7	<2	8	3	1	8	0.4
515283	Rock	0.05	0.038	12	14	0.08	2216	0.20	8.25	0.11	2.81	10	18	<2	10	7	1	7	<0.1
515284	Rock	0.10	0.054	12	20	0.15	1123	0.28	8.18	0.12	2.16	10	10	3	13	7	1	10	<0.1
515285	Rock	0.06	0.030	7	3	0.04	1916	0.16	8.20	0.16	3.19	8	29	<2	8	9	<1	4	<0.1
515286	Rock	0.04	0.026	7	<2	0.02	2542	0.14	7.92	0.13	3.49	<4	47	<2	6	11	1	2	<0.1
515287	Rock Pulp	1.29	0.041	6	12	0.20	160	0.08	5.39	1.92	2.76	<4	7	<2	4	<2	<1	2	1.2
515288	Rock	0.32	0.068	10	7	0.15	2179	0.25	9.59	1.67	1.71	9	43	<2	13	8	2	9	<0.1
515289	Rock	0.17	0.037	10	4	0.14	1919	0.17	9.25	0.44	1.53	<4	49	<2	10	8	2	5	<0.1
515290	Rock	0.18	0.032	15	4	0.13	2572	0.14	8.00	0.71	1.51	<4	36	<2	13	6	1	4	<0.1
515291	Rock	0.32	0.035	18	5	0.14	1809	0.15	9.32	1.74	1.37	5	35	<2	17	7	2	5	<0.1
515292	Rock	0.53	0.050	12	72	0.24	1708	0.17	8.26	1.44	1.87	10	21	3	16	5	2	8	<0.1
515293	Rock	0.32	0.030	9	4	0.14	1327	0.10	9.12	3.16	1.33	<4	36	<2	10	5	2	4	<0.1
515294	Rock	0.31	0.035	10	5	0.12	2245	0.15	8.38	2.54	2.09	<4	38	<2	10	7	2	4	<0.1
515295	Rock	0.06	0.023	12	3	0.08	1236	0.13	7.53	0.14	2.54	<4	25	<2	10	6	1	4	0.2
515296	Rock	0.38	0.052	14	54	0.20	2035	0.14	7.97	0.15	3.29	<4	39	<2	11	9	1	4	0.1
515297	Rock	0.49	0.075	9	6	0.30	1784	0.28	9.29	1.33	2.84	7	13	3	11	8	2	6	<0.1
515298	Rock	0.22	0.056	16	9	0.13	1430	0.25	8.87	0.28	2.66	8	14	<2	14	8	1	6	<0.1
515299	Rock	0.22	0.064	12	20	0.15	1471	0.30	8.62	0.29	2.35	12	13	<2	16	7	1	9	<0.1

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 03, 2010

CERTIFICATE OF ANALYSIS WHI10000315.1

	Method	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5	5	2
515300	Rock	2.10	<0.005	<2	9	15	57	<0.5	17	14	2781	2.52	10	<20	<4	4	108	0.6	30	<5	71

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620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 03, 2010

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CERTIFICATE OF ANALYSIS WHI10000315.1

Method		1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
Analyte		Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S
Unit		%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1
515300	Rock	0.20	0.060	14	33	0.12	1374	0.23	7.97	0.15	2.00	11	17	<2	31	6	1	9	<0.1

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 10, 2010

CERTIFICATE OF ANALYSIS WHI10000353.1

	Method	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5	5	2
523385	Drill Core		<0.005	<2	6	<5	244	<0.5	<2	<2	34	1.15	252	<20	<4	8	37	1.3	10	<5	3
523386	Drill Core		<0.005	<2	3	<5	166	<0.5	<2	<2	44	0.96	156	<20	<4	8	54	1.0	12	<5	4
523387	Drill Core		<0.005	<2	<2	<5	199	<0.5	<2	<2	29	1.34	28	<20	<4	7	49	0.4	9	<5	6
523388	Drill Core		<0.005	<2	<2	<5	1015	<0.5	<2	6	1269	0.98	<5	<20	<4	9	43	4.1	10	<5	3
523389	Drill Core		<0.005	<2	<2	<5	759	<0.5	<2	4	951	0.94	<5	<20	<4	11	65	6.5	<5	<5	3
523390	Drill Core		0.031	<2	18	219	525	4.0	<2	<2	110	2.06	394	<20	<4	8	29	2.3	35	<5	5
523391	Drill Core		<0.005	<2	<2	<5	17	<0.5	<2	<2	238	0.45	<5	<20	<4	<2	41	<0.4	<5	<5	<2
523392	Drill Core		0.199	<2	38	8	1937	<0.5	<2	9	1293	3.23	37	<20	<4	3	46	4.8	45	<5	18
523393	Drill Core		1.534	<2	65	9	1398	0.9	<2	14	1176	4.57	48	<20	<4	4	43	1.1	78	12	47
523394	Drill Core		0.202	<2	22	23	1125	2.1	<2	7	1744	3.70	754	<20	<4	4	36	3.6	63	<5	52
523395	Drill Core		1.997	<2	17	691	426	7.3	<2	8	193	3.86	4478	<20	<4	<2	10	8.2	132	<5	52
523396	Drill Core		0.363	<2	17	200	796	2.3	<2	7	2775	3.10	2984	<20	<4	4	28	7.1	50	<5	25
523397	Drill Core		0.077	<2	42	26	484	0.5	<2	7	3351	2.96	301	<20	<4	3	42	1.2	51	<5	46
523398	Drill Core		0.268	<2	46	108	530	6.3	<2	8	4255	3.99	3762	<20	<4	2	37	5.0	69	<5	13
523399	Drill Core		0.013	<2	52	15	251	<0.5	<2	8	2128	4.75	43	<20	<4	4	28	0.5	36	<5	53
523400	Rock Pulp		2.090	9	145	18	149	0.9	40	144	3566	7.81	5097	<20	<4	3	350	2.1	19	51	98
523401	Drill Core		0.016	<2	24	24	96	<0.5	<2	6	507	3.95	47	<20	<4	2	67	0.7	21	<5	30
523402	Drill Core		0.165	<2	11	144	353	1.2	<2	5	1166	3.14	686	<20	<4	3	75	2.6	25	<5	24
523403	Drill Core		0.080	<2	53	166	833	1.5	<2	5	1329	2.21	364	<20	<4	<2	36	3.6	57	<5	26
523404	Drill Core		1.204	<2	87	9042	>10000	71.6	5	7	1901	3.41	1771	<20	<4	<2	12	217.0	522	<5	16
523405	Drill Core		0.553	<2	39	1510	4415	15.9	10	13	1399	3.69	1006	<20	<4	4	98	67.8	111	<5	95
523406	Drill Core		0.218	<2	26	183	1643	2.7	3	15	184	5.21	759	<20	<4	9	52	6.0	90	<5	117
523407	Drill Core		0.099	<2	15	804	242	4.2	<2	6	320	1.97	549	<20	<4	14	91	23.0	52	5	64
523408	Drill Core		2.074	<2	52	1091	857	12.7	<2	<2	150	6.15	7195	<20	<4	3	14	23.7	367	<5	22
523409	Drill Core		3.016	<2	25	902	237	4.0	<2	<2	88	2.65	8616	<20	4	8	12	26.8	133	<5	7
523410	Drill Core		<0.005	<2	2	8	14	<0.5	3	<2	225	0.54	14	<20	<4	<2	48	<0.4	<5	<5	5
523411	Drill Core		0.115	4	18	133	99	1.1	<2	<2	67	0.90	512	<20	<4	12	16	9.6	32	<5	4
523412	Drill Core		0.068	7	11	232	65	1.4	<2	<2	80	1.05	206	<20	<4	8	26	6.5	24	<5	70
523413	Drill Core		0.088	4	24	142	159	0.6	<2	<2	74	1.13	543	<20	<4	12	23	9.1	29	<5	16
523414	Drill Core		0.138	<2	144	521	637	3.9	3	7	66	2.84	441	<20	<4	3	86	21.9	22	<5	51

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 10, 2010

CERTIFICATE OF ANALYSIS WHI10000353.1

	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	7TD
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S	Zn
	Unit	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1	0.01
523385	Drill Core	0.21	0.008	13	<2	0.15	104	0.05	5.19	1.41	0.52	<4	29	<2	16	6	<1	7	<0.1	
523386	Drill Core	0.19	0.007	17	3	0.14	153	0.04	5.62	1.87	0.74	<4	30	<2	11	6	<1	7	<0.1	
523387	Drill Core	0.13	0.003	15	<2	0.13	179	0.04	5.75	2.01	1.13	<4	28	<2	11	6	<1	6	0.3	
523388	Drill Core	0.35	<0.002	40	3	0.21	132	0.04	5.02	1.95	0.65	<4	30	<2	45	6	<1	7	0.2	
523389	Drill Core	0.54	<0.002	39	<2	0.23	122	0.03	4.82	2.70	0.54	<4	36	<2	38	6	<1	6	0.2	
523390	Drill Core	0.16	0.015	30	3	0.14	168	0.10	6.24	0.86	0.63	<4	36	3	31	8	1	9	<0.1	
523391	Drill Core	21.07	0.016	<2	<2	12.81	124	<0.01	0.11	<0.01	0.02	<4	<2	<2	<2	<2	<1	<1	<0.1	
523392	Drill Core	0.47	0.064	9	<2	0.53	154	0.31	6.30	1.01	0.52	13	20	3	21	6	1	13	0.5	
523393	Drill Core	0.75	0.071	10	4	1.12	440	0.30	6.22	0.22	1.21	17	18	<2	19	5	1	13	1.4	
523394	Drill Core	1.27	0.079	15	4	0.71	175	0.31	7.76	0.02	3.03	<4	17	2	17	5	1	15	3.0	
523395	Drill Core	0.16	0.062	9	9	0.28	50	0.28	5.87	0.01	3.23	6	13	15	8	5	1	13	3.8	
523396	Drill Core	1.27	0.064	11	5	0.63	119	0.30	7.48	0.02	3.24	<4	18	6	16	5	1	15	2.5	
523397	Drill Core	1.61	0.058	10	2	0.61	496	0.31	7.25	0.02	2.43	<4	21	5	15	5	1	13	1.8	
523398	Drill Core	1.78	0.048	8	4	0.74	64	0.22	7.03	0.01	3.54	<4	16	<2	13	4	1	11	3.6	
523399	Drill Core	0.77	0.079	14	<2	0.59	380	0.33	7.67	<0.01	1.02	6	17	2	17	5	1	16	1.0	
523400	Rock Pulp	13.97	0.105	32	53	1.81	616	0.23	5.11	0.90	0.99	17	51	3	18	2	<1	12	0.7	
523401	Drill Core	0.79	0.052	8	<2	0.99	1030	0.24	7.90	0.02	1.66	<4	13	4	13	5	2	11	0.7	
523402	Drill Core	1.00	0.054	9	3	0.62	855	0.24	7.16	0.03	2.55	<4	14	5	12	4	1	11	1.1	
523403	Drill Core	0.40	0.035	6	<2	0.34	800	0.18	6.93	0.02	2.57	<4	10	5	7	4	1	7	1.1	
523404	Drill Core	0.24	0.019	6	6	0.21	104	0.10	3.07	<0.01	1.64	<4	13	12	7	4	<1	5	4.0	1.67
523405	Drill Core	0.19	0.057	11	16	0.39	221	0.30	5.14	0.01	2.15	<4	54	10	17	7	2	10	3.5	
523406	Drill Core	0.10	0.068	13	11	0.40	115	0.39	7.33	0.05	4.13	4	103	5	12	10	3	13	1.5	
523407	Drill Core	2.16	0.033	13	5	0.45	762	0.23	6.64	0.16	3.26	9	67	6	11	9	1	9	1.0	
523408	Drill Core	0.03	0.005	5	13	0.11	22	0.08	2.64	<0.01	1.40	<4	26	8	6	5	<1	3	6.1	
523409	Drill Core	0.02	0.006	12	<2	0.15	94	0.04	3.93	<0.01	2.18	<4	35	6	6	6	1	2	1.8	
523410	Drill Core	19.74	0.020	<2	3	13.14	33	0.01	0.23	0.03	0.11	<4	<2	<2	<2	<2	<1	<1	0.1	
523411	Drill Core	0.03	0.007	10	4	0.22	509	0.05	5.65	<0.01	3.03	<4	47	<2	9	9	1	3	0.3	
523412	Drill Core	0.12	0.032	45	13	0.39	613	0.24	11.57	<0.01	3.60	<4	74	4	19	8	1	9	0.3	
523413	Drill Core	0.04	0.014	7	5	0.21	608	0.10	5.76	0.01	3.09	<4	44	2	12	11	1	4	<0.1	
523414	Drill Core	0.10	0.032	8	7	0.25	64	0.21	9.60	0.03	4.01	<4	10	<2	5	8	2	5	2.8	

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
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620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 10, 2010

CERTIFICATE OF ANALYSIS WHI10000353.1

Method		WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
Unit		kg	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5	5	2
523415	Drill Core		0.011	<2	37	48	1343	<0.5	<2	<2	2492	1.54	39	<20	<4	<2	203	3.8	10	<5	18
523416	Drill Core		<0.005	<2	10	67	294	<0.5	<2	<2	86	0.69	92	<20	<4	<2	159	2.7	9	<5	16
523417	Drill Core		<0.005	<2	5	26	2427	<0.5	<2	2	2027	1.12	8	<20	<4	<2	287	12.8	9	<5	13
523418	Drill Core		<0.005	<2	13	21	4481	<0.5	3	4	5648	2.31	22	<20	<4	<2	189	6.2	12	<5	12
523419	Drill Core		<0.005	<2	130	23	994	<0.5	2	3	1374	1.37	9	<20	<4	<2	592	0.4	<5	<5	14
523420	Drill Core		<0.005	<2	7	9	212	<0.5	<2	<2	527	0.67	6	<20	<4	<2	203	0.5	<5	<5	5
523421	Drill Core		0.005	<2	11	25	519	<0.5	<2	2	953	1.06	10	<20	<4	<2	732	0.9	<5	<5	14
523422	Drill Core		<0.005	<2	5	24	352	<0.5	<2	<2	575	0.92	9	<20	<4	<2	824	0.4	<5	<5	13
523423	Drill Core		<0.005	<2	6	32	297	<0.5	<2	<2	474	1.05	7	21	<4	<2	807	<0.4	6	<5	14
523424	Drill Core		0.007	<2	17	43	542	<0.5	<2	4	2936	1.81	28	<20	<4	<2	286	1.0	12	<5	31
523425	Drill Core		<0.005	<2	13	29	119	<0.5	4	<2	783	1.02	12	<20	<4	<2	660	<0.4	7	<5	10
523426	Drill Core		0.008	3	12	31	370	<0.5	10	<2	888	1.21	41	21	<4	<2	506	3.5	9	<5	10
523427	Drill Core		0.031	4	31	77	341	1.2	13	3	231	1.22	89	<20	<4	2	295	1.0	15	<5	21
523428	Drill Core		0.019	8	11	41	180	1.8	3	2	332	0.92	16	21	<4	<2	666	<0.4	5	<5	15
523429	Drill Core		<0.005	12	7	22	356	<0.5	<2	<2	846	0.95	5	<20	<4	<2	769	<0.4	<5	<5	10
523430	Drill Core		<0.005	14	4	26	516	<0.5	<2	2	1166	1.06	6	<20	<4	<2	642	<0.4	<5	<5	16
RE 523430	Drill Core		<0.005	13	3	24	479	<0.5	<2	<2	1146	1.01	<5	21	<4	<2	701	<0.4	<5	<5	16
523431	Drill Core		0.007	<2	8	30	770	<0.5	<2	<2	792	1.30	9	25	<4	<2	409	2.2	7	<5	18
523432	Drill Core		<0.005	3	3	35	100	<0.5	<2	<2	357	1.10	<5	<20	<4	<2	735	<0.4	<5	<5	23
523433	Drill Core		0.009	10	3	25	85	<0.5	<2	2	214	1.06	<5	<20	<4	<2	917	<0.4	<5	<5	26
523434	Drill Core		0.006	17	6	24	136	<0.5	<2	2	302	1.23	7	<20	<4	<2	937	<0.4	<5	<5	28
523435	Drill Core		<0.005	13	3	31	689	<0.5	<2	<2	755	1.14	<5	<20	<4	<2	744	1.3	<5	<5	21
523436	Drill Core		<0.005	<2	3	42	117	<0.5	<2	<2	46	1.35	6	<20	<4	<2	130	5.0	9	<5	23
523437	Drill Core		<0.005	23	10	26	125	<0.5	8	5	49	1.57	14	<20	<4	2	163	2.7	13	<5	58
523438	Drill Core		0.019	23	5	26	169	<0.5	22	18	82	4.08	66	<20	<4	4	85	5.4	18	<5	211
523439	Drill Core		<0.005	<2	3	22	198	<0.5	<2	<2	81	1.07	<5	28	<4	3	743	3.1	6	<5	20
523440	Rock Pulp		0.877	558	5281	24	25	3.8	10	6	330	2.04	21	27	<4	<2	689	<0.4	7	<5	35

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 10, 2010

CERTIFICATE OF ANALYSIS WHI10000353.1

	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	7TD
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S	Zn
	Unit	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1	0.01
523415	Drill Core	0.13	0.023	5	6	0.23	1008	0.09	7.50	0.17	4.46	<4	4	<2	4	4	2	1	0.3	
523416	Drill Core	0.14	0.026	5	2	0.33	1254	0.07	7.90	0.07	4.19	<4	6	<2	5	5	2	2	<0.1	
523417	Drill Core	0.22	0.024	5	4	0.33	1434	0.06	7.76	1.10	3.92	<4	4	<2	3	4	2	1	0.1	
523418	Drill Core	0.21	0.021	5	4	0.26	1334	0.06	7.54	0.40	3.76	<4	3	<2	3	3	2	1	0.2	
523419	Drill Core	0.80	0.021	7	7	0.25	1774	0.07	7.85	1.99	4.01	<4	12	<2	3	3	2	1	0.2	
523420	Drill Core	12.61	0.015	2	<2	8.23	483	0.02	2.67	0.64	1.20	<4	<2	<2	<2	<2	<1	<1	0.2	
523421	Drill Core	1.15	0.024	7	7	0.23	1649	0.07	9.22	2.60	3.53	<4	9	<2	2	4	2	1	0.2	
523422	Drill Core	1.13	0.023	6	2	0.20	1266	0.07	9.13	2.82	3.14	<4	13	<2	<2	4	2	2	0.1	
523423	Drill Core	1.09	0.022	6	6	0.26	1605	0.07	9.60	2.53	3.49	<4	10	<2	<2	4	2	1	<0.1	
523424	Drill Core	1.09	0.063	11	2	0.47	1850	0.13	9.93	0.30	3.67	<4	11	<2	7	5	2	3	0.4	
523425	Drill Core	0.94	0.013	3	4	0.45	3226	0.06	8.52	1.66	3.84	<4	12	<2	3	4	2	1	0.2	
523426	Drill Core	0.88	0.013	3	2	0.49	3121	0.05	8.94	0.98	3.76	<4	11	<2	4	3	2	1	0.2	
523427	Drill Core	0.26	0.038	7	6	0.35	934	0.09	6.96	1.04	4.08	<4	8	<2	3	4	2	2	0.6	
523428	Drill Core	0.51	0.020	7	3	0.32	4616	0.08	9.81	1.84	3.98	<4	14	<2	3	4	2	2	0.6	
523429	Drill Core	0.98	0.011	3	3	0.48	4590	0.06	8.86	1.37	4.39	<4	9	<2	3	3	2	1	0.4	
523430	Drill Core	0.67	0.025	5	<2	0.37	2181	0.08	8.05	2.20	3.88	<4	8	<2	2	4	2	1	0.4	
RE 523430	Drill Core	0.75	0.023	6	<2	0.35	3632	0.08	9.06	2.11	3.60	<4	9	<2	3	4	2	1	0.4	
523431	Drill Core	0.51	0.034	6	5	0.60	286	0.10	6.81	1.24	3.58	<4	3	<2	3	5	2	1	0.6	
523432	Drill Core	1.25	0.032	6	2	0.39	1940	0.10	8.55	2.75	3.48	<4	8	<2	<2	5	2	1	0.5	
523433	Drill Core	1.51	0.035	6	7	0.29	1680	0.12	8.36	3.30	3.22	<4	7	<2	<2	5	2	1	0.3	
523434	Drill Core	1.56	0.036	6	2	0.37	1978	0.12	8.01	3.09	2.98	<4	10	<2	2	5	2	2	0.4	
523435	Drill Core	0.72	0.032	5	6	0.29	2604	0.11	7.74	2.34	3.60	<4	7	<2	<2	5	2	1	0.7	
523436	Drill Core	0.11	0.029	4	3	0.25	180	0.08	6.86	0.06	4.10	<4	4	<2	<2	4	2	1	1.2	
523437	Drill Core	0.19	0.051	13	13	0.30	2346	0.15	9.94	0.04	3.88	<4	24	<2	6	4	2	7	1.6	
523438	Drill Core	0.37	0.127	17	59	0.51	2322	0.32	10.59	0.02	4.35	<4	16	3	20	4	2	37	4.1	
523439	Drill Core	0.76	0.032	11	7	0.29	4728	0.10	10.45	1.37	3.98	<4	12	<2	3	5	2	3	0.7	
523440	Rock Pulp	1.32	0.041	7	14	0.20	143	0.09	5.83	1.93	2.71	<4	7	<2	4	<2	<1	2	1.2	

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 23, 2010

CERTIFICATE OF ANALYSIS WHI10000354.2

	Method	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5	5	2
524677	Rock	1.95	0.025	<2	30	188	797	2.3	8	14	663	3.65	21	<20	<4	6	45	6.8	8	<5	99
524678	Rock	1.74	0.013	<2	34	225	485	2.0	6	17	665	3.64	22	<20	<4	7	69	2.1	<5	<5	89
524679	Rock	1.42	0.012	<2	110	319	530	2.8	4	3	212	3.70	48	<20	<4	7	30	3.4	15	<5	78
524680	Rock	1.38	0.025	<2	173	478	1462	3.4	9	17	1124	3.57	38	<20	<4	9	30	17.7	11	<5	81
RE 524680	Rock		0.029	<2	160	441	1391	3.1	9	16	1039	3.50	34	<20	<4	8	28	16.4	11	<5	78
524681	Rock	1.62	0.038	<2	383	628	2402	3.4	11	31	2796	2.94	66	<20	<4	9	48	32.5	15	<5	64
524682	Rock	1.35	0.040	<2	609	888	1862	4.0	4	8	466	3.99	123	<20	<4	22	94	11.6	60	<5	56
524683	Rock	0.32	<0.005	<2	6	14	39	<0.5	4	<2	231	0.49	<5	<20	<4	<2	43	<0.4	<5	<5	6
524684	Rock	1.57	0.060	<2	262	1312	339	8.1	<2	<2	118	3.93	273	<20	<4	15	45	0.6	53	<5	64
524685	Rock	2.03	0.173	<2	275	1071	221	13.1	<2	<2	83	3.55	747	<20	<4	17	55	0.8	126	16	49
524686	Rock	2.42	0.115	3	414	1087	1141	7.5	5	13	833	4.63	272	<20	<4	19	56	12.9	73	<5	46
524687	Rock	1.70	0.029	<2	371	462	1379	5.9	7	18	1680	2.65	175	<20	<4	6	37	24.1	40	<5	50
524688	Rock	1.97	0.244	4	201	1188	567	13.3	3	5	1039	3.26	2967	<20	<4	7	50	9.4	79	16	39
524689	Rock	2.92	0.014	<2	12	45	652	1.0	7	14	976	4.31	71	<20	<4	2	452	6.7	<5	<5	128
524690	Rock	3.54	0.351	<2	160	3574	2119	25.1	6	16	1223	5.39	1704	<20	<4	7	131	26.8	269	<5	127
524691	Rock Pulp	0.13	1.928	8	149	12	158	1.1	38	139	3716	8.19	4990	<20	<4	<2	363	1.8	16	51	98
524692	Rock	2.87	0.109	<2	38	132	1871	3.3	4	10	2634	4.94	1659	<20	<4	3	197	24.1	55	<5	103
524693	Rock	3.42	0.017	<2	16	57	311	1.4	7	16	913	4.82	124	<20	<4	2	510	3.2	9	<5	133
524694	Rock	2.46	<0.005	<2	51	11	64	<0.5	6	11	1403	2.44	119	<20	<4	4	89	<0.4	23	<5	80
524695	Rock	1.76	<0.005	<2	36	11	70	<0.5	9	13	881	2.80	71	<20	<4	5	119	<0.4	8	<5	84
524696	Rock	2.00	<0.005	<2	26	6	59	<0.5	12	13	1071	3.10	55	<20	<4	<2	154	<0.4	8	<5	95
524697	Rock	2.09	<0.005	<2	21	6	99	<0.5	35	25	1449	6.66	46	<20	<4	<2	228	0.6	<5	<5	238
524698	Rock	1.85	0.010	<2	16	6	73	0.6	20	15	978	4.66	42	<20	<4	<2	204	<0.4	<5	<5	177
524699	Rock	2.58	<0.005	<2	32	8	71	<0.5	20	22	1105	5.57	118	<20	<4	<2	535	0.8	9	<5	241
524700	Rock	2.44	<0.005	<2	25	5	36	<0.5	3	6	585	1.63	155	<20	<4	3	137	<0.4	6	<5	29
524701	Rock	1.83	0.007	<2	42	15	145	0.8	19	25	3688	4.16	247	<20	<4	8	86	0.6	33	<5	130
RRE 524701	Rock		0.006	<2	43	16	144	0.8	19	25	3479	4.21	251	<20	<4	6	87	0.6	34	<5	133
524702	Rock	1.90	0.015	4	121	9	165	0.9	25	34	2395	9.39	271	<20	<4	<2	329	1.3	21	15	397
524703	Rock	2.34	0.012	<2	73	27	152	<0.5	19	18	2428	6.27	386	<20	<4	4	149	0.5	27	<5	106
524704	Rock	2.62	0.101	<2	144	10	199	0.9	37	37	1872	8.35	285	<20	<4	3	95	0.9	69	<5	273

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 23, 2010

CERTIFICATE OF ANALYSIS WHI10000354.2

	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S
	Unit	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1
524677	Rock	0.40	0.058	15	10	0.52	689	0.30	6.13	0.84	2.29	<4	13	4	9	10	2	10	0.9
524678	Rock	0.26	0.057	16	10	0.92	852	0.28	5.94	1.27	2.09	<4	25	4	9	10	2	9	0.7
524679	Rock	0.20	0.067	16	15	0.54	920	0.22	6.41	0.23	1.95	5	59	3	7	8	2	8	0.2
524680	Rock	0.34	0.063	19	11	0.38	716	0.23	6.74	0.23	2.40	<4	42	4	14	9	2	9	1.1
RE 524680	Rock	0.31	0.062	17	10	0.36	682	0.23	6.22	0.23	2.04	<4	39	5	13	8	2	8	1.1
524681	Rock	0.63	0.072	19	11	0.35	853	0.19	6.54	0.04	2.28	<4	69	4	18	7	3	8	0.9
524682	Rock	0.20	0.116	21	12	0.29	763	0.17	5.80	0.05	1.84	<4	78	3	8	7	3	7	0.5
524683	Rock	19.14	0.017	2	4	10.63	37	0.01	0.32	0.03	0.12	<4	<2	<2	<2	<2	<1	<1	<0.1
524684	Rock	0.10	0.108	19	9	0.31	693	0.14	5.69	0.04	2.32	<4	42	6	3	5	1	6	0.4
524685	Rock	0.13	0.105	16	10	0.35	723	0.14	6.06	0.05	2.34	5	59	4	4	5	2	5	0.4
524686	Rock	0.43	0.122	20	11	0.42	259	0.13	5.99	0.05	2.84	<4	82	4	10	6	2	5	1.1
524687	Rock	1.00	0.072	15	11	0.40	145	0.13	6.77	0.05	2.90	<4	60	4	10	6	2	5	1.7
524688	Rock	0.99	0.061	15	10	0.46	445	0.10	6.53	0.05	2.88	5	49	3	5	5	2	4	1.3
524689	Rock	3.22	0.092	10	10	1.30	890	0.48	7.14	1.93	1.41	<4	31	<2	12	12	2	11	<0.1
524690	Rock	1.40	0.113	18	2	0.51	789	0.51	9.12	0.36	1.55	5	25	4	17	12	2	13	<0.1
524691	Rock Pulp	14.56	0.102	32	53	1.76	621	0.23	5.08	0.83	0.97	18	51	2	18	4	<1	12	0.7
524692	Rock	6.90	0.084	16	3	0.73	2449	0.39	7.18	0.47	1.92	<4	23	3	18	10	2	11	0.2
524693	Rock	3.49	0.101	10	9	1.68	861	0.51	7.68	2.29	1.63	<4	39	<2	13	12	2	12	<0.1
524694	Rock	0.36	0.050	13	10	0.26	1251	0.27	7.40	0.78	1.68	<4	17	<2	14	7	1	10	<0.1
524695	Rock	0.78	0.057	15	13	0.43	491	0.32	6.76	2.57	0.97	<4	16	<2	22	7	1	12	<0.1
524696	Rock	1.26	0.052	9	26	0.82	626	0.32	6.31	3.39	1.17	<4	13	<2	16	5	1	15	<0.1
524697	Rock	4.44	0.087	8	77	3.13	455	0.52	8.09	2.58	1.18	<4	10	<2	18	5	1	31	<0.1
524698	Rock	3.25	0.084	6	33	1.70	464	0.51	6.96	3.38	1.29	<4	17	<2	19	7	1	20	<0.1
524699	Rock	4.69	0.103	7	43	0.90	405	0.53	8.24	2.55	1.26	<4	25	3	20	6	1	25	<0.1
524700	Rock	0.68	0.027	11	<2	0.17	835	0.15	5.70	3.15	1.58	<4	18	<2	13	4	<1	6	<0.1
524701	Rock	0.61	0.140	32	25	0.54	1174	0.40	7.97	0.10	1.90	<4	110	<2	24	11	2	14	<0.1
RRE 524701	Rock	0.61	0.143	32	24	0.54	1166	0.41	8.06	0.11	2.00	5	111	<2	25	11	2	14	<0.1
524702	Rock	3.39	0.318	14	52	1.65	879	0.76	6.83	1.49	1.45	<4	29	8	37	9	2	42	<0.1
524703	Rock	0.64	0.075	12	18	0.29	467	0.32	6.71	1.51	1.12	<4	18	2	20	5	1	15	<0.1
524704	Rock	0.44	0.242	13	38	0.27	923	1.08	7.74	0.05	1.52	9	26	3	33	11	2	33	<0.1

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620 - 650 W. Georgia St.
PO Box 11604
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Project: Mt Nansen
Report Date: September 23, 2010

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CERTIFICATE OF ANALYSIS WHI10000354.2

	Method	WGHT	G6	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.005	2	2	5	2	0.5	2	2	5	0.01	5	20	4	2	2	0.4	5	5	2
524705	Rock	1.62	1.612	<2	29	422	152	5.2	9	3	473	7.39	4807	<20	<4	4	153	2.3	91	<5	235
524706	Rock	2.40	1.104	<2	21	218	402	2.0	19	16	2492	3.85	1074	<20	<4	3	46	3.3	39	<5	190
524707	Rock	2.34	0.018	<2	<2	10	58	<0.5	13	4	699	1.28	45	<20	<4	4	521	<0.4	<5	<5	65
524708	Rock	2.03	0.013	<2	3	13	67	<0.5	16	3	513	1.94	39	<20	<4	4	309	<0.4	5	<5	100
524709	Rock	2.08	<0.005	<2	<2	9	39	<0.5	12	2	356	1.54	5	<20	<4	5	407	<0.4	<5	<5	78
524710	Rock	2.84	0.063	<2	3	8	87	0.8	18	6	924	3.04	49	<20	<4	6	125	<0.4	14	<5	103
524711	Rock	2.84	0.014	<2	20	6	71	<0.5	28	13	1387	3.51	44	<20	<4	5	125	<0.4	15	<5	99
524712	Rock	2.29	0.005	<2	35	7	51	<0.5	15	8	397	3.35	16	<20	<4	5	304	<0.4	<5	<5	86
524713	Rock	0.30	<0.005	<2	<2	<5	14	<0.5	3	<2	237	0.54	<5	<20	<4	<2	48	<0.4	<5	<5	6

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Coast Mountain Geological**
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9 Canada

Project: Mt Nansen
Report Date: September 23, 2010

CERTIFICATE OF ANALYSIS WHI10000354.2

	Method	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E	1E
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	S
	Unit	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.002	2	2	0.01	1	0.01	0.01	0.01	0.01	4	2	2	2	2	1	1	0.1
524705	Rock	0.25	0.146	16	55	0.34	507	0.79	6.26	0.04	2.01	10	22	8	15	9	2	28	0.6
524706	Rock	0.15	0.065	11	63	0.28	519	0.43	4.76	0.05	1.86	14	14	5	14	5	1	20	<0.1
524707	Rock	0.42	0.076	11	14	0.24	1032	0.21	6.76	3.53	2.06	<4	24	<2	8	6	2	7	<0.1
524708	Rock	0.35	0.078	13	21	0.30	705	0.29	6.62	2.81	1.77	<4	20	4	11	8	2	12	<0.1
524709	Rock	0.74	0.064	12	18	0.39	898	0.26	6.42	3.40	1.69	<4	19	3	11	7	2	9	<0.1
524710	Rock	0.44	0.077	18	29	0.52	841	0.31	7.61	0.62	1.81	<4	19	<2	15	9	2	13	<0.1
524711	Rock	0.47	0.083	20	34	0.49	892	0.30	7.96	0.43	1.84	<4	20	<2	18	9	2	13	<0.1
524712	Rock	0.63	0.084	16	31	0.84	1324	0.27	7.50	2.05	1.94	<4	19	<2	14	8	2	11	<0.1
524713	Rock	21.95	0.023	<2	<2	12.02	40	0.02	0.31	0.04	0.12	<4	<2	<2	<2	<2	<1	<1	<0.1