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ASSESSMENT REPORT

describing

REVERSE CIRCULATION DRILLING

at the

VIVI PROPERTY

Vivi 1-2	YB89421-YB89422
11-12	YB89431-YB89432
19-30	YB89431-YB89432
Has 1-54	YD112231-YD112284

NTS 105A/13

Latitude 60°57'N; Longitude 129°53'W

Field work performed between June 19 and July 27, 2012

located in the

Watson Lake Mining District
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

WOLVERINE MINERALS CORP.

by

H. Burrell, B.Sc., P.Geo.

October 2012

CONTENTS

INTRODUCTION	1
PROPERTY LOCATION, CLAIM DATA AND ACCESS	1
GEOMORPHOLOGY AND VEGETATION	2
PREVIOUS WORK	2
REGIONAL GEOLOGY	4
PROPERTY GEOLOGY	4
MINERALIZATION	5
SOIL GEOCHEMISTRY	6
REVERSE CIRCULATION DRILLING	6
DISCUSSION AND CONCLUSIONS	10
REFERENCES	11

APPENDICES

I	STATEMENT OF QUALIFICATIONS
II	REVERSE CIRCULATION DRILL LOGS
III	REVERSE CIRCULATION DRILL SECTIONS
IV	CERTIFICATES OF ANALYSIS
V	STATEMENT OF EXPENDITURES

FIGURES

<u>No.</u>	<u>Description</u>	<u>Follows Page</u>
1	Property Location	1
2	Claim Locations	1
3	Tectonic Setting	4
4	Geology	4
5	Gold Geochemistry	6
6	Drill Hole Locations	7

TABLES

<u>No.</u>	<u>Description</u>	<u>Page</u>
I	Regional lithological units	4
II	Property-scale units	4
III	Rock sample thresholds	5
IV	Soil sample thresholds	6
V	RC drill hole data	7
VI	RC drill highlights	8

INTRODUCTION

The Has and Vivi claims comprise what are referred to collectively as the Vivi property. The Vivi property is located in the Finlayson Lake District of southeast Yukon. It covers a package of listwanite-altered ultramafic rocks with a strong gold-in-soil geochemical response. The Vivi and Has claims are owned 100% by Wolverine Minerals Corp. Both claim blocks are subject to underlying net smelter return royalties.

This report describes a work program that was conducted between June 19 and July 27, 2012. Work performed included camp construction and 1560.58 m of reverse circulation (RC) drilling in 27 holes. Archer, Cathro & Associates (1981) Limited constructed the camp and managed the drill program on behalf of Wolverine. The author participated in and directed this project. Her Statement of Qualifications appears in Appendix I.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Vivi property consists of 98 contiguous mineral claims, which are located at latitude 60°57'N and longitude 129°53'W on NTS map sheet 105A/13. The general location of the property is shown on Figure 1 while the locations of individual claims are illustrated on Figure 2. The Has and Vivi claims were staked under the Yukon Quartz Mining Act and are registered with the Watson Lake Mining Recorder. All claims are registered in the name of Wolverine. The claims cover an area of approximately 1980 ha (20 sq. km). Claim registration data are listed below.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
Vivi 1-2	YB89421-YB89422	March 31, 2017
11-12	YB89431-YB89432	March 31, 2017
19-30	YB89431-YB89432	March 31, 2017
Has 1-54	YD112231-YD112284	March 31, 2016

* Expiry dates do not include 2012 work that has not yet been filed for assessment credit.

The Vivi property lies four kilometres northwest of Hassleberg Lake in southeast Yukon (Figure 2). It is located 120 km north-northwest of Watson Lake, 83 km south-southeast of Finlayson Lake and 37 km west of the junction between Robert Campbell Highway and the Nahanni Range Road. A winter trail extends from the Robert Campbell Highway to a small cabin at the north end of Hassleberg Lake. A network of all-terrain vehicle (ATV) trails extends from Hassleberg Lake to the Vivi property and continues to the northwest.

In 2012, a drill camp was established on the Vivi property. Helicopter support for the program was provided by various parties. Camp gear, lumber and the RC drill were mobilized to the property using an Eurocopter AS350 B2 helicopter owned and operated by TransNorth Helicopters from a temporary base at the Faro Airport, which is located about 230 km northwest of the property. Additional support was provided by a Hughes 500D helicopter owned and operated by Kluane Airways Ltd. from a seasonal base at Inconnu Lodge, which lies 95 km north-northwest from the property. Groceries and light supplies were delivered using a Bell

WOLVERINE MINERALS CORP.

FIGURE 1

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

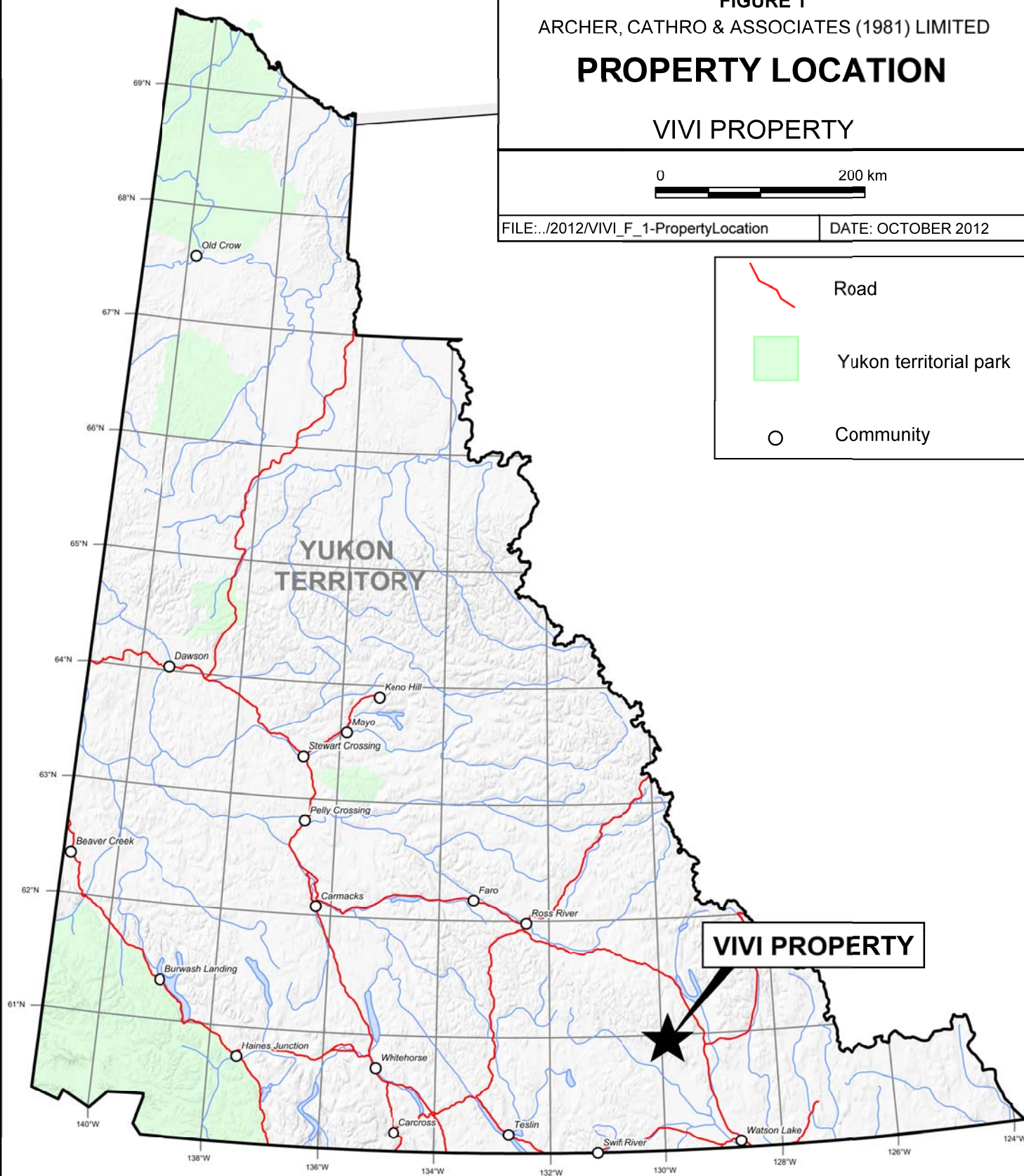
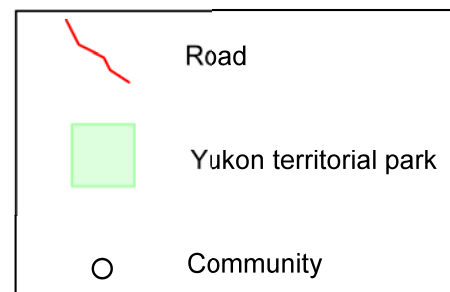
PROPERTY LOCATION

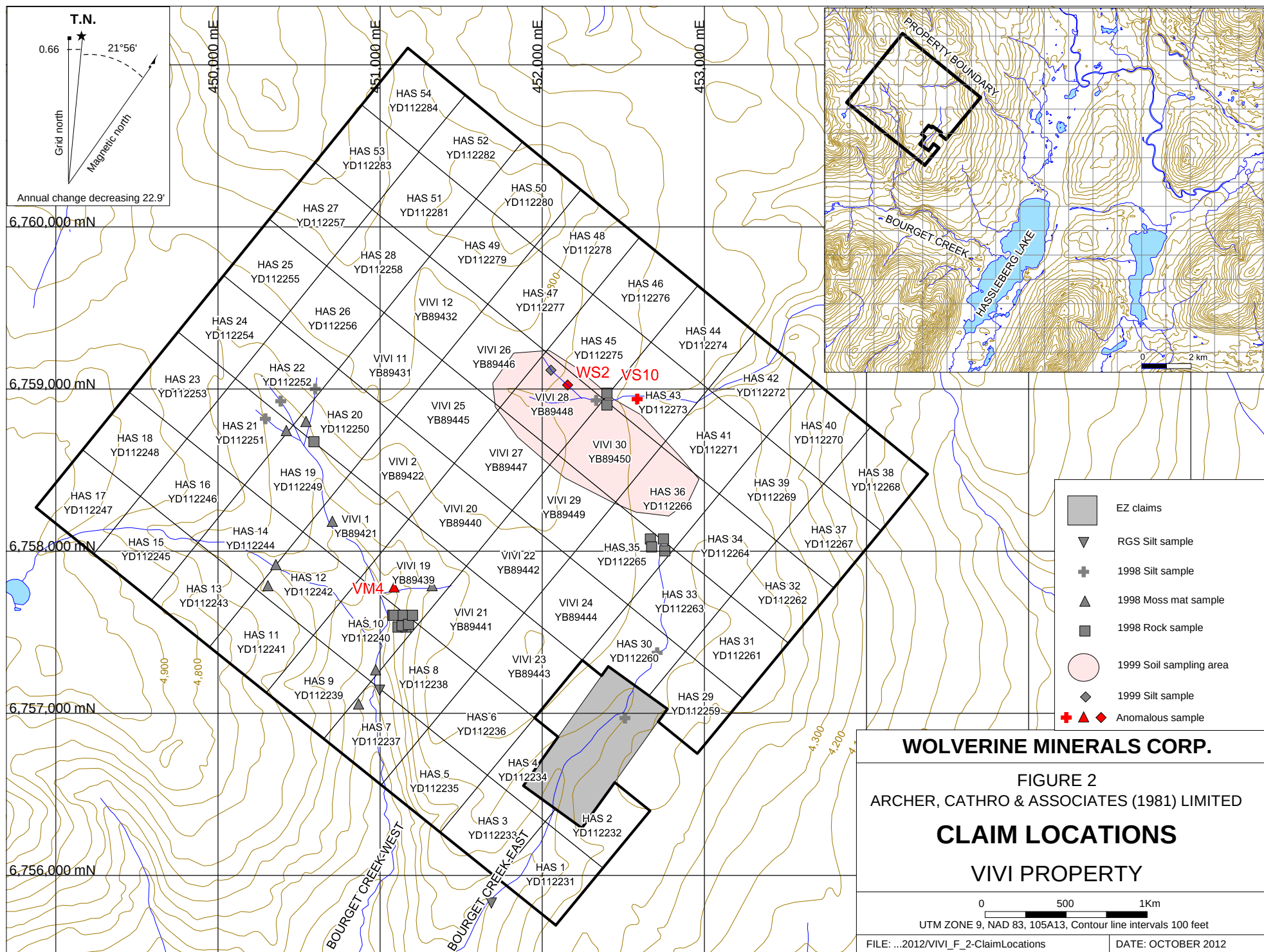
VIVI PROPERTY

0 200 km

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DATE: OCTOBER 2012





206B helicopter owned and operated by TransNorth Helicopters from a year-round base in Watson Lake. The final drill demobilization was performed using a Bell 204 helicopter owned and operated by Fireweed Helicopters Limited. This helicopter was temporarily stationed at the Watson Lake airport under contract with the Ministry of Forestry.

GEOMORPHOLOGY AND VEGETATION

The Vivi property is located in the Simpson Range of the Pelly Mountains in southeast Yukon. This area was affected by the Late Pleistocene McConnell Glaciation and the ice direction is thought to be northwest to southeast (Plouffe and Bond, 2004).

The property is drained by two branches of Bourget Creek and an unnamed creek, all of which are east-flowing tributaries of Hassleberg Lake (Figure 2). Creeks draining the property flow into tributaries of the Liard River and then into the Arctic Ocean via the Mackenzie River. Local elevations range from 1310 to 1550 m above sea level (asl). The lowest elevation lies in the southern part of the property between the branches of Bourget Creek. Treeline is at about 1450 m asl. Vegetation on the property ranges from stunted spruce with an understory of buckbrush and moss at lower elevations to buckbrush at higher elevations. Bedrock exposures on the property are limited to localized areas where creeks have eroded deep channels. Subcrop exposures occur on a broad knoll in the centre of the property. The property is mostly covered by unconsolidated colluvium and alluvial deposits.

The climate in the Vivi area is typical of northern continental regions with long, cold winters, truncated fall and spring seasons and short, mild summers. Although summers are relatively mild, arctic cold fronts often cover the area and snowfall can occur in any month. The property is mostly snow free from June to September.

PREVIOUS WORK

The Vivi area has previously been explored for jade and placer gold potential. There are numerous jade occurrences in the district, but only one area within a 40 km radius of the Vivi property has a placer history. The first placer claims were recorded in 1992 when J. Chen, S. Hearty and M. Starnes each staked claims on the western branch of Bourget Creek (Figure 2). In 1994, J. Hearty staked another placer claim and in 1995, S. Hearty, W. Kastrukoff and R. Hearty staked more claims. No production has been reported from any of these claims.

The first recorded quartz claims in the Vivi area were the Howard claim, which was staked in 1980 by A. Black. The area was restaked by T. Liverton in 1986 as the Tim claims. No assessment reports were filed regarding any work that might have been performed during that time.

In 1992, J. Chen staked a single quartz claim two kilometres south of the earlier quartz claims. No work was reported from this claim.

At various times between 1993 and 1997, S. Hearty staked Mayling claims around the Chen claim and performed bulldozer trenching, prospecting, road building and geochemical sampling. There is no record of results from any of this work.

In 1997, S. Hearty restaked the Chen claim and staked the EZ claims to cover the area of the old Howard claims. Work performed on these claims included prospecting, geochemical sampling, hand and limited machine trenching. Two EZ claims are still in good standing at the time of this report. They straddle the eastern branch of Bourget Creek, on the southern edge of the property.

In 1997, the Geological Survey of Canada (GSC) performed a regional silt sediment sampling program on NTS map sheet 105A. One sample was collected from each branch of Bourget Creek, and they returned anomalous values of 110 ppb gold with 25 ppm arsenic and 22 ppb gold with 152 ppm arsenic, respectively (Friske and Hornbrook, 1998).

In 1997, J.P. Ross staked the Vivi claims to the north of the EZ and Mayling claims to cover the potential source of the anomalous GSC results. Ross carried out geochemical sampling and prospecting (Ross, 1998). A total of 16 rock, 10 silt and 10 moss mat samples were collected (Figure 2). The best rock sample value was 212 ppb gold. Silt sampling yielded values up to 1494 ppb gold with 17 ppm antimony (VS10), and a moss mat sample returned 1635 ppb gold with 14 ppm antimony (VM4).

In 1998, Viceroy Exploration (Canada) Inc. obtained a right of first refusal on the Vivi claims. On Viceroy's behalf Ross collected 21 rock, two silt and 117 soil samples. The soil samples were collected from the eastern part of the property (Figure 2). For some reason only 59 soil samples were sent for analysis, with 10 of them yielding between 50 and 755 ppb gold (Ross, 1999). Rock sample values were uniformly low with the highest value being 10 ppb gold. One of the silt sample returned 300 ppb gold (WS2).

In 2000, T. Liverton performed a reconnaissance program in the Vivi property area (Liverton, 2001). This work covered the EZ, Jasper and current Vivi properties. Liverton identified talc- and siderite-altered ultramafics with carbonate pseudomorphing pyroxene on the Vivi property. He also noted two different kinds of mineralization: east-west striking, steeply dipping, shear zone hosted quartz veins; and, listwanite hosted, thrust fault controlled mineralization.

In September 2010, Wolverine signed an option purchase agreement with Strategic Metals Ltd. for properties in the Dawson Range and Finlayson Districts. Strategic staked the Has claims in October 2010 and amended the option agreement with Wolverine to include those claims. In January 2011, Wolverine purchased the Vivi claims from the estate of J.P. Ross, and in October 2012 it purchased the Has claims from Strategic.

In summer 2011, Wolverine completed a systematic exploration program on the Vivi property. This program comprised geological mapping, prospecting and grid geochemical sampling. A total of 60 rocks and 133 soil samples were collected. Results from the rock sampling program were generally disappointing, but soil sampling yielded numerous high gold values. The 2012 drill program was designed based on these results, which are discussed in more detail in the appropriate sections below.

REGIONAL GEOLOGY

The Finlayson Lake District comprises an isolated outlier of Yukon-Tanana and Slide Mountain terranes and affiliated overlap assemblages (Figure 3). The district is bounded by the Tintina Fault to the southwest and the Inconnu Thrust Fault to the northeast.

Yukon-Tanana and Slide Mountain terranes represent continental arc and back-arc basin sequences that developed along the ancient Pacific margin of North America during Late Devonian and through Permian (Piercey *et al.*, 2006). Pericratonic rocks of Yukon-Tanana Terrane and oceanic rocks of Slide Mountain Terrane are juxtaposed against rocks of the North American continental margin sequence along the post-Late Triassic Inconnu Thrust Fault (Murphy *et al.*, 2006). Rocks of Yukon-Tanana and Slide Mountain terranes in the Finlayson Lake District are characterized by variably deformed and metamorphosed, lower greenschist to amphibolite facies metasedimentary and metavolcanic rocks and affiliated metaplutonic suites.

In 1966, the GSC published a geological map of the Vivi area (NTS map sheet 105A) at 1:250,000 scale (Deklerk and Traynor, 2005). In 2003, Gordey and Makepeace of the Yukon Geological Survey (YGS) completed a Yukon-wide geological compilation, which updated the lithological unit names in the Vivi area. Table I describes the main lithological units in the area.

Table I– Regional lithological units (*after Gordey and Makepeace, 2003*)

Map Suite	Age	Map Unit	Description
Anvil Suite	Carboniferous and Permian	CPA	Dominantly oceanic assemblage of mafic volcanics, ultramafics, cherts, pelite, limestone and gabbro.
Nasina Assemblage	Devonian, Mississippian and (?) Older	DMN	Graphitic quartzite and muscovite quartz-rich schist interspersed with marble.

The YGS map covering the Vivi property area illustrates large packages of Anvil Suite and Nasina Assemblage juxtaposed by a northwest-trending thrust fault, which bisects the centre of the property.

PROPERTY GEOLOGY

In 2011, a property-scale map was generated (Figure 4). No surficial mapping was done during the 2012 program. Evidence for the regional-scale fault mapped by the YGS was not observed in 2011. Table II below lists units identified on the property.

STRATEGIC METALS LTD.

FIGURE 3

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

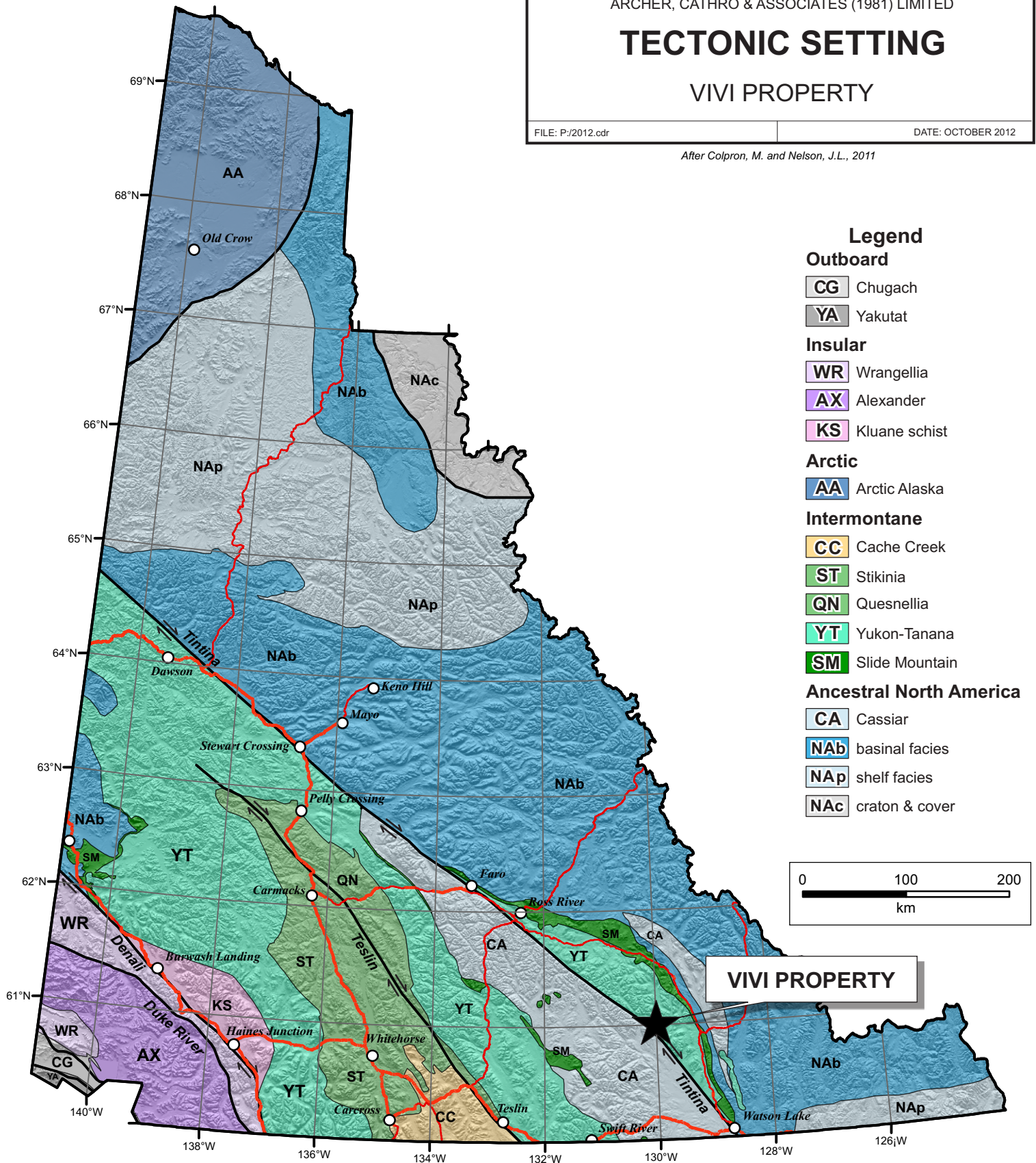
TECTONIC SETTING

VIVI PROPERTY

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After Colpron, M. and Nelson, J.L., 2011



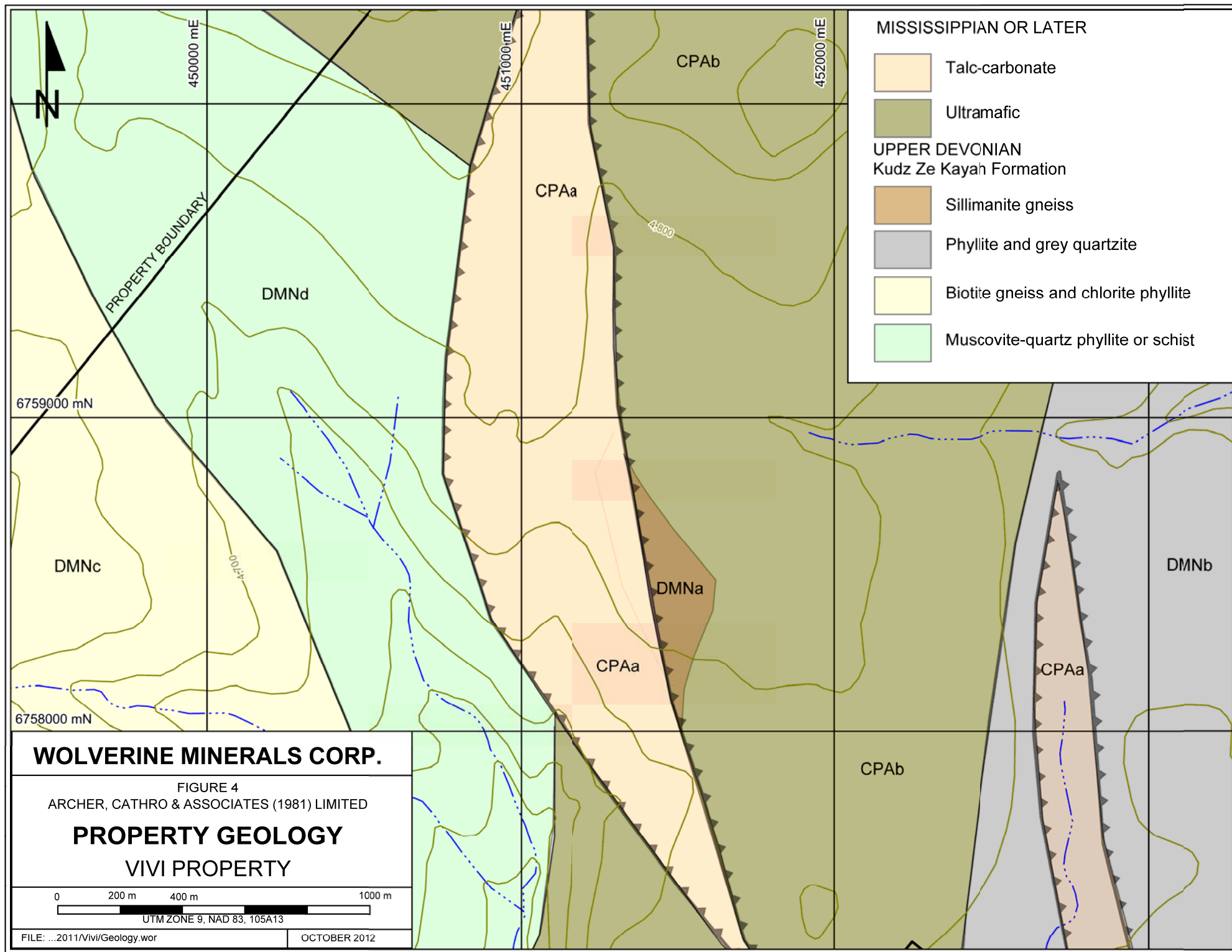


Table II– Property-scale units (after Belik, 2011)

Map Suite	Age	Map Unit	Description
Anvil Suite	Carboniferous and Permian	CPAa	Talc-carbonate
		CPAb	Ultramafic: serpentine-magnetite-talc-carbonate
Nasina Assemblage	Devonian, Mississippian and (?) Older	DMNa	Sillimanite gneiss
		DMNb	Phyllite and grey quartzite
		DMNc	Biotite gneiss and chlorite phyllite
		DMNd	Muscovite-quartz phyllite or schist

The Vivi property hosts a package of Nasina Assemblage and Anvil Suite rocks. The package is floored by muscovite-quartz phyllite or schist (DMNd), which is overlain by a north-northwesterly oriented sequence of biotite gneiss and chlorite phyllite (DMNc). DMNc is in turn overlain by ultramafic serpentine-magnetite-talc-carbonate rocks (CPAb) that are capped by phyllite and grey quartzite (DMNb).

Two wedges of thrust fault bounded, talc-carbonate altered ultramafics (listwanite) lie within the property. Wedge A is located in the centre of the property and is the larger of the two bodies. Wedge B lies in the southeast corner of the property. A small, triangular shaped area of sillimanite gneiss (DMNa) is contained within the hanging wall of Wedge A.

MINERALIZATION

Historical exploration on the Vivi property focused on steeply dipping, east-west striking veins comprising white bull quartz or finely banded epithermal quartz with finely disseminated to blebby galena and pyrite. Prospecting in 1997 and 1998 identified weakly mineralized quartz veins, which returned up to 0.212 g/t gold (Ross, 1998). In 2011, 60 rock samples were collected from the property. Fifty-five of these samples consisted of variably mineralized epithermal quartz, while the remaining samples were of listwanite altered ultramafic rocks. Results from this sampling were mixed – with low gold (up to 0.222 g/t), copper (up to 142.5ppm) values and moderate arsenic (up to 518 ppm), antimony (up to 52 ppm), silver (up to 100 g/t) and lead (up to 10.6%) values. Table III lists rock sample thresholds used to describe results.

Table III– Rock sample thresholds

Element	Weak	Moderate	Strong	Peak
Gold (ppb)	100 ≤ 200	200 ≤ 500	-	225
Arsenic (ppm)	100 ≤ 200	200 ≤ 500	≥ 500	518
Antimony (ppm)	10 ≤ 20	20 ≤ 50	≥ 50	52
Silver (ppm)	0.5 ≤ 1.0	1.0 ≤ 2.0	≥ 2.0	100
Copper (ppm)	50 ≤ 100	100 ≤ 200	-	142.5
Lead (ppm)	50 ≤ 100	100 ≤ 200	≥ 200	106,000

The highest gold value (0.225 g/t) was from a specimen of epithermal quartz collected northwest of Wedge A. Multiple samples returned moderately anomalous arsenic values between 200 and

518 ppm. All of these samples lie within Wedge B. The elevated arsenic values are well correlated with a small cluster of strongly anomalous antimony values. Numerous samples of epithermal quartz yielded encouraging silver values that range from 5.15 to 100 g/t. Numerous samples from galena-bearing quartz veins returned 0.13 to 10.6% lead. Sampled veins with anomalous silver and lead values are scattered within an east-trending belt near the centre of the property. The highest lead value (10.6%) came from within Wedge A.

SOIL GEOCHEMISTRY

In 2011, 1333 soil samples were collected at 50 by 100 m spacings from a large grid in the centre of the property. Table IV below illustrates the soil sample thresholds used to interpret results.

Table IV– Soil sample thresholds

Element	Weak	Moderate	Strong	Peak
Gold (ppb)	$20 \leq 50$	$50 \leq 100$	≥ 100	1370
Arsenic (ppm)	$20 \leq 50$	$50 \leq 100$	≥ 100	382
Antimony (ppm)	$2 \leq 5$	$5 \leq 10$	≥ 10	79
Silver (ppm)	$0.2 \leq 0.5$	$0.5 \leq 1.0$	≥ 1.0	3.6
Copper (ppm)	$20 \leq 50$	$50 \leq 100$	≥ 100	715
Lead (ppm)	$20 \leq 50$	$50 \leq 100$	≥ 100	124

The 2011 soil sampling program identified Wedge A as a significant exploration target hosting numerous moderately to strongly anomalous gold-in-soil values ranging from 237 to 1320 ppb (Figure 5). Within Wedge A there is a weak correlation between gold and its pathfinder elements – arsenic and antimony.

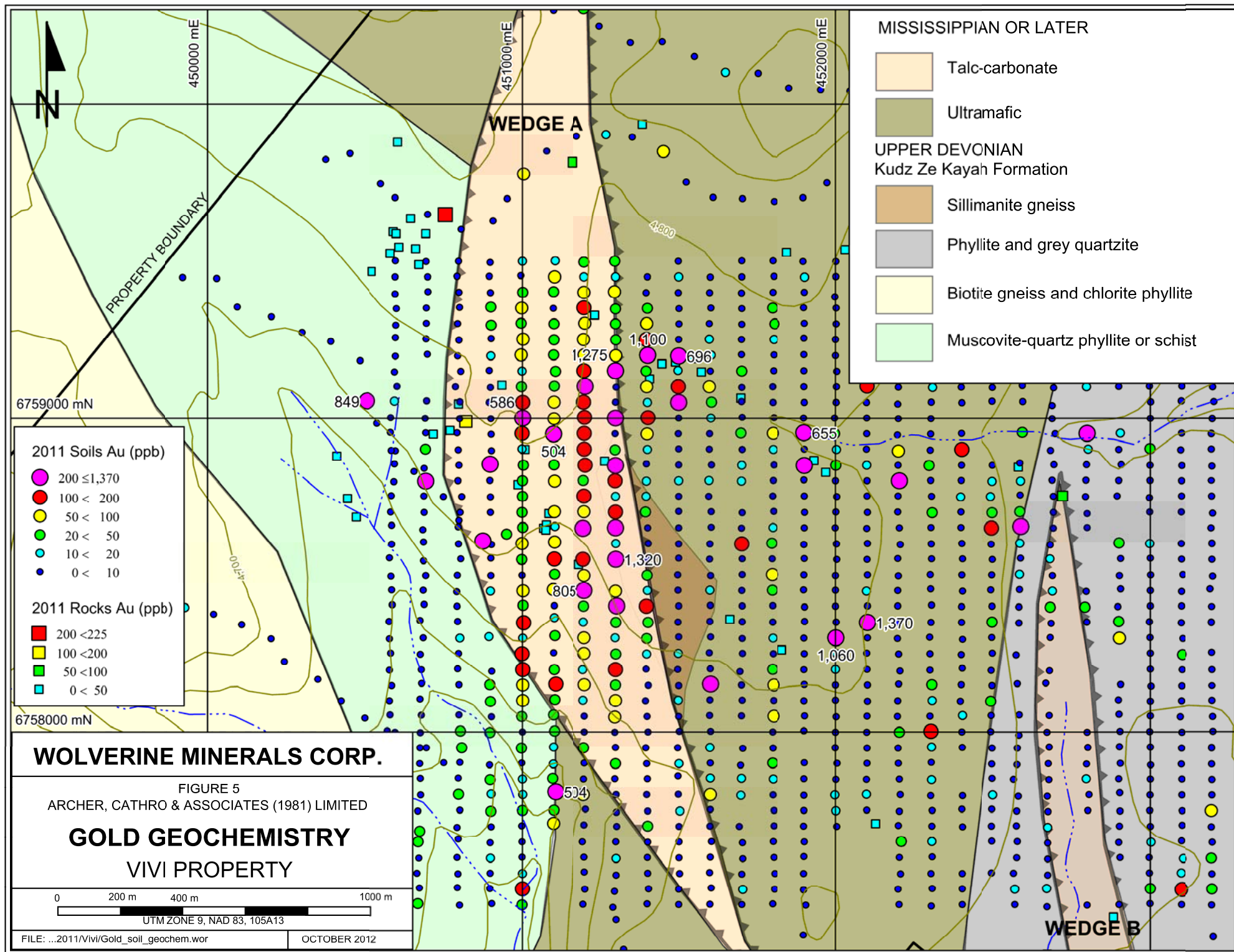
Wedge B returned low gold, but moderately to strongly anomalous arsenic and antimony values.

Lead and silver soil values are uniformly low – even in the vicinity of known galena-bearing quartz veins. Copper values are strongly anomalous in the northeastern and south-central part of the soil grid.

REVERSE CIRCULATION DRILLING

A total of 1560.58 m was completed in 27 holes. The 2012 program was done using a self-propelled, track-mounted reverse circulation drill, which was contracted from Midnight Sun Drilling Inc. of Whitehorse. The drill was operated by a three person crew on a single, 12 hour/day shift.

The first hole was collared on July 14 and the final hole was completed on July 25. Vegetation, primarily buckbrush, was cut to 0.5 m height over a 3 by 3 m area at each drill site in preparation for drilling. The RC crew used an ATV to transport fuel from a central cache to the drill sites.



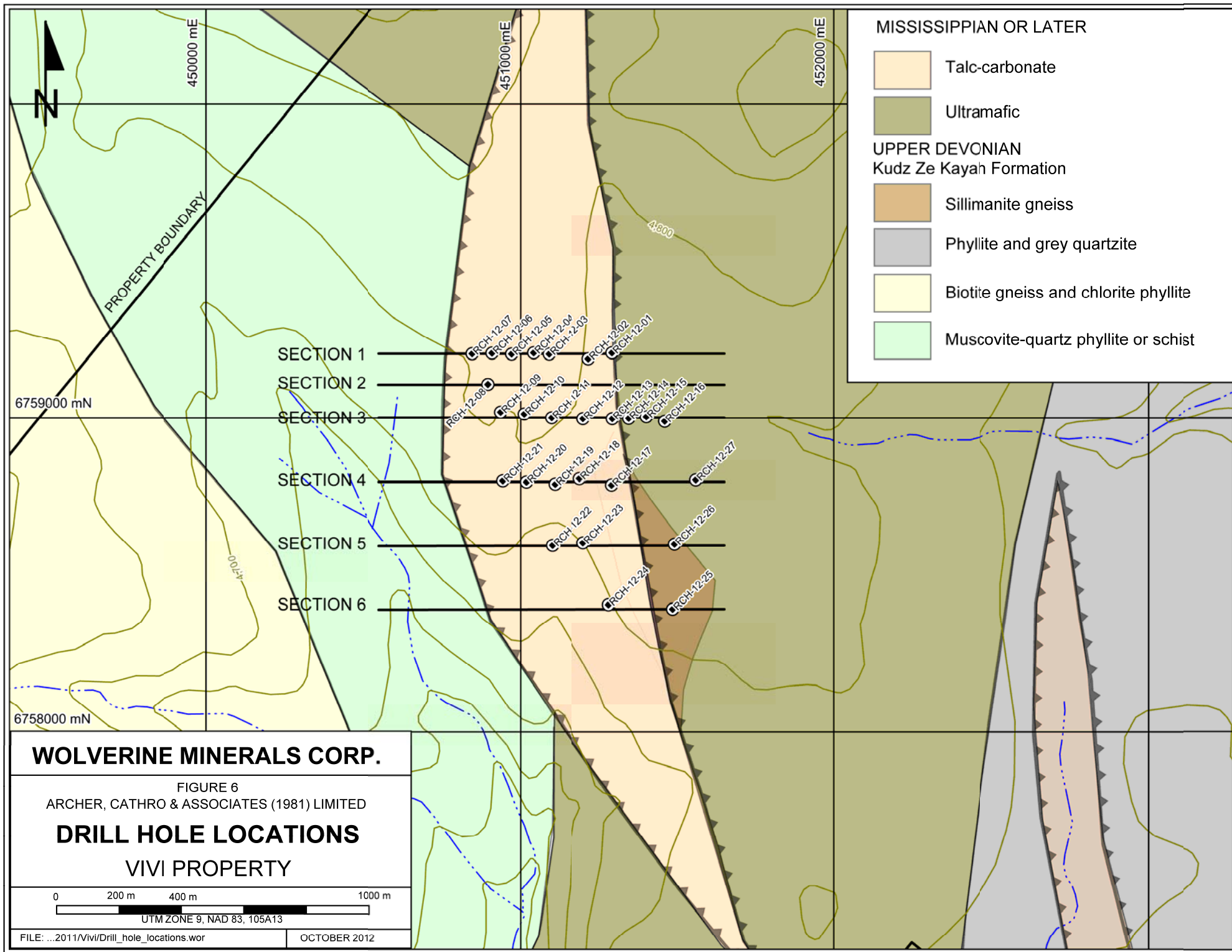
The drill program was designed to test the anomalous gold geochemistry associated with Wedge A and both of its fault contacts. The holes were drilled along six east-west trending section lines positioned between 100 and 200 m apart (Figure 6). All holes were drilled with an azimuth of 270° and a dip of -45°. Table V below lists RC drill hole specifications.

Table V– RC Drill Hole Data

Hole-ID	Easting	Northing	Elevation	Length (m)	Section
RCH-12-01	451294	6759207	1459	60.96	Section 1
RCH-12-02	451219	6759188	1464.	60.96	Section 1
RCH-12-03	451090	6759203	1470	60.96	Section 1
RCH-12-04	451041	6759207	1477	16.76	Section 1
RCH-12-05	450971	6759203	1469	60.96	Section 1
RCH-12-06	450909	6759206	1463	60.96	Section 1
RCH-12-07	450846	6759204	1461	60.96	Section 1
RCH-12-08	450896	6759106	1444	60.96	Section 2
RCH-12-09	450936	6759018	1459	60.96	Section 3
RCH-12-10	451011	6759012	1457	60.96	Section 3
RCH-12-11	451098	6759000	1456	60.96	Section 3
RCH-12-12	451202	6758997	1439	60.96	Section 3
RCH-12-13	451295	6758997	1446	60.96	Section 3
RCH-12-14	451347	6758998	1450	60.96	Section 3
RCH-12-15	451403	6759003	1442	60.96	Section 3
RCH-12-16	451461	6758989	1440	60.96	Section 3
RCH-12-17	451293	6758785	1440	60.96	Section 4
RCH-12-18	451191	6758806	1422	60.96	Section 4
RCH-12-19	451109	6758788	1431	60.96	Section 4
RCH-12-20	451018	6758795	1439	60.96	Section 4
RCH-12-21	450943	6758799	1442	60.96	Section 4
RCH-12-22	451101	6758593	1415	60.96	Section 5
RCH-12-23	451202	6758601	1419	60.96	Section 5
RCH-12-24	451283	6758404	1419	60.96	Section 6
RCH-12-25	451486	6758390	1416	60.96	Section 6
RCH-12-26	451492	6758597	1448	60.96	Section 5
RCH-12-27	451560	9758802.	1451	19.81	Section 4

Plan view locations for all diamond drill holes are plotted on Figure 6. Detailed drill logs are provided in Appendix II, cross-sections showing geology and mineralized intervals are in Appendix III and Certificates of Analyses are copied in Appendix IV. All collar locations were marked with 2"x4" posts, to which metal tags listing the hole number were secured. Survey control was established by handheld GPS and chain and compass measurements.

Reverse circulation chip samples encompassed five foot (1.52 m) intervals. All holes were continuously sampled from the last run of casing to the bottom of the hole. All samples were transported by ATV from the drill sites to camp. Approximately 200g of chip material from



each sample was washed, sieved to 8-mesh and transferred into a labelled chip tray for future reference. Sample batches ranged from 5 to 42 samples depending on the length of hole. Two blank and two standard samples were randomly inserted into all sample batches that exceeded 30 samples. Where batches contained less than 30 samples, approximately 5% quality assurance-quality control (QA/QC) samples were inserted. Samples were transported in security sealed bags to ALS Mineral's Whitehorse facility. Sample preparation was done in Whitehorse, and assays and geochemical analyses were performed in North Vancouver. The samples were dried, fine crushed to better than 70% passing -2mm and then a 250 g split was pulverized to better than 85% passing 75 micron. All samples are routinely analyzed for gold by fire assay followed by atomic absorption (Au-AA24) and for 35 other elements by aqua regia digestion followed by inductively coupled plasma combined with atomic emission spectroscopy (ME-ICP41). All standard and blank samples passed QA/QC reviews. Table VI lists significant assay intervals from the 2012 program. Geology seen in drill holes is discussed by section line in the paragraphs following the table.

Table VI– RC drill highlights

Hole No.	From (m)	To (m)	Length (m)*	Gold (grams/tonne)
RCH-12-02	16.76	18.29	1.52	0.792
and	24.38	36.58	12.19	0.355
RCH-12-03	24.38	25.91	1.52	0.586
and	50.29	51.82	1.52	0.425
RCH-12-05	3.05	6.10	3.05	0.506
and	16.76	18.29	1.52	0.803
RCH-12-07	9.14	10.67	1.52	0.534
RCH-12-10	28.96	33.53	4.57	0.436
RCH-12-11	12.19	13.72	1.52	0.670
and	30.48	36.58	6.10	0.364
and	47.24	57.91	10.67	0.522
RCH-12-12	47.24	48.77	1.52	0.404
RCH-12-13	51.82	54.86	3.05	0.382
RCH-12-18	16.76	21.34	4.57	0.662
and	42.67	45.72	3.05	0.338
and	48.77	51.82	3.05	1.209
RCH-12-19	36.58	38.10	1.52	0.442
and	41.15	44.20	3.05	0.480
and	54.86	59.44	4.57	0.743
RCH-12-20	42.67	44.20	1.52	0.404
RCH-12-22	9.14	10.67	1.52	1.400
and	13.72	15.24	1.52	0.646
and	18.29	21.34	3.05	0.328
RCH-12-23	42.67	47.24	4.57	0.330
RCH-12-24	22.86	24.38	1.52	0.407
and	38.10	39.62	1.52	0.440

** Lengths represent core lengths – true widths are unknown because insufficient drilling has been completed to determine nature and orientation of mineralization.*

All intervals highlighted in the above Table VI were composed of 5 to 30% quartz vein chips. Mineralization within these intervals comprised weakly disseminated (<2%) pyrite and magnetite. Intervals with no vein material generally returned background to weakly anomalous values.

Section 1 is the northern-most section line. This section contained seven holes over a length of 450 m. It was positioned to test a string of weakly to moderately anomalous gold values and one strongly anomalous value (1275 ppb). Due to proximity to a creek, all holes were collared west of the projected trace of the eastern fault. RCH-12-01 to RCH-12-05 intersected listwanite altered ultramafic rocks (CPAa) with narrow zones of quartz veining. RCH-12-06 and RCH-12-07, which are the western-most holes, both intersected an oxidized fault zone with CPAa in the hanging wall and chlorite phyllite (DMNc) in the footwall.

Section 2 lies 100 m south of Section 1 and has one drill hole (RCH-12-08) on it. This hole targeted the strike extension of the fault zone intersected in RCH-12-06 and RCH-12-07. RCH-12-08 cut a small transition zone with minor oxidation at the contact between CPAa and DMNc.

Section 3 is located 200 m south of Section 1. Eight holes were drilled along this 520 m long line to test moderately to strongly anomalous gold-in-soil values up to 586 ppb. RCH-12-15 and RCH-12-16 intersected the eastern fault. These holes feature unaltered ultramafic rocks (CPAb) in the hanging wall, an oxidized fault zone and CPAa in the footwall. The orientation of the fault could not be determined because the large chip size at the top of RCH-12-15 and RCH-12-16 indicated that material sampled was likely not bedrock. RCH-12-09 intersected CPAa in the hanging wall, an oxidized fault zone and chlorite phyllite (DMNc) in the footwall.

Section 4 lies 400 m south of Section 1, is 620 m long and encompassed six drill holes. It tested beneath weakly to moderately anomalous gold-in-soil values. RCH-12-17 to RCH-12-21 cut only CPAa. RCH-12-27, the eastern-most drill hole on the section line and on the property, targeted the eastern thrust fault, but was collared too far east and consequently intersected only CPAb.

Section 5 is located 600 m south of Section 1 and comprises three holes over a length of 400 m. The holes were positioned to test moderately to strongly anomalous gold geochemical values up to 1320 ppb. RCH-12-22 and RCH-12-23 cut CPAa with variable amounts of quartz vein material. RCH-12-26 lies 290 m east of RCH-12-23 and it intersected a hanging wall of CPAb, an oxidized fault zone and a footwall of CPAa.

Section 6 lies 800 m south of Section 1 and is the southern-most section line. RCH-12-24 intersected entirely CPAa, while RCH-12-25 cut entirely CPAb. Neither fault was intersected in either hole.

DISCUSSION AND CONCLUSIONS

The 2012 exploration program on the Vivi property tested the core of the gold-in-soil anomaly associated with Wedge A. Mineralization identified in drill holes comprised weakly disseminated pyrite associated with quartz veins. The best result from drilling was 1.595 g/t gold over 1.52 m.

Based on results from the 2012 drill program, the gold geochemical anomaly is thought to be residual gold sourced from deeply weathered veins or altered ultramafic rocks. The narrow mineralized intervals intersected during drilling are attributed to splays off east-west trending veins that were previously identified during mapping and prospecting.

Two additional exploration targets remain untested on the property. The first is the coincident arsenic and antimony anomaly that lies within Wedge B. The other is the copper-in-soil anomaly previously identified in the northern part of the property.

No further drilling is recommended at this time; however, the property does warrant additional exploration. This work should focus on delineating mineralized east-west trending quartz veins and prospecting in the vicinity of the undrilled geochemical anomalies.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

H. Burrell, B.Sc., P.Geo.

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APPENDIX I
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Heather Burrell (née Smith), geologist, with business addresses in Vancouver and Squamish, British Columbia and Whitehorse, Yukon Territory and residential address in Squamish, British Columbia do hereby certify that:

1. I graduated from the University of British Columbia in 2006 with a B. Sc in Geological Sciences.
2. From 2004 to present, I have been actively engaged in mineral exploration in the Yukon Territory, British Columbia and Northwest Territories.
3. I am a Professional Geoscientist (P.Geo.) with the Association of Professional Engineers and Geoscientists of British Columbia (Member Number 34689).
4. I have personally participated in and directed the fieldwork reported herein and have interpreted all data resulting from this work.

H. Burrell, B.Sc., P.Geo.

APPENDIX II
REVERSE CIRCULATION DRILL LOGS

RC Drilling Log

Project RC Drilling

Property Vivi

Zone _____

Northing: <u>6,759,207.00</u>	Dip: <u>-45</u>	Drilling Dates: <u>July 14, 2012</u>	Comments: <u>No chain of custody done for this hole.</u>
Easting: <u>451,294.00</u>	Diameter: <u>3"</u>	to <u>July 14, 2012</u>	
Azimuth: <u>270.00</u>	Depth: <u>200 feet, 61.00m</u>		

Hole RCH-12-01

Logger Name H. Smith/ N. Phillips

Date July 15, 2012

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mag	As	Gn	Cp	Sp	
25	30					UB	FG	MD	GY-BN	1				2-3	1						1% quartz vein with magnetite
30	35					UB	FG	MD	GY	2				3							5% clear quartz vein with trace disseminated
									BN												
35	40					UB	FG	MD	OR	3	4			4	1	1					True talc-carbonate listwanite. 1% quartz vein with
40	45					UB	FG	MD	OR	3	3			4	1						1% quartz vein with trace pyrite
								LT	GY												
45	50					UB	FG	LT	GY	2	1-2			3-4							No quartz veining
								LT	OR												
50	55					UB	FG	LT	GY	2	3-4			4	3						Magnetite present, no quartz veining
								LT	OR												
55	60					UB	FG	LT	GY	2					2						Magnetite present, talc has light green alteration
60	65					UB	FG	LT		3	3				1	1					Green talc with stringers of pyrite throughout
65	70					UB	FG	MD	OR	3	2			4	4						Trace magnetite associated with talc
								MD	GY												
70	75					UB	FG	LT	GN	2-3	3			3	1-2						60% green chlorite talc with magnetite.
								LT	GY												
75	80					UB	FG	MD-DI	GY	1	1			2-3	5						Trace quartz vein and trace oxidation
80	85					UB	FG	MD-DI	GY	2	1			2-3	5						5% quartz veining
85	90					UB	FG	LT-MI	GY	2	2-3			2-3	5						2% oxidized quartz vein
90	95					UB	FG	LT	GY	3	3			3	5						Green talc, 5% quartz vein, 2% quartz-carbonate
								DK	OR												
95	100					UB	FG	LT	GN	3	3-4			3	3						Moderate recovery
								LT	OR												
100	105					UB	FG	LT	OR-GY	2	3			3	1	3					3% magnetite with trace tarnished pyrite
105	110					UB	FG	MD	GR	3-4	4			3	1	2					Talc carbonate altered ultrabasic rock. Trace
									OR												
110	115					UB	FG	MD	OR-GY	3	2			2	3						5% quartz veins
115	120					UB	FG	LT	GY	3	2			3-4	5						Some oxidized carbonate with talc and magnetite

RC Drilling Log

[illegible]

RC Sample Log

IVI RCH-12-01

Date: July 15, 2012

[illegible]

	Sample Number	QA-QC Sample Type	Hole Number	Sample Wt. (kg)
1	M649001		RCH-12-01	
2	M649002		RCH-12-01	
3	M649003		RCH-12-01	
4	M649004		RCH-12-01	
5	M649005		RCH-12-01	
6	M649006		RCH-12-01	
7	M649007	BLANK	RCH-12-01	
8	M649008		RCH-12-01	
9	M649009		RCH-12-01	
10	M649010		RCH-12-01	
11	M649011		RCH-12-01	
12	M649012		RCH-12-01	
13	M649013		RCH-12-01	
14	M649014		RCH-12-01	
15	M649015	ML-2 Standard	RCH-12-01	
16	M649016		RCH-12-01	
17	M649017		RCH-12-01	
18	M649018		RCH-12-01	
19	M649019		RCH-12-01	
20	M649020		RCH-12-01	
21	M649021		RCH-12-01	
22	M649022		RCH-12-01	
23	M649023		RCH-12-01	
24	M649024	CDN-ME-15	RCH-12-01	
25	M649025		RCH-12-01	
26	M649026		RCH-12-01	
27	M649027		RCH-12-01	
28	M649028		RCH-12-01	
29	M649029		RCH-12-01	
30	M649030		RCH-12-01	

31	M649031		RCH-12-01	
32	M649032		RCH-12-01	
33	M649033		RCH-12-01	
34	M649034		RCH-12-01	
35	M649035	BLANK	RCH-12-01	
36	M649036		RCH-12-01	
37	M649037		RCH-12-01	
38	M649038		RCH-12-01	
39	M649039		RCH-12-01	

Batch: RCH-12-01**Area: RC****ID Colour: Blue****Weight: kg / lbs**

Bag #	From (sample #)	To (sample #)	Total # samples	ID #
1	M649001	M649003	3	-
2	M649004	M649006	3	-
3	M649007	M649009	3	-
4	M649010	M649011	2	-
5	M649012	M649014	3	-
6	M649015	M649018	4	-
7	M649019	M649021	3	-
8	M649022	M649025	4	-
9	M649026	M649028	3	-
10	M649029	M649031	3	-
11	M649032	M649034	3	-
12	M649035	M649037	3	-
13	M649038	M649039	2	-

SAMPLE SHIPMENT LOG

RC Drilling Log

Project _____ RC Drilling_____

Property _____ Vivi _____

Zone _____

Northing:	6,759,188.00	Dip:	-45	Drilling Dates:	July 14, 2012	Comments:	No chain of custody done for this hole.
Easting:	451,219.00	Diameter:	3"		to July 15, 2012		
Azimuth:	270.00	Depth:	200 feet, 61.00m				

Hole RCH-12-02

Logger Name H. Smith/N. Phillips

Date July 15, 2012

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mag	As	Gn	Cp	Sp	
20	25					UB	FG	LT	OR	2	3			2	1	10					5% quartz veins with trace pyrite.
								LT	GY												
25	30					UB	FG	LT	OR	3	3			3		15					3% light grey talc.
								LT	GY												
30	35					UB	FG	LT	OR	3	4			3		5					2% quartz vein.
								LT	GY												
35	40					UB	FG	T-ME	GY	1	1			4		2					2% quartz vein.
40	45					UB	FG	MD	GY	1	2			4							
								LT	OR												
45	50					UB	FG	MD	GY	2	3			3	1	3					5% quartz vein with trace tarnished sulphide
								LT	OR												
50	55					UB	FG	LT	BL	1	2			3		5					Chlorite talc, 2% quartz vein.
								LT	GR												
55	60					UB	FG	LT	OR	3	3			3		5					
								MD	GY												
60	65					UB	FG	T-ME	GY	1	1-2			4		10					2% Quartz vein
65	70					UB	FG	T-ME	GY	1	1-2			4		10					Same as 60-65ft.
70	75					UB	FG	T-ME	GY	0	1			4		10					5% quartz vein.
75	80					UB	FG	MD	GY	3	3			3	1	10					Talc is light green (chlorite talc?). 1% tarnished
								OR													
80	85					UB	FG	MD	OR	3-4	3			2		5					15% quartz (with one large piece).
								LT	GY												
85	90					UB	FG	LT	GY	1	3			3		3					5% quartz.
								LT	OR												
90	95					UB	FG	LT	GY	1	1			4	1	5					3% quartz, trace tarnished sulphide with quartz.

RC Drilling Log

[illegible]

RC Drilling Log

[illegible]

RC Sample Log

IVI RCH-12-02

Date: July 15, 2012

[illegible]

	Sample Number	QA-QC Sample Type	Hole Number	Sample Wt. (kg)
1	M649040		RCH-12-02	
2	M649041		RCH-12-02	
3	M649042		RCH-12-02	
4	M649043		RCH-12-02	
5	M649044		RCH-12-02	
6	M649045		RCH-12-02	
7	M649046		RCH-12-02	
8	M649047	ML-2 Standard	RCH-12-02	
9	M649048		RCH-12-02	
10	M649049		RCH-12-02	
11	M649050		RCH-12-02	
12	M649051		RCH-12-02	
13	M649052		RCH-12-02	
14	M649053		RCH-12-02	
15	M649054	BLANK	RCH-12-02	
16	M649055		RCH-12-02	
17	M649056		RCH-12-02	
18	M649057		RCH-12-02	
19	M649058		RCH-12-02	
20	M649059		RCH-12-02	
21	M649060		RCH-12-02	
22	M649061		RCH-12-02	
23	M649062	BLANK	RCH-12-02	
24	M649063		RCH-12-02	
25	M649064		RCH-12-02	
26	M649065		RCH-12-02	
27	M649066		RCH-12-02	
28	M649067		RCH-12-02	
29	M649068		RCH-12-02	
30	M649069		RCH-12-02	

31	M649070		RCH-12-02	
32	M649071	CDN-ME-15	RCH-12-02	
33	M649072		RCH-12-02	
34	M649073		RCH-12-02	
35	M649074		RCH-12-02	
36	M649075		RCH-12-02	
37	M649076		RCH-12-02	
38	M649077		RCH-12-02	
39	M649078		RCH-12-02	
40	M649079		RCH-12-02	

Batch: RCH-12-02**Area: RC****ID Colour: Pink****Weight: kg / lbs**

Bag #	From (sample #)	To (sample #)	Total # samples	ID #
1	M649040	M649042	3	
2	M649043	M649045	3	
3	M649046	M649049	4	
4	M649050	M649052	3	
5	M649053	M649055	3	
6	M649056	M649058	3	
7	M649059	M649061	3	
8	M649062	M649064	3	
9	M649065	M649067	3	
10	M649068	M649070	3	
11	M649071	M649074	4	
12	M649075	M649077	3	
13	M649078	M649079	2	

SAMPLE SHIPMENT LOG

RC Drilling Log

Project RC Drilling

Property Vivi

Zone

Dip: -45

Dip: -45

Drilling Dates: July 15, 2012

Comments: No chain of custody done for this hole.

Diameter: 3"

Diameter: 3"

to July 15, 2012

Depth: 200 feet, 61.00m

Depth: 200 feet, 61.00m

Hole RCH-12-03

Logger Name H. Smith/N. Phillips

Date July 15, 2012

[illegible]

RC Drilling Log

[illegible]

RC Drilling Log

[illegible]

RC Sample Log

IVI RCH-12-03

Date: July 15, 2012

[illegible]

	Sample Number	QA-QC Sample Type	Hole Number	Sample Wt. (kg)
1	M649080		RCH-12-03	
2	M649081		RCH-12-03	
3	M649082		RCH-12-03	
4	M649083	BLANK	RCH-12-03	
5	M649084		RCH-12-03	
6	M649085		RCH-12-03	
7	M649086		RCH-12-03	
8	M649087		RCH-12-03	
9	M649088		RCH-12-03	
10	M649089		RCH-12-03	
11	M649090		RCH-12-03	
12	M649091		RCH-12-03	
13	M649092		RCH-12-03	
14	M649093		RCH-12-03	
15	M649094	ML-2 Standard	RCH-12-03	
16	M649095		RCH-12-03	
17	M649096		RCH-12-03	
18	M649097		RCH-12-03	
19	M649098		RCH-12-03	
20	M649099		RCH-12-03	
21	M649100		RCH-12-03	
22	M649101		RCH-12-03	
23	M649102		RCH-12-03	
24	M649103		RCH-12-03	
25	M649104		RCH-12-03	
26	M649105		RCH-12-03	
27	M649106		RCH-12-03	
28	M649107	CDN-ME-15	RCH-12-03	
29	M649108		RCH-12-03	
30	M649109		RCH-12-03	

31	M649110		RCH-12-03	
32	M649111		RCH-12-03	
33	M649112		RCH-12-03	
34	M649113		RCH-12-03	
35	M649114		RCH-12-03	
36	M649115	BLANK	RCH-12-03	
37	M649116		RCH-12-03	
38	M649117		RCH-12-03	
39	M649118		RCH-12-03	
40	M649119		RCH-12-03	
10	M649120		RCH-12-03	

Batch: RCH-12-03

Area: RC

ID Colour: Green

Weight: kg / lbs

Bag #	From (sample #)	To (sample #)	Total # samples	ID #
1	M649080	M649082	3	-
2	M649083	M649085	3	-
3	M649086	M649088	3	-
4	M649089	M649091	3	-
5	M649092	M649095	4	-
6	M649096	M649098	3	-
7	M649099	M649101	3	-
8	M649102	M649104	3	-
9	M649105	M649108	4	-
10	M649109	M649111	3	-
11	M649112	M649114	3	-
12	M649115	M649117	3	-
13	M649118	M649120	3	-

SAMPLE SHIPMENT LOG

RC Drilling Log

Project: Vivi RC Drilling: Midnight Sun

Property : _____ Vivi _____

Zone _____

Northing:	6,759,203.00	Dip:	-45	Drilling Dates:	July 15, 2012	Comments:	No chain of custody was done for this hole.
Easting:	451,041.00	Diameter:	3"		to July 15, 2012		
Azimuth:	270.00	Depth:	55 feet, 16.76m				

Hole RCH-12-04

Logger Name H. Smith/L. Flavelle

Date July 15, 2012[illegible]

RC Sample Log

IVI RCH-12-04

Date: July 15, 2012

[illegible]

[illegible]

Weight: kg / lbs[illegible]

SAMPLE SHIPMENT LOG

RC Drilling Log

Project: Vivi RC Drilling: Midnight Sun

Property : _____ Vivi _____

Zone: Vivi

Northing: 6,759,203.00	Dip: -45	Drilling Dates: July 15, 2012	Comments: Anomalous yellow mineral (VG?) from 100-105'.
Easting: 450,971.00	Diameter: 3"	to July 15, 2012	
Azimuth: 270.00	Depth: 200 feet, 61.00m		

Hole: RCH-12-05

Logger Name: N. Phillips/L. Flavelle

Date: July 17, 2012

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
10	15					UB	FG	LT	GY	1	2			4		5					2% quartz vein, talc is light green (chlorite?)
15	20					UB	FG	LT	GY	1	2			4		15					trace to 1% quartz vein, talc is light blue-green
20	25					UB	FG	LT	GY	1	1			4	1%	10					low recovery: 5% light yellow quartz vein with
25	30					UB	FG	MD-L	GY	0	1			5		10					trace to 2% quartz vein, light blue-green talc
30	35					UB	FG	MD-L	GY	0	1			5		10					trace to 2% quartz vein, light blue-green talc
35	40					UB	FG	MD-L	GY	0	1			5		10					trace to 2% quartz vein, light blue-green talc
40	45					UB	FG	MD-L	GY-OR	3	3			2		20					10% quartz vein
45	50					UB	FG	T-MM	GY	1	2			3		15					5% quartz vein
50	55					UB	FG	LT-MD	GY-OR	1	4			2		10					5-10% quartz vein, light green talc (chlorite?)
55	60					UB	FG	LD	GY	2	2			3		15					low recovery: 20% quartz vein, slight hematite
60	65					UB	FG	LT-MD	GY	1	2			3	1	15					5% quartz vein, 2% hematite stain, light green talc
65	70					UB	FG	LT-MD	GY	0	1			5		15					low recovery: 3% quartz vein hosting trace fine-
70	75					UB	FG	LT	GY	0	1			5		10					5% quartz vein, trace hematite stain
75	80					UB	FG	MD	GY	0	0			5		15					5% quartz vein
80	85					UB	FG	MD	GY	0	1			5		15					5% quartz vein

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
85	90					UB	FG	MD	GY	0	0			5	15						5% quartz vein
90	95					UB	FG	MD	GY	0	1			3	20						5-10% light yellow quartz vein
95	100					UB	FG	MD	GY-OR	2	3			2	15						low recovery: trace hematite, trace quartz vein
100	105					UB	FG	MD	GY	1	2			2	1	20					**possible VG in yellow quartz vein: very fine-
105	110					UB	FG	MD	GY	3	2			3	1	15					5-10% quartz vein, trace hematite
110	115					UB	FG	LT-MD	GY	1	1-2			2		15					15% serpentine, 10% quartz vein, light green talc
115	120					UB	FG	LT	GY-OR	1-2	2			2		20					5-10% quartz vein, light green talc (chlorite?)
120	125					UB	FG	LT	GY	1	1-2			1-2	1	15					5% quartz vein, light green talc (chlorite?)
125	130					UB	FG	LT	GY	0	1			2	1	15					Trace quartz vein (1%?), trace pyrite?
130	135					UB	FG	LT	GY-WH	0-1	1-2			2	1	10					5% quartz vein, trace pyrite
135	140					UB	FG	LT	GY-OR	1	2			3	1	5					5% quartz vein
140	145					UB	FG	LT	GY-OR	1	2-3			3-4	0	<5					No quartz vein
145	150					UB	FG	MD	GY	0	1			4-5		<5					talc is light green (chlorite?)
150	155					UB	FG	LT	GY-GN	0	0-1			5	1						no quartz vein
155	160					UB	FG	LT-MD	GY	0	1			5	1						some dark green chlorite present
160	165					UB	FG	LT	GY-OR	0-1	1-2			4-5	1	5					no quartz vein
165	170					UB	FG	LT	GY-OR	0-1	1-2			4-5		5					5% quartz vein
170	175					UB	FG	LT	GY-OR	0-1	1			4		5					5% quartz vein
175	180					UB	FG	LT	GY-O	0-1	2-3			4		5					5% quartz vein

RC Drilling Log

[illegible]

RC Sample Log

IVI RCH-12-05

Date: July 16, 2012

[illegible]

	Sample Number	QA-QC Sample Type	Hole Number	Sample Wt. (kg)
1	M649126		RCH-12-05	
2	M649127		RCH-12-05	
3	M649128		RCH-12-05	
4	M649129		RCH-12-05	
5	M649130		RCH-12-05	
6	M649131		RCH-12-05	
7	M649132		RCH-12-05	
8	M649133		RCH-12-05	
9	M649134		RCH-12-05	
10	M649135	ML-2 Standard	RCH-12-05	
11	M649136		RCH-12-05	
12	M649137		RCH-12-05	
13	M649138		RCH-12-05	
14	M649139		RCH-12-05	
15	M649140		RCH-12-05	
16	M649141		RCH-12-05	
17	M649142		RCH-12-05	
18	M649143	BLANK	RCH-12-05	
19	M649144		RCH-12-05	
20	M649145		RCH-12-05	
21	M649146		RCH-12-05	
22	M649147		RCH-12-05	
23	M649148		RCH-12-05	
24	M649149		RCH-12-05	
25	M649150		RCH-12-05	
26	M649151		RCH-12-05	
27	M649152		RCH-12-05	
28	M649153	CDN-ME-15	RCH-12-05	
29	M649154		RCH-12-05	
30	M649155		RCH-12-05	

31	M649156		RCH-12-05	
32	M649157		RCH-12-05	
33	M649158		RCH-12-05	
34	M649159		RCH-12-05	
35	M649160		RCH-12-05	
36	M649161		RCH-12-05	
37	M649162	BLANK	RCH-12-05	
38	M649163		RCH-12-05	
39	M649164		RCH-12-05	
40	M649165		RCH-12-05	
41	M649166		RCH-12-05	
42	M649167		RCH-12-05	

Batch: RCH-12-05

Area: RC

ID Colour: Green

Weight: kg / lbs

Bag #	From (sample #)	To (sample #)	Total # samples	ID #
1	M649126	M649128	3	20021
2	M649129	M649131	3	20022
3	M649132	M649135	4	20023
4	M649136	M649138	3	20024
5	M649139	M649141	3	20025
6	M649142	M649144	3	20026
7	M649145	M649147	3	20027
8	M649148	M649150	3	20028
9	M649151	M649154	4	20029
10	M649155	M649157	3	20030
11	M649158	M649160	3	20031
12	M649161	M649163	3	20032
13	M649164	M649165	2	20033
14	M649166	M649167	2	20034

SAMPLE SHIPMENT LOG

RC Drilling Log

Project: Vivi RC Drilling: Midnight Sun

Property : Vivi

Zone: Vivi

Northing: 6,759,204.00

Dip: -45

Drilling Dates: July 15, 2012

Comments:

Easting: 450,909.00

Diameter: 3"

to July 16, 2012

Azimuth: 270.00

Depth: 200 feet, 61.00m

Hole: RCH-12-06

Logger Name: N. Phillips/L. Flavelle

Date: July 17, 2012

[illegible]

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS (%)						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
65	70					UB	fg	LT LT	YW GY	1-21-2			3-4	1	5						20% quartz vein (20% of which is yellow) with fine-
70	75					UB	fg	LT LT	OR GY	2	2		3	1	10						5-10% quartz vein with oxidized stringers of
75	80					UB	fg	LT LT	YW GY	2-32-3			3	1	15						Low recovery. 5-10% quartz vein, often light
80	85					UB	fg	LT LT	OR GY	3	2-3		2	1	10						15% quartz vein.
85	90					UB	fg	LT LT	OR GY	3	2		3		5						10% quarz vein (yellow), talc is light green.
90	95					UB	fg	LT DK	OR OR	4-5	3		2-3	1	1						2% hematite staining. 5-10% quartz vein.
95	100					UB	fg	LT MD	OR OR	4	3		2	1-2	1						2% hematite. Disseminated pyrite hosted within 5-
100	105					UB	fg	LT MD	GY GY	1	1-2		4-5		1						5% quartz vein.
105	110					UB	fg	LT MD	GY GY	1	1-2		5		1						<5% quartz vein. Magnetite associated with quartz
110	115					UB	fg	MD LT	OR GY	3-4	2		3	1	1						5-10% quartz vein with hematite stringers.
115	120					UB	fg	LT MD	GY OR	3-41-2			3	1	1						Hematite on some surfaces. Quartz veining <5%
120	125					UB	fg	LT MD	GY OR	2-31-2			4	1	1						Hematite stringers. Talc is more green, an increase
125	130					UB	fg	LT MD	GY OR	2-31-2			4	1	1						Fine specs of yellow sulphide at maximum

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS (%)						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
130	135					FLR	fg	DK	GY	2-3				0	1-20						Transition zone: 10% carbonate altered rock
								LT	YW												
135	140					FLR	fg	MD	OR	5	1-2			0	1	0					Stringers of limonite and hematite. 5-10% quartz.
								DK	OR												
140	145					FLR	fg	MD	OR	4	1-2			0	1	0					20% quartz with trace fine-grained disseminated
145	150					FLR	fg	MD	OR	4	1			0	2		1				20% quartz with 2% tarnished and untarnished
150	155					PHY	fg	DK	GY	3	1			0	3						15% white quartz veining with carbonate coating.
								DK	OR												
155	160					PHY	fg	DK	GY	0-1	0			0	2						10% quartz veins, 1 chip of oxidized fault rock.
160	165					PHY	fg	DK	GY	0-1	0			0	1						<5% quartz vein.
								DK	GN												
165	170					PHY	fg	DK	GY	0-1	0			0	1						<5% quartz veins. Pyrite is disseminated in the
								DK	GN												
170	175					PHY	fg	DK	GY	0-1	1			0	<1						2% quartz veins.
								DK	GN												
175	180					PHY	fg	DK	GY	0-10	1			0	<1						Cleavage becomes more apparent. Higher chlorite
								DK	GN												
180	185					PHY	fg	DK	GY	0-1	0			0	1			<1			Chlorite phyllite with 10% quartz hosting trace
								DK	GN												
185	190					PHY	fg	DK	GY	0-10				0	1						Chlorite phyllite with ~5% quartz. Pyrite is

RC Sample Log

IVI RCH-12-06

Date: July 17, 2012

[illegible]

	Sample Number	QA-QC Sample Type	Hole Number	Sample Wt. (kg)
1	M649168		RCH-12-06	
2	M649169		RCH-12-06	
3	M649170		RCH-12-06	
4	M649171		RCH-12-06	
5	M649172		RCH-12-06	
6	M649173		RCH-12-06	
7	M649174		RCH-12-06	
8	M649175		RCH-12-06	
9	M649176	BLANK	RCH-12-06	
10	M649177		RCH-12-06	
11	M649178		RCH-12-06	
12	M649179		RCH-12-06	
13	M649180		RCH-12-06	
14	M649181		RCH-12-06	
15	M649182	ML-2 Standard	RCH-12-06	
16	M649183		RCH-12-06	
17	M649184		RCH-12-06	
18	M649185		RCH-12-06	
19	M649186		RCH-12-06	
20	M649187		RCH-12-06	
21	M649188		RCH-12-06	
22	M649189	CDN-ME-15	RCH-12-06	
23	M649190		RCH-12-06	
24	M649191		RCH-12-06	
25	M649192		RCH-12-06	
26	M649193		RCH-12-06	
27	M649194		RCH-12-06	
28	M649195		RCH-12-06	
29	M649196		RCH-12-06	
30	M649197		RCH-12-06	

31	M649198		RCH-12-06	
32	M649199		RCH-12-06	
33	M649200		RCH-12-06	
34	M649201	BLANK	RCH-12-06	
35	M649202		RCH-12-06	
36	M649203		RCH-12-06	
37	M649204		RCH-12-06	
38	M649205		RCH-12-06	
39	M649206		RCH-12-06	
40	M649207		RCH-12-06	
41	M649208		RCH-12-06	

Batch: RCH-12-06**Area: RC****ID Colour: Orange****Weight: kg / lbs**

Bag #	From (sample #)	To (sample #)	Total # samples	ID #
1	M649168	M649170	3	20035
2	M649171	M649173	3	20036
3	M649174	M649176	3	20037
4	M649177	M649179	3	20038
5	M649180	M649183	4	20039
6	M649184	M649186	3	20040
7	M649187	M649190	4	20041
8	M649191	M649193	3	20042
9	M649194	M649196	3	20043
10	M649197	M649199	3	20044
11	M649200	M649202	3	20045
12	M649203	M649205	3	20046
13	M649206	M649208	3	20047

SAMPLE SHIPMENT LOG

RC Drilling Log

Project: Vivi RC Drilling: Midnight Sun

Property : Vivi

Zone: Vivi

Northing:	6,759,204.00	Dip:	-45	Drilling Dates:	July 16, 2012	Comments:	Lots of water coming from hole while drilling
Easting:	450,846.00	Diameter:	3"		to July 17, 2012		
Azimuth:	270.00	Depth:	200 feet, 61.00m				

Hole: RCH-12-07

Logger Name: N. Phillips/L. Flavelle

Date: July 18th

[illegible]

RC Drilling Log

[illegible]

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS (%)						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
135	140					PHY	FG	MD-L	GN	1	0		0	1							10% oxidized quartz vein, trace pyrite in chlorite
140	145					PHY	FG	MD-L	GN	1	0		0	1							trace quartz and trace oxidation
145	150					PHY	FG	MD-DI	GN	0-1	0		0	1							5% quartz vein, some chips oxidized quartz stringers in chlorite phyllite hosting fine-
150	155					PHY	FG	MD-DI	GN	0-1	0		0	1							1% pyrite in chlorite phyllite with 5% quartz veinlets
155	160					PHY	FG	MD-DI	GN	0	0		0	1							5% white quartz hosting trace pyrite, pyrite also
160	165					PHY	FG	MD-DI	GN	0	0		0	0							<5% quartz
165	170					PHY	FG	MD-DI	GN	0-1	0		0	1							5% quartz vein with trace oxidation, trace
170	175					PHY	FG	MD-DI	GN	0	0		0	1							trace quartz vein, trace pyrite in chlorite phyllite
175	180					PHY	FG	MD-DI	GN	0-1	<1		0	1							1% quartz vein with trace carbonate and oxidation,
180	185					PHY	FG	MD-DI	GN	0	0		0	1							1-2% quartz vein hosting trace disseminated pyrite,
185	190					PHY	FG	MD-DI	GN	0	0		0	1							5% quartz vein hosting disseminated pyrite and

RC Sample Log

IVI RCH-12-07

Date: July 18, 2012

[illegible]

	Sample Number	QA-QC Sample Type	Hole Number	Sample Wt. (kg)
1	M649209		RCH-12-07	
2	M649210		RCH-12-07	
3	M649211		RCH-12-07	
4	M649212		RCH-12-07	
5	M649213		RCH-12-07	
6	M649214		RCH-12-07	
7	M649215		RCH-12-07	
8	M649216		RCH-12-07	
9	M649217	BLANK	RCH-12-07	
10	M649218		RCH-12-07	
11	M649219		RCH-12-07	
12	M649220		RCH-12-07	
13	M649221		RCH-12-07	
14	M649222		RCH-12-07	
15	M649223		RCH-12-07	
16	M649224		RCH-12-07	
17	M649225		RCH-12-07	
18	M649226	ML-2 Standard	RCH-12-07	
19	M649227		RCH-12-07	
20	M649228		RCH-12-07	
21	M649229		RCH-12-07	
22	M649230		RCH-12-07	
23	M649231		RCH-12-07	
24	M649232		RCH-12-07	
25	M649233		RCH-12-07	
26	M649234	BLANK	RCH-12-07	
27	M649235		RCH-12-07	
28	M649236		RCH-12-07	
29	M649237		RCH-12-07	
30	M649238		RCH-12-07	

31	M649239		RCH-12-07	
32	M649240		RCH-12-07	
33	M649241		RCH-12-07	
34	M649242		RCH-12-07	
35	M649243	CDN-ME-15 Standard	RCH-12-07	
36	M649244		RCH-12-07	
37	M649245		RCH-12-07	
38	M649246		RCH-12-07	
39	M649247		RCH-12-07	
40	M649248		RCH-12-07	

Batch: RCH-12-07

Area: RC

ID Colour: Pink

Weight: kg / lbs

Bag #	From (sample #)	To (sample #)	Total # samples	ID #
1	M649209	M649211	3	20048
2	M649212	M649214	3	20049
3	M649215	M649217	3	20050
4	M649218	M649220	3	20051
5	M649221	M649223	3	20052
6	M649224	M649227	4	20053
7	M649228	M649230	3	20054
8	M649231	M649233	3	20055
9	M649234	M649236	3	20056
10	M649237	M649239	3	20057
11	M649240	M649243	4	20058
12	M649244	M649246	3	20059
13	M649247	M649248	2	20060

RC Drilling Log

Project: Vivi RC Drilling: Midnight Sun

Property : Vivi

Zone: Vivi

Northing: 6,759,106.00

Dip: -45

Drilling Dates: July 17th

Comments:

Easting: 450,896.00

Diameter: 3"

to July 18th

Azimuth: 270.00

Depth: 200

Hole: RCH-12-08

Logger Name: N. Phillips/L. Flavelle

Date: July 18th

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
20	25					UB	fg	MD MD	GY OR	2-3	3			2		10					20% quartz.
25	30					UB	fg	MD MD	GY OR	2-3	3			2		10					5-10% quartz veins.
30	35					UB	fg	MD MD	GY OR	2-3	3			2	1	15					5-10% quartz. Quartz is stained yellow. Pyrite is
35	40					UB	fg	MD MD	GY OR	3	2			2	1	15					15% quartz. Trace disseminated sulphide
40	45					UB	fg	MD	BL	3	2-3			3-4	1	5					20% quartz. Trace pyrite, talc is blue.
45	50					UB	fg	MD	OR WH	2-3	3			3	1	15					15% quartz with trace pyrite.
50	55					UB	fg	MD MD	OR GR	2-3	2			3	1	10					Some hematite along fractures. Trace pyrite
55	60					UB	fg	MD MD	OR GR	2-3	2			3	1	10					Same as previous - Some hematite along
60	65					UB	fg	MD MD	OR GY	2	2-3			2-3	1	15					10% quartz, some is oxidized to an orange colour.
65	70					UB	fg	MD MD	OR GY	3	3			2	1	5-20					Magnetite and hematite stringers are found in the

RC Drilling Log

[illegible]

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
135	140					PHY	fg	MD	GY						1-2						Pyrite, trace hematite and trace carbonate (calcite)
								DK	GY												
								DK	GN												
140	145					PHY	fg	MD	GY					1	1-2						2% quartz veins. Pyrite along fractures. Talc is light
								DK	GY												
145	150					PHY	fg	MD	GY	0				1	2-3						Veinlets of pyrite within phyllite and on fracture
								DK	GY												
150	155					PHY	fg	MD	GY	0-1					1-2						Pyrite along fracture surfaces and in quartz veins.
								DK	GY												
155	160					PHY	fg	MD	GY	2-3					1						Oxidation along all fractures, cleavage more
								MD	GN												
160	165					PHY	fg	MD	GY	1-2					1						5% quartz vein, 2% talc (more green). Pyrite within
								MD	GN												
165	170					PHY	fg	MD	GY	1-2					1						Pyrite in fracture planes. 3% quartz veins, some
								MD	GN												
170	175					PHY	fg	MD	OR	3				1-2	1						20% phyllite with some talc. 80% of interval is
								MD	YW												
									WH												
175	180					PHY	fg	DK	GY	1				1	1						Pyrite in fractures. Trace talc. 5% quartz veins.
								DK	GN												
180	185					PHY	fg	DK	GN	1				1	1						5-10% quartz veins hosting trace blebby pyrite.
185	190					PHY	fg	MD	GY	1	0-1				1						Trace disseminated pyrite. 5% quartz veins, some
								DK	GY												
190	195					PHY	fg	DK	GY	2	2				1						5% quartz carbonate veins.
								DK	BL												
								DK	GN												
195	200					PHY	fg	LT	VH/BL	0-1				2	1-2						Low recovery: 80% quartz-carbonate veins, rest is

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
								DK	GY												

EOH @200ft = 61m

RC Sample Log

IVI RCH-12-08

Date: July 15, 2012

[illegible]

	Sample Number	QA-QC Sample Type	Hole Number	Sample Wt. (kg)
1	M649249		RCH-12-08	
2	M649250		RCH-12-08	
3	M649251		RCH-12-08	
4	M649252		RCH-12-08	
5	M649253	BLANK	RCH-12-08	
	M649254		RCH-12-08	
	M649255		RCH-12-08	
	M649256		RCH-12-08	
	M649257		RCH-12-08	
	M649258		RCH-12-08	
	M649259		RCH-12-08	
	M649260		RCH-12-08	
	M649261	ML-2 STANDARD	RCH-12-08	
	M649262		RCH-12-08	
	M649263		RCH-12-08	
	M649264		RCH-12-08	
	M649265		RCH-12-08	
	M649266		RCH-12-08	
	M649267		RCH-12-08	
	M649268	BLANK	RCH-12-08	
	M649269		RCH-12-08	
	M649270		RCH-12-08	
	M649271		RCH-12-08	
	M649272		RCH-12-08	
	M649273		RCH-12-08	
	M649274		RCH-12-08	
	M649275		RCH-12-08	
	M649276		RCH-12-08	
	M649277		RCH-12-08	
	M649278	CDN-ME-15	RCH-12-08	

	M649279	RCH-12-08	
	M649280	RCH-12-08	
	M649281	RCH-12-08	
	M649282	RCH-12-08	
	M649283	RCH-12-08	
	M649284	RCH-12-08	
	M649285	RCH-12-08	
	M649286	RCH-12-08	
	M649287	RCH-12-08	
	M649288	RCH-12-08	

Batch: RCH-12-

Area: RC

ID Colour:

Weight: kg / lbs

Bag #	From (sample #)	To (sample #)	Total # samples	ID #
1	M649249	M649251	3	20061
2	M649252	M649254	3	20062
3	M649255	M649257	3	20063
4	M649258	M649260	3	20064
5	M649261	M649264	4	20065
6	M649265	M649267	3	20066
7	M649268	M649270	3	20067
8	M649271	M649273	3	20068
9	M649274	M649276	3	20069
10	M649277	M649280	4	20070
11	M649281	M649283	3	20071
12	M649284	M649286	3	20072
13	M649287	M649288	2	20073

SAMPLE SHIPMENT LOG

RC Drilling Log

Project: Vivi RC Drilling: Midnight Sun

Property : Vivi

Zone: Vivi

Northing: 6,759,018.00

Dip: -45

Drilling Dates: July 18th

Comments:

Easting: 450,936.00

Diameter: 3"

to July 18th

Azimuth: 270.00

Depth: 200

Hole: RCH-12-09

Logger Name: N. Phillips/L. Flavelle

Date: July 19th

[illegible]

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
70	75					UB	fg	MD MD	GY BL	1	2			3-4	0	0-15					3% quartz.
75	80					UB	fg	MD MD	GY BL	0	2			3-4	0	0-15					<5% quartz.
80	85					UB	fg	MD MD	GY OR	2	3			2	0.5	15					~5% quartz. Trace pyrite associated with the
85	90					UB	fg	MD LT	BL OR	1	2			3-4	1	10					Trace pyrite in the ultrabasic.
90	95					UB	fg	MD MD	GY BL	0	1			4	0.5	15					Trace quartz veinlets. Trace disseminated pyrite.
95	100					UB	fg	MD MD	GY BL	0	0			5	0.1	15					Trace disseminated pyrite. No quartz veinlets.
100	105					UB	fg	MD MD	GY BL	0	0			5	0.5	20					3% quartz. Trace disseminated pyrite, mainly in the
105	110					UB	fg	MD MD	GY BL	0	0			5	0.1	20					Trace quartz (~1%) with trace disseminated pyrite.
110	115					UB	fg	MD MD	GY BL	0	0			5	0.5	10					Trace pyrite disseminated in the ultrabasic. Trace
115	120					UB	fg	DK MD	GY GN	0	0			2	0.5	10					Interval is much more green. Increase in chlorite
120	125					UB	fg	MD-DK	GN	0-1	1			3	0.5	5					5% quartz veins, which are oxidized to a light
125	130					UB	fg	MD DK	GN GN	0	0			4	0.5						1-2% quartz veins, overall a medium to dark green
130	135					UB	fg	MD DK	GN GN	0	0			3	0.5	<5					High chlorite content.

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
135	140					UB	fg	MD LT	GY BL	0-1	1-2			3-4	0.1	<5					Talc becomes more light blue.
140	145					UB	fg	LT LT	OR BL	3	2-3			3	1	3					Lower recovery. Trace disseminated pyrite.
145	150					FLR	fg	DK LT	GY OR	2	2-3			<1	2	0					About 30% phyllite and 70% quartz-carbonate
150	155					FLR	fg	LT	GN/OR WH	2-3	2			<1	1	0					98% quartz carbonate veins with 2% phyllite.
155	160					PHY	fg	DK DK	GY GN	0.5	0			0	1						Dark green chlorite phyllite with 5% quartz veins
160	165					PHY	fg	DK DK	GY GN	0.5	0			0	1-2						~3% quartz. 1-2% disseminated pyrite along
165	170					PHY	fg	DK DK	GY GN	0.5	0			0	1-2						Dark green phyllite with small pyrite veinlets.
170	175					PHY	fg	DK DK	GY GN	0	0			0	1						5% white quartz-carbonate veins which react to
175	180					PHY	fg	DK DK	GY GN	0	0			0	1-2						3% quartz carbonate veinlets. Pyrite along
180	185					PHY	fg	DK DK	GY GN	0	0			0	0.5						Trace quartz and trace disseminated pyrite.
185	190					PHY	fg	DK DK	GY GN	0	0			0	1						No quartz veins. Trace pyrite along fractures.
190	195					PHY	fg	DK DK	GY GN	0.5	0			0	1-2						Trace disseminated pyrite, mainly along fractures.
195	200					PHY	fg	DK	GY	0.5	0			0	1-2						Same as previous: Trace disseminated pyrite,

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
								DK	GN												

EOH @ 200 feet

RC Sample Log

'IVI RCH-12-09

Date: July 19th

[illegible]

	Sample Number	QA-QC Sample Type	Hole Number	Sample Wt. (kg)
1	M649289		RCH-12-09	
2	M649290		RCH-12-09	
3	M649291		RCH-12-09	
4	M649292		RCH-12-09	
5	M649293		RCH-12-09	
6	M649294		RCH-12-09	
7	M649295		RCH-12-09	
8	M649296	BLANK	RCH-12-09	
9	M649297		RCH-12-09	
10	M649298		RCH-12-09	
11	M649299		RCH-12-09	
12	M649300		RCH-12-09	
13	M649301		RCH-12-09	
14	M649302		RCH-12-09	
15	M649303	STD ML-2	RCH-12-09	
16	M649304		RCH-12-09	
17	M649305		RCH-12-09	
18	M649306		RCH-12-09	
19	M649307		RCH-12-09	
20	M649308		RCH-12-09	
21	M649309		RCH-12-09	
22	M649310	BLANK	RCH-12-09	
23	M649311		RCH-12-09	
24	M649312		RCH-12-09	
25	M649313		RCH-12-09	
26	M649314		RCH-12-09	
27	M649315		RCH-12-09	
28	M649316		RCH-12-09	
29	M649317		RCH-12-09	
30	M649318		RCH-12-09	

Batch: RCH-12-09

Area: RC

ID Colour: Blue

Weight: kg / lbs

Bag #	From (sample #)	To (sample #)	Total # samples	ID #
1	M649289	M649291	3	20074
2	M649292	M649294	3	20075
3	M649295	M649297	3	20076
4	M649298	M649300	3	20077
5	M649301	M649304	4	20078
6	M649305	M649307	3	20079
7	M649308	M649310	3	20080
8	M649311	M649313	3	20081
9	M649314	M649316	3	20082
10	M649317	M649320	4	20083
11	M649321	M649323	3	20084
12	M649324	M649326	3	20085
13	M649327	M649328	2	20086

SAMPLE SHIPMENT LOG

RC Drilling Log

Project: Vivi RC Drilling: Midnight Sun

Property : Vivi

Zone: Vivi

Northing: 6,579,012.00

Dip: -45

Drilling Dates: July 19th

Comments:

Easting: 451,011.00

Diameter: 3"

to July 19th

Azimuth: 270.00

Depth: 200

Hole: RCH-12-10

Logger Name: L. Flavelle/ N. Phillips

Date: July 20th

[illegible]

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	PY	Mg	As	Gn	Cp	Sp	
65	70					UB	fg	MD LT	BL YW	1	3			3-4	5%						20% quartz, 50% of which is stained yellow, rest is
70	75					UB	fg	MD LT	BL YW	1	3			4	0.52%						50% quartz, 50% of which is yellow, 50% trace pyrite
75	80					UB	fg	MD	BL YW	0-1	3			4	0.53%						10% quartz, some yellow, some light yellow
80	85					UB	fg	MD	GN OR	1-22-3				3-4	1	5%					10% quartz hosting trace pyrite, talc is more green,
85	90					UB	fg	MD	GN OR	1-22-3				3-4	1	5%					10% quartz hosting trace pyrite
90	95					UB	fg	MD	BL GN	0	3			3-4	1	0%					5% quartz hosting trace sulfide, talc is green
95	100					UB	fg	MD	GN OR	1	3			3	0.5	5%					10% quartz hosting trace fine-grained sulfide
100	105					UB	fg	MD	BL GN	0	3			3-4	0	-15%					10% quartz, mostly white, some chips yellow
105	110					UB	fg	MD MD	BL GN	0	3			3	0	5%					<5% quartz
110	115					UB	fg	MD MD	BL GN	0	3			3-4	0	5%					<5% quartz
115	120					UB	fg	MD	BL-GN	0	2-3			3	0.1	0%					5% quartz vein, most stained yellow
120	125					UB	fg	MD	BL-GN	0	1-2			3-4		15%					5% quartz vein, light green talc (chlorite)
125	130					UB	fg	MD	BL-GN	0	1			3	1	-15%					20% white-yellow quartz vein hosting trace pyrite

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
130	135					UB	fg	LT	GN-W	0-10-1				4	0.1	10%					5-10% quartz vein hosting pyrite, some coarse-
135	140					UB	fg	LT	WH-G	0 2				4	5						20% quartz vein, some talc is light green
140	145					UB	fg	LT MD	YW GY	0-13				3	.5	10-15					15% quartz vein, light yellow
145	150					UB	fg	DK LT	GY GN	0-11-2				2	.5	15					5% yellow quartz vein
150	155					UB	fg	MD	BL-GY	0 1				4	15						2% quartz vein
155	160					UB	fg	MD LT	BL GN	0 1-2				4	.5	15					5% yellow quartz vein
160	165					UB	fg	MD	GY-GN	0 1				3-4	.5	5-20					2-3% quartz vein
165	170					UB	fg	LT MD	GN-YW	0-11-2				3	.5	0-15					5-10% stained yellow quartz vein hosting trace
170	175					UB	fg	LT MD	W-OR GY	2 2-3				2	.5	5-10					20% quartz vein, mostly yellow, hematite staining
175	180					UB	fg	LT MD	W-OR GY	2 2-3				1	0	<5					15% quartz vein, hematite associated with
180	185					UB	fg	MD LT	GY OR	1 3				1	.1	5-10					5% quartz vein, light yellow
185	190					UB	fg	MD	GY-OR	2-33-4				2	.5	15					5-10% quartz vein, 50% of which is light yellow,
190	195					UB	fg	MD	OR-GY	3 3-4				2	.1	3					<5% quartz vein

RC Drilling Log

[illegible]

RC Sample Log

IVI RCH-12-10

Date: July 19th

[illegible]

	Sample Number	QA-QC Sample Type	Hole Number	Sample Wt. (kg)
1	M649329		RCH-12-10	
2	M649330		RCH-12-10	
3	M649331		RCH-12-10	
4	M649332		RCH-12-10	
5	M649333	BLANK	RCH-12-10	
6	M649334		RCH-12-10	
7	M649335		RCH-12-10	
8	M649336		RCH-12-10	
9	M649337		RCH-12-10	
10	M649338		RCH-12-10	
11	M649339		RCH-12-10	
12	M649340		RCH-12-10	
13	M649341	ML-2 Standard	RCH-12-10	
14	M649342		RCH-12-10	
15	M649343		RCH-12-10	
16	M649344		RCH-12-10	
17	M649345		RCH-12-10	
18	M649346		RCH-12-10	
19	M649347		RCH-12-10	
20	M649348		RCH-12-10	
21	M649349		RCH-12-10	
22	M649350		RCH-12-10	
23	M649351		RCH-12-10	
24	M649352	BLANK	RCH-12-10	
25	M649353		RCH-12-10	
26	M649354		RCH-12-10	
27	M649355		RCH-12-10	
28	M649356		RCH-12-10	
29	M649357		RCH-12-10	
30	M649358		RCH-12-10	

Batch: RCH-12-10

Area: RC

ID Colour: Orange

Weight: kg / lbs

Bag #	From (sample #)	To (sample #)	Total # samples	ID #
1	M649329	M649331	3	20088
2	M649332	M649334	3	20089
3	M649335	M649337	3	20090
4	M649338	M649341	4	20091
5	M649342	M649344	3	20092
6	M649345	M649347	3	20093
7	M649348	M649350	3	20094
8	M649351	M649353	3	20095
9	M649354	M649356	3	20096
10	M649357	M649359	3	20097
11	M649360	M649363	4	20098
12	M649364	M649366	3	20099
13	M649367	M649369	3	20100

RC Drilling Log

Project: Vivi RC Drilling: Midnight Sun

Property : Vivi

Zone: Vivi

Northing: 6,759,000.00

Dip: -45

Drilling Dates: July 19th

Comments:

Easting: 451,098.00

Diameter: 3"

to July 19th

Azimuth: 270.00

Depth: 200

Hole: RCH-12-11

Logger Name: L. Flavelle/N. Phillips

Date: July 20th

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
15	20					UB	fg	LT LT	BL GN	0-1	3			3	5-10						10% quartz.
20	25					UB	fg	LT LT	BL OR	1	3			3	<1	10					10% quartz. Trace pyrite in the ultrabasic, proximal
25	30					UB	fg	MD	BL	1	3			3	10						5% quartz.
30	35					UB	fg	MD MD	BL GN	0-1	2			3	10						5% quartz.
35	40					UB	fg	MD MD	BL GN	1	2			3	5-10						3% quartz.
40	45					UB	fg	MD	BL	0	2			3-4	<10-15						Trace pyrite associated with magnetite in
45	50					UB	fg	MD MD	BL GN	1	3			3-4	<10-15						Talc is green (increasing chlorite content).
50	55					UB	fg	MD	BL	0-1	2			4	<10-15						Quartz is 5-10%. Trace pyrite and magnetite close
55	60					UB	fg	LT-MD	BL	0	2			4	1	10					10% quartz. Fine-grained sulphide with the quartz.
60	65					UB	fg	MD MD	BL OR	1	2			3-4	<1	5					Trace, very fine-grained, yellow, fairly anhedral

RC Drilling Log

[illegible]

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
130	135					UB	fg	MD	GN	1	2			2-3	1	10					green is more prominent due to trace chlorite
								MD	GY												
135	140					UB	fg	MD	GN	1	2			2-3	1	10					green is more prominent due to trace chlorite
								MD	GY												
140	145					UB	fg	LT-M	BL	2	2			2-3							limonite staining in quartz veins and within
									GN												
145	150					UB	fg	LT-M	BL	0-11	2			3-4	.5	10					5% quartz, mainly yellow, hosting trace
									GN												
150	155					UB	fg	LT-M	BL	0	1-2			4	.5	10					5% quartz vein hosting trace disseminated pyrite
									GN												
155	160					UB	fg	MD	OR	3	1-2			1-2	.5	5					30% yellow, oxidized quartz veins, disseminated
								MD	BL-GN												
160	165					UB	fg	LT	YW	2-3	3			1	.5	10					trace disseminated pyrite, some black stringers of
								MD	GY-GN												
165	170					UB	fg	MD	GN	2	3			1-2	.5	5					5% quartz with limonite staining on fractures
								LT	OR												
170	175					UB	fg	LT	YW	3	2			1-2	.5	5					30% quartz, yellow to white, trace pyrite
								MD	GY-GN												
175	180					UB	fg	LT-M	GN	2	1-2			3	1	5-10					30% yellow quartz with disseminated pyrite
								LT-M	YW												
180	185					UB	fg	MD	GY-GN	1-2	2			3	1-2	5-10					15% yellow quartz with 1-2% sulfide
								LT	YW												
185	190					UB	fg	MD	GN	1-3				2		5					1 large chip of carbonate vein (mainly carbonate)
								LT	OR												
190	195					UB	fg	MD	GY	0-1	1-2			3	.5	5					5% quartz

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
								MD	GN												
195	200				UB	fg		MD	GY	2	2-3			3-4	1	5-10					10% quartz

MD GN

MD GN

EOH @ 200ft, 61.00m

RC Sample Log

IVI RCH-12-11

Date: July 19th

[illegible]

	Sample Number	QA-QC Sample Type	Hole Number	Sample Wt. (kg)
1	M649370		RCH-12-11	
2	M649371		RCH-12-11	
3	M649372		RCH-12-11	
4	M649373		RCH-12-11	
5	M649374		RCH-12-11	
6	M649375		RCH-12-11	
7	M649376	ML-2 Standard	RCH-12-11	
8	M649377		RCH-12-11	
9	M649378		RCH-12-11	
10	M649379		RCH-12-11	
11	M649380		RCH-12-11	
12	M649381		RCH-12-11	
13	M649382		RCH-12-11	
14	M649383		RCH-12-11	
15	M649384	BLANK	RCH-12-11	
16	M649385		RCH-12-11	
17	M649386		RCH-12-11	
18	M649387		RCH-12-11	
19	M649388		RCH-12-11	
20	M649389		RCH-12-11	
21	M649390		RCH-12-11	
22	M649391		RCH-12-11	
23	M649392		RCH-12-11	
24	M649393	BLANK	RCH-12-11	
25	M649394		RCH-12-11	
26	M649395		RCH-12-11	
27	M649396		RCH-12-11	
28	M649397		RCH-12-11	
29	M649398		RCH-12-11	
30	M649399		RCH-12-11	

Batch: RCH-12-11

Area: RC

ID Colour: Green

Weight: kg / lbs

Bag #	From (sample #)	To (sample #)	Total # samples	ID #
1	M649370	M649372	3	20413
2	M649373	M649376	4	20401
3	M649377	M649379	3	20402
4	M649380	M649382	3	20403
5	M649383	M649385	3	20404
6	M649386	M649388	3	20405
7	M649389	M649391	3	20406
8	M649392	M649394	3	20407
9	M649395	M649397	3	20408
10	M649398	M649400	3	20409
11	M649401	M649404	4	20410
12	M649405	M649407	3	20411
13	M649408	M649410	3	20412

SAMPLE SHIPMENT LOG

RC Drilling Log

Project: Vivi RC Drilling: Midnight Sun

Property : Vivi

Zone: Vivi

Northing: 6,758,997.00

Dip: -45

Drilling Dates: July 20th

Comments: 45-50

Easting: 451,202.00

Diameter: 3"

to July 20th

Azimuth: 270.00

Depth: 200

Hole: RCH-12-12

Logger Name: L. Flavelle/N. Phillips

Date: July 20th

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
15	20					UB	fg	MD MD	BL OR	2-3	3			3	1	<5					5-10% quartz, trace sulfide in ultrabasic and quartz
20	25					UB	fg	MD	BL YW	1	2-3			3-4	1	5					5-10% quartz, fine-grained sulfide disseminated
25	30					UB	fg	MD MD	BL GN	0-1	3			3-4	1	0-15					5% quartz, trace fine-grained sulfide, light green
30	35					UB	fg	MD MD	BL GN	0	2-3			3	0.10-15						5-10% quartz, some yellow, some magnetite
35	40					UB	fg	MD MD	BL GN	0	2-3			3	1	0-15					5-10% quartz hosting fine grained pyrite
40	45					UB	fg	MD MD	BL GN	0	3			3-4	1	0-15					10% quartz hosting trace fine-grained sulfide
45	50					UB	fg	MD MD	BL OR	0-12-3				3-4	1	10					disseminated pyrite, some light green talc
50	55					UB	fg	MD MD	BL OR	2	3			3	<1	10					low recovery: 10% quartz, trace pyrite throughout
55	60					UB	fg	MD MD	BL OR	1-2	3			3-4	1	5-10					10% quartz, disseminated fine-grained pyrite
60	65					UB	fg	MD	BL YW	0	2			3-4	1	15					10% quartz, some yellow, hosting disseminated

RC Drilling Log

[illegible]

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
130	135					UB	fg	LT MD	BL GY	0-1				4	<1	15					trace pyrite associated with magnetite
135	140					UB	fg	LT MD	BL OR	1-2	2-3			3	1	15					5% quartz, ranges from light yellow to white to
140	145					UB	fg	LT MD	BL OR	2	2-3			3	1	10					5% quartz vein, pyrite associated with magnetite,
145	150					UB	fg	LT MD	BL GY	0	0			4	1	0-15					5% light purple quartz vein, sulfide associated with
150	155					UB	fg	LT MD	BL-GN	0-1	1			4	1	0-15					5% quartz vein, yellow and light purple, trace
155	160					UB	fg	MD LT	GY YW	1-2	2-3			3	1	10					10% quartz, 50% of white is yellow, trace
160	165					UB	fg	MD MD	GY GN	0	3			2	1	10					trace quartz, trace disseminated pyrite
165	170					UB	fg	LT MD	GN OR	2	3			3	1	10					5-10% yellow, oxidized quartz veins, magnetite
170	175					UB	fg	MD MD	GY GN	0-1	2-3			2	1	15					5-10% yellow quartz hosting trace disseminated
175	180					UB	fg	MD LT	OR GN	2-3	3			3	1	10					
180	185					UB	fg	LT MD	GN OR	2-3	3-4			3	5	2					trace disseminated pyrite, trace VG in the yellow
185	190					UB	fg	MD MD	GN IR	2-3	3-4			2	1	3					5% quartz vein, trace disseminated pyrite,
190	195					UB	fg	LT	GN	2-3				3	1	10					5% quartz vein, trace disseminated pyrite

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
								MD	GY												
195	200				UB	fg	LT	BL-GN	0-1	4	1	15									5% quartz vein

GY

EOH @ 200ft, 61.00m

RC Sample Log

IVI RCH-12-12

Date: July 20th

[illegible]

	Sample Number	QA-QC Sample Type	Hole Number	Sample Wt. (kg)
1	M649411		RCH-12-12	
2	M649412		RCH-12-12	
3	M649413		RCH-12-12	
4	M649414		RCH-12-12	
5	M649415		RCH-12-12	
6	M649416	BLANK	RCH-12-12	
7	M649417		RCH-12-12	
8	M649418		RCH-12-12	
9	M649419		RCH-12-12	
10	M649420		RCH-12-12	
11	M649421		RCH-12-12	
12	M649422		RCH-12-12	
13	M649423		RCH-12-12	
14	M649424	BLANK	RCH-12-12	
15	M649425		RCH-12-12	
16	M649426		RCH-12-12	
17	M649427		RCH-12-12	
18	M649428		RCH-12-12	
19	M649429		RCH-12-12	
20	M649430		RCH-12-12	
21	M649431	CDN-ME-15	RCH-12-12	
22	M649432		RCH-12-12	
23	M649433		RCH-12-12	
24	M649434		RCH-12-12	
25	M649435		RCH-12-12	
26	M649436		RCH-12-12	
27	M649437		RCH-12-12	
28	M649438		RCH-12-12	
29	M649439		RCH-12-12	
30	M649440	ML-2 Standard	RCH-12-12	

Batch: RCH-12-12

Area: RC

ID Colour: Pink

Weight: kg / lbs

Bag #	From (sample #)	To (sample #)	Total # samples	ID #
1	M649411	M649413	3	20414
2	M649414	M649416	3	20415
3	M649417	M649419	3	20416
4	M649420	M649422	3	20417
5	M649423	M649425	3	20418
6	M649426	M649428	3	20419
7	M649429	M649432	4	20420
8	M649433	M649435	3	20421
9	M649436	M649438	3	20422
10	M649439	M649442	4	20423
11	M649443	M649445	3	20424
12	M649446	M649448	3	20425
13	M649449	M649451	3	20426

SAMPLE SHIPMENT LOG

RC Drilling Log

Project: Vivi RC Drilling: Midnight Sun

Property : Vivi

Zone: Vivi

Northing: 6,758,997.00

Dip: -45

Drilling Dates: July 20th

Comments:

Easting: 451,295.00

Diameter: 3"

to July 20th

Azimuth: 270.00

Depth: 200 feet

Hole: RCH-12-13

Logger Name: L. Flavelle/N. Phillips

Date: July 20th

[illegible]

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	PY	Mg	As	Gn	Cp	Sp	
65	70					UB	fg	MD MD	OR GY-BL	0-12-3				3	3						10% quartz
70	75					UB	fg	LT LT	BL YW	0 1-2				4	1	<1					50% quartz, mostly yellow, hosting trace sulfide
75	80					UB	fg	MD YW	BL YW	1 3				3	1	0					25% yellow quartz with trace fine-grained sulfide
80	85					UB	fg	MD LT	OR BL	0-12-3				3	<1	0					15-20% vein quartz hosting trace sulfide, slight
85	90					UB	fg	DK LT	BL OR	2 3				2-3	<1	3					5-10% quartz hosting trace sulfide in more yellow
90	95					UB	fg	LT-MD LT-MD	BL OR	1 3				3	1	1					5-10% quartz, variable in colour, pyrite is
95	100					UB	fg	LT MD	OR BL	1 1-2				3	1	1-2					15% quartz with trace sulfide in more yellow
100	105					UB	fg	MD MD	BL-GN YW	1 3				3-4	3						5% quartz
105	110					UB	fg	MD LT	BL-GN YW	0-12-3				3-4	.5	2					20% quartz hosting finely disseminated pyrite in
110	115					UB	fg	MD LT	BL-GN YW	0-12-3				3-4	2						15% quartz
115	120					UB	fg	MD	GY-BL	1-2 3				2	.5	1					5% yellow quartz hosting trace disseminated pyrite
120	125					UB	fg	MD LT	BL OR	2 3				2	1-2	5					5-10% yellow quartz, hematite stringers
125	130					UB	fg	LT MD	YW GY	2-3				2	.5	2					15% quartz, mostly yellow, some white, hosting

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
130	135					UB	fg	MD	BL-GY	1-2	3			1	.5	5					5% quartz, magnetite stringers throughout
135	140					UB	fg	LT	YW-B	0	3			3	.5	2					5-10% quartz, trace disseminated pyrite, talc is
140	145					UB	fg	LT-M	BL-GY	1-2	3			3	.5	3					15% quartz vein, light yellow to white, trace
145	150					UB	fg	MD	BL-GY	0-12	3			3-4	1-2	5					3% quartz vein
150	155					UB	fg	MD	BL-GY	0-1	1			4	1	10					<5% quartz vein
155	160					UB	fg	MD	BL-GY	0-1	1			4	1	0-15					<5% quartz vein
160	165					UB	fg	MD	BL-GN	0-10	1			3-4	.5	10					5% quartz vein, trace disseminated pyrite
165	170					UB	fg	MD	BL-GN	0-10	1			3-4	.5	0-15					5% quartz vein, trace disseminated pyrite, slight
170	175					UB	fg	LT	BL-GN	2	2			3	.1	10					30% vein quartz, mostly yellow, netted magnetite
175	180					UB	fg	LT	BL-GN	2	3			2-3	.5	5					5% quartz vein, light blue talc
180	185					UB	fg	MD	GY-GN	1-23	4			2	.5	10					10-15% quartz vein, pyrite associated with
185	190					UB	fg	MD	OR	3	3-4			1	.5	10-15					5% quartz vein, magnetite stringers
190	195					UB	fg	MD	GY	1	2			3	.1	10-15					5-10% quartz, trace disseminated pyrite

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
								MD	BL												
195	200					UB	fg	MD	OR	2-3		2	.5	15							5% quartz vein, trace sulfide present

MD GY

EOH @ 200ft, 61.00m

RC Sample Log

IVI RCH-12-13

Date: July 20th

[illegible]

	Sample Number	QA-QC Sample Type	Hole Number	Sample Wt. (kg)
1	M649452		RCH-12-13	
2	M649453		RCH-12-13	
3	M649454		RCH-12-13	
4	M649455		RCH-12-13	
5	M649456		RCH-12-13	
6	M649457		RCH-12-13	
7	M649458		RCH-12-13	
8	M649459		RCH-12-13	
9	M649460	ML-2 Standard	RCH-12-13	
10	M649461		RCH-12-13	
11	M649462		RCH-12-13	
12	M649463		RCH-12-13	
13	M649464		RCH-12-13	
14	M649465		RCH-12-13	
15	M649466		RCH-12-13	
16	M649467		RCH-12-13	
17	M649468	CDN-ME-15	RCH-12-13	
18	M649469		RCH-12-13	
19	M649470		RCH-12-13	
20	M649471		RCH-12-13	
21	M649472		RCH-12-13	
22	M649473		RCH-12-13	
23	M649474		RCH-12-13	
24	M649475		RCH-12-13	
25	M649476		RCH-12-13	
26	M649477		RCH-12-13	
27	M649478		RCH-12-13	
28	M649479		RCH-12-13	
29	M649480	BLANK	RCH-12-13	
30	M649481		RCH-12-13	

Batch: RCH-12-13

Area: RC

ID Colour: No Colour

Weight: kg / lbs

Bag #	From (sample #)	To (sample #)	Total # samples	ID #
1	M649452	M649454	3	20427
2	M649455	M649457	3	20428
3	M649458	M649461	4	20429
4	M649462	M649464	3	20430
5	M649465	M649468	4	20431
6	M649469	M649471	3	20432
7	M649472	M649474	3	20433
8	M649475	M649477	3	20434
9	M649478	M649480	3	20435
10	M649481	M649483	3	20436
11	M649484	M649486	3	20437
12	M649487	M649489	3	20438
13	M649490	M649492	3	20439

SAMPLE SHIPMENT LOG

RC Drilling Log

Project: Vivi RC Drilling: Midnight Sun

Property : Vivi

Zone: Vivi

Northing: 6,758,998.00

Dip: -45

Drilling Dates: July 20th

Comments:

Easting: 451,347.00

Diameter: 3"

to July 20th

Azimuth: 270.00

Depth: 200 feet

Hole: RCH-12-14

Logger Name: L. Flavelle/N. Phillips

Date: July 21st

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phylic	Talc	Py	Mg	As	Gn	Cp	Sp	
15	20					UB	fg	MD	OR	3-4	3		1-2		10						5% dark green colour
20	25					UB	fg	MD LT	OR GN	3	3-4		2		15						2% bull quartz
25	30					UB	fg	MD	OR	3-4	3		2		5						
30	35					UB	fg	LT LT	GY 3L-GN	1	3		2		10						5-10% quartz vein, mostly yellow
35	40					UB	fg	LT LT	OR 3Y-GN	2	3		2-3		1	0-15					5% white quartz vein hosting trace sulfide
40	45					UB	fg	LT LT	OR GY	2-3	3-4		1		1	10					magnetite stringers, trace disseminated pyrite
45	50					UB	fg	MD	OR	3	3		1		1	5-10					5% translucent quartz vein, fine-grained sulfide
50	55					UB	fg	DK GN-OR	GY	1	1		0		1						trace disseminated sulfide
55	60					UB	fg	LT LT	GY GN-OR	2	3		2		1	5					Trace disseminated sulphide.
60	65					UB	fg	DK	GY	1	3		1		1	10					Disseminated pyrite.

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
65	70					UB	fg	DK	GY-GN	2-3	2			0	10						60% quartz-carbonate veins.
70	75					UB	fg	MD	OR-GY	1	3-4			2	1	10					5-10% quartz veins, magnetic stringers, trace
75	80					UB	fg	LT-MD	BL-GY	0-1	3			2	10						
80	85					UB	fg	MD	OR	3-4	2-3			3	5						Very green interval due to chlorite. 5% quartz
85	90					UB	fg	MD	GY	1	2-3			2	10-15						5% quartz veins.
90	95					UB	fg	MD	GY	1	3			2	10-15						5-10% quartz veins. Talc is light blue to green.
95	100					UB	fg	MD	GY	0	1-2			3	15						5% quartz veins. 5% dark green serpentine.
100	105					UB	fg	MD	GY	0	1-2			2	1	10					5% quartz veins, trace disseminated sulphide and
105	110					UB	fg	MD	GY	1	3			2-3	10						
110	115					UB	fg	MD	GY	2	2-3			2-3	5-10						5-10% quartz.
115	120					UB	fg	MD	BL	1	2-3			2	0.5	10					10% quartz veining. Fine-grained sulphide in
120	125					UB	fg	MD	BL	0-1	1-2			2	10						10% quartz veins.
125	130					UB	fg	LT-MD	BL-OR	1	2			2-3	1	10					<5% grey quartz veins hosting fine grained

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
130	135					UB	fg	MD	BL	0	2			3		5-10					5% quartz veins.
135	140					UB	fg	MD	GY	2	3			3		0.15					Hematite stringers. 10% quartz veins with trace
140	145					UB	fg	MD	GY-O	1	2			3		5					15% quartz veins. Low recovery.
145	150					UB	fg	MD	GY-OR	1	3			2-3		10					5% quartz veins.
150	155					UB	fg	MD	GY-OR	1	3			2-3		10					5% quartz veins (same as previous).
155	160					UB	fg	MD	BL	1	3			3		5					15% quartz.
160	165					UB	fg	MD	BL-GY	0-1	2			3		5					5% quartz veins.
165	170					UB	fg	MD	BL-GY	0-1	2			3		5					5% quartz veins (same as previous).
170	175					UB	fg	MD	BL-GY	0	3			2		5					5% quartz veins.
175	180					UB	fg	MD	BL	1-2	3			3		5					15% quartz veins.
180	185					UB	fg	MD	BL-GY	1	3			3		0.5	5				15-20% quartz veins. Trace disseminated
185	190					UB	fg	MD	BL-GY	0-1	3			3		5					25% quartz veins.
190	195					UB	fg	MD	BL-GY	0-1	3			3		5					15% quartz veining.

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
195	200				UB	fg	MD	BL-G\0	4		3-4			5-10							10% quartz veining.

EOH @ 200ft, 61.00m

RC Sample Log

IVI RCH-12-14

Date: July 21st

[illegible]

	Sample Number	QA-QC Sample Type	Hole Number	Sample Wt. (kg)
1	M649493		RCH-12-14	
2	M649494		RCH-12-14	
3	M649495		RCH-12-14	
4	M649496		RCH-12-14	
5	M649497		RCH-12-14	
6	M649498		RCH-12-14	
7	M649499		RCH-12-14	
8	M649500		RCH-12-14	
9	M649501		RCH-12-14	
10	M649502		RCH-12-14	
11	M649503	BLANK	RCH-12-14	
12	M649504		RCH-12-14	
13	M649505		RCH-12-14	
14	M649506		RCH-12-14	
15	M649507		RCH-12-14	
16	M649508		RCH-12-14	
17	M649509		RCH-12-14	
18	M649510	CDN-ME-15	RCH-12-14	
19	M649511		RCH-12-14	
20	M649512		RCH-12-14	
21	M649513		RCH-12-14	
22	M649514		RCH-12-14	
23	M649515		RCH-12-14	
24	M649516		RCH-12-14	
25	M649517		RCH-12-14	
26	M649518		RCH-12-14	
27	M649519		RCH-12-14	
28	M649520	BLANK	RCH-12-14	
29	M649521		RCH-12-14	
30	M649522		RCH-12-14	

Batch: RCH-12-14

Area: RC

ID Colour: Orange

Weight: kg / lbs

Bag #	From (sample #)	To (sample #)	Total # samples	ID #
1	M649493	M649495	3	20440
2	M649496	M649498	3	20441
3	M649499	M649501	3	20442
4	M649502	M649504	3	20443
5	M649505	M649507	3	20444
6	M649508	M649511	4	20445
7	M649512	M649514	3	20446
8	M649515	M649517	3	20447
9	M649518	M649520	3	20448
10	M649521	M649523	3	20449
11	M649524	M649526	3	20450
12	M649527	M649530	4	20451
13	M649531	M649533	3	20452

SAMPLE SHIPMENT LOG

RC Drilling Log

Project RC Drilling Property Vivi Zone

Northing: 6,759,000.00 Dip: -45 Drilling Dates: July 21 Comments: Please note propylitic alteration has been changed to ch
 Easting: 451,347.00 Diameter: 3" to July 21
 Azimuth: 270.00 Depth: 200

Hole RCH-12-15 Logger Name N. Phillips/L. Flavelle Date July 21

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Chlorite	Phyllic	Talc	Py	Mag	As	Gn	Cp	Sp	
20	25				UM	FG	DK	GY-GN		1	-4	2		0	15						5% white quartz vein, magnetite stringers
25	30				UM	FG	MD	DR-GY		3	3	3		0	10						
30	35				UM	FG	MD	OR		3	3	3		0	2						10% quartz vein
35	40				UM	FG	DK	GY-GN		0	1	3		0	.1	15					3% quartz vein with associated pyrite
40	45				UM	FG	DK	GY-GN		0	0-1	2		0	.1	5					trace disseminated sulfide
45	50				UM	FG	DK	GY-GN		0-10-12	3			1-2	.1	5					5% white quartz, trace pyrite
50	55				UM	FG	MD	GY-GN		0-1	1	3		2	10						
55	60				UM	FG	LT	GY-GN		0	3	3-4		1	3						30% quartz-carbonate veining
60	65				UM	FG	LT	GN		0	2-3	4		0	0						80% light green hard mineral (quartz?), carbonate
65	70				UM	FG	DK	GY-GN		0	0-1	2		0	15						5% quartz vein, dark red hematite veinlet
70	75				UM	FG	MD	GY-GN		0	1	3		1-2	10-15						5% quartz vein
75	80				UM	FG	MD	GN		0-10-13	4			0	2						25% quartz-carbonate veining
80	85				UM	FG	DK	GY		0-11-2	3			2	.2	10					trace disseminated sulfide
85	90				UM	FG	DK	GY		0	1	3		0	15						5% quartz vein
90	95				UM	FG	DK	GY-GN		1	0-1	3		0	.5	5					5% quartz vein, mainly yellow

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Chlorite	Phyllic	Talc	Py	Mag	As	Gn	Cp	Sp	
95	100					UM	FG	LT	GY-GN	0	3	2-3		0	.5	5					low recovery: 60% quartz-carbonate veinlets, 5%
100	105					UM	FG	MD	GY-GN	0-1	0	3		0		1					low recovery: 15% quartz vein
105	110					FLR	FG	MD	OR	3-43	41	2			.5	5					low recovery: 5% quartz vein, dark red hematite
110	115					FLR	FG	MD	OR	3-4	3	1-2		0		5					low recovery: 20% quartz vein
115	120					FLR	FG	MD	DR-GN	3	2-3	2		0		10					low recovery: 10% quartz vein
120	125					FLR	FG	MD	BL-OR	3	2	31-3		2		5					5-10% white quartz, few residual pieces of UM,
125	130					FLR	FG	MD	DR-GY	2-3	2	2		1		3					5% quartz
130	135					FLR	FG	MD	DR-GY	2	2	30-1		2		5					5% white-orange quartz vein
135	140					UB	FG	MD	BL-GY	0-1	2	2		3		10					10% quartz vein (grey, white, yellow), fine-grained
140	145					UB	FG	MD	BL-GY	0-11	20	1		1		10					5-10% quartz: 50% white and 50% grey, grey
145	150					UB	FG	LT-MD	BL-GY	0	0-1	2		2-3	1	10					3% grey-white quartz with fine-grained sulfide and
150	155					UB	FG	LT-MD	BL	0	0-1	1		3	1	10					40% grey quartz with netted magnetite and trace
155	160					UB	FG	LT-MD	BL	1	2-3			2	.5	10					25% grey quartz hosting fine-grained sulfide
160	165					UB	FG	LT-MD	BL-OR	1-2	3			3	.5	5-10					10% variably coloured quartz with magnetite and
165	170					UB	FG	LT-MD	BL	0-10	1			3	1	5					25% grey quartz with sulfide stringers
170	175					UB	FG	MD	BL-GN	.5	2	2		2	.5	5					20% grey quartz with netted magnetite and sulfide,
175	180					UB	FG	MD	DBL-GN	.5	2-3	2		2	1	5					light orange banded quartz veins with sulfide, 5%
180	185					UB	FG	MD	BL-GY	1-2	2			3	.5	5-10					10% quartz, 1 chip of grey quartz with magnetite
185	190					UB	FG	MD	BL-GY	0-1	2	2		3	.5	5-10					10% quartz

RC Drilling Log

[illegible]

RC Sample Log

IVI RCH-12-15

Date: July 21, 2012

[illegible]

	Sample Number	QA-QC Sample Type	Hole Number	Sample Wt. (kg)
1	M649534		RCH-12-15	
2	M649535		RCH-12-15	
3	M649536		RCH-12-15	
4	M649537		RCH-12-15	
5	M649538		RCH-12-15	
6	M649539		RCH-12-15	
7	M649540		RCH-12-15	
8	M649541		RCH-12-15	
9	M649542		RCH-12-15	
10	M649543		RCH-12-15	
11	M649544	CDN-ME-15	RCH-12-15	
12	M649545		RCH-12-15	
13	M649546		RCH-12-15	
14	M649547		RCH-12-15	
15	M649548		RCH-12-15	
16	M649549		RCH-12-15	
17	M649550		RCH-12-15	
18	M649551	ML-2	RCH-12-15	
19	M649552		RCH-12-15	
20	M649553		RCH-12-15	
21	M649554		RCH-12-15	
22	M649555		RCH-12-15	
23	M649556		RCH-12-15	
24	M649557		RCH-12-15	
25	M649558		RCH-12-15	
26	M649559		RCH-12-15	
27	M649560	BLANK	RCH-12-15	
28	M649561		RCH-12-15	
29	M649562		RCH-12-15	
30	M649563		RCH-12-15	

31	M649564		RCH-12-15	
32	M649565		RCH-12-15	
33	M649566		RCH-12-15	
34	M649567	BLANK	RCH-12-15	
35	M649568		RCH-12-15	
36	M649569		RCH-12-15	
37	M6495670		RCH-12-15	
38	M6495671		RCH-12-15	
39	M6495672		RCH-12-15	
40	M6495673		RCH-12-15	

Batch: RCH-12-15

Area: RC

ID Colour: Pink

Weight: kg / lbs

Bag #	From (sample #)	To (sample #)	Total # samples	ID #
1	M649534	M649536	3	20453
2	M649537	M649539	3	20454
3	M649540	M649542	3	20455
4	M649543	M649546	4	20456
5	M649547	M649549	3	20457
6	M649550	M649553	4	20458
7	M649554	M649556	3	20459
8	M649557	M649559	3	20460
9	M649560	M649562	3	20461
10	M649563	M649565	3	20462
11	M649566	M649568	3	20463
12	M649569	M649571	3	20464
13	M649572	M649573	2	20465

SAMPLE SHIPMENT LOG

RC Drilling Log

Project RC Drilling Property Vivi Zone

Northing: 6,758,989.00 Dip: -45 Drilling Dates: July 21 Comments: 25-40' may not be bedrock.
 Easting: 451,461.00 Diameter: 3" to July 21
 Azimuth: 270.00 Depth: 200'

Hole RCH-12-16 Logger Name N. Phillips/L. Flavelle Date July 22

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mag	As	Gn	Cp	Sp	
25	30					UM	FG	DK	GY-GN	2	2			0	5						5-10% quartz vein, netted magnetite stringers with
30	35					UM	FG	DK	GY-GN	1	1-2			0	5						5-10% quartz vein, oxidized, magnetite stringers,
35	40					UM	FG	DK	GY-GN	1	1-2			0	5-10						5-10% quartz vein, oxidized, magnetite stringers,
40	45					FLR?	UM	FG	MD	OR	3-4	3		0	5						low recovery: 10% quartz vein
45	50					FLR?	UM	FG	MD	OR	3-4	3		0	5						20% quartz vein, magnetite stringers
50	55					FLR?	UM	FG	MD	OR	3-4	3		0	5-10						20% quartz vein, magnetite stringers
55	60					FLR?	UM	FG	MD	OR	4	3-4		0	3						20% white, oxidized quartz vein with magnetite
60	65					FLR?	UM	FG	MD	OR	4	2		0	3						70% quartz vein
65	70					FLR?	UM	FG	MD	OR	3	2		0	.5	5					very poor recovery: 70% quartz vein with magnetite
70	75					FLR?	UM	FG	MD	OR	4	2-3		0	5						60% quartz vein
75	80					FLR?	UM	FG	MD	OR	2-3	2		0	.5	5					40% quartz vein
80	85					UB	FG	MD	OR			3		2	10						30% quartz vein, hematite stringers through talc
85	90					UB	FG	MD	GY			2		1	10						15% quartz vein
90	95					UB	FG	MD	GY	1	2			2-3	.5	10					5% quartz vein
95	100					UB	FG	MD-LT	GY-BL	0-1	1			3-4	.5	5					5% quartz vein hosting trace sulfide

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mag	As	Gn	Cp	Sp	
100	105					UB	FG	MD	GY	0-1	1			4	.5	5					<5% quartz vein hosting trace disseminated sulfide
								LT	BL												
105	110					UB	FG	MD	OR	2	3			1-2	.1	5					10% quartz vein, trace pyrite
								MD	GY												
110	115					UB	FG	MD	OR	2	3			1-2	.1	5					5% quartz vein, similar to 105-110'
								MD	GY												
115	120					UB	FG	MD	GY	0-1	2			3	.1	10					5% quartz vein hosting trace pyrite
120	125					UB	FG	MD	OR	3	3			1-2	.5	5-10					15% quartz vein hosting fine-grained pyrite
125	130					UB	FG	MD	OR	1	3			3	.5	5					<5% quartz vein hosting trace fine-grained sulfide
								MD	GN												
130	135					UB	FG	MD	BL	0-12	3			3-4	.1	5					10% quartz vein hosting trace pyrite
135	140					UB	FG	MD	BL	0	2			3-4	.5	10					10% quartz vein hosting trace fine-grained sulfide
140	145					UB	FG	MD	BL	0	2			3-4	.5	10					10-15% quartz vein
145	150					UB	FG	MD	BL	0-1	1			4	.5	10					5-10% quartz vein
150	155					UB	FG	MD	BL	0	1			4	.5	10					5-10% quartz vein, grey quartz hosting fine-grained
155	160					UB	FG	MD	BL	0-10	1			4	1	10					25-30% partially oxidized quartz vein, grey quartz
								MD	GN												
160	165					UB	FG	MD	BL-GN	1-21	2			4	1	10					30% quartz
								MD	OR												
165	170					UB	FG	MD	BL	1	2			3	.5	5					20% quartz hosting fine-grained sulfide
								MD	GN												
170	175					UB	FG	MD	VH-OR	1-22	3			2-3	.5	3					30% quartz (all colours) hosting trace pyrite
								MD	GY												
175	180					UB	FG	MD	BL	2	2-3			3	.5	5					15% quartz, grey quartz hosting magnetite and
								MD	OR												
180	185					UB	FG	MD-DI	OR	3-4	3			3		2					5% quartz
								LT	BL												
185	190					UB	FG	MD-DI	OR	3	3			3		3					5-10% quartz
								LT	BL												
190	195					UB	FG	MD-DI	OR	3-4	3			3		5					5% quartz
								LT	BL												

RC Drilling Log

[illegible]

RC Sample Log

IVI RCH-12-16

Date: July 22, 2012

[illegible]

	Sample Number	QA-QC Sample Type	Hole Number	Sample Wt. (kg)
1	M649574		RCH-12-16	
2	M649575		RCH-12-16	
3	M649576	ML-2 Standard	RCH-12-16	
4	M649577		RCH-12-16	
5	M649578		RCH-12-16	
6	M649579		RCH-12-16	
7	M649580	BLANK	RCH-12-16	
8	M649581		RCH-12-16	
9	M649582		RCH-12-16	
10	M649583		RCH-12-16	
11	M649584		RCH-12-16	
12	M649585	BLANK	RCH-12-16	
13	M649586		RCH-12-16	
14	M649587		RCH-12-16	
15	M649588		RCH-12-16	
16	M649589		RCH-12-16	
17	M649590		RCH-12-16	
18	M649591		RCH-12-16	
19	M649592		RCH-12-16	
20	M649593		RCH-12-16	
21	M649594		RCH-12-16	
22	M649595		RCH-12-16	
23	M649596	CDN-ME-15	RCH-12-16	
24	M649597		RCH-12-16	
25	M649598		RCH-12-16	
26	M649599		RCH-12-16	
27	M649600		RCH-12-16	
28	M649601		RCH-12-16	
29	M649602		RCH-12-16	
30	M649603		RCH-12-16	

31	M649604		RCH-12-16	
32	M649605		RCH-12-16	
33	M649606		RCH-12-16	
34	M649607		RCH-12-16	
35	M649608	BLANK	RCH-12-16	
36	M649609		RCH-12-16	

MUST INCLUDE: 2 STANDARDS, 2 BLANKS, 1 1/4 DUPLICATE, 1 COARSE REJECT DUPLICATE

M649610
M649611
M649612

RCH-12-16
RCH-12-16
RCH-12-16

Batch: RCH-12-16

Area: RC

ID Colour: Green

Weight: kg / lbs

Bag #	From (sample #)	To (sample #)	Total # samples	ID #
1	M649574	M649576	3	20466
2	M649577	M649580	4	20467
3	M649581	M649583	3	20468
4	M649584	M649586	3	20469
5	M649587	M649589	3	20470
6	M649590	M649592	3	20471
7	M649593	M649596	4	20472
8	M649597	M649599	3	20473
9	M649600	M649602	3	20474
10	M649603	M649605	3	20475
11	M649606	M649608	3	20476
12	M649609	M649611	3	20477
13	M649612	M649612	1	20478

SAMPLE SHIPMENT LOG

RC Drilling Log

Project: Vivi RC Drilling: Midnight Sun

Property : _____ Vivi _____

Zone: Vivi

Northing: 6,758,785.00	Dip: -45	Drilling Dates: July 22	Comments: _____
Easting: 451,293.00	Diameter: 3"	to July 22	_____
Azimuth: 270.00	Depth: 200 feet		_____

Hole: RCH-12-17

Logger Name: N. Phillips/L. Flavelle

Date: July 22, 2012

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION	
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp		
15	20					UB	fg	MD LT	OR BL	3	3			2		3						5% quartz vein
20	25					UB	fg	LT-MD	BL	0-1	2			3		.5	5					10% quartz vein, some grey, with magnetite/fine-
25	30					UB	fg	LT-MD	BL	0-1	2			3		5-10						5% quartz vein
30	35					UB	fg	MD LT-MD	BL OR	1-22-3				3		.5	5					5-10% quartz vein, some grey, with magnetite/fine-
35	40					UB	fg	MD MD	BL-GN OR	1	2-3			3		.5	10					<5% quartz vein, some grey, with magnetite/fine-
40	45					UB	fg	MD MD	BL-GN OR	1-22-3				3		3						5% quartz vein
45	50					UB	fg	LT LT-MD	BL-GN OR	1-2	3			3		3						5% quart vein, some grey
50	55					UB	fg	LT-MD LT-MD	BL OR	0-1	2			3		5						<5% quartz vein
55	60					UB	fg	LT-MD MD	BL-GN YW	0-1	2			3		.1	10					5% quartz vein, some grey hosting pyrite
60	65					UB	fg	MD	BL	0	1-2			3-4		5						2% quartz vein

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
65	70					UB	fg	MD	BL	0	1-2			3-4	10						2% quartz vein
70	75					UB	fg	MD LT	BL-GN OR	1	2			3	10						5% quartz vein
75	80					UB	fg	MD MD	BL-GN OR	1	2			3	10						2% quartz vein
80	85					UB	fg	MD	BL	0-11	2			3-4	10						5-10% quartz vein
85	90					UB	fg	MD MD	BL-GN OR	1	2			3-4	5						2% quartz vein
90	95					UB	fg	MD MD	BL OR	1-2	2			3	.5	5					5% quartz vein, some grey, with magnetite/fine-
95	100					UB	fg	MD MD	BL OR-WH	2	2			3	.1	3					30% white-orange quartz vein
100	105					UB	fg	MD	BL-GN	1	2			3-4	5						5% quartz vein
105	110					UB	fg	MD	BL-GN	0	1			4	3						5-10% quartz vein
110	115					UB	fg	MD	BL-GN	0	1-2			4	3						5% quartz vein
115	120					UB	fg	MD MD	BL-GN OR	2	2-3			3	2						5% quartz vein
120	125					UB	fg	LT-MD LT-MD	BL-GN OR	1-2	3			3	2						<5% quartz vein
125	130					UB	fg	LT-M	BL-GN	1-2	2			3-4	2						more green; higher chlorite content? 5-10% quartz

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
130	135					UB	fg	LT-M BL		3	2			3-4	5						10% quartz vein
								MD-L OR													
135	140					UB	fg	MD BL-GN		0-1	2-3			3-4	3						<5% quartz vein, often yellow
140	145					UB	fg	MD BL-GN		1	2-3			3-4	.5	10					5% quartz vein, some grey, with magnetite/fine-
								MD OR													
145	150					UB	fg	MD BL-GN		2	2-3			3-4	.5	5					10% quartz vein, some grey, with magnetite/fine-
								MD OR													
150	155					UB	fg	MD BL		2	2			3-4	5-10						5-10% quartz vein
								LT OR													
155	160					UB	fg	LT-M BL		1	1-2			3-4	10-15						5% quartz vein, minor magnetite stringers
								LT YW													
160	165					UB	fg	MD OR		3	2			3	10						5-10% quartz vein, some magnetite selvages along
								LT BL-GN													
165	170					UB	fg	MD OR		3	2			3	10-15						5% quartz vein
								MD BL-GN													
170	175					UB	fg	LT-M BL		1-2	2			3-4	5-10						5-10% quartz vein
								MD OR													
175	180					UB	fg	LT-M BL		1	2			2-3	10						10% quartz vein
								MD OR													
180	185					UB	fg	LT-M BL		2-3	1			3	.1	5-10					5-10% quartz vein
								MD OR													
185	190					UB	fg	LT-M BL		3	1			3	.5	5-10					5% quartz vein
								MD OR													
190	195					UB	fg	MD BL-GN		3	1			3	.5	5					5-10% quartz vein

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
								MD-L	OR												
195	200				UB	fg		MD	BL-G	3	1	3	.1	5						5-10% quartz vein	

MD-L OR

MD BL-G 3 1 3 .1 5
MD-L OR

5-10% quartz vein

EOH @ 200ft, 61.00m

RC Sample Log

IVI RCH-12-17

Date: July 22, 2012

[illegible]

	Sample Number	QA-QC Sample Type	Hole Number	Sample Wt. (kg)
1	M649613		RCH-12-17	
2	M649614		RCH-12-17	
3	M649615		RCH-12-17	
4	M649616		RCH-12-17	
5	M649617		RCH-12-17	
6	M649618	CDN-ME-15	RCH-12-17	
7	M649619		RCH-12-17	
8	M649620		RCH-12-17	
9	M649621		RCH-12-17	
10	M649622		RCH-12-17	
11	M649623		RCH-12-17	
12	M649624	BLANK	RCH-12-17	
13	M649625		RCH-12-17	
14	M649626		RCH-12-17	
15	M649627		RCH-12-17	
16	M649628		RCH-12-17	
17	M649629		RCH-12-17	
18	M649630		RCH-12-17	
19	M649631		RCH-12-17	
20	M649632		RCH-12-17	
21	M649633		RCH-12-17	
22	M649634	BLANK	RCH-12-17	
23	M649635		RCH-12-17	
24	M649636		RCH-12-17	
25	M649637		RCH-12-17	
26	M649638		RCH-12-17	
27	M649639		RCH-12-17	
28	M649640		RCH-12-17	
29	M649641	ML-2 Standard	RCH-12-17	
30	M649642		RCH-12-17	

Batch: RCH-12-17

Area: RC

ID Colour: No Colour

Weight: kg / lbs

Bag #	From (sample #)	To (sample #)	Total # samples	ID #
1	M649613	M649615	3	20479
2	M649616	M649619	4	20480
3	M649620	M649622	3	20481
4	M649623	M649625	3	20482
5	M649626	M649628	3	20483
6	M649629	M649631	3	20484
7	M649632	M649634	3	20485
8	M649635	M649637	3	20486
9	M649638	M649641	4	20487
10	M649642	M649644	3	20488
11	M649645	M649647	3	20489
12	M649648	M649650	3	20490
13	M649651	M649653	3	20491

SAMPLE SHIPMENT LOG

RC Drilling Log

Project: Vivi RC Drilling: Midnight Sun

Property : _____ Vivi _____

Zone: Vivi

Northing: 6,758,785.00	Dip: -45	Drilling Dates: July 22	Comments: _____
Easting: 451,293.00	Diameter: 3"	to July 22	_____
Azimuth: 270.00	Depth: 200 feet		_____

Hole: RCH-12-18

Logger Name: N. Phillips/L. Flavelle

Date: July 22, 2012

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
15	20					UB	fg	MD	BL	1-2	3			2	.5	5					2% quartz vein, pyrite along fracture planes
20	25					UB	fg	MD	BL	1	2			2-3		5					5% quartz vein, slight oxidation, light orange
25	30					UB	fg	MD	BL	0	0-1			4	.1	10					5% quartz vein, trace pyrite
30	35					UB	fg	MD	BL	0-11	2			3-4		5-10					5% quartz vein
35	40					UB	fg	MD	BL	1	1-2			4	.1	10					5-10% quartz vein, mainly light orange, hosting
40	45					UB	fg	MD LT	BL OR	1-2	2			3	.1	5					5-10% quartz vein, trace pyrite
45	50					UB	fg	MD MD	OR BL	3-4	3			2	.5	5					10% quartz vein
50	55					UB	fg	MD MD	BL OR	2-3	2			3	.1	3					5% quartz vein
55	60					UB	fg	MD	BL-GY	1-2	2			3-4	.1	3					5% quartz vein, trace pyrite
60	65					UB	fg	MD LT	BL OR	1-22	3			3	.5	3					10% quartz vein, trace sulfide, dark red hematite

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	PY	Mg	As	Gn	Cp	Sp	
65	70					UB	fg	LT MD	BL OR	2	2			3-4	.1	2					15% quartz vein
70	75					UB	fg	LT MD	BL OR	1-2	2			3	.1	5					5% quartz vein, mainly yellow
75	80					UB	fg	MD	BL	1	3			3	.1	10					5-10% quartz vein, trace fine-grained pyrite
80	85					UB	fg	MD	BL	0-11	2			3-4		10					5% quartz vein
85	90					UB	fg	MD	BL	0-10	1			4		10					5% quartz vein, light yellow
90	95					UB	fg	MD	BL	0	0-1			4	.5	5-10					10% quartz vein, trace disseminated pyrite
95	100					UB	fg	MD	BL	1	1			4	.5	5					15% quartz vein with magnetite stringers hosting
100	105					UB	fg	LT-MD	BL	1	0-1			4	.1	5					5-10% yellow quartz vein, trace fine-grained pyrite
105	110					UB	fg	LT-MD	BL	0	0-1			4-5	.1	5-10					5% quartz vein, magnetite stringers with fine-
110	115					UB	fg	LT-MD	BL	0	0			5	.5	5					5% white quartz vein, trace fine-grained pyrite
115	120					UB	fg	MD	BL	0	1			5	.1	5-10					5-10% quartz, some grey quartz hosting
120	125					UB	fg	MD	BL	0	1			5	.1	5					10% quartz vein
125	130					UB	fg	MD	BL	0	1			5	.1	3					10% quartz vein, slightly greener in colour, fine-

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
130	135					UB	fg	MD	BL	0	1			5	.1	2					5-10% quartz
135	140					UB	fg	MD	BL	1	2			5	.5	5					10-15% quartz
140	145					UB	fg	MD	BL-GN	1-2	2			4	.5	5					5-10% quartz
								LT	OR												
145	150					UB	fg	LT	BL-GN	1-2	2-3			4	.5	5					25% quartz with magnetite stringers hosting fine-
								MD	OR												
150	155					UB	fg	LT	BL-GN	1-2	2			4	.1	5-10					30% quartz
								MD	OR												
155	160					UB	fg	LT	BL-GN	0-1	1-2			4		5					20% quartz
								LT	OR												
160	165					UB	fg	LT	BL-GN	0	1			4-5	.1	2					20% quartz
165	170					UB	fg	LT	BL-GN	2	3			4		0					50% quartz
									WH												
170	175					UB	fg	LT	BL-GN	2	3			3-4	.1	2					35% quartz
									WH												
175	180					UB	fg	LT-MD	BL-GN	2	2-3			3-4	1	5					30% quartz vein, some grey with magnetite and
180	185					UB	fg	MD	BL-GN	2-3	2			3		5					15-20% quartz vein
								MD	OR												
185	190					UB	fg	MD	BL-GN	2	2			3-4	.5	5					20% quartz with limonite/hematite stringers, talc is
								MD	OR												
190	195					UB	fg	MD	BL-GN	2	1-2			3-4	.1	2					40% quartz

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
								MD	OR												
195	200				UB	fg		MD	BL-G	2	1-2			3-4	.5	5					25% quartz

MD OR

MD OR

EOH @ 200ft, 61.00m

RC Sample Log

IVI RCH-12-18

Date: July 22, 2012

[illegible]

	Sample Number	QA-QC Sample Type	Hole Number	Sample Wt. (kg)
1	M649654		RCH-12-18	
2	M649655		RCH-12-18	
3	M649656		RCH-12-18	
4	M649657		RCH-12-18	
5	M649658	BLANK	RCH-12-18	
6	M649659		RCH-12-18	
7	M649660		RCH-12-18	
8	M649661		RCH-12-18	
9	M649662		RCH-12-18	
10	M649663		RCH-12-18	
11	M649664		RCH-12-18	
12	M649665		RCH-12-18	
13	M649666	CDN-ME-15	RCH-12-18	
14	M649667		RCH-12-18	
15	M649668		RCH-12-18	
16	M649669		RCH-12-18	
17	M649670		RCH-12-18	
18	M649671		RCH-12-18	
19	M649672		RCH-12-18	
20	M649673		RCH-12-18	
21	M649674		RCH-12-18	
22	M649675		RCH-12-18	
23	M649676	ML-2 Standard	RCH-12-18	
24	M649677		RCH-12-18	
25	M649678		RCH-12-18	
26	M649679		RCH-12-18	
27	M649680		RCH-12-18	
28	M649681		RCH-12-18	
29	M649682		RCH-12-18	
30	M649683		RCH-12-18	

Batch: RCH-12-18

Area: RC

ID Colour: Orange

Weight: kg / lbs

Bag #	From (sample #)	To (sample #)	Total # samples	ID #
1	M649654	M649656	3	20492
2	M649657	M649659	3	20493
3	M649660	M649662	3	20494
4	M649663	M649666	4	20495
5	M649667	M649669	3	20496
6	M649670	M649672	3	20497
7	M649673	M649676	4	20498
8	M649677	M649679	3	20499
9	M649680	M649682	3	20500
10	M649683	M649685	3	20501
11	M649686	M649688	3	20502
12	M649689	M649691	3	20503
13	M649692	M649694	3	20504

SAMPLE SHIPMENT LOG

RC Drilling Log

Project: Vivi RC Drilling: Midnight Sun

Property : _____ Vivi _____

Zone: Vivi

Northing: 6,758,788.00	Dip: -45	Drilling Dates: July 22, 2012	Comments: _____
Easting: 451,109.00	Diameter: 3"	to July 22, 2012	_____
Azimuth: 270.00	Depth: 200 feet		_____

Hole: RCH-12-19

Logger Name: N. Phillips/L. Flavelle

Date: July 23, 2012

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
15	20					UB	fg	LT MD	BL OR	2-3	3			3-4	10						larger chips up to 2cm wide
20	25					UB	fg	LT MD	BL-GN OR	3	3			3-4	.1	5					dendritic magnetite stringers in trace grey quartz
25	30					UB	fg	LT	BL-GN	1-2	2-3			3-4	10						<5% quartz vein
30	35					UB	fg	LT	BL-GN	1	2			3-4	10						5% quartz vein
35	40					UB	fg	LT-MD	BL	1	2			3-4	5						15% quartz vein
40	45					UB	fg	LT-MD	BL-GN OR	2	3			3	.1	2					10% quartz vein, trace pyrite in yellow quartz
45	50					UB	fg	LT MD	BL-GN OR	2	3			3	5						5% quartz vein
50	55					UB	fg	LT-MD	BL-GN OR	1-2	2-3			3	3						5% quartz vein more green; higher talc?
55	60					UB	fg	LT	BL-GN	1	2			3-4	5						lowest recovery of box: 5% quartz vein
60	65					UB	fg	LT MD	BL OR	2	2			3-4	3						5% quartz vein

RC Drilling Log

[illegible]

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
130	135					UB	fg	LT	BL-GN	0	1			4	.1	5					5% quartz vein
135	140					UB	fg	LT-M	BL-GN	0	1			4	.1	5					<5% quartz vein
140	145					UB	fg	LT-M	BL	0	1			4	.1	5					20% grey quartz hosting magnetite and pyrite
145	150					UB	fg	LT-M	BL	0	0			4	.1	10					20% quartz vein, trace fine-grained grey sulfide
150	155					UB	fg	LT-M	BL	0	0			4	.5	10					10% quartz vein, fine-grained grey sulfide
155	160					UB	fg	LT-M	BL-GN	0	1			3-4	.1	10					10-15% quartz vein
160	165					UB	fg	MD-DI	BL	0-1	1			3-4	.5	5-10					30% quartz vein
165	170					UB	fg	LT	BL-GN	0-1	1			3-4	.1	5					20% quartz vein
170	175					UB	fg	LT	BL-GY	0-1	1			3-4	.1	5					very low recovery: 10% quartz vein
175	180					UB	fg	LT	WH-BL	0	1			3-4	.1	5-10					low recovery: 5% quartz vein
180	185					UB	fg	LT	WH-BL	0	1			3-4	.1	10					<5% quartz vein
185	190					UB	fg	LT	WH-B	0-1	1-2			3-4	.1	5					5% quartz vein
190	195					UB	fg	LT	WH-B	0	1			3-4	.1	5					5-10% quartz vein

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
195	200				UB	fg	LT	WH-B	0 1	3-4	.5	10									10% quartz vein, some grey hosting

EOH @ 200ft, 61.00m

RC Sample Log

IVI RCH-12-19

Date: July 22, 2012

[illegible]

	Sample Number	QA-QC Sample Type	Hole Number	Sample Wt. (kg)
1	M649695		RCH-12-19	
2	M649696		RCH-12-19	
3	M649697		RCH-12-19	
4	M649698		RCH-12-19	
5	M649699		RCH-12-19	
6	M649700		RCH-12-19	
7	M649701		RCH-12-19	
8	M649702	BLANK	RCH-12-19	
9	M649703		RCH-12-19	
10	M649704		RCH-12-19	
11	M649705		RCH-12-19	
12	M649706		RCH-12-19	
13	M649707		RCH-12-19	
14	M649708		RCH-12-19	
15	M649709		RCH-12-19	
16	M649710		RCH-12-19	
17	M649711		RCH-12-19	
18	M649712		RCH-12-19	
19	M649713	ML-2 Standard	RCH-12-19	
20	M649714		RCH-12-19	
21	M649715		RCH-12-19	
22	M649716		RCH-12-19	
23	M649717		RCH-12-19	
24	M649718		RCH-12-19	
25	M649719		RCH-12-19	
26	M649720		RCH-12-19	
27	M649721	BLANK	RCH-12-19	
28	M649722		RCH-12-19	
29	M649723		RCH-12-19	
30	M649724		RCH-12-19	

[illegible]

Batch: RCH-12-19

Area: RC

ID Colour: Pink

Weight: kg / lbs

Bag #	From (sample #)	To (sample #)	Total # samples	ID #
1	M649695	M649697	3	20505
2	M649698	M649700	3	20506
3	M649701	M649703	3	20507
4	M649704	M649706	3	20508
5	M649707	M649709	3	20509
6	M649710	M649712	3	20510
7	M649713	M649716	4	20511
8	M649717	M649719	3	20512
9	M649720	M649722	3	20513
10	M649723	M649725	3	20514
11	M649726	M649729	4	20515
12	M649730	M649732	3	20516
13	M649733	M649735	3	20517

SAMPLE SHIPMENT LOG

RC Drilling Log

Project: Vivi RC Drilling: Midnight Sun

Property : _____ Vivi _____

Zone: Vivi

Northing:	6758795.00	Dip:	-45	Drilling Dates:	July 22, 2012	Comments:
Easting:	451018.00	Diameter:	3"		to July 22, 2012	
Azimuth:	270.00	Depth:	200 feet, 61.00m			

Hole: RCH-12-20

Logger Name: N. Phillips/L. Flavelle

Date: July 23, 2012

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
10	15				UB	FG	LT	BL		2	2-3			4	1	3					<5% quartz vein hosting trace disseminated pyrite

[illegible]

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	PY	Mg	As	Gn	Cp	Sp	
60	65					UB	FG	MD MD	OR GY	2-3	3			2	.5	1					trace disseminated pyrite throughout
65	70					UB	FG	LT MD	BL OR	1-2	2			3-4	1	2					15% yellow quartz, fine-grained pyrite associated
70	75					UB	FG	LT LT OR-YW	BL	1	2-3			2	1	0					25% yellow quartz, trace fine-grained pyrite
75	80					UB	FG	LT	BL	0-1	2			4	0	1					15% white quartz
80	85					UB	FG	LT MD	BL OR	2	2-3			3	.5	3					5% yellow-white quartz, pyrite
85	90					UB	FG	LT-MD LT-MD	BL OR	0-1	3			2	1	5					low recovery: 20% yellow quartz, fine-grained
90	95					UB	FG	MD	BL OR	1	3			3	.1	1					15% yellow quartz, same as above
95	100					UB	FG	MD	BL OR	2-3	2			2	.5	2					low recovery: 25% white-yellow quartz, trace pyrite
100	105					UB	FG	MD	BL	2	3			2	.1						5% white-yellow quartz, some magnetite stringers
105	110					UB	FG	MD	BL	4	3-4			2	1	2					low recovery: 10% white quartz, fine-grained
110	115					UB	FG	MD	BL OR	3	3			2	.5	1					5% quartz vein
115	120					UB	FG	MD	OR BL	4	3			2	.5	0					5-10% quartz vein
120	125					UB	FG	MD	BL	2	3			3	.1						<5% quartz vein

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION	
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp		
125	130					UB	FG	MD	GN-BL	3	3			3	.1							5-10% quartz vein
130	135					UB	FG	LT	BL OR	2-3				3	.1							low recovery: 5% quartz vein
135	140					UB	FG	MD	BL-GN OR	2	3			3	.5	1						5-10% quartz, trace disseminated pyrite in yellow
140	145					UB	FG	MD	BL-GN OR	1-3				3	.5	2						5-10% quartz, trace disseminated pyrite in yellow
145	150					UB	FG	MD	BL-GN OR	1	2			3	.1	2						5% quartz vein
150	155					UB	FG	MD	BL-GN OR	1-2	2-3			2-3	.1	2						<5% quartz vein
155	160					UB	FG	MD	BL-GN OR	1-2	2-3			2-3	.1	1						5% quartz vein
160	165					UB	FG	MD	BL-GN OR	1-2	3			2-3	.1	1						5% quartz vein
165	170					UB	FG	MD	BL-GN OR	1	2-3			3	.1	1						<5% quartz vein
170	175					UB	FG	MD	BL	0	2			3-4	.1	1						5% quartz vein
175	180					UB	FG	MD	BL	0	1			4	.1	1						5-10% quartz vein
180	185					UB	FG	LT-MD	BL	0	0-1			4		1						5-10% quartz vein
185	190					UB	FG	LT-M	BL	0	0-1			4		0						<5% quartz vein

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)				Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
190	195				UB	FG	LT-M	BL		0-1				4	0						<5% quartz vein
195	200				UB	FG	LT	BL		0-1				4	2						50% ultrabasic, trace quartz
					PHY	FG	DK	BL-GY							.5-1						50% phyllite hosting trace disseminated pyrite
																					EOH @ 200ft, 61.00m

RC Sample Log

IVI RCH-12-20

Date: July 23, 2012

[illegible]

	Sample Number	QA-QC Sample Type	Hole Number	Sample Wt. (kg)
1	M649736		RCH-12-20	
2	M649737		RCH-12-20	
3	M649738		RCH-12-20	
4	M649739		RCH-12-20	
5	M649740		RCH-12-20	
6	M649741		RCH-12-20	
7	M649742		RCH-12-20	
8	M649743		RCH-12-20	
9	M649744		RCH-12-20	
10	M649745	ML-2 Standard	RCH-12-20	
11	M649746		RCH-12-20	
12	M649747		RCH-12-20	
13	M649748		RCH-12-20	
14	M649749		RCH-12-20	
15	M649750		RCH-12-20	
16	M649751		RCH-12-20	
17	M649752		RCH-12-20	
18	M649753		RCH-12-20	
19	M649754		RCH-12-20	
20	M649755		RCH-12-20	
21	M649756		RCH-12-20	
22	M649757	BLANK	RCH-12-20	
23	M649758		RCH-12-20	
24	M649759		RCH-12-20	
25	M649760		RCH-12-20	
26	M649761		RCH-12-20	
27	M649762		RCH-12-20	
28	M649763		RCH-12-20	
29	M649764	CDN-ME-15	RCH-12-20	
30	M649765		RCH-12-20	

Batch: RCH-12-20

Area: RC

ID Colour: Green

Weight: kg / lbs

Bag #	From (sample #)	To (sample #)	Total # samples	ID #
1	M649736	M649738	3	20518
2	M649739	M649741	3	20519
3	M649742	M649745	4	20520
4	M649746	M649748	3	20521
5	M649749	M649751	3	20522
6	M649752	M649754	3	20523
7	M649755	M649757	3	20524
8	M649758	M649760	3	20525
9	M649761	M649764	4	20526
10	M649765	M649767	3	20527
11	M649768	M649770	3	20528
12	M649771	M649773	3	20529
13	M649774	M649775	2	20530
14	M649776	M649777	2	20531

SAMPLE SHIPMENT LOG

RC Drilling Log

Project: Vivi RC Drilling: Midnight Sun

Property : _____ Vivi _____

Zone: Vivi

Northing:	6758799.00	Dip:	-45	Drilling Dates:	July 22, 2012	Comments:
Easting:	450943.00	Diameter:	3"		to July 22, 2012	
Azimuth:	270.00	Depth:	200 feet, 61.00m			

Hole: RCH-12-21

Logger Name: L. Flavelle

Date: July 23, 2012

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllitic	Talc	Py	Mg	As	Gn	Cp	Sp	
10	15				UB	FG	MD MD	OR BL	3	3			3		1						trace quartz vein
15	20					UB	FG	LT-MD MD OR	1-2	2-3			3		1						trace quartz vein
20	25					UB	FG	LT-MD LT-MD OR	1-2	2-3			3	.1	1						5-10% quartz vein fine-grained sulfide hosted within yellow quartz
25	30					UB	FG	MD MD BL	2	3			3		0						15% quartz vein
30	35					UB	FG	MD BL-GN	1-2	2			3	.1	0						low recovery: trace quartz vein
35	40					UB	FG	MD OR	1-2	2-3			3	.1	1						low recovery: 5% quartz vein
40	45					UB	FG	MD BL-GN MD OR	1-2	2-3			3	.1	3						5% quartz vein
45	50					UB	FG	MD BL-GN MD OR	2	3			3	.1	1						trace vein quartz
50	55					UB	FG	MD BL-GN MD OR	2	2-3			3	.1	1						5% quartz vein, magnetite stringers hosting trace
55	60					UB	FG	MD LT BL-GN	3	3			3-4	.1	0						low recovery: 10-15% quartz vein, trace

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	PY	Mg	As	Gn	Cp	Sp	
60	65					UB	FG	MD	OR	3	3			3	.5	1					low recovery: 25% vein quartz, white to yellow-
65	70					UB	FG	MD	OR	2-3	3			3-4	.1	2					low recovery: 2% quartz vein
70	75					UB	FG	MD	OR	3	2			3	.5	1					low recovery: 30% quartz vein
								MD	BL												
75	80					UB	FG	MD	OR	3	2			3-4	.1	1					40% yellow quartz vein
								LT	BL												
80	85					UB	FG	LT	OR	1-2	1-2			3-4	.1	.1					30% white-yellow quartz vein
85	90					UB	FG	MD	OR	2	2-3			3	.5	.1					5% quartz vein
								MD	BL												
90	95					UB	FG	MD	OR	2	2			3	.1	3-5					15% quartz vein
								MD	BL												
95	100					UB	FG	MD	BL	1	2			3-4	.1	1-2					5% quartz vein
100	105					UB	FG	MD	BL	1	2			3-4	.1	1-2					trace quartz vein
105	110					UB	FG	T-MD	BL	0-1	2			4	.5	1-2					low recovery: 15% quartz vein, magnetite stringers
110	115					UB	FG	MD	OR-BN	1-2	1-2			3	.1						5% quartz vein
115	120					QVN	FG	MD	WH						.1						90% quartz vein
						UB	FG	MD	BL	3	1			4-5							10% UB
120	125					QVN	FG	MD	WH						.1						60% quartz vein
						UB	FG	MD	BL	3	1			4-5							40% UB

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION	
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp		
125	130					UB	FG	MD	BL	3	1			3-4	.1	2						10% quartz vein
								MD														
130	135					UB	FG	MD	BL	2	2			4	.1	5						5-10% quartz vein, yellow
								MD	OR													
135	140					UB	FG	MD	BL	2	2			3-4	.1	2						trace quartz vein
								MD	OR													
140	145					UB	FG	MD	BL	1-2				4	.1	3						5% quartz vein, yellow
145	150					UB	FG	MD	BL	1	1-2			4	.1	1						trace quartz vein
150	155					UB	FG	MD	BL-GN	1	2			3-4	.1	1						big chips, 5% quartz vein, yellow
155	160					UB	FG	MD	BL-GN	1	2			3-4	.1	1						5% quartz vein
160	165					UB	FG	MD	OR	2-3	2			4	.1	.1						<5% quartz vein
165	170					UB	FG	LT	BL	0-1	1			5	.1	1						low recovery: 20% grey quartz vein
170	175					UB	FG	MD	GN	1-2	1			2	.1							very chlorite-rich: 5% quartz vein
175	180					UB	FG	MD	GN	0	0-1			1-2								50% very chlorite-rich
						PHY	FG	MD	BK						.5	.1						
180	185					PHY	FG	MD	BK		1				.5							
185	190					PHY	FG	MD	BK	1	1				.1							5% white to orange quartz vein

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION	
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp		
190	195					PHY	FG	MD	BK						.1						trace quartz vein	
195	200					UB	FG	LT MD	BL BK	3	1-2										15% quartz vein	
																					EOH @ 200ft, 61.00m	

RC Sample Log

IVI RCH-12-21

Date: July 23, 2012

[illegible]

	Sample Number	QA-QC Sample Type	Hole Number	Sample Wt. (kg)
1	M649778		RCH-12-21	
2	M649779		RCH-12-21	
3	M649780		RCH-12-21	
4	M649781		RCH-12-21	
5	M649782		RCH-12-21	
6	M649783		RCH-12-21	
7	M649784	BLANK	RCH-12-21	
8	M649785		RCH-12-21	
9	M649786		RCH-12-21	
10	M649787		RCH-12-21	
11	M649788		RCH-12-21	
12	M649789		RCH-12-21	
13	M649790		RCH-12-21	
14	M649791		RCH-12-21	
15	M649792		RCH-12-21	
16	M649793		RCH-12-21	
17	M649794	ML-2 Standard	RCH-12-21	
18	M649795		RCH-12-21	
19	M649796		RCH-12-21	
20	M649797		RCH-12-21	
21	M649798		RCH-12-21	
22	M649799		RCH-12-21	
23	M649800		RCH-12-21	
24	M649801		RCH-12-21	
25	M649802		RCH-12-21	
26	M649803		RCH-12-21	
27	M649804		RCH-12-21	
28	M649805		RCH-12-21	
29	M649806	BLANK	RCH-12-21	
30	M649807		RCH-12-21	

Batch: RCH-12-21

Area: RC

ID Colour: Orange

Weight: kg / lbs

Bag #	From (sample #)	To (sample #)	Total # samples	ID #
1	M649778	M649780	3	20532
2	M649781	M649783	3	20533
3	M649784	M649786	3	20534
4	M649787	M649789	3	20535
5	M649790	M649792	3	20536
6	M649793	M649796	4	20537
7	M649797	M649799	3	20538
8	M649800	M649802	3	20539
9	M649803	M649805	3	20540
10	M649806	M649808	3	20541
11	M649809	M649811	3	20542
12	M649812	M649814	3	20543
13	M649815	M649818	4	20544
14	M649819	M649819	1	20545

SAMPLE SHIPMENT LOG

RC Drilling Log

Project: Vivi RC Drilling: Midnight Sun

Property : _____ Vivi _____

Zone: Vivi

Northing: 6,758,593.00	Dip: -45	Drilling Dates: July 23, 2012	Comments: _____
Easting: 451,101.00	Diameter: 3"	to July 23, 2012	_____
Azimuth: 270.00	Depth: 200 feet, 61.00m		_____

Hole: RCH-12-22

Logger Name: L. Flavelle

Date: July 24, 2012

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
10	15				UB	fg		LT-M	BL	0	1			4-5	0.15						5% yellow quartz vein with fine-grained pyrite.

15	20				UB	fg		LT-M	BL	1	1			4	0.15	10					5% yellow quartz vein.
20	25				UB	fg		LT-M	BL	1	1			4	5-10						3% quartz vein.
25	30				UB	fg		LT-M	BL	1	1			4-5	0.15	10					3% quartz vein (yellow) with fine grained pyrite.
30	35				UB	fg		LT-M	BL	0	0-1			5	0	5					No quartz vein.
35	40				UB	fg		MD	OR	3-4	3			2	0.5	5					15% white-yellow quartz veins with trace fine-
40	45				UB	fg		LT-M	BL	1-2	2			2-3	0.1	10					5% quartz vein.
45	50				UB	fg		MD	BL-GY	2	3			3	0.1	5					15% yellow quartz vein with fine-grained
50	55				UB	fg		LT	BL	2-3	3			2		1					20% light yellow quartz.
55	60				UB	fg		LT-M	BL-OR	1-2	3			2-3	0.1	1					10% quartz vein with fine-grained pyrite.

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
60	65					UB	fg	MD LT	WH OR	3	2		1-2	0.1	1						Low recovery: 75% quartz vein.
65	70					UB	fg	MD	OR	3	3		1-2	0.1	1						Low recovery: 30% quartz vein. Fine-grained pyrite
70	75					UB	fg	T-MD LT-MD	BL OR	2	2		3	0.5	1						5-10% quartz vein
75	80					UB	fg	T-MD LT-MD	BL OR	2	2		3	0.5	3						Same as 70-75.
80	85					UB	fg	T-MD	BL	0	1		4	0.5	3						5% quartz vein
85	90					UB	fg	MD	BL	1	2		3	0.1	10						Some coarse-grained black magnetite chips. 5%
90	95					UB	fg	T-MD LT-MD	BL OR	1	2		3-4		5						Dark red oxidation on some chips. 3% yellow
95	100					UB	fg	T-MD	BL	1	1		4		10						Dark red oxidation on some chips. 5% quartz veins
100	105					UB	fg	LT MD	BL OR	3	2		3-4	1	2-3						20% quartz veins with trace disseminated pyrite.
105	110					UB	fg	LT MD	BL OR	3	2		3-4	1	1						20% quartz veins with trace disseminated pyrite.
110	115					UB	fg	T-MD LT	BL OR	1	2		3	0.1	1						5% quartz veins with trace disseminated pyrite.
115	120					UB	fg	T-MD	BL	0-2			3-4	0.5	1						10% quartz veins with trace disseminated pyrite.
120	125					UB	fg	T-MD LT	BL YW	1	2		3	0.5	2						15% quartz veins. Pyrite disseminated throughout

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
125	130					UB	fg	MD	GY	1	3			3	0.5	0					5% quartz.
130	135					UB	fg	MD	OR	1-2				2	0.5	0					60% quartz.
135	140					UB	fg	LT	BL	1	3			2	0.11						5% quartz vein, pyrite is associated with the
								LT	OR												
140	145					UB	fg	LT	BL-GN	1-2				3	0.5	1					10% quartz vein, pyrite is associated with the
								LT	OR												
145	150					UB	fg	LT	BL-GN	1-2	3			3	0.5	3					10% yellow quartz vein with trace pyrite.
								LT	OR												
150	155					UB	fg	T-MD	BL	1	3			3	0.5	3					20% light yellow quartz vein with pyrite.
								LT	YW												
155	160					UB	fg	T-MD	BL	1	2			4	0.1	3					5% quartz vein with fine-grained pyrite.
160	165					UB	fg	MD	BL	1	1			4	0.1	3					10-15% light yellow quartz vein with fine-grained
								LT	YW												
165	170					UB	fg	MD	BL	1	2			3	0.5	3					10% quartz vein. Pyrite disseminated throughout
								LT	YW												
170	175					QVN	fg	MD	BL	1-2	1-2			2-3	0.5	3					60-70% quartz vein with pyrite.
								LT	YW												
175	180					QVN	fg	T-MD	BL	2-3	2			2	0.1	2					60% quartz vein with pyrite.
								MD	OR												
180	185					UB	fg	MD	BL	1-2	2			3	0.1	3					40% light yellow quartz vein with pyrite.
								LT	YW												
185	190					UB	fg	MD	BL	1	2			2	0.5	5					10% quartz vein with magnetite stringers and fine-

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
								MD	OR												
190	195				UB	fg		MD	BL	2	3			2	0.55						5-10% quartz vein with pyrite associated with the
								LT	YW												
195	200				UB	fg		LT-M	BL	0-12				3-4	0.12						5% quartz vein with associated pyrite.

EOH @ 200ft, 61.00m

RC Sample Log

IVI RCH-12-22

Date: July 24, 2012

[illegible]

	Sample Number	QA-QC Sample Type	Hole Number	Sample Wt. (kg)
1	M649820		RCH-12-22	
2	M649821		RCH-12-22	
3	M649822		RCH-12-22	
4	M649823		RCH-12-22	
5	M649824	CDN-ME-15	RCH-12-22	
6	M649825		RCH-12-22	
7	M649826		RCH-12-22	
8	M649827		RCH-12-22	
9	M649828		RCH-12-22	
10	M649829		RCH-12-22	
11	M649830		RCH-12-22	
12	M649831		RCH-12-22	
13	M649832		RCH-12-22	
14	M649833	BLANK	RCH-12-22	
15	M649834		RCH-12-22	
16	M649835		RCH-12-22	
17	M649836		RCH-12-22	
18	M649837		RCH-12-22	
19	M649838		RCH-12-22	
20	M649839		RCH-12-22	
21	M649840		RCH-12-22	
22	M649841		RCH-12-22	
23	M649842	ML-2	RCH-12-22	
24	M649843		RCH-12-22	
25	M649844		RCH-12-22	
26	M649845		RCH-12-22	
27	M649846		RCH-12-22	
28	M649847		RCH-12-22	
29	M649848		RCH-12-22	
30	M649849		RCH-12-22	

Batch: RCH-12-22

Area: RC

ID Colour: Pink

Weight: kg / lbs

Bag #	From (sample #)	To (sample #)	Total # samples	ID #
1	M649820	M649822	3	20546
2	M649823	M649826	4	20547
3	M649827	M649829	3	20548
4	M649830	M649832	3	20549
5	M649833	M649835	3	20550
6	M649836	M649838	3	20551
7	M649839	M649841	3	20552
8	M649842	M649845	4	20553
9	M649846	M649848	3	20554
10	M649849	M649851	3	20555
11	M649852	M649854	3	20556
12	M649855	M649857	3	20557
13	M649858	M649860	3	20558

SAMPLE SHIPMENT LOG

RC Drilling Log

Project: Vivi RC Drilling: Midnight Sun

Property : _____ Vivi _____

Zone: Vivi

Northings:	6758601.00	Dip:	-45	Drilling Dates:	July 24	Comments:
Easting:	451202.00	Diameter:	3"		to July 24	
Azimuth:	270.00	Depth:	200 feet, 61.00m			

Hole: RCH-12-23

Logger Name: N. Phillips/L. Flavelle

Date: July 25, 2012

Interval				Magnetic Susceptibility	Lithology					Alteration					Minerals						Description
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phylic	Talc	Py	Mg	As	Gn	Cp	Sp	
15	20					UB	fg	MD	DR-GY	2	3			2	.1	5					5% quartz vein, disseminated pyrite
20	25					UB	fg	MD	OR	3-4	3			2		3					low recovery: 3% quartz vein. Trace malachite.
25	30					UB	fg	MD	BL	1	1-2			3		5-10					3% quartz vein, magnetite stringers. Trace
30	35					UB	fg	LT-MD	BL	1	2			2		5					5% white quartz vein. Trace malachite.
35	40					UB	fg	MD LT	OR GY	3	3			1	.1	5					low recovery: 5% quartz vein. Trace malachite.
40	45					UB	fg	MD LT	OR GY	4	3			1-2		5					low recovery: 10% quartz vein. Trace malachite.
45	50					UB	fg	MD LT	OR GY	4	3			2		5					low recovery: 5% quartz vein. Trace malachite.
50	55					UB	fg	MD LT	OR GY	3	4			1-2	.1	5					10% quartz vein (light yellow to white) hosting
55	60					UB	fg	LT MD	GY OR	2-32	3			1-2		5					low recovery: 15% quartz vein
60	65					UB	fg	LT	BL	1	3			3		5-10					5% yellow quartz vein

RC Drilling Log

[illegible]

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
130	135					UB	fg	LT-M BL		0	2			3-4	.5	5-10					5% quartz vein, some magnetite + pyrite stringers
								LT-M GN													
135	140					UB	fg	LT-M BL-GN		0	1			3	.1	5					0.1% fine-grained pyrite in trace quartz vein
140	145					UB	fg	LT MD	BL OR	2	3			3	.1	3					5% quartz vein
145	150					UB	fg	LT MD	BL OR	1	2-3			3	.1	5					10% quartz vein
150	155					UB	fg	LT MD	BL OR	1	2-3			3-4	.1	3					20% quartz vein, fine-grained sulfide associated
155	160					UB	fg	LT-MD	BL	0	1			3	.1	10					5% quartz vein, very fine-grained pyrite
160	165					UB	fg	LT-MD	BL	0	0-1			3-4	.1	5					10% quartz vein
165	170					UB	fg	LT-MD	GN OR	1-2	1-2			3	.1	3					5% quartz vein, green likely from chlorite
170	175					UB	fg	LT-MD	BL-GN OR	2	3			3	.1	5					5% quartz
175	180					UB	fg	MD MD	BL OR	2	3			2-3	0	3					5% quartz veining
180	185					UB	fg	MD	BL	1	2			3	.1	5					5% quartz veining
185	190					UB	fg	MD MD	BL OR	1	2			3	.1	3					magnetite stringers exist in 5-10% quartz
190	195					UB	fg	MD	BL	2	3			3	.1	5					5% quartz vein

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
								MD	OR												
195	200				UB	fg	LT-M	BL-G	2 3	3				.1	1						5-10% quartz with magnetite stringers and

EOH @ 200ft, 61.00m

RC Sample Log

IVI RCH-12-23

Date: July 24, 2012

From (ft)	To (ft)	From (m)	To (m)	Interval (m)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments
15.00	20.00				M649861	23				
20.00	25.00				M649862	23				
25.00	30.00				M649863	23				
30.00	35.00				M649864	23				
35.00	40.00				M649865	23				
40.00	45.00				M649866	23				
45.00	50.00				M649867	23				
-	-	-	-	-	M649868	23				BLANK
50.00	55.00				M649869	23				
55.00	60.00				M649870	23				
60.00	65.00				M649871	23				
65.00	70.00				M649872	23				
70.00	75.00				M649873	23				
75.00	80.00				M649874	23				
80.00	85.00				M649875	23				
-	-				M649876	23				
85.00	90.00				M649877	23				
90.00	95.00				M649878	23				
95.00	100.00				M649879	23				
100.00	105.00				M649880	23				
105.00	110.00				M649881	23				
110.00	115.00				M649882	23				
115.00	120.00				M649883	23				
120.00	125.00				M649884	23				
125.00	130.00				M649885	23				
-	-				M649886	23				
130.00	135.00				M649887	23				
135.00	140.00				M649888	23				
140.00	145.00				M649889	23				
145.00	150.00				M649890	23				
150.00	155.00				M649891	23				
155.00	160.00				M649892	23				
160.00	165.00				M649893	23				
165.00	170.00				M649894	23				
-	-				M649895	23				
170.00	175.00				M649896	23				
175.00	180.00				M649897	23				
180.00	185.00				M649898	23				
185.00	190.00				M649899	23				
190.00	195.00				M649900	23				
195.00	200.00				M649901	23				
										EOH @ 200ft, 61.00m

	Sample Number	QA-QC Sample Type	Hole Number	Sample Wt. (kg)
1	M649861		RCH-12-23	
2	M649862		RCH-12-23	
3	M649863		RCH-12-23	
4	M649864		RCH-12-23	
5	M649865		RCH-12-23	
6	M649866		RCH-12-23	
7	M649867		RCH-12-23	
8	M649868	BLANK	RCH-12-23	
9	M649869		RCH-12-23	
10	M649870		RCH-12-23	
11	M649871		RCH-12-23	
12	M649872		RCH-12-23	
13	M649873		RCH-12-23	
14	M649874		RCH-12-23	
15	M649875		RCH-12-23	
16	M649876	ML-2 Standard	RCH-12-23	
17	M649877		RCH-12-23	
18	M649878		RCH-12-23	
19	M649879		RCH-12-23	
20	M649880		RCH-12-23	
21	M649881		RCH-12-23	
22	M649882		RCH-12-23	
23	M649883		RCH-12-23	
24	M649884		RCH-12-23	
25	M649885		RCH-12-23	
26	M649886	BLANK	RCH-12-23	
27	M649887		RCH-12-23	
28	M649888		RCH-12-23	
29	M649889		RCH-12-23	
30	M649890		RCH-12-23	

[illegible]

Batch: RCH-12-23 Area: RC ID Colour: Green Weight: kg / lbs

Bag #	From (sample #)	To (sample #)	Total # samples	ID #
1	M649861	M649863	3	20559
2	M649864	M649866	3	20560
3	M649867	M649869	3	20561
4	M649870	M649872	3	20562
5	M649873	M649876	4	20563
6	M649877	M649879	3	20564
7	M649880	M649882	3	20565
8	M649883	M649885	3	20566
9	M649886	M649888	3	20567
10	M649889	M649891	3	20568
11	M649892	M649895	4	20569
12	M649896	M649898	3	20570
13	M649899	M649901	3	20571

RC Drilling Log

Project: Vivi RC Drilling: Midnight Sun

Property : Vivi

Zone: Vivi

Northing: 6758404.00

Dip: -45

-45

Drilling Dates: July 24, 2012

Comments:

Easting: 451283.00

Diameter: 3"

3"

to July 24, 2012

Azimuth: 270.00

Depth:

200 feet, 61.00m

Hole: RCH-12-24

Logger Name: L. Flavelle/N. Phillips

Date: July 25, 2012

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION	MINERALS						DESCRIPTION				
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg		As	Gn	Cp	Sp

[illegible]

RC Drilling Log

[illegible]

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
125	130					UB	FG	LT-M BL MD		1-2			3		.1	3					5% quartz vein, mainly light orange
130	135					UB	FG	LT-M BL		0-1	2			3-4	.5	5					5% quartz vein, yellow, with hematite stringers and
135	140					UB	FG	LT-M BL LT-M YW		0-2			2		.5	10					30% quartz vein, mainly yellow, hosting pyrite
140	145					UB	FG	LT-M BL		0	0-1			4-5	.1	5					5% white quartz vein, pyrite
145	150					UB	FG	LT-M BL LT-M YW		0	1			3-4	.5	5					lower recovery: 25% quartz vein, fine-grained
150	155					UB	FG	LT-M BL		0-10	1			4	.1	5-10					3% yellow quartz
155	160					UB	FG	LT-M BL		0	2			3-4		5					5% light purple quartz vein
160	165					UB	FG	LT-M BL-PU		0	1			3		5					5-10% quartz vein
165	170					UB	FG	LT-M BL-PU		0	0-1			2	.1	5					5% white quartz vein, fine-grained pyrite,
170	175					UB	FG	LT-M BL-PU		0	1			3	.5	5					5% quartz vein, mostly white, pyrite associated
175	180					UB	FG	LT-M BL-PU		0	2			3	.5	5-10					5% quartz vein, pyrite associated with quartz,
180	185					UB	FG	LT-M BL-PU		0-1	2			2-3	0	5-10					2% quartz vein, no pyrite
185	190					UB	FG	LT BL-G		2	2			2	.1	5					10% quartz vein, some pink, pyrite associated with

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
								MD	OR												
190	195					UB	FG	LT-M	BL-G\2-3-4	2	.1	5								5% quartz vein, mostly white, magnetite stringers	
195	200					UB	FG	LT-M	BL 0 2	3	.1	10								5% quartz vein, often pink, pyrite disseminated	

EOH @ 200ft, 61.00m

RC Sample Log

IVI RCH-12-24

Date: July 24, 2012

[illegible]

	Sample Number	QA-QC Sample Type	Hole Number	Sample Wt. (kg)
1	M649902		RCH-12-24	
2	M649903		RCH-12-24	
3	M649904	ML-2 Standard	RCH-12-24	
4	M649905		RCH-12-24	
5	M649906		RCH-12-24	
6	M649907		RCH-12-24	
7	M649908		RCH-12-24	
8	M649909		RCH-12-24	
9	M649910		RCH-12-24	
10	M649911		RCH-12-24	
11	M649912		RCH-12-24	
12	M649913		RCH-12-24	
13	M649914		RCH-12-24	
14	M649915	BLANK	RCH-12-24	
15	M649916		RCH-12-24	
16	M649917		RCH-12-24	
17	M649918		RCH-12-24	
18	M649919		RCH-12-24	
19	M649920		RCH-12-24	
20	M649921		RCH-12-24	
21	M649922		RCH-12-24	
22	M649923		RCH-12-24	
23	M649924		RCH-12-24	
24	M649925		RCH-12-24	
25	M649926		RCH-12-24	
26	M649927		RCH-12-24	
27	M649928		RCH-12-24	
28	M649929		RCH-12-24	
29	M649930		RCH-12-24	
30	M649931		RCH-12-24	

[illegible]

Batch: RCH-12-24

Area: RC

ID Colour: Orange

Weight: kg / lbs

Bag #	From (sample #)	To (sample #)	Total # samples	ID #
1	M649902	M649905	4	20572
2	M649906	M649908	3	20573
3	M649909	M649911	3	20574
4	M649912	M649914	3	20575
5	M649915	M649917	3	20576
6	M649918	M649920	3	20577
7	M649921	M649923	3	20578
8	M649924	M649926	3	20579
9	M649927	M649929	3	20580
10	M649930	M649932	3	20581
11	M649933	M649936	4	20582
12	M649937	M649940	4	20583
13	M649941	M649943	3	20584

SAMPLE SHIPMENT LOG

RC Drilling Log

Project: Vivi RC Drilling: Midnight Sun

Property : _____ Vivi _____

Zone: Vivi

Northing:	6785390.00	Dip:	-45	Drilling Dates:	July 24, 2012	Comments:
Easting:	451486.00	Diameter:	3"		to July 25, 2012	
Azimuth:	270.00	Depth:	200 feet, 61.00m			

Hole: RCH-12-25

Logger Name: L. Flavelle/N. Phillips

Date: July 25, 2012

[illegible][illegible]

RC Drilling Log

[illegible]

RC Drilling Log

[illegible]

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
190	195					UM	FG	DK	GY-G	0	0-1			1	5						
195	200					UM	FG	DK	GY-G	0	0			0-1	2					fine-grained pyrite disseminated throughout	

fine-grained pyrite disseminated throughout
2% quartz vein, one coarse-grain of arsenopyrite

EOH @ 200ft, 61.00m

RC Sample Log

IVI RCH-12-25

Date: July 25, 2012

[illegible]

	Sample Number	QA-QC Sample Type	Hole Number	Sample Wt. (kg)
1	M649944		RCH-12-25	
2	M649945		RCH-12-25	
3	M649946		RCH-12-25	
4	M649947		RCH-12-25	
5	M649948		RCH-12-25	
6	M649949		RCH-12-25	
7	M649950		RCH-12-25	
8	M649951		RCH-12-25	
9	M649952	BLANK	RCH-12-25	
10	M649953		RCH-12-25	
11	M649954		RCH-12-25	
12	M649955		RCH-12-25	
13	M649956		RCH-12-25	
14	M649957		RCH-12-25	
15	M649958		RCH-12-25	
16	M649959		RCH-12-25	
17	M649960		RCH-12-25	
18	M649961		RCH-12-25	
19	M649962	BLANK	RCH-12-25	
20	M649963		RCH-12-25	
21	M649964		RCH-12-25	
22	M649965		RCH-12-25	
23	M649966		RCH-12-25	
24	M649967		RCH-12-25	
25	M649968		RCH-12-25	
26	M649969		RCH-12-25	
27	M649970		RCH-12-25	
28	M649971		RCH-12-25	
29	M649972	CDN-ME-15	RCH-12-25	
30	M649973		RCH-12-25	

[illegible]

Batch: RCH-12-25**Area: RC****ID Colour: No Colour****Weight: kg / lbs**

Bag #	From (sample #)	To (sample #)	Total # samples	ID #
1	M649944	M649946	3	20585
2	M649947	M649949	3	20586
3	M649950	M649952	3	20587
4	M649953	M649955	3	20588
5	M649956	M649958	3	20589
6	M649959	M649961	3	20590
7	M649962	M649964	3	20591
8	M649965	M649967	3	20592
9	M649968	M649970	3	20593
10	M649971	M649974	4	20594
11	M649975	M649978	4	20595
12	M649979	M649981	3	20596
13	M649982	M649985	4	20597

SAMPLE SHIPMENT LOG

RC Drilling Log

Project: Vivi RC Drilling: Midnight Sun Property : _____ Vivi _____ Zone: Vivi

Northing: 6758597.00 Dip: -45 Drilling Dates: July 25, 2012 Comments: _____
 Easting: 451492.00 Diameter: 3" to July 25, 2012 _____
 Azimuth: 270.00 Depth: 200 feet, 61.00m _____

Hole: RCH-12-26

Logger Name: N.Phillips/L. Flavelle

Date: July 25, 2012

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
10	15				UM	FG	DK	BL-GN		0-1	0				0	0					trace quartz, trace fine-grained pyrite

15	20				UM	FG	DK	BL-GN		0	1			1	0	0					trace quartz
20	25				UM	FG	LT-MD	BL-GN		0	1			3		0					5-10% quartz
25	30				UM	FG	MD-DI	GN		1	1-2			3		0					no quartz
30	35				UM	FG	MD	GN		3	2			1		0					trace quartz
35	40				UM	FG	MD	GN		0	0			0		1					50% chlorite-rich ultramafic
					UB		LT-MD	BL		1	0			2	0.1	1					50% talc-carbonate altered ultrabasic with trace
40	45				UB	FG	LT-MD	BL		0	0			3		1					no quartz
45	50				UB	FG	LT-MD	BL		2-3	2			2		0					trace chips of ultramafic but mostly ultrabasic, 5%
50	55				UB	FG	LT-MD	BL		2-3	2			3	0.1	0					trace quartz, trace fine-grained pyrite
55	60				UB	FG	LT-MD	GN		2	1			2	0.1	0					some hematite staining

RC Drilling Log

[illegible]

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
125	130					UB	FG	LT-M	BL	0	0			4	0.15						strong chlorite content
130	135					UB	FG	LT-M	BL-G	0	0-1			4	0.15						
135	140					UB	FG	LT-M	BL-G	0	0-1			4-5	0.13						<5% white quartz
140	145					UB	FG	DK	BL-G	0	0			1-2	1	5					75% of chips chlorite-rich ultramafic 2% quartz vein
145	150					UB	FG			0	0			0	0.1	5					20% dark green, unaltered ultramafic 2% yellow quartz vein
								LT-DK	BL					3							
150	155					UB	FG	MD	GY-BL	1-2	2			1-2		5					5% quartz vein
155	160					UB	FG	MD	BL	0	1-2			3-4	0.1	5-10					2% quartz vein
160	165					UB	FG	LT-M	BL	1	2			3	0.1	5-10					3% quartz vein, disseminated pyrite associated
165	170					UB	FG	LT-M	BL	1-2	3			3	0.1	5					
170	175					UB	FG	LT-M	BL	0-1	2			4	0.1	5					2% quartz vein
175	180					UB	FG	LT	OR	2-3	4			1	0.1	3					10% quartz vein
180	185					UB	FG	MD	OR	3	3-4			2	0.1	5					lower recovery: 15% quartz vein, mainly light
185	190					UB	FG	MD	BL	0-1				4-5	0.15						5% quartz vein

RC Drilling Log

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
190	195				UB	FG	MD-L BL	0-11	5	0.15											3% quartz vein
195	200				UB	FG	MD BL	1 2	3-4	0.15-10											some dark red surfaces (oxidation)

EOH @ 200ft, 61.00m

RC Sample Log

IVI RCH-12-26

Date: July 25, 2012

[illegible]

	Sample Number	QA-QC Sample Type	Hole Number	Sample Wt. (kg)
1	M649986		RCH-12-26	
2	M649987		RCH-12-26	
3	M649988		RCH-12-26	
4	M649989		RCH-12-26	
5	M649990		RCH-12-26	
6	M649991		RCH-12-26	
7	M649992	ML-2 Standard	RCH-12-26	
8	M649993		RCH-12-26	
9	M649994		RCH-12-26	
10	M649995		RCH-12-26	
11	M649996		RCH-12-26	
12	M649997		RCH-12-26	
13	M649998	BLANK	RCH-12-26	
14	M649999		RCH-12-26	
15	M650000		RCH-12-26	
16	M650001		RCH-12-26	
17	M650002		RCH-12-26	
18	M650003		RCH-12-26	
19	M650004		RCH-12-26	
20	M650005		RCH-12-26	
21	M650006		RCH-12-26	
22	M650007		RCH-12-26	
23	M650008		RCH-12-26	
24	M650009		RCH-12-26	
25	M650010	CDN-ME-15	RCH-12-26	
26	M650011		RCH-12-26	
27	M650012		RCH-12-26	
28	M650013		RCH-12-26	
29	M650014		RCH-12-26	
30	M650015		RCH-12-26	

[illegible]

Batch: RCH-12-26

Area: RC

ID Colour: Pink

Weight: kg / lbs

Bag #	From (sample #)	To (sample #)	Total # samples	ID #
1	M649986	M649988	3	
2	M649989	M649992	4	
3	M649993	M649995	3	
4	M649996	M649998	3	
5	M649999	M650001	3	
6	M650002	M650004	3	
7	M650005	M650007	3	
8	M650008	M650011	4	
9	M650012	M650014	3	
10	M650015	M650017	3	
11	M650018	M650020	3	
12	M650021	M650023	3	
13	M650024	M650027	4	

SAMPLE SHIPMENT LOG

RC Drilling Log

Project: Vivi RC Drilling: Midnight Sun Property : _____ Vivi _____ Zone: Vivi

Northing: 6,758,802.00	Dip: -45	Drilling Dates: July 25	Comments: _____
Easting: 451,560.00	Diameter: 3"	to July 25	_____
Azimuth: 270.00	Depth: 65 feet		_____

Hole: RCH-12-27

Logger Name: L. Flavelle

Date: July 25, 2012

INTERVAL				Magnetic Susceptibility	LITHOLOGY					ALTERATION					MINERALS						DESCRIPTION
From (ft)	To (ft)	From (m)	To (m)		Unit	Rock Type	Grain Size	Shade	Colour	Oxidation	Carbonate	Propylitic	Phyllic	Talc	Py	Mg	As	Gn	Cp	Sp	
15	20					UM	FG	DK	BL-GN	0	0			0	1	0					
20	25					UM	FG	DK	BL-GN	0	0-1			0	1-2	0					
25	30					UM	FG	DK	BL	0	0			0	1	0					
30	35					UM	FG	DK	BL	0	0-1			0	0.5	0					
35	40					UM	FG	DK	BL-GN	0	0			0		0					
40	45					UM	FG	DK	BL-GN	0	0			0		1					
45	50					UM	FG	DK	BL-GY	0	0			0		0					
50	55					UM	FG	DK	BL	0	0			1		0					
55	60					UM	FG	DK	BL-GY	0	0			1		0					trace quartz vein
60	65					UM	FG	DK	BL-GY	0	0			0		0					
																					EOH @ 65 feet

RC Sample Log

IVI RCH-12-27

Date: July 22, 2012

[illegible]

	Sample Number	QA-QC Sample Type	Hole Number	Sample Wt. (kg)
1	M650028		RCH-12-27	
2	M650029		RCH-12-27	
3	M650030	BLANK	RCH-12-27	
4	M650031		RCH-12-27	
5	M650032		RCH-12-27	
6	M650033		RCH-12-27	
7	M650034	ML-2 Standard	RCH-12-27	
8	M650035		RCH-12-27	
9	M650036		RCH-12-27	
10	M650037		RCH-12-27	
11	M650038		RCH-12-27	
12	M650039		RCH-12-27	
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Batch: RCH-12-27

Area: RC

ID Colour: No Colour

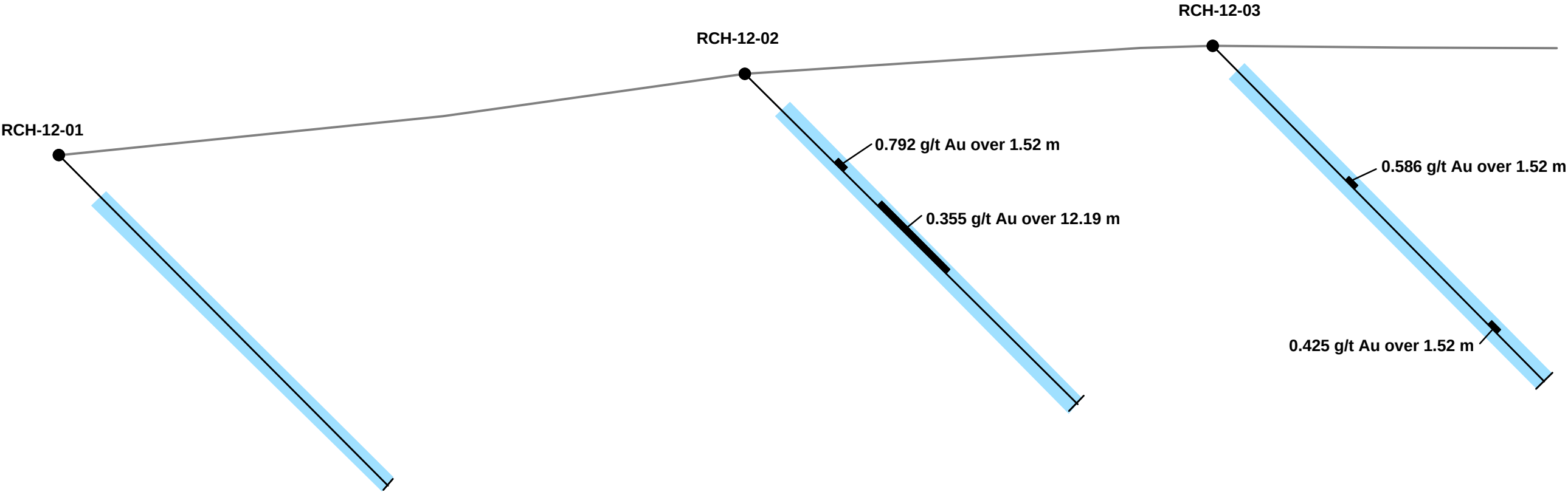
Weight: kg / lbs

Bag #	From (sample #)	To (sample #)	Total # samples	ID #
1	M650028	M650030	3	-
2	M650031	M650033	3	-
3	M650034	M650037	4	-
4	M650038	M650039	2	-

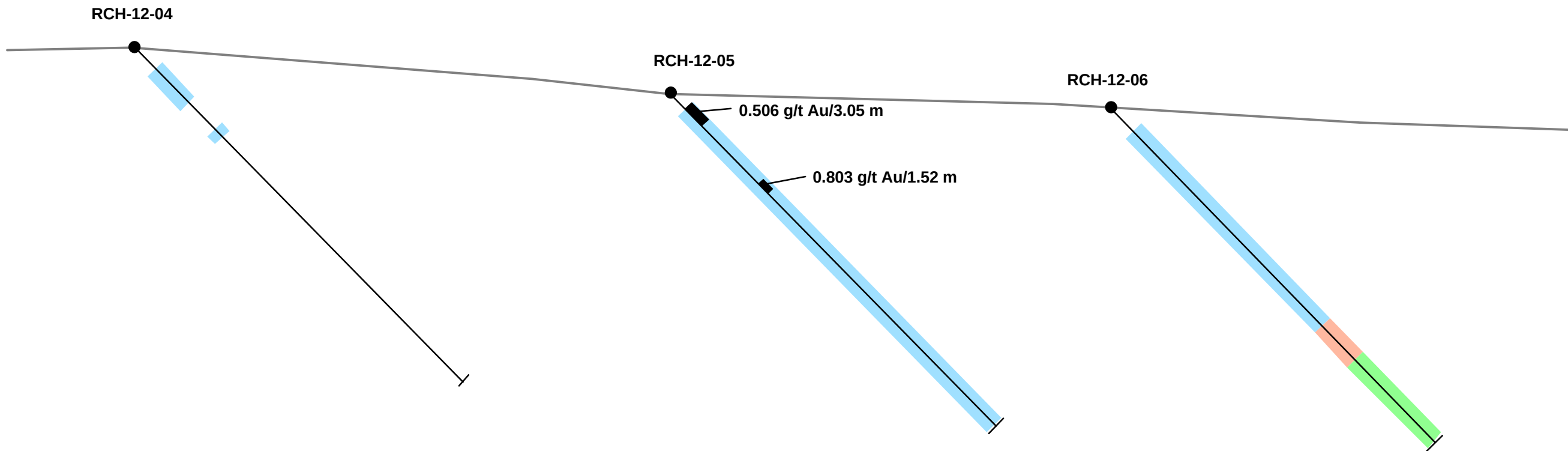
APPENDIX III

REVERSE CIRCULATION DRILL SECTIONS

270°



270°



UM

Serpentine-rich ultramafic

FLR

Oxidised fault rock, variable quartz veining

UB

Talc carbonate altered ultrabasic

PHY

Chlorite phyllite

**WOLVERINE MINERALS CORP.
STRATEGIC METALS LTD.**

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**SECTION I WEST
RCH-12-04, 05 and 06**

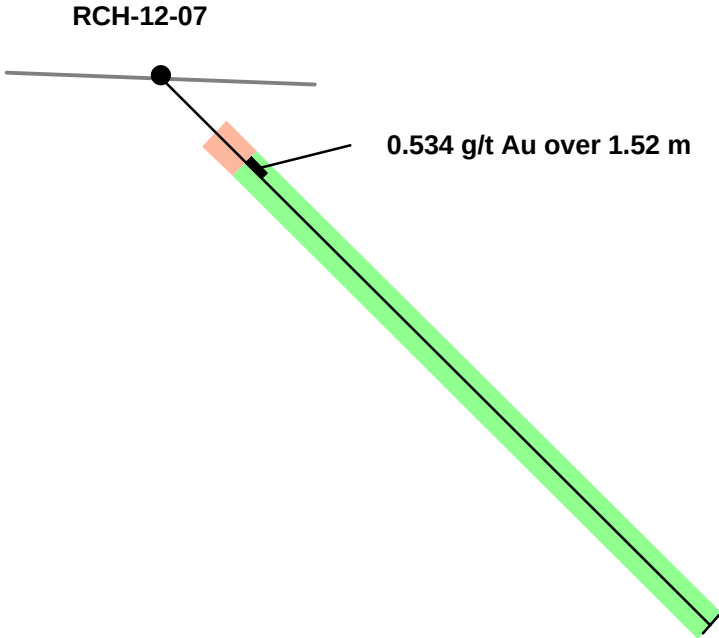
VIVI PROPERTY

0 20 m

FILE: ...2012

DATE: OCTOBER 2012

270°



UM

Serpentine-rich ultramafic

FLR

Oxidised fault rock, variable quartz veining

UB

Talc carbonate altered ultrabasic

PHY

Chlorite phyllite

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STRATEGIC METALS LTD.

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
SECTION I WEST CONTINUED
RCH-12-07
VIVI PROPERTY

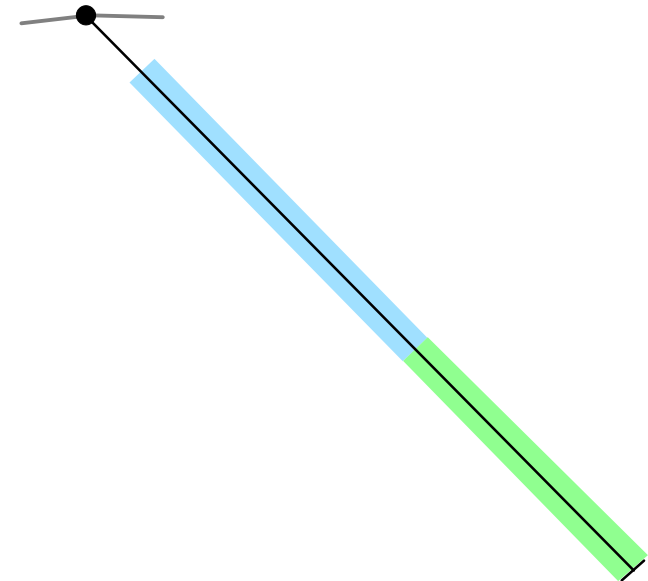
0 20 m

FILE: ...2012

DATE: OCTOBER 2012

270°

RCH-12-08



UM

Serpentine-rich ultramafic

FLR

Oxidised fault rock, variable quartz veining

UB

Talc carbonate altered ultrabasic

PHY

Chlorite phyllite

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SECTION II
RCH-12-08

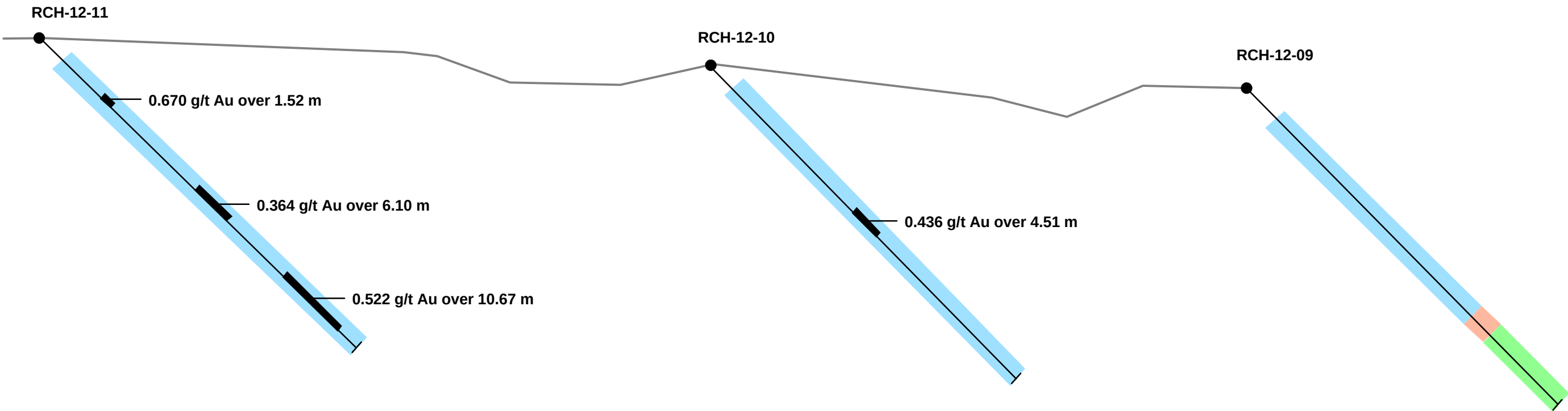
VIVI PROPERTY

0 20 m

FILE: ...2012

DATE: OCTOBER 2012

270° (Facing South)



UM

Serpentine-rich ultramafic

FLR

Oxidised fault rock, variable quartz veining

UB

Talc carbonate altered ultrabasic

PHY

Chlorite phyllite

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SECTION III WEST
RCH-12-09, 10 and 11

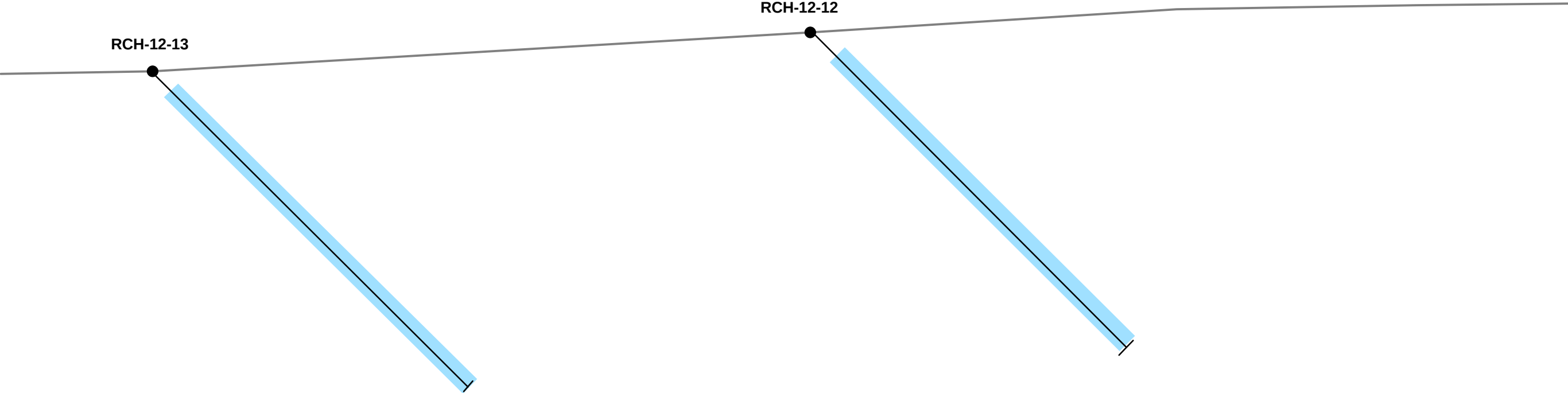
VIVI PROPERTY

0 20 m

FILE: ...2012

DATE: OCTOBER 2012

270°



UM

Serpentine-rich ultramafic

FLR

Oxidised fault rock, variable quartz veining

UB

Talc carbonate altered ultrabasic

PHY

Chlorite phyllite

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SECTION III CENTRAL
RCH-12-12 and 13

VIVI PROPERTY

0 20 m

FILE: ...2012

DATE: OCTOBER 2012

270°

RCH-12-16

RCH-12-15

RCH-12-14

UM

Serpentine-rich ultramafic

FLR

Oxidised fault rock, variable quartz veining

UB

Talc carbonate altered ultrabasic

PHY

Chlorite phyllite

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SECTION III EAST
RCH-12-14, 15 and 16

VIVI PROPERTY

0 20 m

FILE: ...2012

DATE: OCTOBER 2012

RCH-12-17

RCH-12-18

270°

0.662 g/t Au over 4.57 m

0.338 g/t Au over 3.05 m

1.209 g/t Au over 3.05 m

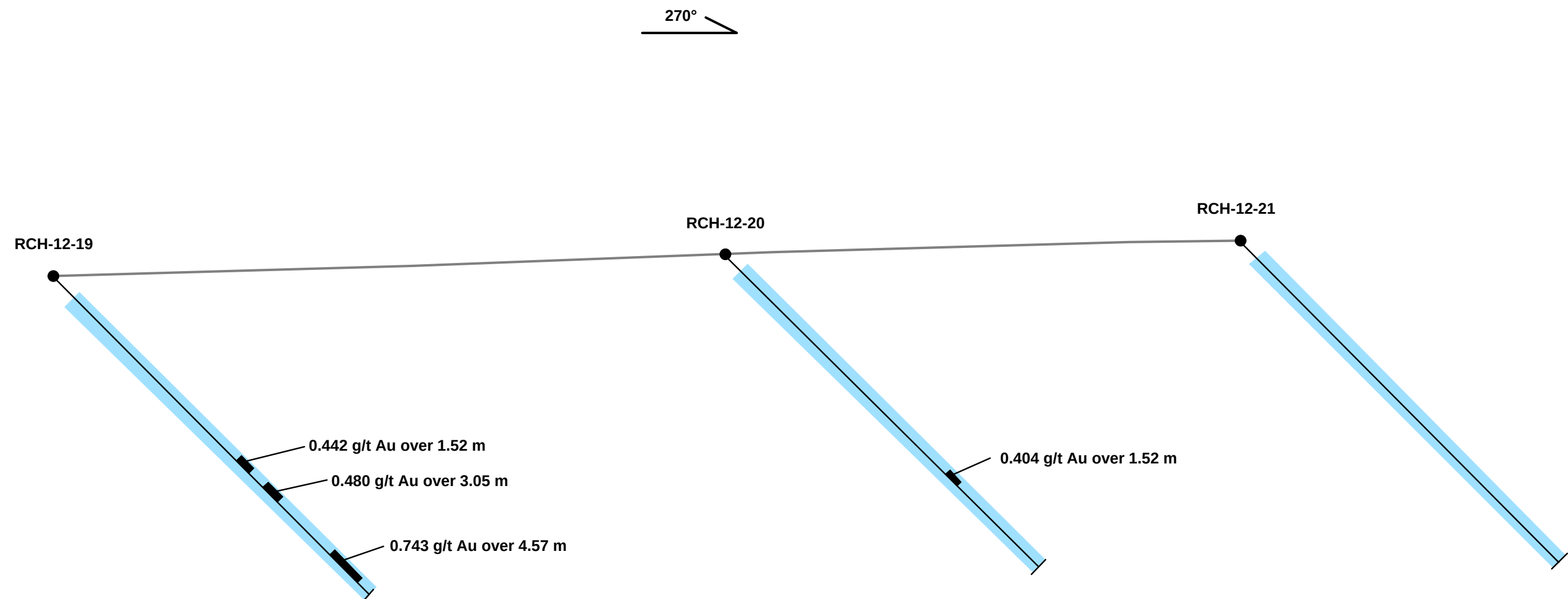
UM	Serpentine-rich ultramafic
FLR	Oxidised fault rock, variable quartz veining
UB	Talc carbonate altered ultrabasic
PHY	Chlorite phyllite

WOLVERINE MINERALS CORP.
STRATEGIC METALS LTD.

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
SECTION IV EAST
RCH-12-17 and 18
VIVI PROPERTY

020 m

FILE: ...2012DATE: OCTOBER 2012



UM	Serpentine-rich ultramafic
FLR	Oxidised fault rock, variable quartz veining
UB	Talc carbonate altered ultrabasic
PHY	Chlorite phyllite

WOLVERINE MINERALS CORP.
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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

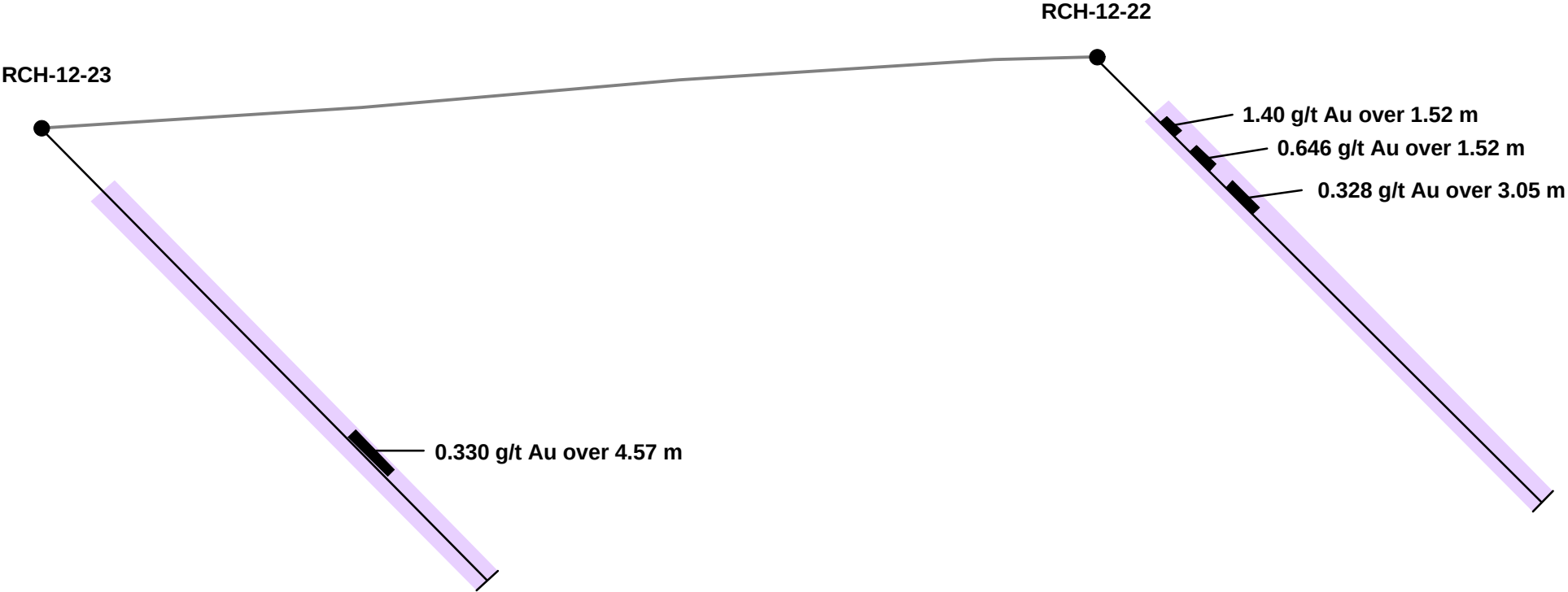
SECTION IV WEST
RCH-12-19, 20 and 21
VIVI PROPERTY

0 20 m

FILE: ...2012

DATE: OCTOBER 2012

270° (Facing South)



UM	Serpentine-rich ultramafic
FLR	Oxidised fault rock, variable quartz veining
UB	Talc carbonate altered ultrabasic
PHY	Chlorite phyllite

WOLVERINE MINERALS CORP.
STRATEGIC METALS LTD.

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SECTION V
RCH-12-22 and 23

VIVI PROPERTY



FILE: ...2012

DATE: OCTOBER 2012

270° (Facing South)

RCH-12-12

RCH-12-25

RCH-12-24

0.407 g/t Au over 1.52 m

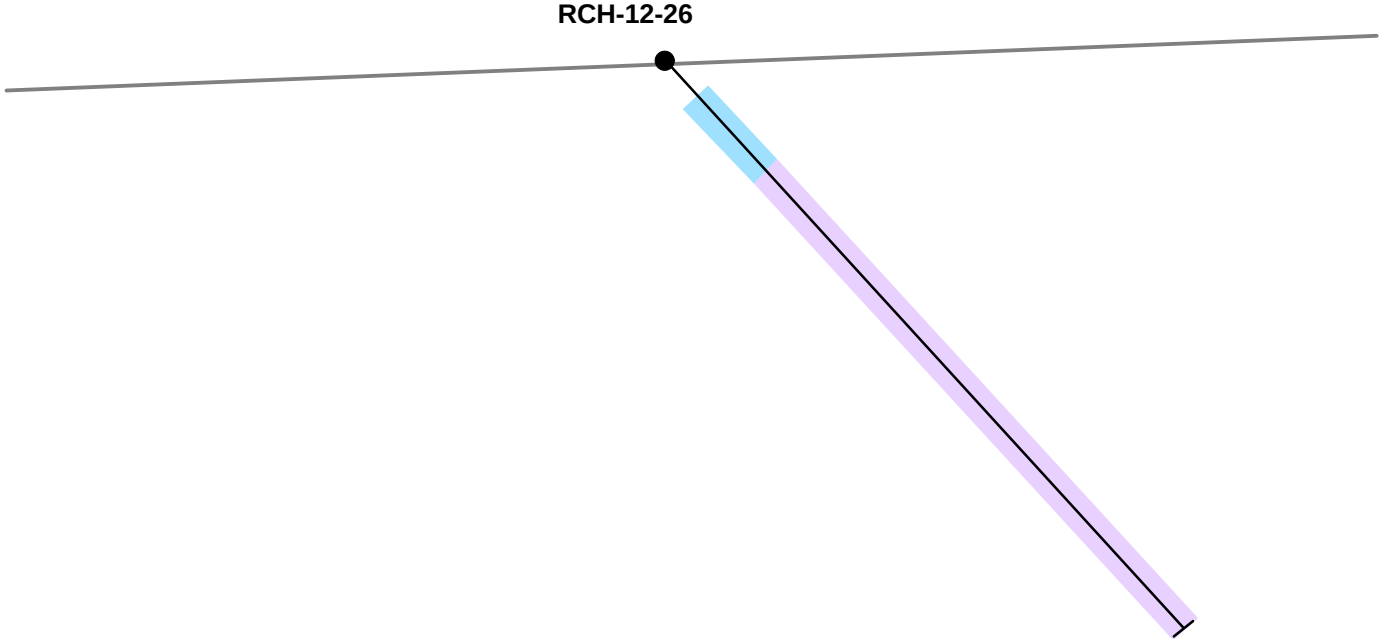
0.440 g/t Au over 1.52 m

UM	Serpentine-rich ultramafic
FLR	Oxidised fault rock, variable quartz veining
UB	Talc carbonate altered ultrabasic
PHY	Chlorite phyllite

WOLVERINE MINERALS CORP.
STRATEGIC METALS LTD.

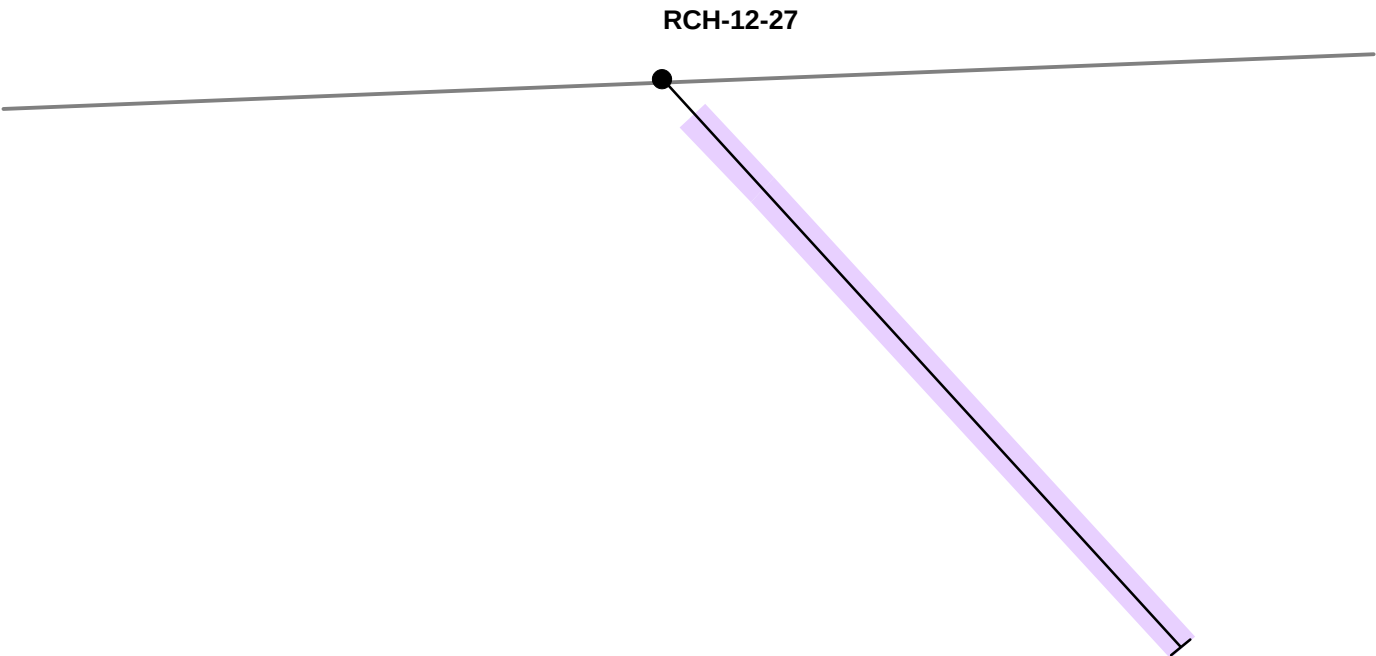
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
SECTION VI
RCH-12-24 and 25
VIVI PROPERTY

FILE: ...2012	DATE: OCTOBER 2012



UM	Serpentine-rich ultramafic
FLR	Oxidised fault rock, variable quartz veining
UB	Talc carbonate altered ultrabasic
PHY	Chlorite phyllite

WOLVERINE MINERALS CORP. STRATEGIC METALS LTD.	
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED SECTION VI RCH-12-26 VIVI PROPERTY	
020 m	
FILE: ...2012	DATE: OCTOBER 2012



UM	Serpentine-rich ultramafic
FLR	Oxidised fault rock, variable quartz veining
UB	Talc carbonate altered ultrabasic
PHY	Chlorite phyllite

WOLVERINE MINERALS CORP. STRATEGIC METALS LTD.	
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APPENDIX IV
CERTIFICATES OF ANALYSIS



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ARCHER, CATHRO AND ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8**

Page: 1
Finalized Date: 3- SEP- 2012
Account: F

CERTIFICATE WH12190726

Project: Vivi

P.O. No.: RCH- 12- 18

This report is for 41 RC Drill Chip samples submitted to our lab in Whitehorse, YT, Canada on 24- AUG- 2012.

The following have access to data associated with this certificate:

DOUG BLANCHFLOWER

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
ATTN: JOAN MARIACHER
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8**

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
 Total # Pages: 3 (A)
 Finalized Date: 3- SEP- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12190726

Sample Description	Method Analyte Units LOR	Au- AA24 Au ppm 0.005
M649654		0.229
M649655		0.189
M649656		0.124
M649657		0.017
M649658		<0.005
M649659		0.019
M649660		0.098
M649661		0.073
M649662		0.027
M649663		0.075
M649664		0.311
M649665		0.204
M649666		0.052
M649667		0.168
M649668		0.034
M649669		0.094
M649670		0.024
M649671		<0.005
M649672		0.010
M649673		0.005
M649674		0.006
M649675		<0.005
M649676		0.759
M649677		0.009
M649678		0.008
M649679		<0.005
M649680		<0.005
M649681		0.029
M649682		0.343
M649683		0.161
M649684		0.008
M649685		0.114
M649686		0.517
M649687		0.481
M649688		<0.005
M649689		0.115
M649690		0.207
M649691		0.694
M649692		0.020
M649693		0.216



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**Page: 3 - A
Total # Pages: 3 (A)
Finalized Date: 3- SEP- 2012
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CERTIFICATE OF ANALYSIS WH12190726

Sample Description	Method Analyte Units LOR	Au- AA24 Au ppm 0.005
M649694		0.143



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CERTIFICATE WH12177270

Project: Vivi
P.O. No.: RCH- 12- 27
This report is for 12 RC Drill Chip samples submitted to our lab in Whitehorse, YT,
Canada on 30- JUL- 2012.

The following have access to data associated with this certificate:

DOUG BLANCHFLOWER

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

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

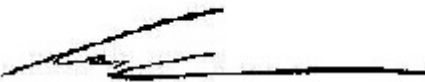
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Au- AA24	Au 50g FA AA finish	AAS

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
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Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
 Total # Pages: 2 (A - C)
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 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177270

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
M650028		1.93	<0.005	<0.2	2.29	<2	<10	50	<0.5	<2	0.24	<0.5	23	204	58	3.39
M650029		1.95	<0.005	<0.2	2.24	2	<10	30	<0.5	<2	0.30	<0.5	24	223	43	3.37
M650030		2.26	<0.005	<0.2	0.03	<2	<10	10	<0.5	<2	19.7	<0.5	1	1	2	0.44
M650031		2.21	<0.005	<0.2	2.23	<2	<10	40	<0.5	<2	0.45	<0.5	21	174	128	3.15
M650032		1.68	<0.005	<0.2	1.95	3	<10	40	<0.5	<2	0.51	<0.5	19	149	109	2.73
M650033		2.73	<0.005	<0.2	2.16	<2	<10	20	<0.5	<2	0.60	<0.5	18	145	69	2.81
M650034		0.08	0.815	6.9	1.33	8480	160	40	<0.5	199	5.68	0.9	69	20	3190	2.98
M650035		2.60	<0.005	<0.2	2.06	5	<10	40	<0.5	<2	0.49	<0.5	19	145	55	2.79
M650036		2.29	<0.005	<0.2	1.95	<2	<10	30	<0.5	<2	0.54	<0.5	18	136	43	2.67
M650037		1.98	<0.005	<0.2	1.88	2	<10	50	<0.5	<2	1.23	<0.5	15	124	76	2.36
M650038		2.43	<0.005	<0.2	1.89	<2	<10	30	<0.5	<2	0.86	<0.5	16	137	115	2.43
M650039		2.77	<0.005	<0.2	2.02	2	<10	30	<0.5	<2	0.50	<0.5	18	179	69	2.62



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**Page: 2 - B
 Total # Pages: 2 (A - C)
 Finalized Date: 15- AUG- 2012
 Account: F**

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177270

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
		ppm 10	ppm 1	% 0.01	ppm 10	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	ppm 2	ppm 1
M650028		10	<1	0.14	<10	3.30	210	<1	0.06	107	160	<2	0.01	<2	5
M650029		10	<1	0.11	<10	3.79	229	<1	0.05	132	160	<2	0.01	<2	4
M650030		<10	<1	0.02	<10	11.90	210	<1	0.02	<1	170	<2	0.01	<2	<1
M650031		10	<1	0.13	<10	2.98	203	<1	0.08	79	200	<2	0.01	<2	5
M650032		10	1	0.10	<10	2.39	210	<1	0.09	72	240	<2	0.01	<2	6
M650033		10	1	0.05	<10	2.61	194	<1	0.08	68	200	<2	0.01	<2	6
M650034		<10	1	0.10	40	0.07	289	8	0.23	34	890	30	1.40	21	1
M650035		10	<1	0.13	<10	2.58	204	<1	0.10	65	190	<2	0.01	<2	6
M650036		10	<1	0.06	<10	2.37	207	<1	0.09	59	190	<2	<0.01	<2	6
M650037		<10	<1	0.09	<10	1.86	243	<1	0.13	51	200	<2	0.01	<2	8
M650038		10	<1	0.04	<10	2.03	216	<1	0.10	57	180	<2	0.02	<2	7
M650039		10	<1	0.08	<10	2.60	198	<1	0.09	79	150	<2	0.01	<2	5



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Page: 2 - C
 Total # Pages: 2 (A - C)
 Finalized Date: 15- AUG- 2012
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Project: Vivi

CERTIFICATE OF ANALYSIS WH12177270

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
M650028		<20	0.06	<10	<10	96	<10	39
M650029		<20	0.06	<10	<10	86	<10	38
M650030		<20	<0.01	<10	10	2	<10	11
M650031		<20	0.07	<10	<10	91	<10	38
M650032		<20	0.07	<10	<10	79	<10	33
M650033		<20	0.06	<10	<10	78	<10	34
M650034		<20	0.05	<10	<10	7	30	95
M650035		<20	0.07	<10	<10	82	<10	34
M650036		<20	0.07	<10	<10	75	<10	32
M650037		<20	0.09	<10	<10	76	<10	26
M650038		<20	0.07	<10	<10	73	<10	28
M650039		<20	0.06	<10	<10	72	<10	31



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CERTIFICATE WH12177229

Project: Vivi
P.O. No.: RCH- 12- 26
This report is for 42 RC Drill Chip samples submitted to our lab in Whitehorse, YT,
Canada on 30- JUL- 2012.

The following have access to data associated with this certificate:

DOUG BLANCHFLOWER

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
LOG- 24	Pulp Login - Rcd w/ o Barcode
CRU- QC	Crushing QC Test
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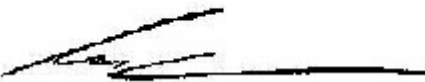
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
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Au- AA24	Au 50g FA AA finish	AAS

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Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
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CERTIFICATE OF ANALYSIS WH12177229

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
M649986		1.51	<0.005	<0.2	1.36	4	<10	120	<0.5	2	0.30	<0.5	15	193	103	2.13
M649987		1.53	<0.005	0.2	2.81	6	<10	90	<0.5	<2	0.18	<0.5	26	438	70	3.30
M649988		0.88	<0.005	<0.2	3.12	44	<10	10	<0.5	2	0.25	<0.5	29	751	4	2.71
M649989		1.86	<0.005	<0.2	3.35	115	<10	10	<0.5	<2	0.19	<0.5	36	772	18	3.16
M649990		2.02	<0.005	<0.2	2.16	327	<10	30	<0.5	2	1.42	<0.5	61	1090	102	3.25
M649991		1.61	<0.005	<0.2	2.52	10	<10	10	<0.5	<2	2.67	<0.5	40	545	62	3.70
M649992		0.11	0.816	7.0	1.34	8680	170	20	<0.5	205	5.26	1.0	70	20	3340	2.96
M649993		2.00	<0.005	<0.2	1.11	10	<10	<10	<0.5	<2	1.33	<0.5	51	967	38	3.27
M649994		2.56	<0.005	<0.2	0.97	55	<10	<10	<0.5	<2	0.92	<0.5	48	833	30	3.35
M649995		2.39	<0.005	<0.2	0.26	40	<10	<10	<0.5	<2	0.23	<0.5	44	706	38	3.20
M649996		2.64	<0.005	<0.2	0.43	24	<10	10	<0.5	<2	0.27	<0.5	44	955	32	3.06
M649997		2.36	<0.005	<0.2	1.49	6	<10	<10	<0.5	<2	1.19	<0.5	53	791	27	3.27
M649998		1.23	<0.005	<0.2	0.05	<2	<10	40	<0.5	<2	18.7	<0.5	2	8	<1	0.48
M649999		2.54	<0.005	<0.2	0.46	9	<10	<10	<0.5	<2	0.70	<0.5	45	950	29	3.21
M650000		2.40	<0.005	<0.2	1.61	15	<10	<10	<0.5	<2	2.08	<0.5	37	569	19	3.20
M650001		2.59	<0.005	<0.2	0.96	8	<10	<10	<0.5	<2	0.36	<0.5	46	559	27	3.55
M650002		2.12	<0.005	<0.2	0.35	5	<10	<10	<0.5	<2	0.39	<0.5	60	517	32	3.60
M650003		1.95	<0.005	<0.2	0.69	4	<10	<10	<0.5	<2	0.66	<0.5	56	597	26	3.62
M650004		3.01	<0.005	<0.2	0.43	3	<10	<10	<0.5	<2	0.22	<0.5	56	606	23	3.36
M650005		2.54	<0.005	<0.2	0.42	2	<10	100	<0.5	<2	0.36	<0.5	53	713	33	3.60
M650006		2.42	<0.005	<0.2	1.21	2	<10	40	<0.5	<2	1.53	<0.5	50	586	42	4.14
M650007		2.33	<0.005	<0.2	0.90	4	<10	<10	<0.5	2	0.73	<0.5	52	612	53	4.28
M650008		2.15	<0.005	<0.2	0.54	4	<10	<10	<0.5	<2	0.69	<0.5	53	735	34	3.97
M650009		2.16	0.008	<0.2	0.96	<2	<10	<10	<0.5	<2	1.79	<0.5	49	770	166	3.61
M650010		0.23	1.320	28.2	0.95	528	<10	440	<0.5	2	0.28	31.0	6	12	139	5.50
M650011		2.20	<0.005	<0.2	1.63	<2	<10	<10	<0.5	<2	3.00	<0.5	21	511	49	2.97
M650012		2.81	<0.005	<0.2	1.16	<2	<10	<10	<0.5	<2	2.61	<0.5	29	751	10	2.60
M650013		2.79	<0.005	<0.2	0.51	2	<10	<10	<0.5	2	0.66	<0.5	38	638	7	3.61
M650014		2.78	<0.005	<0.2	0.44	<2	<10	<10	<0.5	2	0.25	<0.5	39	746	2	3.62
M650015		2.31	<0.005	<0.2	2.31	<2	<10	<10	<0.5	<2	0.79	<0.5	34	334	<1	3.63
M650016		2.42	<0.005	<0.2	0.48	<2	<10	<10	<0.5	2	0.62	<0.5	44	751	6	3.36
M650017		2.37	<0.005	<0.2	0.16	<2	<10	<10	<0.5	<2	0.84	<0.5	39	685	13	3.47
M650018		2.55	<0.005	<0.2	0.13	3	<10	<10	<0.5	<2	0.42	<0.5	47	837	6	3.58
M650019		2.44	<0.005	<0.2	0.11	8	<10	<10	<0.5	<2	0.59	<0.5	43	676	5	3.42
M650020		1.21	<0.005	<0.2	0.04	<2	<10	10	<0.5	<2	17.7	<0.5	2	8	<1	0.43
M650021		3.17	<0.005	<0.2	0.11	4	<10	<10	<0.5	<2	0.18	<0.5	44	583	13	3.33
M650022		2.36	<0.005	<0.2	0.09	3	<10	<10	<0.5	<2	0.15	<0.5	39	448	7	3.26
M650023		1.65	<0.005	<0.2	0.13	5	<10	<10	<0.5	<2	0.28	<0.5	40	391	8	3.37
M650024		2.38	<0.005	<0.2	0.11	4	<10	<10	<0.5	<2	0.28	<0.5	40	443	9	3.60
M650025		2.59	<0.005	<0.2	0.10	<2	<10	<10	<0.5	<2	0.31	<0.5	42	497	1	3.53



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Page: 2 - B
Total # Pages: 3 (A - C)
Finalized Date: 18- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177229

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649986		<10	<1	0.29	<10	1.78	204	<1	0.05	73	90	<2	0.01	<2	5	2
M649987		10	<1	0.18	<10	3.92	427	<1	0.02	267	100	<2	<0.01	<2	6	2
M649988		10	<1	<0.01	<10	5.18	346	<1	<0.01	502	40	<2	<0.01	<2	3	<1
M649989		10	<1	<0.01	<10	6.02	273	<1	<0.01	560	40	<2	<0.01	<2	3	<1
M649990		<10	1	<0.01	<10	5.11	612	<1	<0.01	1180	30	2	0.13	<2	9	13
M649991		<10	<1	0.01	<10	6.84	719	<1	<0.01	611	20	<2	0.24	<2	18	28
M649992		<10	<1	0.06	50	0.06	285	7	0.22	32	950	31	1.44	26	1	90
M649993		<10	<1	<0.01	<10	7.33	698	<1	<0.01	994	<10	<2	0.24	<2	8	17
M649994		<10	<1	<0.01	<10	8.88	693	<1	<0.01	840	<10	<2	0.09	<2	8	12
M649995		<10	<1	<0.01	<10	8.82	634	<1	<0.01	873	<10	<2	0.07	<2	5	1
M649996		<10	<1	<0.01	<10	8.43	542	<1	<0.01	859	<10	<2	0.05	<2	5	2
M649997		<10	<1	<0.01	<10	9.20	630	<1	<0.01	928	10	<2	0.17	<2	9	17
M649998		<10	1	0.02	<10	12.05	229	<1	0.01	5	220	<2	0.01	4	1	50
M649999		<10	<1	<0.01	<10	8.75	647	<1	<0.01	768	<10	<2	0.11	<2	6	8
M650000		<10	<1	<0.01	<10	9.08	709	<1	<0.01	633	<10	<2	0.04	<2	11	30
M650001		<10	<1	<0.01	<10	9.75	693	<1	<0.01	850	<10	<2	0.11	<2	10	3
M650002		<10	<1	<0.01	<10	9.97	723	<1	<0.01	1330	<10	<2	0.28	<2	5	3
M650003		<10	<1	<0.01	<10	9.52	743	<1	<0.01	1090	<10	<2	0.29	<2	8	6
M650004		<10	<1	<0.01	<10	9.11	616	<1	<0.01	1170	<10	<2	0.30	<2	6	1
M650005		<10	<1	<0.01	<10	9.56	777	<1	<0.01	1000	<10	<2	0.23	<2	8	4
M650006		<10	<1	<0.01	<10	8.75	935	<1	<0.01	841	30	<2	0.19	<2	11	19
M650007		<10	<1	<0.01	<10	8.89	722	<1	<0.01	881	<10	<2	0.15	<2	9	8
M650008		<10	<1	<0.01	<10	9.74	849	<1	<0.01	912	<10	<2	0.17	<2	8	7
M650009		<10	<1	<0.01	<10	7.63	730	<1	<0.01	824	<10	<2	0.12	<2	9	17
M650010		<10	5	0.36	10	0.09	1055	4	0.01	3	1280	2960	0.37	19	4	128
M650011		<10	1	<0.01	<10	5.37	674	<1	<0.01	299	10	2	0.02	<2	10	32
M650012		<10	<1	<0.01	<10	5.45	677	<1	<0.01	537	<10	<2	0.04	<2	5	28
M650013		<10	<1	<0.01	<10	9.52	960	<1	<0.01	542	<10	<2	0.04	<2	7	5
M650014		<10	<1	<0.01	<10	9.70	891	<1	<0.01	521	<10	<2	0.03	<2	7	2
M650015		<10	<1	<0.01	<10	8.38	760	<1	<0.01	410	<10	<2	0.03	<2	16	10
M650016		<10	<1	<0.01	<10	10.35	701	<1	<0.01	663	<10	<2	0.08	<2	7	6
M650017		<10	<1	<0.01	<10	10.55	642	<1	<0.01	549	<10	<2	0.02	<2	5	11
M650018		<10	<1	<0.01	<10	10.65	581	<1	<0.01	630	<10	<2	0.04	<2	5	5
M650019		<10	<1	<0.01	<10	10.70	687	<1	<0.01	575	<10	<2	0.03	<2	5	14
M650020		<10	<1	0.02	<10	11.45	200	<1	0.01	5	180	<2	0.02	4	<1	46
M650021		<10	<1	<0.01	<10	11.05	580	<1	<0.01	541	<10	2	0.01	<2	5	1
M650022		<10	<1	<0.01	<10	11.25	772	<1	<0.01	446	<10	2	0.01	<2	5	1
M650023		<10	<1	<0.01	<10	11.50	708	<1	<0.01	467	<10	<2	<0.01	<2	4	3
M650024		<10	1	<0.01	<10	11.90	795	<1	<0.01	472	<10	<2	<0.01	<2	6	3
M650025		<10	<1	<0.01	<10	11.80	646	<1	<0.01	462	<10	<2	0.01	<2	5	3



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Page: 2 - C
 Total # Pages: 3 (A - C)
 Finalized Date: 18- AUG- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177229

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
M649986		<20	0.07	<10	<10	77	<10	36
M649987		<20	0.05	<10	<10	87	<10	42
M649988		<20	0.02	<10	<10	53	<10	32
M649989		<20	0.01	<10	<10	72	<10	28
M649990		<20	0.01	<10	<10	55	<10	16
M649991		<20	0.01	<10	<10	71	<10	20
M649992		<20	0.04	<10	<10	7	30	100
M649993		<20	<0.01	<10	<10	37	<10	13
M649994		<20	<0.01	<10	<10	28	<10	12
M649995		<20	<0.01	<10	<10	12	<10	8
M649996		<20	<0.01	<10	<10	19	<10	8
M649997		<20	<0.01	<10	<10	33	<10	12
M649998		<20	<0.01	<10	<10	2	<10	12
M649999		<20	<0.01	<10	<10	19	<10	9
M650000		<20	<0.01	<10	<10	34	<10	13
M650001		<20	<0.01	<10	<10	29	<10	8
M650002		<20	<0.01	<10	<10	18	<10	6
M650003		<20	<0.01	<10	<10	27	<10	9
M650004		<20	<0.01	<10	<10	25	<10	7
M650005		<20	<0.01	<10	<10	26	<10	8
M650006		<20	0.01	<10	<10	80	<10	13
M650007		<20	<0.01	<10	<10	68	<10	11
M650008		<20	<0.01	<10	<10	50	<10	10
M650009		<20	<0.01	<10	<10	61	<10	10
M650010		<20	<0.01	<10	<10	54	<10	2180
M650011		<20	0.01	<10	<10	63	<10	10
M650012		<20	<0.01	<10	<10	44	<10	8
M650013		<20	<0.01	<10	<10	38	<10	8
M650014		<20	<0.01	<10	<10	38	<10	8
M650015		<20	<0.01	<10	<10	68	<10	18
M650016		<20	<0.01	<10	<10	31	<10	6
M650017		<20	<0.01	<10	<10	18	<10	5
M650018		<20	<0.01	<10	<10	21	<10	6
M650019		<20	<0.01	<10	<10	20	<10	6
M650020		<20	<0.01	<10	<10	2	<10	12
M650021		<20	<0.01	<10	<10	18	<10	8
M650022		<20	<0.01	<10	<10	14	<10	10
M650023		<20	<0.01	<10	<10	12	<10	8
M650024		<20	<0.01	<10	<10	13	<10	9
M650025		<20	<0.01	<10	<10	16	<10	8



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**Page: 3 - A
 Total # Pages: 3 (A - C)
 Finalized Date: 18- AUG- 2012
 Account: F**

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177229

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA24 Au ppm 0.005	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
M650026		2.47	<0.005	<0.2	0.20	5	<10	<10	<0.5	<2	0.31	<0.5	50	594	7	3.85
M650027		2.18	0.009	<0.2	0.16	4	<10	<10	<0.5	<2	0.26	<0.5	47	584	4	3.70



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Page: 3 - B
Total # Pages: 3 (A - C)
Finalized Date: 18- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177229

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm 10	ppm 1	% 0.01	ppm 10	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	ppm 2	ppm 1	ppm 1
M650026		<10	1	<0.01	<10	12.00	807	<1	<0.01	642	<10	<2	0.04	<2	5	4
M650027		<10	<1	<0.01	<10	12.10	697	<1	<0.01	573	<10	<2	0.03	<2	5	3



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**Page: 3 - C
 Total # Pages: 3 (A - C)
 Finalized Date: 18- AUG- 2012
 Account: F**

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177229

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
M650026		<20	<0.01	<10	<10	22	<10	9
M650027		<20	<0.01	<10	<10	19	<10	9



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Page: 1
Finalized Date: 18- AUG- 2012
Account: F

CERTIFICATE WH12177228

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P.O. No.: RCH- 12- 25

This report is for 42 RC Drill Chip samples submitted to our lab in Whitehorse, YT, Canada on 30- JUL- 2012.

The following have access to data associated with this certificate:

DOUG BLANCHFLOWER

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

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

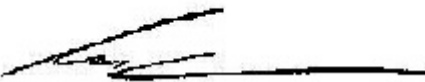
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Au- AA24	Au 50g FA AA finish	AAS

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 3 (A - C)
Finalized Date: 18- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177228

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
M649944		1.46	<0.005	<0.2	0.60	5	<10	10	<0.5	<2	0.05	<0.5	51	879	40	2.85
M649945		2.29	<0.005	<0.2	0.76	14	<10	10	<0.5	<2	0.22	<0.5	53	910	41	3.14
M649946		1.95	<0.005	<0.2	0.71	19	<10	20	<0.5	<2	0.03	<0.5	57	715	47	2.96
M649947		2.69	<0.005	<0.2	0.57	7	<10	<10	<0.5	<2	0.08	<0.5	50	733	75	2.54
M649948		2.60	0.005	<0.2	1.37	23	<10	10	<0.5	<2	0.08	<0.5	16	449	7	1.23
M649949		2.03	<0.005	<0.2	2.76	4	<10	<10	<0.5	<2	0.11	<0.5	20	440	3	1.85
M649950		1.93	<0.005	<0.2	4.78	7	<10	20	<0.5	<2	0.48	<0.5	37	762	54	4.49
M649951		2.45	<0.005	0.3	5.85	<2	<10	50	<0.5	2	1.90	<0.5	28	26	398	5.50
M649952		1.60	<0.005	<0.2	0.07	<2	<10	10	<0.5	<2	19.5	<0.5	2	6	7	0.49
M649953		2.32	<0.005	<0.2	4.22	<2	<10	60	<0.5	2	1.18	<0.5	26	9	168	4.98
M649954		2.54	0.118	<0.2	3.23	7	<10	30	<0.5	2	0.52	<0.5	26	346	28	3.48
M649955		2.37	<0.005	0.2	3.54	17	<10	70	<0.5	3	0.51	<0.5	33	151	177	5.14
M649956		1.75	<0.005	<0.2	2.82	17	<10	10	<0.5	3	0.30	<0.5	25	632	6	2.72
M649957		2.17	<0.005	<0.2	3.16	112	<10	40	<0.5	2	0.16	<0.5	35	345	57	3.90
M649958		1.89	<0.005	0.2	2.21	14	<10	30	<0.5	3	0.18	<0.5	24	79	204	3.41
M649959		1.95	<0.005	2.2	5.44	23	<10	30	<0.5	3	0.16	<0.5	76	24	1270	8.45
M649960		2.05	<0.005	0.3	3.25	7	<10	30	<0.5	3	0.34	<0.5	32	28	159	5.17
M649961		1.97	<0.005	<0.2	3.31	40	<10	40	<0.5	3	0.17	<0.5	32	260	57	4.15
M649962		1.90	<0.005	<0.2	0.06	2	<10	20	<0.5	<2	18.6	<0.5	1	2	1	0.44
M649963		2.03	<0.005	<0.2	3.14	51	<10	10	<0.5	2	0.41	<0.5	27	536	18	2.84
M649964		1.59	<0.005	<0.2	3.06	16	<10	30	<0.5	2	0.10	<0.5	23	182	18	3.35
M649965		1.66	<0.005	<0.2	4.37	20	<10	60	<0.5	3	0.06	<0.5	33	40	115	6.20
M649966		2.02	<0.005	<0.2	3.05	11	<10	30	<0.5	2	0.13	<0.5	24	306	57	3.32
M649967		2.28	0.027	<0.2	3.33	107	<10	10	<0.5	3	0.16	<0.5	33	554	13	2.91
M649968		1.22	<0.005	<0.2	5.26	10	<10	10	<0.5	3	0.07	<0.5	30	103	7	4.12
M649969		1.73	<0.005	<0.2	2.27	125	<10	<10	<0.5	2	0.32	<0.5	29	970	17	2.05
M649970		2.40	<0.005	<0.2	4.19	10	<10	<10	<0.5	3	0.24	<0.5	29	335	26	3.86
M649971		2.18	<0.005	<0.2	1.56	78	<10	10	<0.5	2	1.18	<0.5	31	536	74	1.94
M649972		0.24	1.415	30.3	0.89	507	<10	460	<0.5	3	0.27	29.1	5	11	131	5.31
M649973		1.72	<0.005	<0.2	1.51	68	<10	10	<0.5	2	2.71	<0.5	43	846	95	2.80
M649974		1.74	<0.005	0.2	1.15	53	<10	<10	<0.5	2	2.46	<0.5	46	1135	57	2.91
M649975		1.76	<0.005	0.2	2.34	41	<10	10	<0.5	2	2.49	<0.5	37	737	32	3.03
M649976		1.66	<0.005	<0.2	1.09	13	<10	<10	<0.5	<2	1.84	<0.5	70	1375	67	3.94
M649977		0.08	0.687	7.1	1.35	8780	180	30	<0.5	202	5.44	1.0	70	21	3310	3.03
M649978		1.47	<0.005	<0.2	0.83	147	<10	20	<0.5	2	2.02	<0.5	63	1280	49	3.67
M649979		1.72	<0.005	<0.2	3.79	64	<10	10	<0.5	2	1.55	<0.5	49	625	40	4.25
M649980		1.44	<0.005	<0.2	1.44	23	<10	<10	<0.5	2	4.24	<0.5	39	797	27	2.47
M649981		1.53	<0.005	<0.2	1.02	8	<10	<10	<0.5	2	3.21	<0.5	71	1145	48	3.15
M649982		2.33	<0.005	<0.2	1.08	16	<10	<10	<0.5	3	4.63	<0.5	42	754	39	2.80
M649983		2.42	<0.005	<0.2	1.02	27	<10	<10	<0.5	2	4.51	<0.5	35	658	27	2.81



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Page: 2 - B
Total # Pages: 3 (A - C)
Finalized Date: 18- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177228

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649944		<10	<1	<0.01	<10	2.22	475	<1	<0.01	1045	20	<2	0.03	<2	4	1
M649945		<10	<1	<0.01	<10	2.91	473	<1	<0.01	1105	30	<2	0.01	<2	6	2
M649946		<10	<1	<0.01	<10	3.46	358	<1	<0.01	1260	30	<2	0.17	<2	4	1
M649947		<10	<1	<0.01	<10	2.43	219	<1	<0.01	1140	20	<2	0.23	<2	4	1
M649948		<10	<1	<0.01	<10	3.09	214	<1	<0.01	382	40	<2	<0.01	<2	2	1
M649949		<10	<1	<0.01	<10	4.94	247	<1	<0.01	353	90	<2	<0.01	<2	2	<1
M649950		10	<1	0.01	<10	5.60	623	<1	0.02	503	50	<2	<0.01	<2	11	8
M649951		10	<1	0.03	<10	2.95	586	<1	0.28	45	60	3	0.02	<2	16	55
M649952		<10	1	0.02	<10	12.15	206	<1	0.01	7	170	<2	<0.01	<2	<1	45
M649953		10	<1	0.02	<10	2.58	548	<1	0.22	33	30	4	0.02	<2	13	44
M649954		10	<1	0.01	<10	3.14	381	<1	0.11	283	30	<2	<0.01	<2	5	14
M649955		10	<1	0.03	<10	2.94	511	<1	0.09	139	30	<2	0.04	<2	15	14
M649956		<10	<1	<0.01	<10	4.21	338	<1	0.01	370	20	<2	<0.01	<2	2	1
M649957		10	<1	0.03	<10	3.79	309	<1	0.02	257	20	<2	<0.01	<2	9	2
M649958		10	<1	0.03	<10	2.31	326	<1	0.05	72	60	<2	0.01	<2	9	3
M649959		10	1	0.02	<10	5.02	774	1	0.03	109	30	<2	0.09	<2	17	2
M649960		10	<1	0.03	<10	2.97	487	<1	0.06	52	30	<2	0.02	<2	10	4
M649961		10	1	0.07	<10	4.04	315	<1	0.03	195	30	<2	<0.01	<2	15	1
M649962		<10	<1	0.03	<10	12.10	199	<1	0.02	1	150	<2	0.02	<2	<1	46
M649963		<10	<1	<0.01	<10	4.81	282	<1	0.01	347	40	<2	<0.01	<2	2	1
M649964		10	<1	0.07	<10	4.04	231	<1	0.03	154	40	<2	<0.01	<2	14	1
M649965		10	1	0.10	<10	4.42	451	<1	0.04	68	30	<2	<0.01	<2	29	1
M649966		10	1	0.05	<10	4.14	244	<1	0.02	230	60	<2	<0.01	<2	12	1
M649967		10	1	<0.01	<10	5.21	300	<1	0.01	441	50	<2	<0.01	<2	3	1
M649968		10	<1	0.01	<10	7.51	516	<1	0.01	134	10	<2	<0.01	<2	18	1
M649969		<10	<1	<0.01	<10	4.34	217	<1	0.01	619	40	<2	<0.01	<2	3	1
M649970		10	<1	<0.01	<10	7.21	336	<1	0.01	364	100	<2	0.05	<2	12	1
M649971		<10	<1	0.01	<10	4.16	278	<1	0.01	687	50	<2	0.12	<2	5	12
M649972		<10	5	0.37	10	0.09	983	5	0.02	6	1170	2630	0.36	17	4	128
M649973		<10	<1	<0.01	<10	5.07	724	<1	0.01	866	30	2	0.28	<2	9	21
M649974		<10	<1	<0.01	<10	4.26	547	<1	0.01	892	10	<2	0.28	<2	8	30
M649975		<10	<1	<0.01	<10	6.71	627	<1	0.01	610	10	<2	0.14	<2	16	20
M649976		<10	<1	<0.01	<10	8.13	807	<1	0.01	1600	<10	<2	0.44	<2	7	19
M649977		<10	<1	0.07	50	0.07	285	8	0.24	35	920	29	1.41	23	1	94
M649978		<10	<1	<0.01	<10	5.83	779	<1	0.01	1280	10	<2	0.13	<2	6	13
M649979		<10	<1	<0.01	<10	8.57	516	<1	0.01	911	10	<2	0.13	<2	20	11
M649980		<10	1	<0.01	<10	5.75	877	<1	0.01	772	<10	<2	0.26	<2	9	28
M649981		<10	1	<0.01	<10	4.59	652	<1	0.01	1435	<10	<2	0.79	<2	7	23
M649982		<10	<1	<0.01	<10	5.30	815	<1	0.01	887	10	<2	0.38	<2	10	30
M649983		<10	<1	<0.01	<10	4.91	814	<1	0.01	634	10	2	0.17	<2	10	31



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Page: 2 - C
 Total # Pages: 3 (A - C)
 Finalized Date: 18- AUG- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177228

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
M649944		<20	0.01	<10	<10	30	<10	20
M649945		<20	0.01	<10	<10	35	<10	20
M649946		<20	<0.01	<10	<10	24	<10	19
M649947		<20	<0.01	<10	<10	13	<10	12
M649948		<20	0.01	<10	<10	11	<10	16
M649949		<20	0.02	<10	<10	16	<10	28
M649950		<20	0.03	<10	<10	187	<10	51
M649951		<20	0.07	<10	<10	340	<10	57
M649952		<20	<0.01	<10	<10	3	<10	13
M649953		<20	0.05	<10	<10	255	<10	66
M649954		<20	0.02	<10	<10	104	<10	45
M649955		<20	0.05	<10	<10	285	<10	60
M649956		<20	0.01	<10	<10	36	<10	36
M649957		<20	0.03	<10	<10	256	<10	42
M649958		<20	0.02	<10	<10	77	<10	38
M649959		<20	0.03	<10	<10	251	<10	95
M649960		<20	0.04	<10	<10	235	<10	56
M649961		<20	0.03	<10	<10	260	<10	45
M649962		<20	<0.01	<10	<10	3	<10	14
M649963		<20	0.02	<10	<10	100	<10	33
M649964		<20	0.04	<10	<10	419	<10	37
M649965		<20	0.04	<10	<10	298	<10	60
M649966		<20	0.02	<10	<10	123	<10	38
M649967		<20	0.02	<10	<10	70	<10	35
M649968		<20	0.02	<10	<10	111	<10	44
M649969		<20	0.01	<10	<10	46	<10	23
M649970		<20	0.03	<10	<10	129	<10	38
M649971		<20	0.01	<10	<10	40	<10	15
M649972		<20	<0.01	<10	<10	52	<10	2130
M649973		<20	0.01	<10	<10	49	<10	16
M649974		<20	<0.01	<10	<10	45	<10	12
M649975		<20	0.01	<10	<10	60	<10	18
M649976		<20	<0.01	<10	<10	41	<10	20
M649977		<20	0.05	<10	<10	7	30	105
M649978		<20	<0.01	<10	<10	44	<10	17
M649979		<20	0.01	<10	<10	84	<10	25
M649980		<20	<0.01	<10	<10	39	<10	11
M649981		<20	<0.01	<10	<10	53	<10	10
M649982		<20	<0.01	<10	<10	44	<10	10
M649983		<20	0.01	<10	<10	70	<10	12



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**Page: 3 - A
 Total # Pages: 3 (A - C)
 Finalized Date: 18- AUG- 2012
 Account: F**

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177228

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA24 Au ppm 0.005	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
M649984		2.03	<0.005	<0.2	3.77	13	<10	<10	<0.5	2	3.87	<0.5	42	385	15	3.80
M649985		2.17	<0.005	<0.2	5.36	6	<10	<10	<0.5	3	2.10	<0.5	47	44	132	8.60



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Page: 3 - B
Total # Pages: 3 (A - C)
Finalized Date: 18- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177228

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649984		10	1	<0.01	<10	8.69	500	<1	0.01	531	<10	<2	0.14	<2	26	39
M649985		<10	1	<0.01	<10	9.32	789	<1	0.01	87	10	<2	0.48	<2	41	12



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**Page: 3 - C
 Total # Pages: 3 (A - C)
 Finalized Date: 18- AUG- 2012
 Account: F**

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177228

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
M649984		<20	0.02	<10	<10	173	<10	25
M649985		<20	0.04	<10	<10	439	<10	41



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Page: 1
Finalized Date: 15- AUG- 2012
Account: F

CERTIFICATE WH12177227

Project: Vivi
P.O. No.: RCH- 12- 24
This report is for 42 RC Drill Chip samples submitted to our lab in Whitehorse, YT,
Canada on 30- JUL- 2012.

The following have access to data associated with this certificate:

DOUG BLANCHFLOWER

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

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

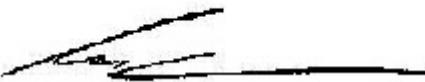
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Au- AA24	Au 50g FA AA finish	AAS

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 3 (A - C)
Finalized Date: 15- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177227

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
M649902		2.59	0.037	<0.2	0.12	5	<10	<10	<0.5	<2	0.53	<0.5	38	837	1	3.71
M649903		1.93	0.005	<0.2	0.09	3	<10	<10	<0.5	<2	0.51	<0.5	36	696	1	2.75
M649904		0.07	0.787	7.2	1.40	8810	180	40	0.5	209	5.65	0.9	72	22	3280	3.10
M649905		2.30	0.014	<0.2	0.08	5	<10	<10	<0.5	<2	0.42	<0.5	34	621	1	2.63
M649906		2.23	0.009	<0.2	0.10	<2	<10	<10	<0.5	<2	0.54	<0.5	32	671	1	2.69
M649907		2.39	0.010	<0.2	0.11	2	<10	<10	<0.5	<2	0.55	<0.5	33	667	<1	2.70
M649908		2.32	0.005	<0.2	0.09	<2	<10	<10	<0.5	<2	0.16	<0.5	31	589	2	2.43
M649909		2.42	0.005	<0.2	0.08	<2	<10	<10	<0.5	<2	0.27	<0.5	34	639	<1	2.61
M649910		2.13	<0.005	<0.2	0.07	2	<10	<10	<0.5	<2	0.48	<0.5	31	601	1	2.57
M649911		2.24	0.008	<0.2	0.08	3	<10	<10	<0.5	<2	0.38	<0.5	33	665	<1	2.73
M649912		2.09	0.013	<0.2	0.06	2	<10	<10	<0.5	<2	0.45	<0.5	33	644	<1	2.70
M649913		2.26	0.044	<0.2	0.05	2	<10	<10	<0.5	<2	1.32	<0.5	33	935	<1	3.11
M649914		2.24	0.012	<0.2	0.04	4	<10	<10	<0.5	<2	1.91	<0.5	31	700	<1	2.67
M649915		1.18	<0.005	<0.2	0.02	<2	<10	10	<0.5	<2	19.6	<0.5	1	7	1	0.46
M649916		2.26	0.082	<0.2	0.05	7	<10	<10	<0.5	<2	0.69	<0.5	32	662	1	2.79
M649917		2.14	0.407	<0.2	0.05	2	<10	<10	<0.5	<2	0.26	<0.5	37	588	1	3.07
M649918		2.56	0.013	<0.2	0.06	4	<10	<10	<0.5	<2	0.26	<0.5	37	439	2	3.27
M649919		2.42	0.028	<0.2	0.05	10	<10	<10	<0.5	<2	0.27	<0.5	33	207	37	3.00
M649920		2.17	0.005	<0.2	0.05	12	<10	<10	<0.5	<2	0.41	<0.5	37	152	10	3.22
M649921		2.30	0.112	<0.2	0.03	9	40	<10	<0.5	<2	0.63	<0.5	36	303	9	2.59
M649922		1.77	0.052	<0.2	0.03	7	60	<10	<0.5	<2	0.37	<0.5	43	414	3	2.37
M649923		2.32	0.133	<0.2	0.04	7	20	<10	<0.5	<2	0.79	<0.5	38	474	4	2.36
M649924		2.44	0.162	<0.2	0.07	15	<10	<10	<0.5	<2	0.24	<0.5	38	376	4	2.91
M649925		2.34	0.036	<0.2	0.09	6	<10	<10	<0.5	<2	0.41	<0.5	36	609	7	3.14
M649926		2.63	0.031	<0.2	0.06	6	<10	<10	<0.5	<2	0.13	<0.5	43	665	4	2.90
M649927		4.49	0.440	<0.2	0.07	28	<10	<10	<0.5	<2	0.32	<0.5	38	376	5	2.87
M649928		2.01	0.018	<0.2	0.06	5	<10	<10	<0.5	<2	0.28	<0.5	41	574	3	2.66
M649929		2.10	0.160	<0.2	0.06	7	<10	<10	<0.5	<2	0.61	<0.5	38	590	2	2.88
M649930		2.62	0.022	<0.2	0.04	2	<10	<10	<0.5	<2	0.66	<0.5	39	689	1	3.01
M649931		2.64	0.149	<0.2	0.05	4	<10	<10	<0.5	<2	0.31	<0.5	37	450	1	3.01
M649932		2.54	0.031	<0.2	0.06	<2	<10	<10	<0.5	<2	0.18	<0.5	36	535	<1	2.75
M649933		0.23	1.370	29.7	0.86	492	<10	470	<0.5	<2	0.26	29.9	5	12	130	5.34
M649934		2.84	0.019	<0.2	0.08	2	<10	<10	<0.5	<2	0.28	<0.5	31	520	<1	2.58
M649935		3.33	0.005	<0.2	0.07	2	<10	<10	<0.5	<2	0.34	<0.5	31	457	<1	2.30
M649936		3.32	0.025	<0.2	0.07	<2	<10	<10	<0.5	<2	1.26	<0.5	31	550	1	2.46
M649937		1.22	<0.005	<0.2	0.02	2	<10	10	<0.5	<2	19.0	<0.5	1	9	<1	0.45
M649938		1.98	0.033	<0.2	0.09	<2	<10	<10	<0.5	<2	1.02	<0.5	34	602	<1	2.69
M649939		3.88	0.009	<0.2	0.09	5	<10	<10	<0.5	<2	0.54	<0.5	40	647	<1	3.06
M649940		3.55	0.016	<0.2	0.09	4	<10	<10	<0.5	<2	0.69	<0.5	41	782	1	3.71
M649941		4.97	0.026	<0.2	0.09	2	<10	<10	<0.5	<2	0.94	<0.5	42	652	<1	3.10



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Page: 2 - B
Total # Pages: 3 (A - C)
Finalized Date: 15- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177227

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649902		<10	<1	<0.01	<10	11.40	808	<1	0.01	426	10	<2	<0.01	<2	6	5
M649903		<10	<1	<0.01	<10	11.30	812	<1	0.01	389	<10	<2	<0.01	<2	5	5
M649904		<10	<1	0.10	50	0.09	306	8	0.24	36	940	31	1.41	23	1	98
M649905		<10	<1	<0.01	<10	11.05	771	<1	0.01	368	<10	<2	<0.01	<2	5	4
M649906		<10	<1	<0.01	<10	10.80	745	<1	0.01	353	<10	<2	<0.01	<2	5	6
M649907		<10	<1	<0.01	<10	11.25	856	<1	0.01	386	<10	<2	<0.01	<2	5	6
M649908		<10	<1	<0.01	<10	10.70	654	<1	0.01	315	<10	<2	<0.01	<2	5	1
M649909		<10	<1	<0.01	<10	11.00	773	<1	<0.01	382	<10	<2	<0.01	<2	5	2
M649910		<10	<1	<0.01	<10	10.95	734	<1	0.01	344	<10	<2	<0.01	<2	5	4
M649911		<10	<1	<0.01	<10	11.60	776	<1	0.01	359	<10	<2	<0.01	<2	5	3
M649912		<10	<1	<0.01	<10	11.25	710	<1	0.01	337	<10	<2	<0.01	<2	5	4
M649913		<10	<1	<0.01	<10	10.65	591	<1	0.01	369	<10	<2	<0.01	<2	3	10
M649914		<10	<1	<0.01	<10	11.70	710	<1	0.01	310	<10	<2	<0.01	<2	3	15
M649915		<10	<1	0.01	<10	11.95	217	<1	0.01	5	190	<2	0.02	<2	<1	42
M649916		<10	<1	<0.01	<10	11.55	649	<1	0.01	327	<10	<2	<0.01	<2	4	6
M649917		<10	<1	<0.01	<10	11.80	669	<1	0.01	362	<10	<2	<0.01	<2	5	2
M649918		<10	<1	<0.01	<10	12.40	577	<1	<0.01	367	<10	<2	<0.01	<2	6	2
M649919		<10	<1	<0.01	<10	11.60	458	<1	0.01	331	<10	<2	<0.01	<2	5	2
M649920		<10	<1	<0.01	<10	13.15	541	<1	0.01	487	<10	<2	<0.01	<2	4	4
M649921		<10	<1	<0.01	<10	12.85	626	<1	0.01	410	<10	<2	0.01	<2	3	6
M649922		<10	<1	<0.01	<10	14.10	730	<1	0.01	535	<10	<2	0.02	<2	2	4
M649923		<10	<1	<0.01	<10	12.40	616	<1	0.01	452	<10	<2	0.01	<2	3	8
M649924		<10	<1	<0.01	<10	12.70	578	<1	0.01	431	<10	<2	0.01	<2	4	1
M649925		<10	<1	<0.01	<10	11.80	646	<1	0.01	399	<10	<2	<0.01	<2	7	4
M649926		<10	<1	<0.01	<10	11.05	618	<1	0.01	510	<10	<2	0.03	<2	5	1
M649927		<10	<1	<0.01	<10	11.70	565	<1	0.01	486	<10	<2	<0.01	<2	4	3
M649928		<10	<1	<0.01	<10	11.30	680	<1	<0.01	444	<10	<2	<0.01	<2	5	2
M649929		<10	<1	<0.01	<10	11.55	651	<1	<0.01	381	<10	<2	<0.01	<2	6	5
M649930		<10	<1	<0.01	<10	11.10	507	<1	<0.01	382	<10	<2	<0.01	<2	4	6
M649931		<10	<1	<0.01	<10	11.75	641	<1	<0.01	379	<10	<2	<0.01	<2	3	3
M649932		<10	<1	<0.01	<10	11.80	758	<1	<0.01	323	<10	<2	<0.01	<2	4	1
M649933		<10	5	0.35	10	0.10	1020	4	0.02	4	1180	2610	0.36	22	4	129
M649934		<10	<1	<0.01	<10	10.45	581	<1	<0.01	295	<10	2	<0.01	<2	4	2
M649935		<10	<1	<0.01	<10	10.75	678	<1	<0.01	288	<10	<2	<0.01	<2	4	3
M649936		<10	<1	<0.01	<10	10.85	722	<1	0.01	311	<10	<2	<0.01	<2	5	15
M649937		<10	<1	0.01	<10	11.75	211	<1	0.01	7	140	<2	<0.01	<2	<1	45
M649938		<10	<1	<0.01	<10	11.70	809	<1	<0.01	331	<10	<2	<0.01	<2	5	10
M649939		<10	<1	<0.01	<10	12.95	1050	<1	<0.01	369	<10	<2	<0.01	<2	6	5
M649940		<10	<1	<0.01	<10	12.25	888	<1	<0.01	402	<10	<2	<0.01	<2	5	8
M649941		<10	<1	<0.01	<10	13.30	971	<1	0.01	393	<10	<2	<0.01	<2	5	12



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Page: 2 - C
 Total # Pages: 3 (A - C)
 Finalized Date: 15- AUG- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177227

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
M649902		<20	<0.01	<10	<10	24	<10	9
M649903		<20	<0.01	<10	<10	15	<10	8
M649904		<20	0.05	<10	<10	8	30	102
M649905		<20	<0.01	<10	<10	13	<10	7
M649906		<20	<0.01	<10	<10	14	<10	12
M649907		<20	<0.01	<10	<10	14	<10	8
M649908		<20	<0.01	<10	<10	12	<10	9
M649909		<20	<0.01	<10	<10	12	<10	9
M649910		<20	<0.01	<10	<10	12	<10	12
M649911		<20	<0.01	<10	<10	13	<10	5
M649912		<20	<0.01	<10	<10	11	<10	6
M649913		<20	<0.01	<10	<10	14	<10	4
M649914		<20	<0.01	<10	<10	11	<10	6
M649915		<20	<0.01	<10	10	1	<10	100
M649916		<20	<0.01	<10	<10	12	<10	53
M649917		<20	<0.01	<10	<10	12	<10	26
M649918		<20	<0.01	<10	<10	12	<10	14
M649919		<20	<0.01	<10	<10	6	<10	5
M649920		<20	<0.01	<10	<10	5	<10	10
M649921		<20	<0.01	<10	<10	7	<10	8
M649922		<20	<0.01	<10	<10	6	<10	59
M649923		<20	<0.01	<10	<10	8	<10	7
M649924		<20	<0.01	<10	<10	12	<10	102
M649925		<20	<0.01	<10	<10	16	<10	9
M649926		<20	<0.01	<10	<10	14	<10	7
M649927		<20	<0.01	<10	<10	11	<10	12
M649928		<20	<0.01	<10	<10	13	<10	14
M649929		<20	<0.01	<10	<10	14	<10	6
M649930		<20	<0.01	<10	<10	16	<10	3
M649931		<20	<0.01	<10	<10	15	<10	4
M649932		<20	<0.01	<10	<10	12	<10	6
M649933		<20	<0.01	<10	<10	50	<10	2020
M649934		<20	<0.01	<10	<10	13	<10	8
M649935		<20	<0.01	<10	<10	10	<10	6
M649936		<20	<0.01	<10	<10	10	<10	6
M649937		<20	<0.01	<10	<10	1	<10	16
M649938		<20	<0.01	<10	<10	12	<10	6
M649939		<20	<0.01	<10	<10	13	<10	7
M649940		<20	<0.01	<10	<10	20	<10	8
M649941		<20	<0.01	<10	<10	14	<10	9



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Page: 3 - A
Total # Pages: 3 (A - C)
Finalized Date: 15- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177227

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA24 Au ppm 0.005	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
M649942		5.47	0.017	<0.2	0.08	4	<10	<10	<0.5	<2	0.97	<0.5	42	591	<1	2.83
M649943		3.71	0.007	<0.2	0.08	2	<10	<10	<0.5	<2	0.65	<0.5	42	842	<1	3.58



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**Page: 3 - B
 Total # Pages: 3 (A - C)
 Finalized Date: 15- AUG- 2012
 Account: F**

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177227

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649942		<10	<1	<0.01	<10	13.70	898	<1	0.01	386	<10	<2	<0.01	<2	5	13
M649943		<10	<1	<0.01	<10	12.95	825	<1	<0.01	392	<10	<2	<0.01	<2	5	9



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**Page: 3 - C
 Total # Pages: 3 (A - C)
 Finalized Date: 15- AUG- 2012
 Account: F**

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177227

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
M649942		<20	<0.01	<10	<10	11	<10	4
M649943		<20	<0.01	<10	<10	18	<10	4



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Page: 1
Finalized Date: 18- AUG- 2012
Account: F

CERTIFICATE WH12177226

Project: Vivi

P.O. No.: RCH- 12- 23

This report is for 41 RC Drill Chip samples submitted to our lab in Whitehorse, YT, Canada on 30- JUL- 2012.

The following have access to data associated with this certificate:

DOUG BLANCHFLOWER

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

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

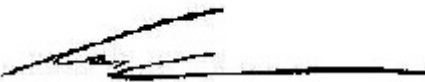
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Au- AA24	Au 50g FA AA finish	AAS

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
ATTN: JOAN MARIACHER
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8**

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 3 (A - C)
Finalized Date: 18- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177226

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
M649861		1.59	0.014	<0.2	0.14	43	<10	<10	<0.5	<2	0.59	<0.5	38	632	4	3.34
M649862		0.82	0.014	<0.2	0.13	43	<10	<10	<0.5	<2	0.74	<0.5	35	342	3	3.06
M649863		1.41	0.050	<0.2	0.11	16	<10	<10	<0.5	<2	0.31	<0.5	47	659	2	3.11
M649864		1.77	0.014	<0.2	0.09	8	<10	<10	<0.5	<2	0.23	<0.5	45	712	<1	2.98
M649865		1.08	0.022	<0.2	0.10	30	<10	<10	<0.5	<2	0.46	<0.5	42	712	3	3.61
M649866		1.33	0.032	<0.2	0.14	30	<10	<10	<0.5	<2	0.74	<0.5	35	596	9	3.49
M649867		1.31	0.080	<0.2	0.17	56	<10	<10	<0.5	<2	0.66	<0.5	36	595	11	3.24
M649868		0.96	<0.005	<0.2	0.04	2	<10	<10	<0.5	<2	19.2	<0.5	1	4	2	0.45
M649869		1.56	0.305	<0.2	0.14	36	<10	<10	<0.5	<2	0.39	<0.5	35	431	3	2.80
M649870		1.49	0.017	<0.2	0.19	59	<10	<10	<0.5	<2	0.87	<0.5	36	492	6	3.03
M649871		2.10	0.014	<0.2	0.12	15	<10	<10	<0.5	<2	0.58	<0.5	33	507	4	2.54
M649872		2.14	0.233	<0.2	0.10	16	<10	<10	<0.5	<2	0.92	<0.5	33	627	1	2.88
M649873		2.20	0.106	<0.2	0.11	40	<10	<10	<0.5	<2	0.46	<0.5	37	782	<1	3.34
M649874		2.35	0.008	<0.2	0.08	11	<10	<10	<0.5	<2	0.49	<0.5	32	534	<1	2.37
M649875		2.15	0.018	<0.2	0.09	30	<10	<10	<0.5	<2	0.53	<0.5	34	674	1	2.93
M649876		0.10	0.812	7.0	1.28	8170	160	10	<0.5	197	5.40	0.9	71	20	3180	2.81
M649877		2.02	0.343	<0.2	0.15	27	<10	<10	<0.5	<2	0.88	<0.5	36	514	2	3.03
M649878		1.86	0.036	<0.2	0.09	9	<10	<10	<0.5	<2	0.31	<0.5	37	656	<1	3.24
M649879		2.01	0.067	<0.2	0.13	18	<10	<10	<0.5	<2	0.45	<0.5	34	438	<1	2.98
M649880		1.71	0.008	<0.2	0.09	4	<10	<10	<0.5	<2	0.54	<0.5	35	577	<1	2.64
M649881		2.57	0.006	<0.2	0.08	3	<10	<10	<0.5	<2	0.42	<0.5	33	639	<1	2.94
M649882		4.81	0.007	<0.2	0.08	4	<10	<10	<0.5	<2	0.43	<0.5	34	679	<1	3.07
M649883		1.81	0.041	<0.2	0.10	12	<10	<10	<0.5	<2	0.47	<0.5	41	730	1	3.45
M649884		1.59	0.257	<0.2	0.11	9	<10	<10	<0.5	<2	0.44	<0.5	40	615	<1	3.64
M649885		3.85	0.022	<0.2	0.10	5	<10	<10	<0.5	<2	0.54	<0.5	43	924	<1	3.50
M649886		0.74	<0.005	<0.2	0.02	<2	<10	10	<0.5	<2	19.4	<0.5	1	7	2	0.43
M649887		3.82	0.174	<0.2	0.11	13	<10	<10	<0.5	<2	0.26	<0.5	43	645	<1	3.76
M649888		2.33	0.006	<0.2	0.10	7	<10	<10	<0.5	<2	0.21	<0.5	45	690	<1	3.55
M649889		3.30	0.402	<0.2	0.12	22	<10	<10	<0.5	<2	0.29	<0.5	46	521	<1	4.27
M649890		4.72	0.359	<0.2	0.10	16	<10	<10	<0.5	<2	0.33	<0.5	47	490	<1	4.22
M649891		3.26	0.228	<0.2	0.11	20	<10	<10	<0.5	<2	0.30	<0.5	40	343	1	3.93
M649892		2.06	0.069	<0.2	0.09	16	<10	<10	<0.5	<2	0.44	<0.5	39	644	1	3.39
M649893		3.51	0.037	<0.2	0.10	11	<10	<10	<0.5	<2	2.20	<0.5	36	732	<1	3.51
M649894		2.41	0.108	<0.2	0.11	18	<10	<10	<0.5	<2	2.05	<0.5	42	705	<1	4.24
M649895		0.23	1.415	29.3	1.00	508	<10	510	<0.5	<2	0.28	29.7	6	12	133	5.65
M649896		2.13	0.215	<0.2	0.13	34	<10	<10	<0.5	<2	1.29	<0.5	44	460	1	4.24
M649897		1.83	0.098	<0.2	0.10	31	<10	<10	<0.5	<2	0.88	<0.5	43	425	<1	4.33
M649898		2.18	0.010	<0.2	0.09	20	<10	<10	<0.5	<2	1.28	<0.5	42	416	1	4.09
M649899		3.77	0.035	<0.2	0.11	30	<10	<10	<0.5	<2	0.71	<0.5	47	404	1	4.62
M649900		4.07	0.317	<0.2	0.09	45	<10	<10	<0.5	<2	0.84	<0.5	44	414	1	3.87



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Page: 2 - B
 Total # Pages: 3 (A - C)
 Finalized Date: 18- AUG- 2012
 Account: F

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CERTIFICATE OF ANALYSIS WH12177226

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649861		<10	<1	<0.01	<10	6.81	1025	<1	<0.01	388	20	2	0.01	<2	7	8
M649862		<10	<1	<0.01	<10	7.64	831	<1	<0.01	324	10	<2	<0.01	<2	8	11
M649863		<10	<1	<0.01	<10	10.30	773	<1	<0.01	500	10	<2	<0.01	<2	6	4
M649864		<10	<1	<0.01	<10	9.89	748	<1	<0.01	436	<10	<2	<0.01	<2	6	2
M649865		<10	<1	<0.01	<10	9.56	730	<1	<0.01	467	10	<2	<0.01	<2	7	6
M649866		<10	<1	<0.01	<10	10.60	823	<1	<0.01	380	<10	<2	0.01	<2	12	13
M649867		<10	<1	<0.01	<10	9.33	782	<1	<0.01	409	10	<2	<0.01	<2	8	11
M649868		<10	<1	0.02	<10	11.75	218	<1	0.01	3	260	<2	0.03	<2	<1	43
M649869		<10	<1	<0.01	<10	10.85	614	<1	<0.01	398	<10	<2	<0.01	<2	6	6
M649870		<10	<1	<0.01	<10	10.55	725	<1	<0.01	416	<10	<2	<0.01	<2	6	15
M649871		<10	<1	<0.01	<10	10.05	571	<1	<0.01	321	<10	<2	<0.01	<2	5	11
M649872		<10	<1	<0.01	<10	10.50	778	<1	<0.01	309	<10	<2	<0.01	<2	6	13
M649873		<10	<1	<0.01	<10	10.60	775	<1	<0.01	384	<10	<2	<0.01	<2	6	6
M649874		<10	<1	<0.01	<10	10.25	741	<1	<0.01	310	10	<2	<0.01	<2	5	7
M649875		<10	<1	<0.01	<10	10.25	803	<1	<0.01	334	<10	<2	0.01	<2	5	9
M649876		<10	1	0.06	50	0.07	283	7	0.21	34	900	28	1.33	21	1	88
M649877		<10	<1	<0.01	<10	11.25	757	<1	<0.01	361	<10	<2	<0.01	<2	5	11
M649878		<10	<1	<0.01	<10	10.95	778	<1	<0.01	335	<10	<2	<0.01	<2	5	4
M649879		<10	<1	<0.01	<10	10.95	695	<1	<0.01	322	<10	<2	<0.01	<2	5	6
M649880		<10	<1	<0.01	<10	11.25	833	<1	<0.01	319	<10	5	<0.01	<2	5	7
M649881		<10	<1	<0.01	<10	10.15	782	<1	<0.01	320	<10	3	<0.01	<2	5	5
M649882		<10	<1	<0.01	<10	10.50	641	<1	<0.01	306	<10	2	<0.01	<2	6	5
M649883		<10	<1	<0.01	<10	13.30	983	<1	<0.01	372	<10	<2	<0.01	<2	6	6
M649884		<10	<1	<0.01	<10	13.20	948	<1	<0.01	363	<10	2	<0.01	<2	5	5
M649885		<10	<1	<0.01	<10	13.40	931	<1	<0.01	425	<10	<2	<0.01	<2	7	7
M649886		<10	<1	0.01	<10	11.95	194	<1	0.01	6	150	2	<0.01	<2	<1	46
M649887		<10	<1	<0.01	<10	14.10	825	<1	<0.01	386	<10	<2	<0.01	<2	6	4
M649888		<10	<1	<0.01	<10	14.20	922	<1	<0.01	379	<10	<2	<0.01	<2	7	2
M649889		<10	<1	<0.01	<10	13.75	811	<1	<0.01	418	<10	<2	<0.01	<2	7	4
M649890		<10	<1	<0.01	<10	15.00	867	<1	<0.01	400	<10	<2	<0.01	<2	6	5
M649891		<10	<1	<0.01	<10	14.20	784	<1	<0.01	357	<10	<2	<0.01	<2	6	5
M649892		<10	<1	<0.01	<10	12.90	779	<1	<0.01	342	<10	3	<0.01	<2	5	7
M649893		<10	1	<0.01	<10	11.00	744	<1	<0.01	362	<10	2	<0.01	<2	8	35
M649894		<10	<1	<0.01	<10	13.60	893	<1	<0.01	387	<10	2	<0.01	<2	8	37
M649895		<10	5	0.37	10	0.10	1035	4	0.02	5	1230	2960	0.38	19	4	137
M649896		<10	<1	<0.01	<10	14.95	884	<1	<0.01	381	<10	3	<0.01	<2	7	23
M649897		<10	<1	<0.01	<10	15.60	954	<1	<0.01	354	<10	2	<0.01	<2	7	15
M649898		<10	<1	<0.01	<10	14.75	986	<1	<0.01	335	<10	2	<0.01	<2	8	28
M649899		<10	<1	<0.01	<10	15.75	913	<1	<0.01	397	<10	2	<0.01	<2	7	16
M649900		<10	<1	<0.01	<10	14.85	839	<1	<0.01	368	<10	<2	<0.01	<2	7	25



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Page: 2 - C
 Total # Pages: 3 (A - C)
 Finalized Date: 18- AUG- 2012
 Account: F

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CERTIFICATE OF ANALYSIS WH12177226

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
M649861		<20	<0.01	<10	<10	22	<10	10
M649862		<20	<0.01	<10	<10	12	<10	9
M649863		<20	<0.01	<10	<10	17	<10	7
M649864		<20	<0.01	<10	<10	18	<10	6
M649865		<20	<0.01	<10	<10	23	<10	7
M649866		<20	<0.01	<10	<10	18	<10	7
M649867		<20	<0.01	<10	<10	18	<10	9
M649868		<20	<0.01	<10	<10	1	<10	12
M649869		<20	<0.01	<10	<10	12	<10	8
M649870		<20	<0.01	<10	<10	13	<10	10
M649871		<20	<0.01	<10	<10	12	<10	8
M649872		<20	<0.01	<10	<10	17	<10	7
M649873		<20	<0.01	<10	<10	22	<10	7
M649874		<20	<0.01	<10	<10	12	<10	6
M649875		<20	<0.01	<10	<10	19	<10	7
M649876		<20	0.04	<10	<10	7	30	99
M649877		<20	<0.01	<10	<10	14	<10	9
M649878		<20	<0.01	<10	<10	19	<10	7
M649879		<20	<0.01	<10	<10	13	<10	8
M649880		<20	<0.01	<10	<10	12	<10	18
M649881		<20	<0.01	<10	<10	17	<10	9
M649882		<20	<0.01	<10	<10	18	<10	9
M649883		<20	<0.01	<10	<10	19	<10	10
M649884		<20	<0.01	<10	<10	17	<10	9
M649885		<20	<0.01	<10	<10	21	<10	9
M649886		<20	<0.01	<10	10	1	<10	12
M649887		<20	<0.01	<10	<10	16	<10	10
M649888		<20	<0.01	<10	<10	19	<10	8
M649889		<20	<0.01	<10	<10	14	<10	12
M649890		<20	<0.01	<10	<10	14	<10	10
M649891		<20	<0.01	<10	<10	8	<10	11
M649892		<20	<0.01	<10	<10	19	<10	7
M649893		<20	<0.01	<10	<10	29	<10	6
M649894		<20	<0.01	<10	<10	29	<10	10
M649895		<20	<0.01	<10	<10	53	<10	2130
M649896		<20	<0.01	<10	<10	12	<10	11
M649897		<20	<0.01	<10	<10	15	<10	10
M649898		<20	<0.01	<10	<10	14	<10	9
M649899		<20	<0.01	<10	<10	12	<10	11
M649900		<20	<0.01	<10	<10	13	<10	6



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**Page: 3 - A
 Total # Pages: 3 (A - C)
 Finalized Date: 18- AUG- 2012
 Account: F**

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177226

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA24 Au ppm 0.005	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
M649901		3.52	0.060	<0.2	0.11	28	<10	<10	<0.5	<2	1.09	<0.5	45	329	1	4.16



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Page: 3 - B
Total # Pages: 3 (A - C)
Finalized Date: 18- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177226

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649901		<10	1	<0.01	<10	15.40	832	<1	<0.01	425	<10	<2	<0.01	<2	7	28



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Page: 3 - C
Total # Pages: 3 (A - C)
Finalized Date: 18- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177226

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
M649901		<20	<0.01	<10	<10	9	<10	9



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Page: 1
Finalized Date: 16- AUG- 2012
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CERTIFICATE WH12177225

Project: Vivi
P.O. No.: RCH- 12- 22
This report is for 41 RC Drill Chip samples submitted to our lab in Whitehorse, YT,
Canada on 30- JUL- 2012.

The following have access to data associated with this certificate:

DOUG BLANCHFLOWER

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

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

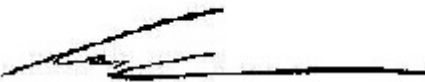
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Au- AA24	Au 50g FA AA finish	AAS

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 3 (A - C)
Finalized Date: 16- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177225

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
M649820		2.54	0.007	<0.2	0.10	17	<10	<10	<0.5	<2	0.97	<0.5	39	803	1	3.39
M649821		1.96	0.099	<0.2	0.08	12	<10	<10	<0.5	<2	0.49	<0.5	35	624	<1	2.82
M649822		1.88	0.251	<0.2	0.09	14	<10	<10	<0.5	<2	0.61	<0.5	33	554	<1	2.60
M649823		1.95	0.043	<0.2	0.07	7	<10	<10	<0.5	<2	0.60	<0.5	36	643	<1	2.47
M649824		0.24	1.400	30.5	0.89	510	<10	500	<0.5	<2	0.27	30.7	5	12	131	5.50
M649825		1.17	0.013	<0.2	0.09	10	<10	<10	<0.5	<2	0.38	<0.5	37	661	1	2.35
M649826		1.30	0.028	<0.2	0.10	38	<10	<10	<0.5	<2	0.60	<0.5	39	867	<1	3.53
M649827		1.56	0.115	<0.2	0.10	25	<10	<10	<0.5	<2	0.67	<0.5	39	803	<1	3.25
M649828		1.72	0.646	<0.2	0.09	40	<10	<10	<0.5	<2	0.41	<0.5	36	445	<1	3.05
M649829		1.33	0.028	<0.2	0.07	70	<10	<10	<0.5	<2	1.85	<0.5	42	210	1	2.99
M649830		2.01	0.064	<0.2	0.08	64	<10	<10	<0.5	<2	0.42	<0.5	45	215	2	2.95
M649831		1.20	0.352	<0.2	0.12	50	<10	<10	<0.5	<2	0.59	<0.5	39	225	<1	3.08
M649832		1.45	0.303	<0.2	0.14	106	<10	<10	<0.5	<2	0.62	<0.5	44	252	<1	3.38
M649833		0.88	<0.005	<0.2	0.03	2	<10	10	<0.5	<2	19.9	<0.5	1	2	1	0.46
M649834		1.11	<0.005	<0.2	0.03	<2	<10	20	<0.5	<2	20.1	<0.5	1	1	2	0.45
M649835		1.81	0.096	<0.2	0.13	108	<10	<10	<0.5	<2	0.58	<0.5	45	394	5	2.98
M649836		1.41	0.137	<0.2	0.10	61	<10	<10	<0.5	<2	0.33	<0.5	41	397	1	3.00
M649837		2.12	0.238	<0.2	0.09	11	<10	<10	<0.5	<2	0.38	<0.5	39	451	1	2.89
M649838		1.76	0.074	<0.2	0.15	42	<10	<10	<0.5	<2	0.75	<0.5	42	659	2	3.35
M649839		1.84	0.028	<0.2	0.10	22	<10	<10	<0.5	<2	0.42	<0.5	42	766	<1	3.26
M649840		1.91	0.021	<0.2	0.11	42	<10	<10	<0.5	<2	0.42	<0.5	38	709	4	3.03
M649841		3.08	0.314	<0.2	0.14	29	<10	<10	<0.5	<2	0.53	<0.5	32	375	3	3.06
M649842		0.06	0.778	7.0	1.34	8560	170	40	<0.5	204	5.66	1.0	71	21	3170	2.99
M649843		2.98	0.013	<0.2	0.15	29	<10	<10	<0.5	<2	0.49	<0.5	37	338	3	3.34
M649844		1.41	0.007	<0.2	0.13	29	<10	<10	<0.5	<2	0.37	<0.5	38	282	3	3.46
M649845		1.73	0.008	<0.2	0.15	19	<10	<10	<0.5	<2	0.23	<0.5	39	315	2	3.32
M649846		1.23	0.007	<0.2	0.26	39	<10	<10	<0.5	<2	1.99	<0.5	37	456	3	3.54
M649847		3.26	0.052	<0.2	0.14	28	<10	<10	<0.5	<2	3.69	<0.5	41	287	8	3.86
M649848		2.17	0.016	<0.2	0.12	25	<10	<10	<0.5	<2	1.10	<0.5	42	327	1	4.07
M649849		2.78	0.006	<0.2	0.06	18	<10	<10	<0.5	<2	0.75	<0.5	42	233	2	3.48
M649850		3.05	<0.005	<0.2	0.09	19	<10	<10	<0.5	<2	0.54	<0.5	42	265	2	4.46
M649851		2.23	0.012	<0.2	0.12	23	<10	<10	<0.5	<2	0.37	<0.5	37	339	1	4.04
M649852		2.38	0.150	<0.2	0.12	11	<10	<10	<0.5	<2	0.44	<0.5	38	457	<1	3.77
M649853		2.93	0.044	<0.2	0.10	14	<10	<10	<0.5	<2	0.34	<0.5	40	353	2	4.04
M649854		2.90	0.007	<0.2	0.12	17	<10	<10	<0.5	<2	0.45	<0.5	39	409	4	3.83
M649855		4.02	0.006	<0.2	0.10	14	<10	<10	<0.5	<2	0.39	<0.5	41	331	3	3.89
M649856		2.31	0.058	<0.2	0.24	19	<10	10	0.7	<2	0.72	<0.5	33	344	1	3.33
M649857		3.11	0.069	0.5	0.09	20	<10	<10	<0.5	<2	0.39	<0.5	41	383	85	3.76
M649858		2.69	0.005	<0.2	0.09	39	<10	<10	<0.5	<2	0.45	<0.5	38	501	4	3.44
M649859		2.30	<0.005	<0.2	0.14	34	<10	<10	<0.5	<2	0.20	<0.5	33	446	1	3.07



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Page: 2 - B
 Total # Pages: 3 (A - C)
 Finalized Date: 16- AUG- 2012
 Account: F

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CERTIFICATE OF ANALYSIS WH12177225

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649820		<10	<1	<0.01	<10	11.40	901	<1	0.01	395	<10	<2	<0.01	<2	6	20
M649821		<10	<1	<0.01	<10	11.40	826	<1	0.01	304	<10	<2	<0.01	<2	5	8
M649822		<10	<1	<0.01	<10	11.20	775	<1	0.01	309	<10	<2	<0.01	<2	5	10
M649823		<10	<1	<0.01	<10	10.95	767	<1	0.01	351	<10	<2	<0.01	2	5	13
M649824		<10	5	0.36	10	0.10	1055	4	0.02	4	1220	2720	0.37	21	4	134
M649825		<10	<1	<0.01	<10	10.75	746	<1	0.01	373	<10	<2	<0.01	<2	6	7
M649826		<10	<1	<0.01	<10	11.75	995	<1	0.01	401	10	<2	<0.01	<2	6	9
M649827		<10	<1	<0.01	<10	11.60	833	<1	0.01	390	<10	<2	<0.01	2	6	10
M649828		<10	<1	<0.01	<10	11.60	665	<1	0.01	351	<10	<2	<0.01	<2	5	6
M649829		<10	<1	<0.01	<10	12.15	806	<1	0.01	616	<10	<2	<0.01	<2	3	56
M649830		<10	<1	<0.01	<10	11.75	629	<1	<0.01	680	<10	<2	<0.01	<2	3	10
M649831		<10	<1	<0.01	<10	12.00	638	<1	0.01	457	<10	<2	<0.01	2	5	13
M649832		<10	<1	<0.01	<10	12.40	772	<1	0.01	547	<10	<2	<0.01	<2	6	17
M649833		<10	1	0.02	<10	12.15	223	<1	0.01	3	220	3	0.01	<2	<1	43
M649834		<10	<1	0.02	<10	12.15	216	<1	0.01	2	170	<2	<0.01	<2	<1	46
M649835		<10	<1	<0.01	<10	11.70	737	<1	0.01	549	<10	<2	<0.01	<2	6	18
M649836		<10	<1	<0.01	<10	12.00	744	<1	0.01	450	<10	<2	<0.01	<2	5	8
M649837		<10	<1	<0.01	<10	11.65	616	<1	0.01	396	<10	<2	<0.01	<2	5	9
M649838		<10	<1	<0.01	<10	11.80	1110	<1	0.01	477	10	<2	<0.01	<2	5	21
M649839		<10	<1	<0.01	<10	11.20	722	<1	0.01	450	<10	<2	<0.01	<2	5	14
M649840		<10	<1	<0.01	<10	11.10	686	<1	0.01	456	<10	2	<0.01	<2	5	11
M649841		<10	<1	<0.01	<10	10.90	650	<1	0.01	326	<10	2	<0.01	<2	5	14
M649842		<10	<1	0.10	50	0.09	294	8	0.23	36	900	30	1.40	22	1	94
M649843		<10	<1	<0.01	<10	12.20	663	<1	0.01	396	<10	<2	<0.01	<2	5	12
M649844		<10	<1	<0.01	<10	12.00	729	<1	0.01	371	<10	<2	<0.01	<2	5	8
M649845		<10	<1	<0.01	<10	12.45	654	<1	0.01	386	<10	<2	<0.01	<2	5	6
M649846		<10	<1	<0.01	<10	12.85	614	<1	0.01	469	<10	<2	<0.01	<2	5	87
M649847		<10	<1	<0.01	<10	14.20	768	<1	0.01	612	<10	2	0.01	<2	6	240
M649848		<10	<1	<0.01	<10	14.80	775	<1	0.01	409	<10	<2	<0.01	<2	6	54
M649849		<10	<1	<0.01	<10	14.25	807	<1	0.01	383	<10	<2	<0.01	<2	5	22
M649850		<10	<1	<0.01	<10	15.45	785	<1	0.01	384	<10	<2	<0.01	<2	6	12
M649851		<10	<1	<0.01	<10	13.50	727	<1	0.01	342	<10	<2	<0.01	<2	6	9
M649852		<10	<1	<0.01	<10	13.75	988	<1	0.01	332	<10	<2	<0.01	<2	6	10
M649853		<10	<1	<0.01	<10	14.45	906	<1	0.01	314	<10	<2	<0.01	<2	6	7
M649854		<10	<1	<0.01	<10	13.60	737	<1	0.01	402	<10	<2	<0.01	<2	6	10
M649855		<10	<1	<0.01	<10	13.65	738	<1	0.01	406	<10	<2	<0.01	<2	6	9
M649856		<10	<1	0.03	<10	13.15	719	<1	0.01	346	<10	<2	<0.01	<2	7	28
M649857		<10	<1	<0.01	<10	14.30	734	<1	<0.01	380	<10	<2	<0.01	<2	4	10
M649858		<10	1	<0.01	<10	13.40	702	<1	0.01	404	<10	<2	<0.01	<2	4	15
M649859		<10	<1	<0.01	<10	12.00	693	<1	0.01	320	<10	<2	<0.01	<2	5	4



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Page: 2 - C
 Total # Pages: 3 (A - C)
 Finalized Date: 16- AUG- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177225

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
M649820		<20	<0.01	<10	<10	18	<10	9
M649821		<20	<0.01	<10	<10	15	<10	8
M649822		<20	<0.01	<10	<10	11	<10	9
M649823		<20	<0.01	<10	<10	12	<10	20
M649824		<20	<0.01	<10	<10	52	<10	2140
M649825		<20	<0.01	<10	<10	10	<10	11
M649826		<20	<0.01	<10	<10	20	<10	9
M649827		<20	<0.01	<10	<10	17	<10	25
M649828		<20	<0.01	<10	<10	12	<10	14
M649829		<20	<0.01	<10	<10	7	<10	7
M649830		<20	<0.01	<10	<10	6	<10	8
M649831		<20	<0.01	<10	<10	6	<10	10
M649832		<20	<0.01	<10	<10	7	<10	10
M649833		<20	<0.01	<10	<10	2	<10	23
M649834		<20	<0.01	<10	10	1	<10	17
M649835		<20	<0.01	<10	<10	10	<10	8
M649836		<20	<0.01	<10	<10	10	<10	15
M649837		<20	<0.01	<10	<10	11	<10	8
M649838		<20	<0.01	<10	<10	17	<10	12
M649839		<20	<0.01	<10	<10	19	<10	6
M649840		<20	<0.01	<10	<10	16	<10	11
M649841		<20	<0.01	<10	<10	8	<10	11
M649842		<20	0.05	<10	<10	8	30	99
M649843		<20	<0.01	<10	<10	10	<10	11
M649844		<20	<0.01	<10	<10	6	<10	11
M649845		<20	<0.01	<10	<10	6	<10	12
M649846		<20	<0.01	<10	<10	12	<10	13
M649847		<20	<0.01	<10	<10	6	<10	31
M649848		<20	<0.01	<10	<10	5	<10	22
M649849		<20	<0.01	<10	<10	4	<10	11
M649850		<20	<0.01	<10	<10	4	<10	13
M649851		<20	<0.01	<10	<10	6	<10	10
M649852		<20	<0.01	<10	<10	12	<10	11
M649853		<20	<0.01	<10	<10	11	<10	11
M649854		<20	<0.01	<10	<10	11	<10	8
M649855		<20	<0.01	<10	<10	7	<10	7
M649856		<20	<0.01	<10	<10	5	<10	12
M649857		<20	<0.01	<10	<10	11	<10	8
M649858		<20	<0.01	<10	<10	12	<10	7
M649859		<20	<0.01	<10	<10	11	<10	8



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**Page: 3 - A
 Total # Pages: 3 (A - C)
 Finalized Date: 16- AUG- 2012
 Account: F**

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177225

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA24 Au ppm 0.005	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
M649860		2.51	0.005	<0.2	0.14	15	<10	<10	<0.5	<2	0.21	<0.5	38	400	2	3.37



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Page: 3 - B
Total # Pages: 3 (A - C)
Finalized Date: 16- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177225

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649860		<10	<1	<0.01	<10	13.00	640	<1	0.01	389	<10	<2	<0.01	<2	5	8



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**Page: 3 - C
 Total # Pages: 3 (A - C)
 Finalized Date: 16- AUG- 2012
 Account: F**

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177225

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
M649860		<20	<0.01	<10	<10	10	<10	11



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Page: 1
Finalized Date: 16- AUG- 2012
Account: F

CERTIFICATE WH12177224

Project: Vivi
P.O. No.: RCH- 12- 21
This report is for 42 RC Drill Chip samples submitted to our lab in Whitehorse, YT,
Canada on 30- JUL- 2012.

The following have access to data associated with this certificate:

DOUG BLANCHFLOWER

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

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

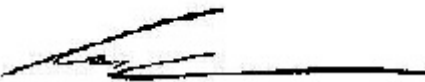
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Au- AA24	Au 50g FA AA finish	AAS

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
ATTN: JOAN MARIACHER
1016- 510 W HASTINGS ST
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 3 (A - C)
Finalized Date: 16- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177224

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
M649778		2.77	0.141	<0.2	0.16	90	<10	<10	<0.5	<2	0.59	<0.5	44	294	1	3.09
M649779		1.77	0.016	<0.2	0.18	61	<10	<10	0.6	<2	0.39	<0.5	48	203	2	3.06
M649780		1.98	0.022	<0.2	0.31	86	<10	<10	1.1	<2	1.17	<0.5	42	288	5	2.57
M649781		2.31	0.011	<0.2	0.15	135	<10	<10	0.6	<2	0.53	<0.5	50	220	3	3.00
M649782		1.57	0.017	<0.2	0.29	176	<10	10	0.9	<2	0.46	<0.5	54	294	4	3.43
M649783		1.57	0.071	<0.2	0.17	196	<10	10	0.7	<2	0.45	<0.5	49	255	6	3.06
M649784		1.18	<0.005	<0.2	0.03	2	<10	10	<0.5	<2	18.8	<0.5	1	3	2	0.45
M649785		2.46	0.123	<0.2	0.08	174	<10	10	<0.5	<2	0.23	<0.5	42	216	3	2.86
M649786		1.86	0.178	<0.2	0.15	156	<10	<10	0.5	<2	0.18	<0.5	45	274	3	3.03
M649787		2.34	0.030	<0.2	0.10	173	<10	10	<0.5	<2	0.13	<0.5	47	198	4	2.84
M649788		2.48	0.027	<0.2	0.16	131	<10	10	0.5	<2	1.62	<0.5	38	273	2	3.29
M649789		2.62	0.029	<0.2	0.37	132	<10	10	1.5	<2	0.76	<0.5	52	364	3	3.77
M649790		2.35	0.028	<0.2	0.24	134	<10	10	1.0	<2	0.20	<0.5	55	347	5	3.21
M649791		2.54	0.015	<0.2	0.41	88	<10	30	1.6	<2	0.48	<0.5	67	289	6	4.00
M649792		2.80	0.019	<0.2	0.19	99	<10	20	1.1	<2	0.45	<0.5	59	265	7	3.28
M649793		1.44	0.009	<0.2	0.17	67	<10	10	<0.5	<2	0.95	<0.5	42	388	9	3.57
M649794		0.08	0.833	7.0	1.37	8830	160	50	<0.5	198	5.86	0.9	72	21	3370	3.08
M649795		2.31	0.021	<0.2	0.18	129	<10	10	0.5	<2	0.48	<0.5	38	618	2	3.22
M649796		2.01	0.045	<0.2	0.12	122	<10	<10	<0.5	<2	1.19	<0.5	40	258	4	2.93
M649797		1.55	0.036	0.2	0.17	57	<10	<10	<0.5	<2	0.18	<0.5	44	416	31	3.34
M649798		1.66	0.038	<0.2	0.19	49	<10	<10	<0.5	<2	0.88	<0.5	43	453	37	3.66
M649799		3.12	0.013	<0.2	0.18	51	<10	<10	<0.5	<2	1.22	<0.5	37	343	12	3.29
M649800		1.85	0.026	<0.2	0.13	100	<10	<10	<0.5	<2	1.49	<0.5	46	296	29	3.29
M649801		1.68	0.012	0.2	0.07	159	<10	10	0.5	<2	0.45	0.5	10	107	8	1.23
M649802		1.87	0.122	3.5	0.08	275	<10	20	0.8	3	1.21	30.5	13	84	5	1.61
M649803		2.40	0.065	0.3	0.23	140	<10	10	0.8	<2	1.10	0.5	43	338	6	2.80
M649804		3.00	0.018	<0.2	0.16	80	<10	<10	<0.5	<2	0.66	<0.5	39	430	5	3.45
M649805		2.76	0.014	<0.2	0.17	90	<10	<10	<0.5	<2	0.76	<0.5	41	445	10	3.55
M649806		1.03	<0.005	<0.2	0.09	2	<10	20	<0.5	<2	19.7	<0.5	2	10	3	0.51
M649807		1.68	0.007	<0.2	0.17	56	<10	<10	<0.5	<2	0.73	<0.5	43	419	17	3.55
M649808		2.40	<0.005	<0.2	0.17	78	<10	<10	<0.5	<2	0.92	<0.5	40	384	9	3.42
M649809		1.15	0.005	<0.2	0.17	84	<10	<10	<0.5	<2	0.92	<0.5	43	380	17	3.27
M649810		2.23	<0.005	<0.2	0.19	91	<10	<10	<0.5	<2	1.02	<0.5	46	464	17	3.35
M649811		2.28	<0.005	<0.2	0.19	134	<10	<10	<0.5	<2	1.60	<0.5	43	457	8	3.65
M649812		1.63	0.005	<0.2	0.26	162	<10	10	0.7	<2	5.85	<0.5	39	474	17	2.13
M649813		2.07	0.008	<0.2	0.24	143	<10	10	<0.5	<2	2.13	<0.5	28	359	14	1.21
M649814		1.76	<0.005	<0.2	2.54	61	<10	460	4.5	<2	3.44	<0.5	23	275	26	3.26
M649815		1.88	<0.005	<0.2	5.53	7	<10	500	14.0	<2	4.98	<0.5	26	198	64	5.73
M649816		1.61	<0.005	<0.2	4.48	9	<10	500	5.5	<2	6.54	<0.5	27	187	47	4.95
M649817		0.23	1.340	29.2	0.92	512	<10	450	<0.5	2	0.27	30.6	5	11	137	5.57



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Page: 2 - B
 Total # Pages: 3 (A - C)
 Finalized Date: 16- AUG- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177224

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649778		<10	<1	<0.01	<10	10.30	669	<1	0.01	765	10	<2	<0.01	<2	5	25
M649779		<10	<1	0.01	<10	10.70	502	<1	0.01	886	10	<2	<0.01	<2	6	17
M649780		<10	<1	0.01	<10	10.45	632	<1	0.01	747	<10	2	<0.01	<2	7	59
M649781		<10	<1	0.01	<10	11.35	714	<1	0.01	944	<10	3	0.01	<2	4	31
M649782		<10	<1	0.01	<10	12.55	815	<1	0.01	1110	<10	2	0.01	<2	6	21
M649783		<10	<1	0.01	<10	11.15	642	<1	0.01	954	<10	<2	0.01	<2	6	13
M649784		<10	<1	0.02	<10	11.50	201	<1	0.01	8	130	<2	0.03	<2	<1	43
M649785		<10	<1	<0.01	<10	10.80	772	<1	0.01	651	<10	<2	0.01	<2	5	7
M649786		<10	<1	0.01	<10	11.65	805	<1	0.01	811	<10	<2	0.01	<2	5	6
M649787		<10	<1	<0.01	<10	10.75	549	<1	<0.01	781	<10	<2	0.01	<2	5	4
M649788		<10	<1	0.01	<10	13.05	1315	<1	0.01	782	<10	2	0.01	<2	5	60
M649789		<10	<1	0.02	<10	13.30	949	<1	0.01	1050	<10	<2	0.01	<2	7	34
M649790		<10	<1	0.01	<10	11.65	745	<1	0.01	1090	<10	<2	<0.01	<2	6	10
M649791		<10	<1	0.10	<10	15.25	1125	<1	0.01	1230	<10	3	0.01	<2	5	31
M649792		<10	<1	0.01	<10	12.90	766	<1	0.01	1065	<10	2	0.01	<2	5	18
M649793		<10	<1	<0.01	<10	12.95	824	<1	0.01	607	<10	<2	0.01	<2	5	37
M649794		<10	<1	0.11	40	0.09	298	8	0.24	36	930	31	1.45	24	1	95
M649795		<10	<1	<0.01	<10	11.65	732	<1	0.01	534	<10	<2	0.01	<2	5	24
M649796		<10	<1	<0.01	<10	11.30	778	<1	0.01	689	<10	4	0.01	<2	4	73
M649797		<10	<1	<0.01	<10	12.30	605	<1	0.01	625	<10	<2	0.01	<2	5	7
M649798		<10	<1	<0.01	<10	13.35	823	<1	0.01	504	<10	2	0.01	<2	5	37
M649799		<10	<1	<0.01	<10	12.60	864	<1	0.01	470	<10	<2	0.01	<2	5	44
M649800		<10	<1	<0.01	<10	11.10	673	<1	0.01	689	<10	6	0.01	<2	4	56
M649801		<10	<1	<0.01	<10	2.00	207	<1	0.01	202	<10	228	0.01	<2	2	11
M649802		<10	<1	<0.01	<10	3.73	376	<1	0.01	221	<10	4710	0.12	<2	2	34
M649803		<10	<1	0.01	<10	10.25	580	<1	0.01	667	<10	182	0.01	<2	5	44
M649804		<10	<1	<0.01	<10	11.50	578	<1	0.01	526	<10	36	0.01	<2	5	24
M649805		<10	<1	<0.01	<10	12.70	866	<1	0.01	504	<10	24	0.01	<2	6	26
M649806		<10	<1	0.06	<10	12.20	225	<1	0.02	8	230	2	0.02	<2	1	47
M649807		<10	<1	<0.01	<10	12.85	803	<1	0.01	530	<10	9	0.02	<2	6	24
M649808		<10	<1	<0.01	<10	12.45	722	<1	0.01	518	<10	6	0.01	<2	6	31
M649809		<10	<1	<0.01	<10	11.50	666	<1	0.01	640	<10	9	0.02	<2	5	36
M649810		<10	<1	<0.01	<10	10.95	710	<1	0.01	737	<10	5	0.03	<2	6	42
M649811		<10	<1	<0.01	<10	11.35	828	<1	0.01	684	<10	2	0.01	<2	5	64
M649812		<10	<1	<0.01	<10	5.37	670	<1	0.01	780	<10	<2	0.24	<2	5	249
M649813		<10	<1	0.01	<10	2.07	308	<1	0.01	524	<10	5	0.01	<2	2	60
M649814		10	<1	1.45	<10	3.61	861	<1	0.10	231	210	9	0.07	<2	15	80
M649815		10	<1	2.96	<10	3.59	1020	<1	0.30	82	500	5	0.38	<2	26	118
M649816		10	<1	2.53	<10	3.36	1145	<1	0.21	81	410	7	0.23	<2	27	108
M649817		<10	5	0.35	10	0.09	1020	3	0.02	11	1230	2820	0.37	23	4	126



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Page: 2 - C
Total # Pages: 3 (A - C)
Finalized Date: 16- AUG- 2012
Account: F

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CERTIFICATE OF ANALYSIS WH12177224

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
M649778		<20	<0.01	<10	<10	7	<10	6
M649779		<20	<0.01	<10	<10	5	<10	9
M649780		<20	<0.01	<10	<10	6	<10	17
M649781		<20	<0.01	<10	<10	6	<10	20
M649782		<20	<0.01	<10	<10	7	<10	17
M649783		<20	<0.01	<10	<10	6	<10	10
M649784		<20	<0.01	<10	<10	1	<10	11
M649785		<20	<0.01	<10	<10	4	<10	7
M649786		<20	<0.01	<10	<10	5	<10	11
M649787		<20	<0.01	<10	<10	4	<10	9
M649788		<20	<0.01	<10	<10	8	<10	16
M649789		<20	<0.01	<10	<10	11	<10	34
M649790		<20	<0.01	<10	<10	9	<10	24
M649791		<20	<0.01	<10	<10	6	<10	40
M649792		<20	<0.01	<10	<10	5	<10	29
M649793		<20	<0.01	<10	<10	8	<10	16
M649794		<20	0.04	<10	<10	7	30	103
M649795		<20	<0.01	<10	<10	15	<10	10
M649796		<20	<0.01	<10	<10	6	<10	19
M649797		<20	<0.01	<10	<10	8	<10	11
M649798		<20	<0.01	<10	<10	7	<10	9
M649799		<20	<0.01	<10	<10	5	<10	13
M649800		<20	<0.01	<10	<10	6	<10	11
M649801		<20	<0.01	<10	<10	3	<10	23
M649802		<20	<0.01	<10	<10	3	<10	1615
M649803		<20	<0.01	<10	<10	6	<10	33
M649804		<20	<0.01	<10	<10	9	<10	15
M649805		<20	<0.01	<10	<10	9	<10	17
M649806		<20	<0.01	<10	<10	3	<10	16
M649807		<20	<0.01	<10	<10	8	<10	14
M649808		<20	<0.01	<10	<10	7	<10	13
M649809		<20	<0.01	<10	<10	7	<10	12
M649810		<20	<0.01	<10	<10	8	<10	11
M649811		<20	<0.01	<10	<10	8	<10	10
M649812		<20	<0.01	<10	<10	10	<10	19
M649813		<20	<0.01	<10	<10	6	<10	17
M649814		<20	0.17	<10	<10	111	30	64
M649815		<20	0.32	<10	<10	220	30	73
M649816		<20	0.27	<10	<10	202	20	73
M649817		<20	<0.01	<10	<10	53	<10	2110



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**Page: 3 - A
 Total # Pages: 3 (A - C)
 Finalized Date: 16- AUG- 2012
 Account: F**

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CERTIFICATE OF ANALYSIS WH12177224

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA24 Au ppm 0.005	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
M649818		2.12	<0.005	<0.2	3.00	6	<10	320	1.2	<2	6.57	<0.5	29	193	46	4.14
M649819		2.60	<0.005	0.3	0.98	26	<10	70	4.3	<2	6.76	<0.5	23	67	41	4.68



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Finalized Date: 16- AUG- 2012
Account: F

CERTIFICATE OF ANALYSIS WH12177224

		ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
Sample Description	Method Analyte Units LOR	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
M649818		10	<1	2.20	<10	2.94	856	<1	0.12	94	340	6	0.41	<2	17
M649819		<10	<1	0.37	<10	3.44	1225	<1	0.02	74	300	5	0.83	6	25



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**Page: 3 - C
 Total # Pages: 3 (A - C)
 Finalized Date: 16- AUG- 2012
 Account: F**

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177224

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
M649818		<20	0.27	<10	<10	173	<10	41
M649819		<20	0.01	<10	<10	89	<10	61



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Page: 1
Finalized Date: 16- AUG- 2012
Account: F

CERTIFICATE WH12177223

Project: Vivi

P.O. No.: RCH- 12- 20

This report is for 42 RC Drill Chip samples submitted to our lab in Whitehorse, YT, Canada on 30- JUL- 2012.

The following have access to data associated with this certificate:

DOUG BLANCHFLOWER

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

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

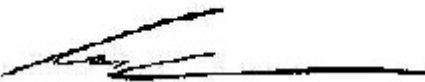
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Au- AA24	Au 50g FA AA finish	AAS

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 3 (A - C)
Finalized Date: 16- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177223

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
M649736		3.12	0.058	<0.2	0.10	23	<10	<10	<0.5	2	0.19	<0.5	38	253	<1	2.92
M649737		2.26	0.100	<0.2	0.13	20	<10	<10	<0.5	2	0.29	<0.5	33	368	<1	3.05
M649738		2.86	0.095	<0.2	0.11	18	<10	<10	<0.5	2	0.41	<0.5	36	798	<1	3.52
M649739		3.34	0.130	<0.2	0.08	13	<10	<10	<0.5	2	0.28	<0.5	36	609	<1	3.45
M649740		2.90	0.054	<0.2	0.12	48	<10	<10	<0.5	3	0.39	<0.5	37	513	2	3.21
M649741		1.87	0.112	<0.2	0.11	38	<10	<10	<0.5	3	0.24	<0.5	35	394	2	3.12
M649742		2.23	0.006	<0.2	0.14	72	<10	<10	<0.5	3	0.21	<0.5	44	661	6	3.42
M649743		1.66	0.006	<0.2	0.10	19	<10	<10	<0.5	<2	0.32	<0.5	44	705	3	3.53
M649744		1.93	0.075	<0.2	0.11	19	<10	<10	<0.5	3	0.30	<0.5	38	364	1	3.19
M649745		0.06	0.786	6.9	1.46	9150	190	40	0.5	205	6.12	1.1	73	22	3440	3.22
M649746		2.05	0.374	<0.2	0.15	55	<10	<10	<0.5	3	0.51	<0.5	34	308	5	3.24
M649747		2.46	0.171	<0.2	0.09	47	<10	<10	<0.5	<2	0.25	<0.5	41	203	1	3.04
M649748		2.27	0.072	<0.2	0.17	46	<10	<10	<0.5	4	0.28	<0.5	41	294	<1	3.18
M649749		1.75	0.277	<0.2	0.24	28	<10	<10	<0.5	3	1.18	<0.5	30	407	<1	3.03
M649750		2.06	0.164	<0.2	0.13	34	<10	<10	<0.5	3	0.50	<0.5	33	261	<1	2.95
M649751		1.67	0.027	<0.2	0.15	54	<10	<10	<0.5	3	0.73	<0.5	37	305	<1	3.07
M649752		1.66	<0.005	<0.2	0.11	47	<10	<10	<0.5	4	0.44	<0.5	60	182	1	3.22
M649753		2.44	0.005	<0.2	0.14	98	<10	<10	0.5	3	1.08	<0.5	66	222	2	3.22
M649754		2.24	0.045	<0.2	0.22	105	<10	10	0.9	2	0.96	<0.5	54	299	12	3.46
M649755		2.40	0.010	<0.2	0.15	69	<10	10	0.5	3	0.28	<0.5	56	215	3	3.25
M649756		1.58	0.013	<0.2	0.21	238	<10	10	1.2	<2	1.01	<0.5	46	227	22	2.56
M649757		0.99	<0.005	<0.2	0.02	2	<10	10	<0.5	<2	19.6	<0.5	1	1	<1	0.46
M649758		2.21	0.023	<0.2	0.17	143	<10	10	0.8	<2	0.77	<0.5	50	249	10	3.00
M649759		2.02	0.025	<0.2	0.13	131	<10	10	0.6	2	0.45	<0.5	59	220	10	3.05
M649760		2.14	0.009	<0.2	0.06	72	<10	<10	<0.5	2	0.31	<0.5	59	173	3	3.06
M649761		2.28	0.019	<0.2	0.13	83	<10	<10	0.5	2	0.26	<0.5	72	222	4	3.15
M649762		2.28	0.009	<0.2	0.21	89	<10	<10	0.7	3	0.43	<0.5	62	330	2	3.35
M649763		1.62	0.129	<0.2	0.15	101	<10	<10	<0.5	2	0.43	<0.5	41	330	1	3.27
M649764		0.23	1.290	29.0	1.01	530	<10	530	<0.5	2	0.28	31.5	6	12	134	5.71
M649765		2.13	0.404	<0.2	0.17	72	<10	<10	<0.5	3	0.42	<0.5	44	390	2	3.95
M649766		1.72	0.006	<0.2	0.12	32	<10	<10	<0.5	2	0.25	<0.5	34	286	<1	3.11
M649767		2.09	0.019	<0.2	0.20	73	<10	10	<0.5	2	0.29	<0.5	38	411	1	3.38
M649768		2.31	0.050	<0.2	0.15	61	<10	10	<0.5	<2	0.27	<0.5	40	356	6	3.30
M649769		1.39	0.026	<0.2	0.13	34	<10	10	<0.5	<2	0.35	<0.5	42	303	10	3.28
M649770		1.88	0.008	<0.2	0.13	34	<10	<10	<0.5	<2	0.99	<0.5	38	293	5	3.10
M649771		1.91	0.009	<0.2	0.24	8	<10	<10	<0.5	<2	0.23	<0.5	39	461	3	3.22
M649772		0.97	<0.005	<0.2	0.02	<2	<10	10	<0.5	<2	19.1	<0.5	2	3	2	0.45
M649773		1.80	0.008	<0.2	0.27	7	<10	<10	<0.5	<2	0.30	<0.5	38	564	1	3.30
M649774		1.95	<0.005	<0.2	0.24	6	<10	<10	<0.5	<2	0.46	<0.5	34	507	<1	3.14
M649775		1.56	0.005	<0.2	0.17	<2	<10	<10	<0.5	<2	0.38	<0.5	24	363	<1	2.20



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Page: 2 - B
Total # Pages: 3 (A - C)
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CERTIFICATE OF ANALYSIS WH12177223

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649736		<10	<1	<0.01	<10	11.90	743	<1	0.01	429	10	<2	0.01	<2	4	6
M649737		<10	<1	<0.01	<10	11.50	665	<1	<0.01	344	10	<2	0.01	<2	5	11
M649738		<10	<1	<0.01	<10	11.40	565	<1	<0.01	423	<10	<2	0.01	<2	5	12
M649739		<10	<1	<0.01	<10	11.75	621	<1	<0.01	476	<10	<2	0.01	<2	5	9
M649740		<10	<1	<0.01	<10	12.10	775	<1	<0.01	503	<10	<2	0.01	<2	5	13
M649741		<10	<1	<0.01	<10	11.35	656	<1	<0.01	428	<10	<2	0.01	<2	5	10
M649742		<10	<1	<0.01	<10	12.00	947	<1	0.01	675	10	<2	0.01	<2	6	9
M649743		<10	<1	<0.01	<10	12.10	1100	<1	0.01	627	<10	<2	0.01	<2	6	14
M649744		<10	<1	<0.01	<10	11.60	729	<1	0.01	485	<10	<2	0.01	<2	5	11
M649745		<10	<1	0.10	50	0.10	324	7	0.25	35	970	32	1.46	26	1	101
M649746		<10	<1	<0.01	<10	11.40	489	<1	0.01	491	<10	<2	0.01	<2	4	18
M649747		<10	<1	<0.01	<10	11.40	630	<1	0.01	544	<10	<2	0.01	<2	5	8
M649748		<10	<1	<0.01	<10	11.40	627	<1	<0.01	533	<10	<2	0.01	<2	6	8
M649749		<10	<1	<0.01	<10	10.30	570	<1	0.01	328	<10	<2	0.01	<2	6	41
M649750		<10	<1	<0.01	<10	10.35	572	<1	<0.01	335	<10	<2	0.01	<2	5	18
M649751		<10	<1	<0.01	<10	11.45	736	<1	0.01	470	<10	<2	0.01	<2	5	29
M649752		<10	<1	0.01	<10	13.45	976	<1	0.01	946	<10	<2	0.01	<2	2	19
M649753		<10	<1	0.01	<10	13.45	947	<1	0.01	1075	<10	<2	0.01	<2	3	63
M649754		<10	<1	0.03	<10	12.85	780	<1	0.01	969	<10	3	0.01	<2	6	35
M649755		<10	<1	0.03	<10	12.30	819	<1	0.01	965	<10	<2	0.01	<2	6	12
M649756		<10	<1	0.02	<10	7.71	744	<1	0.01	828	<10	2	0.01	<2	5	61
M649757		<10	<1	0.01	<10	12.05	215	<1	0.01	6	170	<2	0.02	2	<1	41
M649758		<10	<1	0.01	<10	10.75	825	<1	0.01	892	<10	2	0.01	<2	5	35
M649759		<10	<1	0.01	<10	12.60	800	<1	<0.01	1130	<10	2	0.01	<2	4	23
M649760		<10	<1	0.01	<10	13.60	889	<1	0.01	1040	<10	2	0.01	<2	3	15
M649761		<10	<1	0.01	<10	13.25	943	<1	0.01	1215	<10	3	0.01	<2	4	15
M649762		<10	<1	0.02	<10	12.30	617	<1	0.01	1055	<10	2	0.01	<2	6	17
M649763		<10	<1	<0.01	<10	11.70	583	<1	0.01	689	<10	<2	0.01	<2	5	16
M649764		<10	5	0.38	10	0.11	1065	5	0.02	5	1340	3050	0.40	23	4	147
M649765		<10	<1	<0.01	<10	14.30	779	<1	0.01	600	<10	<2	0.01	<2	6	18
M649766		<10	<1	<0.01	<10	11.55	568	<1	<0.01	338	<10	<2	0.01	<2	5	11
M649767		<10	<1	<0.01	<10	11.75	690	<1	<0.01	435	<10	<2	0.01	<2	5	10
M649768		<10	<1	<0.01	<10	11.80	716	<1	0.01	466	<10	<2	<0.01	<2	5	14
M649769		<10	<1	<0.01	<10	12.20	694	<1	0.01	568	<10	<2	0.01	<2	4	16
M649770		<10	<1	<0.01	<10	12.15	731	<1	0.01	538	<10	<2	0.01	<2	5	67
M649771		<10	<1	<0.01	<10	11.40	541	<1	<0.01	512	<10	<2	0.02	<2	5	8
M649772		<10	<1	0.01	<10	11.55	206	<1	0.01	4	150	<2	0.01	<2	<1	44
M649773		<10	<1	<0.01	<10	11.65	605	<1	<0.01	445	<10	<2	<0.01	<2	6	9
M649774		<10	<1	<0.01	<10	10.60	546	<1	<0.01	364	<10	<2	<0.01	<2	5	19
M649775		<10	<1	<0.01	<10	7.57	430	<1	<0.01	254	<10	<2	<0.01	<2	4	15



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Page: 2 - C
 Total # Pages: 3 (A - C)
 Finalized Date: 16- AUG- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177223

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
M649736		<20	<0.01	<10	<10	6	<10	9
M649737		<20	<0.01	<10	<10	10	<10	13
M649738		<20	<0.01	<10	<10	18	<10	8
M649739		<20	<0.01	<10	<10	15	<10	8
M649740		<20	<0.01	<10	<10	14	<10	15
M649741		<20	<0.01	<10	<10	11	<10	14
M649742		<20	<0.01	<10	<10	18	<10	12
M649743		<20	<0.01	<10	<10	19	<10	7
M649744		<20	<0.01	<10	<10	10	<10	8
M649745		<20	0.05	<10	<10	8	30	110
M649746		<20	<0.01	<10	<10	7	<10	5
M649747		<20	<0.01	<10	<10	4	<10	7
M649748		<20	<0.01	<10	<10	6	<10	9
M649749		<20	<0.01	<10	<10	7	<10	9
M649750		<20	<0.01	<10	<10	5	<10	9
M649751		<20	<0.01	<10	<10	6	<10	6
M649752		<20	<0.01	<10	<10	4	<10	8
M649753		<20	<0.01	<10	<10	6	<10	24
M649754		<20	<0.01	<10	<10	9	<10	27
M649755		<20	<0.01	<10	<10	5	<10	28
M649756		<20	<0.01	<10	<10	7	<10	96
M649757		<20	<0.01	<10	10	1	<10	10
M649758		<20	<0.01	<10	<10	6	<10	20
M649759		<20	<0.01	<10	<10	5	<10	19
M649760		<20	<0.01	<10	<10	3	<10	11
M649761		<20	<0.01	<10	<10	5	<10	13
M649762		<20	<0.01	<10	<10	6	<10	33
M649763		<20	<0.01	<10	<10	6	<10	97
M649764		<20	<0.01	<10	<10	55	<10	2260
M649765		<20	<0.01	<10	<10	7	<10	11
M649766		<20	<0.01	<10	<10	6	<10	9
M649767		<20	<0.01	<10	<10	8	<10	7
M649768		<20	<0.01	<10	<10	8	<10	12
M649769		<20	<0.01	<10	<10	6	<10	20
M649770		<20	<0.01	<10	<10	6	<10	15
M649771		<20	<0.01	<10	<10	9	<10	11
M649772		<20	<0.01	<10	<10	1	<10	19
M649773		<20	<0.01	<10	<10	10	<10	31
M649774		<20	<0.01	<10	<10	10	<10	17
M649775		<20	<0.01	<10	<10	7	<10	6



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**Page: 3 - A
 Total # Pages: 3 (A - C)
 Finalized Date: 16- AUG- 2012
 Account: F**

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CERTIFICATE OF ANALYSIS WH12177223

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA24 Au ppm 0.005	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
M649776		1.95	0.028	<0.2	0.24	16	<10	<10	<0.5	<2	0.80	<0.5	34	494	1	2.93
M649777		1.94	0.085	<0.2	2.23	8	<10	130	<0.5	<2	4.82	<0.5	33	476	24	4.15



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**Page: 3 - B
 Total # Pages: 3 (A - C)
 Finalized Date: 16- AUG- 2012
 Account: F**

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CERTIFICATE OF ANALYSIS WH12177223

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm 10	ppm 1	% 0.01	ppm 10	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	ppm 2	ppm 1	ppm 1
M649776		<10	<1	<0.01	<10	10.40	636	<1	0.01	405	<10	<2	<0.01	<2	5	26
M649777		<10	<1	0.10	<10	8.06	914	<1	0.04	348	360	<2	0.03	<2	11	183



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**Page: 3 - C
 Total # Pages: 3 (A - C)
 Finalized Date: 16- AUG- 2012
 Account: F**

Project: Vivi

CERTIFICATE OF ANALYSIS WH12177223

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
M649776		<20	<0.01	<10	<10	10	<10	8
M649777		<20	0.07	<10	<10	97	<10	36



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Page: 1
Finalized Date: 8- AUG- 2012
Account: F

CERTIFICATE WH12174515

Project: Vivi
P.O. No.: RCH- 12- 05
This report is for 42 RC Drill Chip samples submitted to our lab in Whitehorse, YT,
Canada on 25- JUL- 2012.

The following have access to data associated with this certificate:

DOUG BLANCHFLOWER

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

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

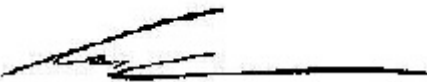
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Au- AA24	Au 50g FA AA finish	AAS

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



ALS Canada Ltd.

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Page: 2 - A
Total # Pages: 3 (A - C)
Finalized Date: 8- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174515

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
M649126		2.30	0.512	<0.2	0.16	6	<10	<10	<0.5	<2	0.42	<0.5	38	603	2	3.53
M649127		1.99	0.500	<0.2	0.17	5	<10	<10	<0.5	<2	0.17	<0.5	37	768	2	3.64
M649128		1.39	0.044	<0.2	0.11	4	<10	<10	<0.5	<2	0.18	<0.5	39	932	5	3.52
M649129		1.66	0.137	<0.2	0.15	3	<10	<10	<0.5	<2	0.29	<0.5	39	842	1	3.49
M649130		2.02	0.010	<0.2	0.15	3	<10	<10	<0.5	<2	0.50	<0.5	37	867	1	3.44
M649131		1.68	0.007	<0.2	0.17	3	<10	<10	<0.5	<2	0.61	<0.5	39	803	<1	3.31
M649132		1.91	0.015	<0.2	0.16	2	<10	<10	<0.5	<2	0.75	<0.5	39	873	1	3.67
M649133		2.06	0.008	<0.2	0.14	2	<10	<10	<0.5	<2	0.57	<0.5	35	913	<1	3.16
M649134		1.87	<0.005	<0.2	0.15	6	<10	<10	<0.5	<2	0.58	<0.5	39	967	<1	3.29
M649135		1.81	<0.005	<0.2	0.17	<2	<10	<10	<0.5	2	1.08	<0.5	35	876	<1	3.07
M649136		0.08	0.803	7.2	1.35	8780	180	40	<0.5	201	5.49	0.9	71	21	3240	3.00
M649137		1.89	<0.005	<0.2	0.13	7	<10	<10	<0.5	<2	0.99	<0.5	33	817	4	2.92
M649138		1.74	<0.005	<0.2	0.14	5	<10	<10	<0.5	<2	1.05	<0.5	34	687	4	3.03
M649139		1.71	<0.005	<0.2	0.12	<2	<10	<10	<0.5	<2	0.73	<0.5	35	668	2	3.03
M649140		1.66	<0.005	<0.2	0.09	3	<10	<10	<0.5	<2	0.28	<0.5	37	818	1	2.84
M649141		1.32	0.080	<0.2	0.13	4	<10	<10	<0.5	<2	0.35	<0.5	36	845	2	3.36
M649142		1.78	<0.005	<0.2	0.16	3	<10	<10	<0.5	<2	0.25	<0.5	34	906	1	3.31
M649143		2.76	<0.005	<0.2	0.03	2	<10	10	<0.5	<2	18.5	<0.5	1	7	2	0.44
M649144		1.80	0.010	<0.2	0.09	4	<10	<10	<0.5	<2	0.39	<0.5	28	728	2	2.90
M649145		1.79	0.007	<0.2	0.12	4	<10	<10	<0.5	<2	0.27	<0.5	40	931	2	3.30
M649146		1.97	0.008	<0.2	0.21	4	<10	<10	<0.5	<2	0.79	<0.5	34	821	2	3.21
M649147		1.86	<0.005	<0.2	0.21	2	<10	<10	<0.5	<2	0.60	<0.5	39	886	2	3.55
M649148		1.88	0.006	<0.2	1.14	<2	<10	<10	<0.5	<2	2.56	<0.5	36	726	17	3.92
M649149		2.17	<0.005	<0.2	0.25	4	<10	<10	<0.5	<2	1.09	<0.5	41	874	15	3.34
M649150		1.82	<0.005	<0.2	0.15	4	<10	<10	<0.5	<2	0.63	<0.5	43	641	10	3.05
M649151		1.49	<0.005	<0.2	0.46	11	<10	10	1.5	<2	0.98	<0.5	35	522	12	2.72
M649152		1.85	<0.005	<0.2	0.20	5	<10	<10	<0.5	<2	0.44	<0.5	34	735	8	3.15
M649153		0.24	1.320	27.5	0.88	491	<10	500	<0.5	2	0.25	28.3	6	11	127	5.10
M649154		0.82	<0.005	<0.2	0.16	9	<10	<10	<0.5	<2	0.62	<0.5	33	545	8	2.94
M649155		1.54	<0.005	<0.2	0.40	19	<10	<10	<0.5	<2	2.06	<0.5	30	786	6	2.73
M649156		1.88	<0.005	<0.2	0.31	8	<10	<10	<0.5	<2	1.40	<0.5	36	669	10	3.21
M649157		1.87	<0.005	<0.2	0.23	5	<10	<10	<0.5	<2	1.11	<0.5	34	611	6	3.02
M649158		1.21	<0.005	<0.2	0.19	3	<10	<10	<0.5	<2	0.51	<0.5	38	689	18	3.38
M649159		1.81	<0.005	<0.2	0.23	13	<10	<10	<0.5	<2	0.90	<0.5	37	698	10	3.20
M649160		1.71	<0.005	<0.2	0.23	19	<10	<10	<0.5	<2	1.13	<0.5	41	746	11	3.44
M649161		1.81	<0.005	<0.2	0.25	20	<10	<10	<0.5	<2	0.61	<0.5	41	732	9	3.17
M649162		2.29	<0.005	<0.2	0.07	3	<10	10	<0.5	<2	18.3	<0.5	2	21	2	0.44
M649163		1.27	<0.005	<0.2	0.25	23	<10	10	<0.5	<2	1.46	<0.5	38	681	11	3.05
M649164		0.58	<0.005	<0.2	0.30	14	<10	<10	<0.5	<2	1.76	<0.5	43	757	10	3.21
M649165		1.59	<0.005	<0.2	0.31	28	<10	<10	<0.5	<2	2.53	<0.5	40	635	9	3.22



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Page: 2 - B
Total # Pages: 3 (A - C)
Finalized Date: 8- AUG- 2012
Account: F

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CERTIFICATE OF ANALYSIS WH12174515

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649126		<10	<1	<0.01	<10	12.50	716	<1	0.01	401	10	<2	<0.01	<2	6	8
M649127		<10	<1	<0.01	<10	12.20	496	<1	0.01	430	10	<2	<0.01	<2	5	3
M649128		<10	<1	<0.01	<10	11.85	671	<1	0.01	437	<10	<2	<0.01	<2	5	3
M649129		<10	<1	<0.01	<10	12.40	628	<1	0.01	419	<10	<2	<0.01	<2	6	7
M649130		<10	<1	<0.01	<10	10.95	673	<1	0.01	468	<10	<2	<0.01	<2	6	13
M649131		<10	<1	<0.01	<10	11.60	838	<1	0.01	450	<10	<2	<0.01	<2	6	17
M649132		<10	<1	<0.01	<10	11.60	946	<1	0.01	452	<10	<2	<0.01	<2	6	19
M649133		<10	<1	<0.01	<10	10.80	755	<1	0.01	426	<10	<2	<0.01	<2	5	16
M649134		<10	<1	<0.01	<10	11.30	872	<1	0.01	457	10	2	<0.01	<2	6	15
M649135		<10	<1	<0.01	<10	10.60	885	<1	0.01	431	10	<2	<0.01	<2	5	29
M649136		<10	1	0.09	50	0.07	293	9	0.25	35	930	33	1.42	24	1	95
M649137		<10	<1	<0.01	<10	10.20	838	1	0.02	391	20	<2	0.01	<2	5	32
M649138		<10	<1	<0.01	<10	10.60	631	<1	0.02	422	10	3	0.01	<2	5	34
M649139		<10	<1	<0.01	<10	10.50	765	<1	0.01	367	<10	<2	0.01	<2	6	18
M649140		<10	<1	<0.01	<10	10.60	598	<1	0.01	419	<10	2	0.01	<2	5	7
M649141		<10	<1	<0.01	<10	10.65	587	<1	0.01	433	<10	2	0.01	<2	5	9
M649142		<10	<1	<0.01	<10	10.90	656	<1	0.02	417	<10	2	0.01	<2	5	5
M649143		<10	1	0.01	<10	11.80	211	<1	0.02	6	210	2	0.08	<2	<1	44
M649144		<10	<1	<0.01	<10	9.71	601	<1	0.01	313	10	2	0.01	<2	5	8
M649145		<10	1	<0.01	<10	11.00	658	1	0.02	427	<10	<2	0.01	<2	5	6
M649146		<10	<1	<0.01	<10	10.10	547	<1	0.02	399	10	<2	0.01	<2	6	21
M649147		<10	<1	<0.01	<10	10.80	669	<1	0.02	448	<10	<2	0.01	<2	6	15
M649148		<10	<1	<0.01	<10	10.90	824	<1	0.02	427	80	3	0.01	<2	13	58
M649149		<10	<1	<0.01	<10	12.40	747	<1	0.02	550	10	2	0.01	<2	3	29
M649150		<10	<1	<0.01	<10	12.05	621	1	0.02	589	<10	3	0.01	<2	2	16
M649151		<10	1	0.03	<10	10.00	812	<1	0.02	566	<10	3	0.01	<2	3	42
M649152		<10	<1	<0.01	<10	10.25	593	<1	0.01	497	<10	<2	0.01	<2	6	14
M649153		<10	6	0.35	10	0.11	968	5	0.03	6	1190	2700	0.35	21	4	129
M649154		<10	<1	<0.01	<10	9.37	621	<1	0.01	495	<10	4	0.01	<2	5	21
M649155		<10	<1	<0.01	<10	10.25	724	<1	0.02	527	<10	2	0.01	<2	7	80
M649156		<10	<1	<0.01	<10	10.80	633	<1	0.02	553	<10	3	0.03	<2	6	54
M649157		<10	<1	<0.01	<10	11.20	690	<1	0.02	447	<10	3	0.03	<2	5	43
M649158		<10	<1	<0.01	<10	11.15	724	<1	0.02	514	<10	<2	0.04	<2	6	19
M649159		<10	1	<0.01	<10	11.65	640	<1	0.02	596	<10	2	0.03	<2	6	36
M649160		<10	1	<0.01	<10	11.45	595	<1	0.02	694	<10	3	0.04	<2	5	52
M649161		<10	<1	<0.01	<10	10.70	530	<1	0.01	776	<10	<2	0.07	<2	6	24
M649162		<10	1	0.05	<10	11.85	207	<1	0.02	19	200	<2	0.07	<2	<1	44
M649163		<10	<1	0.01	<10	9.92	596	<1	0.02	747	10	2	0.08	<2	6	67
M649164		<10	<1	<0.01	<10	10.65	668	1	0.02	774	<10	<2	0.10	<2	6	79
M649165		<10	<1	<0.01	<10	11.00	724	<1	0.02	750	<10	3	0.10	<2	6	128



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Page: 2 - C
 Total # Pages: 3 (A - C)
 Finalized Date: 8- AUG- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174515

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
M649126		<20	<0.01	<10	<10	15	<10	9
M649127		<20	<0.01	<10	<10	20	<10	7
M649128		<20	<0.01	<10	<10	21	<10	6
M649129		<20	<0.01	<10	<10	16	<10	7
M649130		<20	<0.01	<10	<10	20	<10	5
M649131		<20	<0.01	<10	<10	19	<10	7
M649132		<20	<0.01	<10	<10	22	<10	8
M649133		<20	<0.01	<10	<10	18	<10	7
M649134		<20	<0.01	<10	<10	18	<10	8
M649135		<20	<0.01	<10	<10	17	<10	7
M649136		<20	0.05	<10	<10	8	30	102
M649137		<20	<0.01	<10	<10	15	<10	8
M649138		<20	<0.01	<10	<10	16	<10	7
M649139		<20	<0.01	<10	<10	17	<10	7
M649140		<20	<0.01	<10	<10	15	<10	8
M649141		<20	<0.01	<10	<10	21	<10	9
M649142		<20	<0.01	<10	<10	21	<10	9
M649143		<20	<0.01	<10	<10	1	<10	13
M649144		<20	<0.01	<10	<10	16	<10	7
M649145		<20	<0.01	<10	<10	18	<10	12
M649146		<20	<0.01	<10	<10	21	<10	13
M649147		<20	<0.01	<10	<10	25	<10	12
M649148		<20	<0.01	<10	<10	38	<10	15
M649149		<20	<0.01	<10	<10	15	<10	7
M649150		<20	<0.01	<10	<10	11	<10	7
M649151		<20	<0.01	<10	<10	11	<10	13
M649152		<20	<0.01	<10	<10	18	<10	8
M649153		<20	<0.01	<10	<10	50	<10	1995
M649154		<20	<0.01	<10	<10	15	<10	12
M649155		<20	<0.01	<10	<10	19	<10	13
M649156		<20	<0.01	<10	<10	17	<10	11
M649157		<20	<0.01	<10	<10	10	<10	9
M649158		<20	<0.01	<10	<10	19	<10	11
M649159		<20	<0.01	<10	<10	12	<10	11
M649160		<20	<0.01	<10	<10	16	<10	11
M649161		<20	<0.01	<10	<10	14	<10	10
M649162		<20	<0.01	<10	<10	2	<10	13
M649163		<20	<0.01	<10	<10	13	<10	9
M649164		<20	<0.01	<10	<10	16	<10	10
M649165		<20	<0.01	<10	<10	13	<10	10



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Page: 3 - A
Total # Pages: 3 (A - C)
Finalized Date: 8- AUG- 2012
Account: F

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CERTIFICATE OF ANALYSIS WH12174515

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA24 Au ppm 0.005	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
M649166		1.67	<0.005	<0.2	0.32	19	<10	<10	<0.5	<2	2.96	<0.5	47	727	13	3.24
M649167		1.59	<0.005	<0.2	0.33	6	<10	<10	<0.5	<2	1.89	<0.5	45	786	11	3.52



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**Page: 3 - B
 Total # Pages: 3 (A - C)
 Finalized Date: 8- AUG- 2012
 Account: F**

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174515

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649166		<10	<1	<0.01	<10	11.20	757	<1	0.02	900	<10	4	0.14	<2	6	158
M649167		<10	<1	<0.01	<10	11.60	779	<1	0.02	818	<10	2	0.13	<2	7	107



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**Page: 3 - C
 Total # Pages: 3 (A - C)
 Finalized Date: 8- AUG- 2012
 Account: F**

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174515

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
M649166		<20	<0.01	<10	<10	12	<10	10
M649167		<20	<0.01	<10	<10	13	<10	9



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Page: 1
Finalized Date: 11- AUG- 2012
Account: F

CERTIFICATE WH12174514

Project: Vivi
P.O. No.: RCH- 12- 06
This report is for 41 RC Drill Chip samples submitted to our lab in Whitehorse, YT,
Canada on 25- JUL- 2012.

The following have access to data associated with this certificate:

DOUG BLANCHFLOWER

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
PUL- 31	Pulverize split to 85%<75 um
SPL- 22Y	Split Sample - Boyd Rotary Splitter
LOG- 24	Pulp Login - Rcd w/ o Barcode

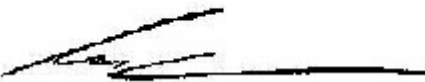
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Au- AA24	Au 50g FA AA finish	AAS

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 3 (A - C)
Finalized Date: 11- AUG- 2012
Account: F

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CERTIFICATE OF ANALYSIS WH12174514

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
M649168		2.12	0.005	<0.2	0.12	8	<10	<10	<0.5	<2	0.70	<0.5	39	801	3	3.46
M649169		2.13	<0.005	<0.2	0.11	6	<10	<10	<0.5	2	0.62	<0.5	37	857	8	3.43
M649170		1.88	<0.005	<0.2	0.08	2	<10	<10	<0.5	<2	1.05	<0.5	30	534	9	2.89
M649171		1.75	<0.005	<0.2	0.14	3	<10	<10	<0.5	2	0.55	<0.5	32	683	9	3.37
M649172		1.74	<0.005	<0.2	0.09	3	<10	<10	<0.5	<2	0.56	<0.5	29	506	6	2.94
M649173		1.95	<0.005	<0.2	0.12	2	<10	<10	<0.5	<2	0.84	<0.5	34	630	12	3.35
M649174		2.11	<0.005	<0.2	0.09	4	<10	<10	<0.5	<2	1.87	<0.5	28	482	7	2.93
M649175		1.65	<0.005	<0.2	0.17	<2	<10	<10	<0.5	<2	0.97	<0.5	31	583	6	3.06
M649176		3.07	<0.005	<0.2	0.02	2	<10	10	<0.5	<2	18.5	<0.5	1	4	1	0.42
M649177		1.99	<0.005	<0.2	0.18	<2	<10	<10	<0.5	<2	1.38	<0.5	31	555	6	3.11
M649178		1.86	<0.005	<0.2	0.15	3	<10	<10	<0.5	<2	1.07	<0.5	28	472	4	3.01
M649179		2.09	<0.005	<0.2	0.11	<2	<10	<10	<0.5	<2	0.61	<0.5	31	492	9	3.33
M649180		1.81	<0.005	<0.2	0.11	2	<10	<10	<0.5	<2	0.63	<0.5	30	660	7	3.43
M649181		1.78	<0.005	<0.2	0.11	4	<10	<10	<0.5	<2	0.61	<0.5	33	509	7	3.14
M649182		0.04	0.804	6.7	1.26	8640	160	20	<0.5	198	5.70	0.8	70	22	3370	2.97
M649183		1.96	<0.005	<0.2	0.12	6	<10	<10	<0.5	<2	0.71	<0.5	34	546	11	3.16
M649184		1.42	<0.005	<0.2	0.18	14	<10	<10	<0.5	<2	1.09	<0.5	36	594	9	3.21
M649185		1.81	<0.005	<0.2	0.17	4	<10	<10	<0.5	<2	1.09	<0.5	37	607	9	3.15
M649186		1.48	<0.005	<0.2	0.17	7	<10	<10	<0.5	<2	1.62	<0.5	43	519	11	3.13
M649187		2.05	<0.005	<0.2	0.28	5	<10	<10	<0.5	<2	1.23	<0.5	46	474	10	3.27
M649188		1.62	<0.005	<0.2	0.20	2	<10	<10	<0.5	<2	1.03	<0.5	45	518	12	3.21
M649189		0.20	1.405	31.1	0.88	510	<10	510	<0.5	<2	0.27	30.1	5	12	132	5.39
M649190		1.30	<0.005	<0.2	0.16	8	<10	<10	<0.5	<2	1.16	<0.5	42	468	13	3.27
M649191		1.83	<0.005	<0.2	0.15	7	<10	<10	<0.5	<2	2.04	<0.5	37	468	11	3.89
M649192		2.07	<0.005	<0.2	0.18	13	<10	<10	<0.5	2	1.68	<0.5	42	560	8	3.56
M649193		1.96	<0.005	<0.2	0.18	20	<10	10	<0.5	<2	8.3	<0.5	28	421	35	2.62
M649194		1.38	<0.005	<0.2	1.81	18	<10	380	<0.5	<2	3.24	<0.5	23	331	28	3.52
M649195		3.05	<0.005	<0.2	0.39	149	<10	100	<0.5	<2	0.52	<0.5	9	31	24	2.13
M649196		4.26	0.013	<0.2	0.27	126	<10	100	<0.5	2	0.16	<0.5	8	30	15	2.08
M649197		3.00	0.045	0.2	0.29	375	<10	60	<0.5	<2	1.01	<0.5	15	37	52	3.86
M649198		1.62	0.005	<0.2	1.26	70	<10	180	1.1	3	1.70	<0.5	39	27	100	8.18
M649199		4.01	<0.005	<0.2	1.31	31	<10	100	<0.5	<2	1.22	<0.5	21	42	89	4.01
M649200		3.65	<0.005	<0.2	1.65	8	<10	100	<0.5	<2	0.90	<0.5	20	43	67	4.30
M649201		3.01	<0.005	<0.2	0.03	3	<10	20	<0.5	<2	19.5	<0.5	1	<1	<1	0.43
M649202		3.09	<0.005	<0.2	1.71	16	<10	90	<0.5	2	1.10	<0.5	23	35	200	4.68
M649203		2.53	<0.005	<0.2	1.92	21	<10	100	<0.5	2	1.01	<0.5	18	35	48	4.72
M649204		2.53	0.005	<0.2	2.37	24	<10	140	<0.5	<2	2.44	<0.5	26	122	58	4.35
M649205		2.00	<0.005	<0.2	2.01	14	<10	70	0.6	3	3.34	<0.5	26	33	65	4.89
M649206		4.28	<0.005	<0.2	1.89	2	<10	200	<0.5	<2	1.92	<0.5	22	43	50	4.78
M649207		2.49	<0.005	<0.2	2.23	<2	<10	250	<0.5	<2	2.83	<0.5	24	46	55	4.73



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Page: 2 - B
 Total # Pages: 3 (A - C)
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 Account: F

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CERTIFICATE OF ANALYSIS WH12174514

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649168		<10	<1	<0.01	<10	10.55	668	<1	0.01	517	10	2	0.02	<2	5	22
M649169		<10	<1	<0.01	<10	10.80	698	<1	0.01	406	10	<2	0.02	<2	5	20
M649170		<10	<1	<0.01	<10	10.40	645	<1	0.01	275	<10	<2	0.02	<2	5	33
M649171		<10	<1	<0.01	<10	10.75	497	<1	<0.01	297	<10	<2	0.02	<2	5	20
M649172		<10	<1	<0.01	<10	10.25	563	<1	<0.01	266	<10	<2	0.02	<2	4	20
M649173		<10	<1	<0.01	<10	10.95	529	<1	0.01	311	<10	<2	0.02	<2	6	34
M649174		<10	<1	<0.01	<10	10.20	668	<1	0.01	232	<10	2	0.02	<2	5	64
M649175		<10	<1	<0.01	<10	10.45	642	<1	0.01	272	<10	<2	0.02	<2	6	36
M649176		<10	<1	0.01	<10	11.50	204	<1	0.01	3	180	2	0.03	<2	<1	45
M649177		<10	<1	<0.01	<10	10.55	670	<1	0.01	309	<10	<2	0.02	<2	6	52
M649178		<10	<1	<0.01	<10	10.25	638	<1	0.01	258	<10	<2	0.02	<2	5	41
M649179		<10	<1	<0.01	<10	11.35	816	<1	0.01	314	<10	<2	0.02	<2	5	21
M649180		<10	<1	<0.01	<10	10.55	625	<1	<0.01	336	<10	<2	0.02	<2	5	23
M649181		<10	<1	<0.01	<10	10.55	643	<1	<0.01	389	<10	<2	0.02	<2	5	22
M649182		<10	<1	0.06	40	0.07	278	8	0.23	36	900	30	1.45	23	1	93
M649183		<10	<1	<0.01	<10	10.95	723	<1	0.01	451	<10	<2	0.02	<2	5	25
M649184		<10	<1	<0.01	<10	10.10	591	<1	0.01	753	<10	<2	0.02	<2	5	58
M649185		<10	<1	<0.01	<10	10.65	647	<1	0.01	547	<10	<2	0.02	<2	6	49
M649186		<10	<1	<0.01	<10	9.91	563	<1	0.01	924	<10	<2	0.03	<2	4	84
M649187		<10	<1	<0.01	<10	9.48	585	<1	<0.01	864	<10	<2	0.14	<2	5	68
M649188		<10	<1	<0.01	<10	10.20	607	<1	0.01	846	<10	<2	0.16	<2	6	56
M649189		<10	5	0.35	10	0.12	1020	4	0.02	7	1190	2720	0.39	18	4	127
M649190		<10	<1	<0.01	<10	9.64	657	<1	0.01	878	<10	2	0.08	<2	5	69
M649191		<10	1	<0.01	<10	11.25	828	<1	0.01	782	<10	2	0.02	<2	6	119
M649192		<10	1	<0.01	<10	10.05	670	<1	0.01	816	<10	2	0.08	<2	5	81
M649193		<10	1	<0.01	<10	6.89	1130	<1	0.02	643	<10	3	0.09	<2	7	420
M649194		10	<1	0.70	<10	4.19	812	<1	0.04	224	340	6	0.02	<2	10	51
M649195		<10	<1	0.12	10	0.59	363	<1	0.01	44	380	7	0.02	<2	3	11
M649196		<10	1	0.14	10	0.31	254	<1	0.01	41	270	15	0.02	2	2	9
M649197		<10	1	0.07	<10	0.85	540	<1	0.01	57	340	29	0.05	4	11	19
M649198		<10	1	0.26	<10	1.91	1150	<1	0.04	49	810	12	1.03	2	25	17
M649199		10	1	0.09	<10	1.40	684	<1	0.11	41	620	7	0.36	<2	12	15
M649200		10	1	0.13	<10	1.49	581	<1	0.10	33	610	13	0.22	<2	14	12
M649201		<10	1	0.01	<10	11.60	209	<1	0.02	<1	170	<2	0.03	<2	<1	46
M649202		<10	<1	0.12	<10	1.31	472	<1	0.13	30	640	12	0.43	2	13	11
M649203		10	<1	0.13	<10	1.47	594	<1	0.08	22	820	12	0.15	<2	14	12
M649204		10	1	0.84	10	2.28	636	<1	0.14	67	910	6	0.21	<2	15	22
M649205		10	1	0.20	<10	2.02	884	<1	0.09	31	890	34	0.29	<2	17	31
M649206		10	1	0.94	<10	1.65	599	<1	0.13	32	810	5	0.09	<2	11	19
M649207		10	<1	1.31	<10	1.79	651	<1	0.14	33	840	<2	0.04	<2	13	30



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Page: 2 - C
 Total # Pages: 3 (A - C)
 Finalized Date: 11- AUG- 2012
 Account: F

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CERTIFICATE OF ANALYSIS WH12174514

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
M649168		<20	<0.01	<10	<10	20	<10	8
M649169		<20	<0.01	<10	<10	18	<10	8
M649170		<20	<0.01	<10	<10	13	<10	8
M649171		<20	<0.01	<10	<10	18	<10	7
M649172		<20	<0.01	<10	<10	12	<10	7
M649173		<20	<0.01	<10	<10	15	<10	9
M649174		<20	<0.01	<10	<10	12	<10	7
M649175		<20	<0.01	<10	<10	14	<10	8
M649176		<20	<0.01	<10	<10	2	<10	13
M649177		<20	<0.01	<10	<10	14	<10	8
M649178		<20	<0.01	<10	<10	12	<10	8
M649179		<20	<0.01	<10	<10	13	<10	6
M649180		<20	<0.01	<10	<10	20	<10	6
M649181		<20	<0.01	<10	<10	13	<10	8
M649182		<20	0.04	<10	<10	7	20	100
M649183		<20	<0.01	<10	<10	13	<10	8
M649184		<20	<0.01	<10	<10	12	<10	8
M649185		<20	<0.01	<10	<10	14	<10	8
M649186		<20	<0.01	<10	<10	13	<10	7
M649187		<20	<0.01	<10	<10	19	<10	7
M649188		<20	<0.01	<10	<10	12	<10	8
M649189		<20	<0.01	<10	<10	52	<10	2110
M649190		<20	<0.01	<10	<10	12	<10	12
M649191		<20	<0.01	<10	<10	9	<10	11
M649192		<20	<0.01	<10	<10	12	<10	12
M649193		<20	<0.01	<10	<10	10	<10	10
M649194		<20	0.17	<10	<10	82	<10	38
M649195		<20	0.01	<10	<10	27	<10	47
M649196		<20	<0.01	<10	<10	20	<10	32
M649197		<20	<0.01	<10	<10	73	<10	44
M649198		<20	0.09	<10	<10	190	<10	96
M649199		<20	0.16	<10	<10	123	<10	49
M649200		<20	0.19	<10	<10	130	<10	54
M649201		<20	<0.01	<10	<10	1	<10	10
M649202		<20	0.24	<10	<10	132	<10	58
M649203		<20	0.22	<10	<10	140	<10	63
M649204		<20	0.25	<10	<10	161	<10	69
M649205		<20	0.16	<10	<10	192	<10	75
M649206		<20	0.28	<10	<10	168	<10	62
M649207		<20	0.38	<10	<10	189	<10	61



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**Page: 3 - A
 Total # Pages: 3 (A - C)
 Finalized Date: 11- AUG- 2012
 Account: F**

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CERTIFICATE OF ANALYSIS WH12174514

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA24 Au ppm 0.005	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
M649208		3.39	<0.005	<0.2	2.21	7	<10	100	<0.5	<2	1.66	<0.5	23	107	57	3.93



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Page: 3 - B
Total # Pages: 3 (A - C)
Finalized Date: 11- AUG- 2012
Account: F

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CERTIFICATE OF ANALYSIS WH12174514

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649208		10	<1	0.69	<10	2.26	477	<1	0.12	58	730	2	0.04	<2	9	15



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**Page: 3 - C
 Total # Pages: 3 (A - C)
 Finalized Date: 11- AUG- 2012
 Account: F**

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174514

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
M649208		<20	0.20	<10	<10	117	<10	48



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Page: 1
Finalized Date: 8- AUG- 2012
Account: F

CERTIFICATE WH12174513

Project: Vivi
P.O. No.: RCH- 12- 07
This report is for 40 RC Drill Chip samples submitted to our lab in Whitehorse, YT,
Canada on 25- JUL- 2012.

The following have access to data associated with this certificate:

DOUG BLANCHFLOWER

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%< 2mm
PUL- 31	Pulverize split to 85%< 75 um
SPL- 22Y	Split Sample - Boyd Rotary Splitter
LOG- 24	Pulp Login - Rcd w/ o Barcode

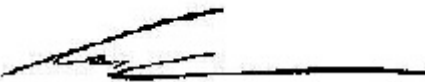
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Au- AA24	Au 50g FA AA finish	AAS

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - C)
Finalized Date: 8- AUG- 2012
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CERTIFICATE OF ANALYSIS WH12174513

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
M649209		1.31	0.009	0.5	1.45	324	<10	120	1.8	3	0.25	<0.5	44	75	227	9.94
M649210		0.55	0.162	1.6	0.96	921	<10	110	0.7	2	0.12	<0.5	33	28	60	11.80
M649211		0.99	0.534	0.6	1.16	3320	<10	70	0.7	3	2.45	<0.5	25	15	50	6.66
M649212		1.40	0.029	<0.2	1.56	238	<10	110	<0.5	<2	1.09	<0.5	22	22	79	4.60
M649213		1.28	0.005	<0.2	1.45	74	<10	50	<0.5	<2	1.01	<0.5	20	17	107	4.10
M649214		1.56	<0.005	<0.2	1.78	63	<10	80	<0.5	2	1.19	<0.5	23	41	41	5.02
M649215		1.00	0.015	0.3	2.00	145	<10	140	<0.5	<2	2.18	<0.5	30	58	94	5.52
M649216		1.45	0.005	0.5	2.67	97	<10	150	1.1	<2	4.29	<0.5	29	157	24	5.86
M649217		2.20	<0.005	<0.2	0.03	2	<10	30	<0.5	<2	18.7	<0.5	1	1	2	0.43
M649218		1.63	0.009	0.4	2.71	61	<10	150	0.6	2	2.73	0.6	27	160	53	4.15
M649219		0.72	<0.005	<0.2	2.07	16	<10	130	<0.5	<2	2.30	<0.5	19	124	43	3.47
M649220		2.75	<0.005	<0.2	1.90	3	<10	90	<0.5	<2	1.26	<0.5	15	148	36	2.96
M649221		1.60	<0.005	<0.2	2.79	15	<10	160	<0.5	<2	2.76	<0.5	29	97	81	5.75
M649222		2.72	<0.005	<0.2	1.80	8	<10	70	<0.5	<2	2.08	<0.5	18	58	42	3.78
M649223		2.03	<0.005	<0.2	1.46	5	<10	60	<0.5	<2	2.19	<0.5	15	23	37	3.19
M649224		2.57	<0.005	<0.2	1.55	<2	<10	60	<0.5	<2	1.69	<0.5	17	24	43	3.40
M649225		1.88	<0.005	<0.2	1.49	4	<10	50	<0.5	<2	1.94	<0.5	14	25	40	3.48
M649226		0.05	0.784	7.2	1.31	8050	160	40	<0.5	207	5.55	1.0	66	20	3230	2.91
M649227		3.05	<0.005	<0.2	1.59	10	<10	60	<0.5	<2	3.11	<0.5	16	72	67	3.09
M649228		2.68	<0.005	<0.2	1.83	15	<10	130	<0.5	<2	3.07	<0.5	18	57	39	4.32
M649229		1.10	0.007	<0.2	1.87	55	<10	70	<0.5	<2	2.81	<0.5	14	106	56	2.60
M649230		1.68	0.009	<0.2	1.88	67	<10	170	<0.5	<2	4.51	<0.5	14	125	56	3.00
M649231		2.35	0.005	<0.2	2.05	38	<10	80	<0.5	<2	4.25	<0.5	12	110	58	2.61
M649232		1.43	0.010	<0.2	1.87	69	<10	130	<0.5	<2	5.47	<0.5	14	124	69	2.80
M649233		2.56	0.007	<0.2	1.68	52	<10	100	<0.5	<2	4.54	<0.5	84	92	67	2.65
M649234		1.28	<0.005	<0.2	0.03	<2	<10	20	<0.5	<2	18.7	<0.5	1	1	1	0.40
M649235		1.22	0.029	<0.2	2.27	85	<10	170	0.5	<2	5.12	<0.5	19	97	55	3.67
M649236		1.41	<0.005	<0.2	1.87	18	<10	120	<0.5	<2	4.85	<0.5	17	143	52	2.78
M649237		1.52	<0.005	<0.2	2.47	36	<10	770	<0.5	<2	5.29	<0.5	19	221	88	2.81
M649238		1.96	0.006	<0.2	1.84	45	<10	300	<0.5	<2	7.4	<0.5	17	188	68	2.82
M649239		1.55	<0.005	<0.2	1.97	30	<10	290	<0.5	<2	7.2	<0.5	19	186	56	3.17
M649240		1.07	<0.005	<0.2	2.19	24	<10	410	<0.5	<2	5.77	<0.5	18	194	61	3.07
M649241		1.40	<0.005	<0.2	2.21	8	<10	250	<0.5	<2	4.64	<0.5	19	122	59	3.49
M649242		1.58	<0.005	<0.2	2.10	17	<10	210	<0.5	<2	3.55	<0.5	19	120	56	3.79
M649243		0.21	1.390	30.0	0.95	488	<10	530	<0.5	<2	0.27	30.1	5	11	129	5.44
M649244		1.15	<0.005	<0.2	2.21	13	<10	200	<0.5	<2	4.10	<0.5	19	115	59	3.91
M649245		0.98	0.007	<0.2	1.95	34	<10	130	<0.5	<2	4.56	<0.5	22	113	65	3.63
M649246		1.67	<0.005	<0.2	2.07	17	<10	200	<0.5	<2	3.72	<0.5	18	124	45	3.00
M649247		1.97	<0.005	<0.2	2.05	3	<10	120	<0.5	<2	3.37	<0.5	111	94	53	3.05
M649248		2.96	<0.005	<0.2	2.24	10	<10	220	<0.5	<2	1.69	<0.5	29	41	49	4.71



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Page: 2 - B
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CERTIFICATE OF ANALYSIS WH12174513

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Se
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
M649209		<10	1	0.18	<10	0.86	941	<1	0.02	178	720	4	0.04	6	35
M649210		<10	1	0.25	<10	0.37	917	1	0.01	75	830	14	0.09	74	26
M649211		<10	<1	0.17	<10	1.52	1205	<1	0.05	33	640	3	0.42	34	21
M649212		10	<1	0.07	<10	1.26	584	<1	0.12	36	740	<2	0.14	5	15
M649213		10	<1	0.04	<10	1.17	535	<1	0.13	27	780	15	0.12	2	13
M649214		10	<1	0.10	<10	1.35	928	<1	0.16	29	690	38	0.05	<2	18
M649215		10	<1	0.18	<10	1.65	1515	<1	0.17	49	790	87	0.19	5	18
M649216		10	1	0.32	<10	3.22	1445	<1	0.06	105	630	102	0.09	6	21
M649217		<10	<1	0.01	<10	11.95	196	<1	0.01	3	170	<2	0.06	<2	<1
M649218		10	<1	0.45	<10	2.76	1115	<1	0.13	108	600	110	0.07	<2	16
M649219		10	<1	0.24	<10	2.44	871	<1	0.19	76	630	11	0.06	<2	12
M649220		10	<1	0.27	<10	2.08	354	<1	0.24	60	550	3	0.01	<2	11
M649221		10	<1	0.54	<10	2.86	965	<1	0.07	70	720	20	0.02	3	20
M649222		10	<1	0.25	<10	1.83	655	<1	0.18	39	790	9	0.03	2	12
M649223		10	<1	0.20	<10	1.26	466	<1	0.23	18	860	2	0.01	3	12
M649224		10	<1	0.23	<10	1.40	451	<1	0.20	19	820	<2	0.01	2	11
M649225		10	<1	0.20	<10	1.31	492	<1	0.23	20	830	2	0.03	<2	12
M649226		<10	1	0.07	50	0.06	286	7	0.22	33	910	27	1.33	27	1
M649227		<10	1	0.19	<10	1.40	546	<1	0.27	38	610	<2	0.01	<2	11
M649228		10	<1	0.76	<10	1.51	677	<1	0.16	42	690	<2	0.17	3	12
M649229		<10	<1	0.19	<10	1.82	487	<1	0.32	44	440	3	0.03	3	11
M649230		<10	1	0.53	<10	2.02	715	<1	0.23	56	500	6	0.06	2	12
M649231		<10	<1	0.28	<10	1.73	543	<1	0.29	47	480	<2	0.04	2	12
M649232		<10	<1	0.53	<10	1.89	711	<1	0.19	56	410	4	0.04	2	11
M649233		<10	<1	0.36	<10	1.62	591	<1	0.18	46	370	2	0.04	<2	11
M649234		<10	<1	0.01	<10	12.10	198	<1	0.01	1	170	<2	0.05	2	<1
M649235		<10	1	0.80	<10	2.07	795	<1	0.15	62	330	2	0.04	3	14
M649236		<10	<1	0.52	<10	1.63	545	<1	0.15	65	270	2	0.01	2	11
M649237		<10	<1	0.71	<10	2.10	711	<1	0.22	92	350	6	0.02	<2	10
M649238		<10	<1	0.82	<10	1.93	850	<1	0.12	75	350	9	0.04	<2	10
M649239		<10	<1	0.98	<10	2.13	917	<1	0.10	77	380	16	0.03	<2	10
M649240		<10	1	1.05	<10	2.18	769	<1	0.17	76	380	18	0.03	2	11
M649241		<10	<1	0.91	<10	2.17	749	<1	0.19	53	450	9	0.03	3	12
M649242		<10	<1	0.92	<10	1.93	597	<1	0.19	53	550	3	0.03	2	13
M649243		<10	5	0.37	10	0.09	1015	4	0.02	5	1250	2860	0.37	23	4
M649244		10	1	0.94	<10	2.05	661	<1	0.21	51	560	6	0.04	<2	13
M649245		<10	1	0.50	<10	2.24	886	1	0.24	58	510	10	0.07	<2	14
M649246		<10	1	0.34	<10	2.05	575	<1	0.31	57	500	9	0.04	<2	12
M649247		10	<1	0.46	<10	1.80	460	1	0.34	42	560	4	0.04	<2	11
M649248		10	<1	1.07	<10	2.06	553	<1	0.24	25	850	6	0.06	<2	14



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Page: 2 - C
 Total # Pages: 2 (A - C)
 Finalized Date: 8- AUG- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174513

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
M649209		<20	0.01	<10	<10	183	<10	130
M649210		<20	<0.01	<10	<10	77	<10	124
M649211		<20	0.02	<10	<10	117	<10	79
M649212		<20	0.18	<10	<10	152	<10	51
M649213		<20	0.17	<10	<10	133	<10	51
M649214		<20	0.14	10	<10	151	<10	65
M649215		<20	0.17	10	<10	154	<10	84
M649216		<20	0.07	10	<10	146	<10	86
M649217		<20	<0.01	<10	<10	1	<10	13
M649218		<20	0.10	<10	<10	121	<10	70
M649219		<20	0.10	<10	<10	95	<10	47
M649220		<20	0.14	10	<10	90	<10	30
M649221		<20	0.28	<10	<10	200	<10	77
M649222		<20	0.17	<10	<10	134	<10	47
M649223		<20	0.21	<10	<10	147	<10	39
M649224		<20	0.19	<10	<10	137	<10	42
M649225		<20	0.22	<10	<10	151	<10	39
M649226		<20	0.04	<10	<10	7	30	98
M649227		<20	0.20	<10	<10	115	<10	34
M649228		<20	0.46	<10	<10	186	<10	43
M649229		<20	0.16	<10	<10	100	<10	28
M649230		<20	0.20	<10	<10	99	<10	30
M649231		<20	0.17	<10	<10	87	<10	24
M649232		<20	0.18	<10	<10	87	<10	28
M649233		<20	0.14	<10	<10	88	450	29
M649234		<20	<0.01	<10	<10	1	<10	13
M649235		<20	0.15	<10	<10	99	<10	40
M649236		<20	0.20	<10	<10	98	<10	28
M649237		<20	0.19	<10	<10	85	<10	33
M649238		<20	0.19	<10	<10	87	<10	31
M649239		<20	0.19	<10	<10	93	<10	34
M649240		<20	0.23	<10	<10	99	<10	33
M649241		<20	0.26	<10	<10	114	<10	43
M649242		<20	0.30	<10	<10	135	<10	41
M649243		<20	<0.01	<10	<10	51	<10	2040
M649244		<20	0.32	<10	<10	134	<10	42
M649245		<20	0.22	<10	<10	112	20	41
M649246		<20	0.19	<10	<10	102	<10	37
M649247		<20	0.22	<10	<10	123	500	38
M649248		<20	0.32	<10	<10	203	90	56



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Page: 1
Finalized Date: 10- AUG- 2012
Account: F

CERTIFICATE WH12174512

Project: Vivi
P.O. No.: RCH- 12- 08
This report is for 40 RC Drill Chip samples submitted to our lab in Whitehorse, YT,
Canada on 25- JUL- 2012.

The following have access to data associated with this certificate:

DOUG BLANCHFLOWER

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%< 2mm
PUL- 31	Pulverize split to 85%< 75 um
SPL- 22Y	Split Sample - Boyd Rotary Splitter
LOG- 24	Pulp Login - Rcd w/ o Barcode

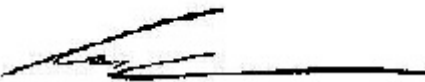
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Au- AA24	Au 50g FA AA finish	AAS

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - C)
Finalized Date: 10- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174512

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
M649249		2.67	<0.005	<0.2	0.21	5	<10	<10	<0.5	<2	0.65	<0.5	37	523	10	3.36
M649250		1.46	<0.005	<0.2	0.19	8	<10	<10	<0.5	<2	0.35	<0.5	36	530	4	3.48
M649251		1.77	<0.005	<0.2	0.18	7	<10	<10	<0.5	<2	0.36	<0.5	42	573	9	3.57
M649252		1.80	<0.005	<0.2	0.34	8	<10	<10	<0.5	<2	0.71	<0.5	35	662	7	3.28
M649253		1.22	<0.005	<0.2	0.03	<2	<10	<10	<0.5	<2	19.1	<0.5	1	11	<1	0.46
M649254		2.09	<0.005	<0.2	0.84	<2	<10	<10	<0.5	<2	2.27	<0.5	26	614	4	2.58
M649255		2.21	<0.005	<0.2	0.17	2	<10	<10	<0.5	<2	1.25	<0.5	35	578	9	3.34
M649256		2.21	<0.005	<0.2	0.16	<2	<10	<10	<0.5	<2	0.87	<0.5	36	527	10	3.37
M649257		1.73	<0.005	<0.2	0.22	6	<10	<10	<0.5	<2	0.43	<0.5	42	727	10	3.51
M649258		1.90	<0.005	<0.2	0.17	3	<10	<10	<0.5	<2	0.51	<0.5	38	681	9	3.34
M649259		1.59	<0.005	<0.2	0.25	3	<10	<10	<0.5	<2	0.60	<0.5	40	895	11	3.65
M649260		1.95	<0.005	<0.2	0.23	<2	<10	<10	<0.5	<2	1.07	<0.5	37	784	10	3.47
M649261		0.04	0.837	7.6	1.40	9180	180	10	0.5	212	5.72	1.0	72	22	3390	3.16
M649262		2.19	<0.005	<0.2	0.26	5	<10	<10	<0.5	<2	1.46	<0.5	38	694	11	3.45
M649263		2.10	<0.005	<0.2	0.33	10	<10	<10	<0.5	<2	0.78	<0.5	40	719	9	3.52
M649264		1.96	<0.005	<0.2	0.24	4	<10	<10	<0.5	<2	0.93	<0.5	39	571	12	3.32
M649265		0.92	<0.005	<0.2	0.32	6	<10	<10	<0.5	<2	2.03	<0.5	40	763	10	3.21
M649266		1.35	<0.005	<0.2	3.42	4	<10	390	<0.5	2	1.53	<0.5	38	666	146	4.47
M649267		1.45	<0.005	0.2	1.86	5	<10	360	0.5	<2	0.48	<0.5	21	122	168	4.59
M649268		1.73	0.010	<0.2	0.04	<2	<10	20	<0.5	<2	21.4	<0.5	1	2	1	0.50
M649269		1.58	<0.005	<0.2	1.22	11	<10	460	0.6	<2	0.43	<0.5	14	70	44	3.21
M649270		3.07	<0.005	<0.2	1.57	4	<10	280	<0.5	<2	0.74	<0.5	28	59	106	4.00
M649271		1.86	<0.005	<0.2	2.17	2	<10	190	0.8	<2	1.58	<0.5	44	63	131	5.58
M649272		2.42	<0.005	<0.2	1.46	<2	<10	30	<0.5	<2	2.87	<0.5	22	90	62	3.67
M649273		2.31	<0.005	<0.2	1.43	3	<10	30	<0.5	<2	2.07	<0.5	22	57	79	4.05
M649274		1.46	<0.005	<0.2	1.95	2	<10	50	<0.5	<2	2.47	<0.5	25	54	84	5.08
M649275		2.17	<0.005	<0.2	2.24	<2	<10	500	<0.5	<2	2.41	<0.5	28	54	78	6.03
M649276		2.27	<0.005	<0.2	2.17	2	<10	370	<0.5	<2	2.66	<0.5	26	52	87	6.16
M649277		2.31	<0.005	<0.2	2.26	<2	<10	60	0.5	<2	2.79	<0.5	28	59	84	5.99
M649278		0.20	1.275	33.9	1.09	559	<10	570	0.5	3	0.30	33.0	5	12	138	5.87
M649279		2.28	<0.005	<0.2	2.02	2	<10	30	<0.5	<2	2.44	<0.5	24	84	67	4.79
M649280		1.91	<0.005	<0.2	2.81	8	<10	50	<0.5	<2	1.44	<0.5	26	45	51	5.81
M649281		1.78	<0.005	<0.2	2.45	3	<10	220	<0.5	<2	2.65	<0.5	30	69	106	6.09
M649282		2.70	<0.005	<0.2	2.69	<2	<10	160	<0.5	<2	2.29	<0.5	23	189	43	3.83
M649283		1.64	0.016	0.6	1.35	24	<10	50	0.8	<2	6.90	<0.5	22	81	39	5.89
M649284		2.04	<0.005	<0.2	2.38	7	<10	120	<0.5	<2	3.93	<0.5	26	177	54	4.62
M649285		1.78	<0.005	<0.2	2.32	7	<10	120	<0.5	<2	5.58	<0.5	27	203	80	4.32
M649286		1.63	<0.005	<0.2	2.70	2	<10	190	<0.5	<2	4.96	<0.5	29	223	93	4.24
M649287		1.67	<0.005	<0.2	2.47	2	<10	120	0.5	<2	6.20	<0.5	28	164	116	4.87
M649288		1.07	<0.005	<0.2	2.43	<2	<10	80	1.9	<2	4.45	<0.5	43	112	143	5.55



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Page: 2 - B
Total # Pages: 2 (A - C)
Finalized Date: 10- AUG- 2012
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CERTIFICATE OF ANALYSIS WH12174512

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649249		<10	<1	0.02	<10	11.00	563	<1	0.01	570	20	2	<0.01	<2	6	18
M649250		<10	<1	<0.01	<10	11.40	539	<1	0.01	586	<10	<2	<0.01	<2	6	9
M649251		<10	<1	<0.01	<10	11.45	634	<1	0.01	686	<10	<2	<0.01	<2	5	12
M649252		<10	<1	<0.01	<10	10.50	754	<1	0.01	604	<10	<2	<0.01	<2	6	24
M649253		<10	<1	0.01	<10	12.50	207	<1	0.02	16	180	<2	0.01	<2	<1	42
M649254		<10	<1	<0.01	<10	9.53	677	<1	0.01	416	<10	2	<0.01	<2	7	81
M649255		<10	<1	<0.01	<10	10.85	664	<1	0.01	573	<10	2	<0.01	<2	5	57
M649256		<10	<1	<0.01	<10	11.10	607	<1	0.01	642	<10	<2	<0.01	<2	5	39
M649257		<10	<1	<0.01	<10	11.50	635	<1	0.01	766	<10	<2	<0.01	<2	6	15
M649258		<10	<1	<0.01	<10	11.90	626	<1	0.01	604	<10	<2	<0.01	<2	6	16
M649259		<10	<1	<0.01	<10	12.00	583	<1	0.01	707	<10	2	<0.01	<2	6	19
M649260		<10	<1	<0.01	<10	11.15	568	<1	0.01	572	<10	<2	<0.01	<2	7	39
M649261		<10	<1	0.07	50	0.08	301	7	0.25	36	960	31	1.44	25	1	94
M649262		<10	<1	<0.01	<10	11.30	679	<1	0.01	660	<10	<2	<0.01	<2	6	54
M649263		<10	<1	<0.01	<10	10.70	612	<1	0.01	805	10	3	<0.01	<2	6	27
M649264		<10	<1	<0.01	<10	10.65	584	<1	0.01	718	10	<2	<0.01	<2	5	36
M649265		<10	<1	<0.01	<10	9.87	719	<1	0.01	782	<10	2	<0.01	<2	6	90
M649266		10	1	0.62	10	5.87	916	<1	0.04	544	460	5	0.01	<2	15	45
M649267		10	<1	0.96	20	2.21	794	<1	0.08	126	690	6	0.07	5	11	14
M649268		<10	<1	<0.01	<10	13.00	236	<1	0.02	3	200	<2	0.06	4	<1	47
M649269		10	<1	0.34	20	1.07	565	1	0.07	56	460	2	0.14	6	9	5
M649270		10	<1	0.22	10	1.41	1345	<1	0.10	78	530	<2	0.28	6	14	10
M649271		10	<1	0.20	<10	2.35	1675	<1	0.06	118	610	2	0.66	4	20	20
M649272		10	<1	0.07	<10	2.34	740	<1	0.20	74	480	2	0.23	3	14	30
M649273		10	<1	0.04	<10	1.97	661	<1	0.20	56	620	<2	0.36	3	14	16
M649274		10	<1	0.06	<10	2.22	788	<1	0.18	47	740	<2	0.57	2	18	19
M649275		10	<1	0.84	<10	2.35	823	<1	0.17	58	760	2	0.19	3	16	31
M649276		10	<1	0.52	<10	2.24	911	<1	0.14	51	730	2	0.49	3	17	33
M649277		10	<1	0.10	<10	2.56	1010	<1	0.12	50	640	2	0.69	2	19	28
M649278		10	6	0.40	10	0.10	1135	5	0.03	6	1400	3120	0.40	22	5	152
M649279		10	<1	0.06	<10	2.34	806	<1	0.15	56	900	4	0.35	3	16	19
M649280		10	<1	0.12	<10	2.28	681	<1	0.12	29	850	4	0.27	4	20	11
M649281		10	<1	0.66	<10	2.66	972	<1	0.11	57	730	<2	0.58	2	19	21
M649282		10	<1	0.72	<10	2.94	618	<1	0.18	95	890	<2	0.06	<2	12	13
M649283		<10	<1	0.25	<10	3.35	1210	<1	0.05	66	480	2	1.09	18	17	59
M649284		10	<1	0.62	<10	2.50	843	<1	0.16	90	680	2	0.20	3	16	33
M649285		10	<1	0.32	<10	2.59	990	<1	0.22	106	530	2	0.22	<2	16	44
M649286		10	<1	0.56	<10	2.79	845	<1	0.21	110	440	<2	0.18	2	16	42
M649287		10	<1	0.55	<10	2.61	1020	<1	0.16	85	530	3	0.26	5	21	41
M649288		10	<1	0.26	<10	3.60	1335	<1	0.04	112	580	5	0.53	2	27	39



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Page: 2 - C
 Total # Pages: 2 (A - C)
 Finalized Date: 10- AUG- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174512

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
M649249		<20	0.01	<10	<10	15	<10	9
M649250		<20	<0.01	<10	<10	11	<10	8
M649251		<20	<0.01	<10	<10	12	<10	8
M649252		<20	<0.01	<10	<10	15	<10	9
M649253		<20	<0.01	<10	10	1	<10	10
M649254		<20	<0.01	<10	<10	25	<10	10
M649255		<20	<0.01	<10	<10	14	<10	9
M649256		<20	<0.01	<10	<10	12	<10	8
M649257		<20	<0.01	<10	<10	17	<10	10
M649258		<20	<0.01	<10	<10	15	<10	8
M649259		<20	<0.01	<10	<10	20	<10	8
M649260		<20	<0.01	<10	<10	20	<10	8
M649261		<20	0.05	<10	<10	8	30	104
M649262		<20	<0.01	<10	<10	20	<10	9
M649263		<20	<0.01	<10	<10	19	<10	9
M649264		<20	<0.01	<10	<10	13	<10	7
M649265		<20	<0.01	<10	<10	15	<10	10
M649266		<20	0.16	<10	<10	127	<10	62
M649267		<20	0.28	<10	<10	148	<10	82
M649268		<20	<0.01	<10	<10	2	<10	14
M649269		<20	0.09	<10	<10	97	<10	53
M649270		<20	0.16	<10	<10	130	<10	58
M649271		<20	0.14	<10	<10	163	<10	71
M649272		<20	0.18	<10	<10	118	<10	39
M649273		<20	0.18	<10	<10	126	<10	41
M649274		<20	0.23	<10	<10	185	<10	58
M649275		<20	0.35	<10	<10	201	<10	67
M649276		<20	0.34	<10	<10	214	<10	64
M649277		<20	0.21	<10	<10	192	<10	69
M649278		<20	0.01	<10	<10	59	<10	2290
M649279		<20	0.23	<10	<10	144	<10	65
M649280		<20	0.25	<10	<10	215	<10	81
M649281		<20	0.34	<10	<10	195	<10	77
M649282		<20	0.23	<10	<10	119	<10	54
M649283		<20	0.06	<10	<10	111	<10	56
M649284		<20	0.27	<10	<10	167	<10	61
M649285		<20	0.23	<10	<10	143	<10	57
M649286		<20	0.20	<10	<10	132	<10	53
M649287		<20	0.22	<10	<10	177	<10	65
M649288		<20	0.07	<10	<10	176	<10	87



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Page: 1
Finalized Date: 10- AUG- 2012
Account: F

CERTIFICATE WH12174511

Project: Vivi
P.O. No.: RCH- 12- 09
This report is for 40 RC Drill Chip samples submitted to our lab in Whitehorse, YT,
Canada on 25- JUL- 2012.

The following have access to data associated with this certificate:

DOUG BLANCHFLOWER

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

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

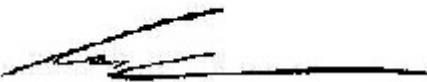
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Au- AA24	Au 50g FA AA finish	AAS

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - C)
Finalized Date: 10- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174511

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
M649289		1.72	0.006	<0.2	0.19	4	<10	10	<0.5	<2	0.80	<0.5	31	590	13	3.18
M649290		1.37	<0.005	<0.2	0.12	4	<10	<10	<0.5	<2	0.44	<0.5	33	746	10	3.35
M649291		1.69	<0.005	<0.2	0.15	4	<10	<10	<0.5	<2	0.32	<0.5	31	697	8	3.24
M649292		1.40	<0.005	<0.2	0.17	2	<10	<10	<0.5	<2	0.22	<0.5	32	782	9	3.58
M649293		1.80	<0.005	<0.2	0.17	3	<10	<10	<0.5	<2	0.34	<0.5	32	795	5	3.51
M649294		1.74	<0.005	<0.2	0.17	5	<10	<10	<0.5	<2	0.23	<0.5	31	832	12	3.55
M649295		1.30	<0.005	<0.2	0.28	4	<10	<10	<0.5	<2	0.27	<0.5	35	982	8	3.69
M649296		0.86	<0.005	<0.2	0.03	<2	<10	10	<0.5	<2	18.0	<0.5	1	15	2	0.45
M649297		1.79	<0.005	<0.2	0.58	<2	<10	<10	<0.5	<2	0.92	<0.5	31	967	6	3.70
M649298		2.00	<0.005	<0.2	0.37	16	<10	<10	<0.5	<2	0.63	<0.5	38	1010	9	3.60
M649299		1.60	<0.005	<0.2	0.30	4	<10	<10	<0.5	<2	1.61	<0.5	36	809	8	3.53
M649300		1.91	<0.005	<0.2	0.18	5	<10	<10	<0.5	<2	0.83	<0.5	39	719	9	3.43
M649301		1.59	<0.005	<0.2	0.34	3	<10	<10	<0.5	<2	2.11	<0.5	40	729	10	3.27
M649302		1.65	<0.005	<0.2	0.28	4	<10	<10	<0.5	<2	1.54	<0.5	42	824	8	3.62
M649303		0.09	0.768	8.0	1.40	8700	170	30	<0.5	204	5.69	0.9	71	22	3540	3.13
M649304		1.50	<0.005	<0.2	0.21	6	<10	<10	<0.5	<2	1.51	<0.5	39	765	10	3.07
M649305		1.59	<0.005	<0.2	0.16	3	<10	<10	<0.5	<2	2.50	<0.5	43	678	10	3.42
M649306		2.02	<0.005	<0.2	0.22	3	<10	<10	<0.5	<2	1.94	<0.5	45	747	10	3.26
M649307		2.09	<0.005	<0.2	0.28	<2	<10	<10	<0.5	<2	1.28	<0.5	52	919	12	3.81
M649308		1.82	<0.005	<0.2	0.29	2	<10	<10	<0.5	<2	1.73	<0.5	46	975	9	3.54
M649309		1.88	<0.005	<0.2	0.22	2	<10	<10	<0.5	<2	1.81	<0.5	47	785	12	3.09
M649310		0.95	<0.005	<0.2	0.03	2	<10	<10	<0.5	<2	19.9	<0.5	<1	18	1	0.47
M649311		2.04	<0.005	<0.2	0.32	2	<10	<10	<0.5	<2	1.53	<0.5	57	950	11	3.43
M649312		2.33	<0.005	<0.2	0.26	2	<10	<10	<0.5	<2	2.79	<0.5	55	806	13	3.26
M649313		2.20	<0.005	<0.2	0.29	2	<10	<10	<0.5	<2	1.41	<0.5	54	835	12	3.28
M649314		2.35	<0.005	<0.2	0.36	4	<10	<10	<0.5	<2	1.14	<0.5	58	970	12	3.68
M649315		2.19	<0.005	<0.2	0.27	3	<10	<10	<0.5	<2	1.18	<0.5	54	754	15	3.59
M649316		1.77	<0.005	<0.2	0.32	4	<10	<10	<0.5	<2	2.74	<0.5	39	939	27	2.72
M649317		1.66	<0.005	<0.2	1.67	2	<10	<10	<0.5	<2	4.41	<0.5	28	549	26	2.78
M649318		1.28	<0.005	<0.2	1.20	34	<10	10	<0.5	<2	4.49	<0.5	32	605	8	3.07
M649319		0.97	0.006	0.2	2.12	7	<10	120	<0.5	<2	1.37	<0.5	29	463	77	3.47
M649320		0.24	1.400	31.7	1.00	531	<10	510	<0.5	<2	0.28	31.2	5	13	137	5.64
M649321		1.14	<0.005	<0.2	1.49	2	<10	220	<0.5	<2	1.03	<0.5	38	115	128	5.39
M649322		2.46	<0.005	<0.2	1.50	5	<10	220	<0.5	<2	1.39	<0.5	26	53	81	5.40
M649323		2.65	<0.005	<0.2	1.82	3	<10	690	<0.5	<2	2.57	<0.5	35	294	65	5.90
M649324		2.48	<0.005	<0.2	2.14	2	<10	350	<0.5	<2	2.94	<0.5	25	271	54	4.12
M649325		1.50	<0.005	<0.2	1.94	3	<10	80	<0.5	<2	1.65	<0.5	20	312	35	2.70
M649326		2.52	<0.005	0.2	2.84	2	<10	560	<0.5	<2	1.60	<0.5	29	283	82	4.71
M649327		3.55	<0.005	<0.2	2.87	3	<10	350	<0.5	<2	3.59	<0.5	41	79	55	7.28
M649328		4.00	<0.005	<0.2	2.31	4	<10	380	<0.5	<2	2.07	<0.5	30	66	90	6.12



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Page: 2 - B
Total # Pages: 2 (A - C)
Finalized Date: 10- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174511

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649289		<10	<1	0.02	<10	11.80	732	<1	0.01	366	30	<2	0.01	<2	4	16
M649290		<10	<1	0.01	<10	12.00	908	<1	<0.01	426	10	<2	<0.01	<2	4	10
M649291		<10	<1	<0.01	<10	11.60	686	<1	<0.01	387	<10	<2	<0.01	<2	5	7
M649292		<10	<1	<0.01	<10	11.10	540	<1	<0.01	345	<10	<2	<0.01	<2	6	4
M649293		<10	<1	<0.01	<10	11.15	561	<1	<0.01	380	<10	<2	<0.01	<2	5	7
M649294		<10	<1	<0.01	<10	10.85	602	<1	<0.01	382	<10	<2	<0.01	<2	5	5
M649295		<10	<1	<0.01	<10	11.05	658	<1	<0.01	476	<10	<2	<0.01	<2	5	6
M649296		<10	<1	0.01	<10	11.30	187	<1	0.01	13	160	<2	<0.01	<2	<1	47
M649297		<10	<1	<0.01	<10	10.75	637	<1	<0.01	428	<10	<2	<0.01	<2	7	28
M649298		<10	<1	<0.01	<10	10.10	637	<1	<0.01	522	<10	<2	<0.01	<2	7	17
M649299		<10	<1	<0.01	<10	10.95	777	<1	0.01	478	<10	<2	<0.01	<2	6	53
M649300		<10	<1	<0.01	<10	10.60	685	<1	<0.01	599	<10	<2	0.03	<2	5	27
M649301		<10	<1	<0.01	<10	10.85	788	<1	<0.01	665	<10	<2	0.03	<2	6	74
M649302		<10	<1	<0.01	<10	10.85	624	<1	<0.01	687	<10	2	<0.01	<2	5	55
M649303		10	<1	0.07	50	0.08	302	8	0.23	36	950	32	1.35	25	1	93
M649304		<10	<1	<0.01	<10	10.45	582	<1	<0.01	639	<10	<2	0.03	<2	5	56
M649305		<10	<1	<0.01	<10	10.90	723	<1	<0.01	719	<10	2	0.06	<2	5	97
M649306		<10	<1	<0.01	<10	10.75	700	<1	<0.01	778	<10	<2	0.06	<2	5	79
M649307		<10	<1	<0.01	<10	11.35	715	<1	0.01	936	<10	2	0.08	<2	6	56
M649308		<10	<1	<0.01	<10	11.40	773	<1	0.01	807	<10	2	0.07	<2	6	83
M649309		<10	<1	<0.01	<10	10.85	815	<1	0.01	895	<10	<2	0.10	<2	4	89
M649310		<10	<1	0.01	<10	12.70	197	<1	0.02	18	170	<2	<0.01	<2	<1	51
M649311		<10	<1	<0.01	<10	11.60	622	<1	0.01	1060	<10	<2	0.09	<2	5	79
M649312		<10	<1	<0.01	<10	10.90	708	<1	0.01	1070	<10	2	0.11	<2	5	174
M649313		<10	<1	<0.01	<10	10.95	694	<1	0.01	1070	<10	2	0.14	<2	5	94
M649314		<10	<1	<0.01	<10	11.65	777	<1	0.01	1125	<10	<2	0.14	<2	6	76
M649315		<10	<1	<0.01	<10	10.05	658	<1	0.01	1045	<10	<2	0.17	<2	6	65
M649316		<10	<1	<0.01	<10	6.12	572	<1	0.01	843	<10	<2	0.08	<2	5	209
M649317		<10	<1	<0.01	<10	6.18	779	<1	0.01	586	30	<2	<0.01	<2	9	316
M649318		<10	<1	0.02	<10	5.18	839	<1	0.01	676	90	5	<0.01	<2	8	123
M649319		10	<1	0.21	<10	4.02	454	<1	0.05	344	450	3	0.01	<2	7	25
M649320		<10	5	0.39	10	0.10	1050	4	0.03	6	1320	2970	0.39	19	4	139
M649321		10	<1	0.32	<10	2.18	408	<1	0.15	124	730	9	1.18	<2	9	18
M649322		10	<1	0.23	<10	1.53	475	<1	0.16	56	820	9	0.75	<2	13	14
M649323		10	<1	1.26	<10	5.51	735	<1	0.09	176	570	4	0.22	<2	11	64
M649324		10	<1	1.18	<10	4.62	612	<1	0.13	133	560	<2	0.05	<2	8	51
M649325		<10	<1	0.57	<10	3.40	418	<1	0.17	127	430	3	<0.01	<2	5	21
M649326		10	<1	1.89	<10	3.48	863	<1	0.17	110	480	15	0.03	<2	12	17
M649327		10	1	1.41	<10	3.04	2580	<1	0.08	88	890	2	0.48	<2	27	63
M649328		10	<1	1.57	<10	2.20	966	<1	0.11	56	890	3	0.51	<2	14	24



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Page: 2 - C
 Total # Pages: 2 (A - C)
 Finalized Date: 10- AUG- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174511

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
M649289		<20	0.01	<10	<10	17	<10	9
M649290		<20	<0.01	<10	<10	16	<10	6
M649291		<20	<0.01	<10	<10	15	<10	8
M649292		<20	<0.01	<10	<10	19	<10	9
M649293		<20	<0.01	<10	<10	20	<10	9
M649294		<20	<0.01	<10	<10	22	<10	8
M649295		<20	<0.01	<10	<10	22	<10	9
M649296		<20	<0.01	<10	<10	2	<10	12
M649297		<20	<0.01	<10	<10	36	<10	11
M649298		<20	<0.01	<10	<10	33	<10	10
M649299		<20	<0.01	<10	<10	27	<10	9
M649300		<20	<0.01	<10	<10	22	<10	10
M649301		<20	<0.01	<10	<10	25	<10	11
M649302		<20	<0.01	<10	<10	23	<10	9
M649303		<20	0.04	<10	<10	8	30	105
M649304		<20	<0.01	<10	<10	13	<10	8
M649305		<20	<0.01	<10	<10	17	<10	10
M649306		<20	<0.01	<10	<10	17	<10	13
M649307		<20	<0.01	<10	<10	24	<10	18
M649308		<20	<0.01	<10	<10	23	<10	15
M649309		<20	<0.01	<10	<10	15	<10	13
M649310		<20	<0.01	<10	10	2	<10	13
M649311		<20	<0.01	<10	<10	24	<10	21
M649312		<20	<0.01	<10	<10	17	<10	19
M649313		<20	<0.01	<10	<10	17	<10	17
M649314		<20	<0.01	<10	<10	18	<10	18
M649315		<20	<0.01	<10	<10	19	<10	17
M649316		<20	<0.01	<10	<10	24	<10	9
M649317		<20	0.05	<10	<10	58	<10	17
M649318		<20	0.04	<10	<10	65	<10	42
M649319		<20	0.13	<10	<10	95	<10	47
M649320		<20	<0.01	<10	<10	55	<10	2180
M649321		<20	0.22	<10	<10	149	<10	50
M649322		<20	0.32	<10	<10	182	<10	57
M649323		<20	0.45	<10	<10	182	<10	60
M649324		<20	0.28	<10	<10	126	<10	52
M649325		<20	0.16	<10	<10	62	<10	35
M649326		<20	0.36	<10	<10	147	<10	70
M649327		<20	0.36	<10	<10	301	<10	106
M649328		<20	0.47	<10	<10	237	<10	82



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Page: 1
Finalized Date: 13- AUG- 2012
Account: F

CERTIFICATE WH12174510

Project: Vivi

P.O. No.: RCH- 12- 10

This report is for 41 RC Drill Chip samples submitted to our lab in Whitehorse, YT, Canada on 25- JUL- 2012.

The following have access to data associated with this certificate:

DOUG BLANCHFLOWER

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
LOG- 24	Pulp Login - Rcd w/ o Barcode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%< 2mm
PUL- 31	Pulverize split to 85%< 75 um
SPL- 22Y	Split Sample - Boyd Rotary Splitter

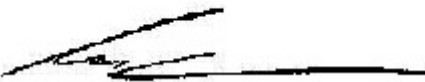
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Au- AA24	Au 50g FA AA finish	AAS

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 3 (A - C)
Finalized Date: 13- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174510

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
M649329		1.40	0.016	<0.2	0.11	8	<10	20	<0.5	<2	0.80	<0.5	41	322	1	3.08
M649330		1.52	0.060	<0.2	0.10	9	<10	10	<0.5	<2	0.59	<0.5	35	390	1	2.72
M649331		2.78	0.111	<0.2	0.09	8	<10	10	<0.5	<2	0.58	<0.5	35	350	3	2.75
M649332		2.09	0.060	<0.2	0.06	4	<10	10	<0.5	2	0.52	<0.5	32	186	4	2.82
M649333		0.77	<0.005	0.2	0.03	<2	<10	30	<0.5	<2	18.7	<0.5	2	2	<1	0.45
M649334		2.14	0.041	<0.2	0.15	10	<10	10	<0.5	<2	0.96	<0.5	34	361	6	2.74
M649335		2.27	0.072	<0.2	0.14	9	<10	10	<0.5	2	0.91	<0.5	34	371	6	2.65
M649336		2.18	0.070	<0.2	0.12	4	<10	10	<0.5	<2	0.45	<0.5	38	531	4	2.91
M649337		2.26	0.132	<0.2	0.10	5	<10	10	<0.5	2	0.24	<0.5	39	447	1	2.94
M649338		2.48	0.069	<0.2	0.08	4	<10	10	<0.5	2	0.33	<0.5	41	366	2	3.08
M649339		0.62	0.179	<0.2	0.08	8	<10	10	<0.5	<2	0.96	<0.5	34	207	1	2.35
M649340		1.02	0.099	<0.2	0.05	8	<10	10	<0.5	<2	0.19	<0.5	37	237	1	3.09
M649341		0.05	0.816	7.3	1.34	8840	170	30	<0.5	211	5.53	1.0	71	21	3460	2.95
M649342		1.40	0.058	<0.2	0.05	10	<10	10	<0.5	2	0.25	<0.5	35	125	2	2.68
M649343		1.56	0.143	<0.2	0.07	6	<10	10	<0.5	<2	0.47	<0.5	38	377	1	3.00
M649344		1.99	0.290	<0.2	0.10	13	<10	10	<0.5	<2	0.17	<0.5	33	356	1	3.28
M649345		1.54	0.161	<0.2	0.11	13	<10	10	<0.5	<2	0.17	<0.5	35	536	<1	3.40
M649346		1.53	0.110	<0.2	0.08	7	<10	10	<0.5	<2	0.41	<0.5	33	668	<1	3.07
M649347		1.75	0.519	<0.2	0.08	7	<10	10	<0.5	<2	0.25	<0.5	33	543	<1	3.13
M649348		2.57	0.366	<0.2	0.08	5	<10	10	<0.5	<2	0.48	<0.5	32	600	<1	3.17
M649349		1.90	0.423	<0.2	0.07	4	<10	10	<0.5	<2	0.36	<0.5	33	545	2	2.79
M649350		2.01	0.182	<0.2	0.06	3	<10	10	<0.5	<2	0.19	<0.5	30	501	<1	2.77
M649351		1.85	0.030	<0.2	0.05	3	<10	10	<0.5	2	0.50	<0.5	32	421	<1	2.71
M649352		0.53	<0.005	0.2	0.02	<2	<10	30	<0.5	<2	18.2	<0.5	3	3	3	0.42
M649353		2.05	0.057	<0.2	0.04	4	<10	10	<0.5	2	0.25	<0.5	36	438	<1	2.80
M649354		1.44	0.006	<0.2	0.03	3	<10	10	<0.5	<2	0.27	<0.5	35	279	2	2.46
M649355		2.18	<0.005	<0.2	0.03	2	<10	10	<0.5	<2	0.13	<0.5	32	238	1	2.39
M649356		1.62	0.016	<0.2	0.04	2	<10	10	<0.5	<2	0.11	<0.5	32	292	<1	2.51
M649357		2.29	0.011	<0.2	0.06	5	<10	10	<0.5	<2	0.30	<0.5	34	580	<1	2.93
M649358		1.71	0.018	0.2	0.08	2	<10	10	<0.5	<2	0.25	<0.5	45	923	<1	3.76
M649359		2.47	<0.005	<0.2	0.07	2	<10	10	<0.5	<2	0.36	<0.5	36	685	<1	2.97
M649360		2.24	0.009	<0.2	0.09	3	<10	<10	<0.5	<2	0.75	<0.5	40	783	2	3.28
M649361		2.70	0.059	<0.2	0.07	4	<10	<10	<0.5	<2	0.43	<0.5	41	675	1	3.32
M649362		3.66	0.311	<0.2	0.12	4	<10	<10	<0.5	2	0.41	<0.5	48	851	1	4.26
M649363		0.21	1.345	31.1	0.94	525	<10	510	<0.5	3	0.27	30.2	5	12	137	5.62
M649364		3.84	0.151	<0.2	0.09	4	<10	<10	<0.5	<2	0.94	<0.5	46	606	1	4.23
M649365		2.82	0.019	<0.2	0.10	3	<10	<10	<0.5	<2	0.43	<0.5	43	422	16	4.20
M649366		2.28	0.005	<0.2	0.11	2	<10	<10	<0.5	<2	0.31	<0.5	36	657	13	3.78
M649367		2.44	0.009	<0.2	0.16	2	<10	<10	<0.5	<2	0.27	<0.5	38	739	14	3.78
M649368		2.30	<0.005	<0.2	0.14	4	<10	<10	<0.5	<2	0.26	<0.5	41	653	17	3.87



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Page: 2 - B
 Total # Pages: 3 (A - C)
 Finalized Date: 13- AUG- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174510

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649329		<10	<1	<0.01	<10	11.85	648	<1	0.01	444	10	<2	0.01	<2	5	25
M649330		<10	<1	<0.01	<10	10.40	728	<1	0.01	288	10	<2	0.01	<2	5	22
M649331		<10	<1	<0.01	<10	10.05	735	<1	0.01	327	<10	<2	0.01	<2	5	21
M649332		<10	<1	<0.01	<10	10.70	572	<1	0.01	306	<10	<2	0.01	<2	3	15
M649333		<10	<1	0.01	<10	11.95	218	<1	0.02	3	170	<2	0.03	<2	<1	51
M649334		<10	<1	<0.01	<10	11.30	719	<1	0.01	393	<10	<2	0.01	<2	5	30
M649335		<10	<1	<0.01	<10	11.05	699	<1	0.01	403	<10	<2	0.01	<2	4	29
M649336		<10	<1	<0.01	<10	10.65	681	<1	0.01	428	<10	<2	0.01	<2	5	16
M649337		<10	<1	<0.01	<10	11.60	582	<1	0.01	385	<10	<2	0.01	<2	6	6
M649338		<10	<1	<0.01	<10	11.90	727	<1	0.01	449	<10	<2	0.01	<2	5	9
M649339		<10	<1	<0.01	<10	11.05	593	<1	0.01	320	<10	<2	0.01	<2	3	20
M649340		<10	<1	<0.01	<10	11.90	705	<1	0.01	375	<10	<2	0.01	<2	3	4
M649341		<10	<1	0.06	50	0.09	295	9	0.24	35	930	30	1.48	25	1	93
M649342		<10	<1	<0.01	<10	12.85	879	<1	0.01	312	10	<2	0.02	<2	2	5
M649343		<10	<1	<0.01	<10	12.55	862	<1	0.01	413	<10	<2	0.01	<2	2	10
M649344		<10	<1	<0.01	<10	11.95	579	<1	0.01	280	<10	<2	0.01	<2	5	3
M649345		<10	<1	<0.01	<10	12.00	746	<1	0.01	321	<10	<2	0.01	<2	6	2
M649346		<10	<1	<0.01	<10	11.80	707	<1	0.01	305	<10	<2	0.01	<2	5	13
M649347		<10	<1	<0.01	<10	10.95	748	<1	0.01	279	<10	<2	0.01	<2	6	6
M649348		<10	<1	<0.01	<10	11.55	809	<1	0.01	265	<10	<2	0.01	<2	5	10
M649349		<10	<1	<0.01	<10	11.30	713	<1	0.01	287	<10	<2	0.01	<2	4	9
M649350		<10	<1	<0.01	<10	11.10	581	<1	0.01	257	<10	<2	0.01	<2	5	3
M649351		<10	<1	<0.01	<10	12.10	809	<1	0.01	288	<10	<2	0.01	<2	3	13
M649352		<10	<1	0.01	<10	11.60	193	<1	0.02	4	190	2	0.02	<2	<1	53
M649353		<10	<1	<0.01	<10	13.05	817	<1	0.01	351	<10	<2	0.01	<2	4	4
M649354		<10	<1	<0.01	<10	13.90	588	<1	0.01	392	<10	<2	0.01	<2	2	5
M649355		<10	<1	<0.01	<10	13.50	544	<1	0.01	305	<10	<2	0.01	<2	2	2
M649356		<10	<1	<0.01	<10	13.95	678	<1	0.01	316	<10	<2	0.01	<2	2	1
M649357		<10	<1	<0.01	<10	11.40	511	<1	0.01	363	<10	<2	0.01	<2	3	8
M649358		<10	<1	<0.01	<10	13.25	689	<1	0.01	475	<10	<2	0.01	<2	5	9
M649359		<10	<1	<0.01	<10	11.20	620	<1	0.01	350	<10	<2	0.01	<2	5	14
M649360		<10	<1	<0.01	<10	12.90	671	<1	<0.01	385	<10	<2	<0.01	<2	4	32
M649361		<10	1	<0.01	<10	13.25	896	<1	0.01	353	<10	2	0.01	<2	4	19
M649362		<10	<1	<0.01	<10	15.20	888	<1	0.01	480	<10	3	0.01	<2	6	15
M649363		<10	6	0.37	10	0.10	1045	5	0.02	7	1270	2900	0.39	23	4	130
M649364		<10	<1	<0.01	<10	15.70	874	<1	0.01	409	<10	3	0.01	<2	6	37
M649365		<10	<1	<0.01	<10	14.15	668	<1	<0.01	349	<10	2	0.01	<2	5	13
M649366		<10	<1	<0.01	<10	11.80	782	<1	<0.01	351	<10	2	0.01	<2	5	7
M649367		<10	<1	<0.01	<10	11.60	680	<1	<0.01	412	<10	2	0.01	<2	6	6
M649368		<10	1	<0.01	<10	11.85	712	<1	<0.01	540	<10	<2	0.01	<2	5	5



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Page: 2 - C
Total # Pages: 3 (A - C)
Finalized Date: 13- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174510

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
M649329		<20	<0.01	<10	<10	10	<10	7
M649330		<20	<0.01	<10	<10	9	<10	6
M649331		<20	<0.01	<10	<10	10	<10	5
M649332		<20	<0.01	<10	<10	5	<10	7
M649333		<20	<0.01	<10	<10	1	<10	13
M649334		<20	<0.01	<10	<10	8	<10	5
M649335		<20	<0.01	<10	<10	8	<10	5
M649336		<20	<0.01	<10	<10	13	<10	5
M649337		<20	<0.01	<10	<10	10	<10	6
M649338		<20	<0.01	<10	<10	9	<10	6
M649339		<20	<0.01	<10	<10	4	<10	4
M649340		<20	<0.01	<10	<10	9	<10	4
M649341		<20	0.05	<10	<10	7	30	103
M649342		<20	<0.01	<10	<10	3	<10	5
M649343		<20	<0.01	<10	<10	12	<10	6
M649344		<20	<0.01	<10	<10	10	<10	6
M649345		<20	<0.01	<10	<10	14	<10	7
M649346		<20	<0.01	<10	<10	13	<10	6
M649347		<20	<0.01	<10	<10	10	<10	7
M649348		<20	<0.01	<10	<10	13	<10	6
M649349		<20	<0.01	<10	<10	10	<10	6
M649350		<20	<0.01	<10	<10	10	<10	5
M649351		<20	<0.01	<10	<10	8	<10	3
M649352		<20	<0.01	<10	<10	1	<10	15
M649353		<20	<0.01	<10	<10	8	<10	3
M649354		<20	<0.01	<10	<10	5	<10	2
M649355		<20	<0.01	<10	<10	5	<10	2
M649356		<20	<0.01	<10	<10	5	<10	2
M649357		<20	<0.01	<10	<10	12	<10	4
M649358		<20	<0.01	<10	<10	18	<10	8
M649359		<20	<0.01	<10	<10	14	<10	6
M649360		<20	<0.01	<10	<10	16	<10	9
M649361		<20	<0.01	<10	<10	14	<10	8
M649362		<20	<0.01	<10	<10	20	<10	12
M649363		<20	<0.01	<10	<10	53	<10	2150
M649364		<20	<0.01	<10	<10	17	<10	11
M649365		<20	<0.01	<10	<10	8	<10	10
M649366		<20	<0.01	<10	<10	16	<10	10
M649367		<20	<0.01	<10	<10	18	<10	10
M649368		<20	<0.01	<10	<10	18	<10	11



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**Page: 3 - A
 Total # Pages: 3 (A - C)
 Finalized Date: 13- AUG- 2012
 Account: F**

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174510

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA24 Au ppm 0.005	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
M649369		1.97	<0.005	<0.2	0.17	<2	<10	<10	<0.5	<2	0.88	<0.5	37	655	21	3.66



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Page: 3 - B
Total # Pages: 3 (A - C)
Finalized Date: 13- AUG- 2012
Account: F

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CERTIFICATE OF ANALYSIS WH12174510

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm 10	ppm 1	% 0.01	ppm 10	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	ppm 2	ppm 1	ppm 1
M649369		<10	1	<0.01	<10	11.30	689	1	<0.01	508	<10	10	0.01	<2	5	23



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**Page: 3 - C
 Total # Pages: 3 (A - C)
 Finalized Date: 13- AUG- 2012
 Account: F**

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174510

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
M649369		<20	<0.01	<10	<10	18	<10	17



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Page: 1
Finalized Date: 16- AUG- 2012
Account: F

CERTIFICATE WH12174499

Project: Vivi
P.O. No.: RCH- 12- 11
This report is for 41 RC Drill Chip samples submitted to our lab in Whitehorse, YT,
Canada on 25- JUL- 2012.

The following have access to data associated with this certificate:

DOUG BLANCHFLOWER

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%< 2mm
PUL- 31	Pulverize split to 85%< 75 um
SPL- 22Y	Split Sample - Boyd Rotary Splitter
LOG- 24	Pulp Login - Rcd w/ o Barcode

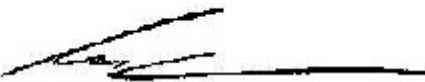
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Au- AA24	Au 50g FA AA finish	AAS

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 3 (A - C)
Finalized Date: 16- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174499

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
M649370		1.20	0.012	<0.2	0.17	8	<10	<10	<0.5	<2	0.42	<0.5	34	674	<1	3.32
M649371		2.02	0.013	<0.2	0.20	3	<10	<10	<0.5	<2	1.00	<0.5	32	618	<1	2.99
M649372		1.92	0.050	<0.2	0.24	8	<10	<10	<0.5	<2	0.29	<0.5	32	620	<1	3.12
M649373		1.72	<0.005	<0.2	0.17	4	<10	<10	<0.5	<2	0.76	<0.5	31	623	<1	2.77
M649374		1.81	<0.005	<0.2	0.18	3	<10	<10	<0.5	<2	1.00	<0.5	28	620	<1	2.64
M649375		1.87	0.670	<0.2	0.15	2	<10	<10	<0.5	<2	0.63	<0.5	34	709	<1	3.52
M649376		0.08	0.769	7.5	1.32	8850	160	30	<0.5	206	5.50	0.8	70	21	3410	3.03
M649377		2.01	0.037	<0.2	0.12	9	<10	<10	<0.5	<2	0.30	<0.5	33	622	1	2.97
M649378		1.82	0.144	<0.2	0.14	<2	<10	<10	<0.5	<2	0.40	<0.5	34	591	1	3.45
M649379		1.92	0.036	<0.2	0.12	<2	<10	<10	<0.5	<2	0.36	<0.5	33	583	2	3.25
M649380		2.46	0.299	<0.2	0.13	3	<10	<10	<0.5	<2	0.39	<0.5	31	522	10	2.90
M649381		2.06	<0.005	<0.2	0.20	<2	<10	<10	<0.5	<2	0.35	<0.5	35	540	8	3.11
M649382		1.76	0.096	<0.2	0.25	8	<10	<10	<0.5	<2	0.57	<0.5	32	509	4	2.94
M649383		2.77	0.284	<0.2	0.22	6	<10	<10	<0.5	<2	0.35	<0.5	36	502	1	3.30
M649384		1.44	<0.005	0.2	0.03	<2	<10	20	<0.5	<2	20.0	<0.5	2	3	<1	0.43
M649385		1.91	0.013	<0.2	0.17	3	<10	<10	<0.5	<2	0.63	<0.5	34	591	1	3.14
M649386		1.59	0.020	<0.2	0.18	30	<10	<10	<0.5	<2	0.28	<0.5	40	477	6	3.47
M649387		1.33	0.056	<0.2	0.15	26	<10	<10	<0.5	<2	0.27	<0.5	41	774	16	3.93
M649388		2.08	0.052	<0.2	0.12	13	<10	<10	<0.5	<2	0.69	<0.5	33	697	2	3.22
M649389		1.69	0.315	<0.2	0.10	29	<10	<10	<0.5	<2	0.63	<0.5	39	346	<1	3.36
M649390		3.08	0.294	<0.2	0.10	49	<10	<10	<0.5	<2	0.30	<0.5	38	344	1	3.40
M649391		2.63	0.157	<0.2	0.12	56	<10	<10	<0.5	<2	0.20	<0.5	38	542	<1	2.92
M649392		2.19	0.691	<0.2	0.11	28	<10	<10	<0.5	<2	0.29	<0.5	40	381	<1	3.03
M649393		1.08	<0.005	0.2	0.03	<2	<10	110	<0.5	<2	20.2	<0.5	2	2	<1	0.45
M649394		1.83	0.038	<0.2	0.10	48	<10	<10	<0.5	<2	0.44	<0.5	52	294	<1	4.17
M649395		1.74	0.112	<0.2	0.10	46	<10	<10	<0.5	<2	0.48	<0.5	43	350	1	3.52
M649396		1.49	0.024	<0.2	0.11	26	<10	<10	<0.5	<2	0.32	<0.5	40	916	2	3.54
M649397		1.29	0.008	<0.2	0.08	9	<10	<10	<0.5	<2	0.36	<0.5	43	1050	<1	3.47
M649398		2.02	0.061	<0.2	0.10	16	<10	<10	<0.5	<2	0.31	<0.5	40	477	5	3.10
M649399		2.69	0.097	<0.2	0.09	18	<10	<10	<0.5	<2	0.34	<0.5	45	453	1	3.73
M649400		1.11	0.019	<0.2	0.08	<2	<10	<10	<0.5	<2	0.24	<0.5	42	920	2	3.80
M649401		1.22	0.680	0.3	0.07	12	10	<10	<0.5	<2	0.87	<0.5	41	727	<1	3.55
M649402		1.96	0.810	<0.2	0.09	6	<10	<10	<0.5	<2	0.49	<0.5	39	478	<1	3.33
M649403		2.52	0.035	<0.2	0.06	21	40	<10	<0.5	<2	0.74	<0.5	46	820	<1	3.83
M649404		0.24	1.290	30.9	0.95	520	<10	520	<0.5	<2	0.28	32.2	5	12	134	5.58
M649405		2.16	0.757	0.2	0.10	11	<10	<10	<0.5	<2	1.88	<0.5	41	488	<1	3.64
M649406		2.42	0.072	<0.2	0.12	9	<10	<10	<0.5	<2	0.34	<0.5	40	519	<1	3.53
M649407		1.97	0.938	<0.2	0.12	8	<10	<10	<0.5	<2	0.47	<0.5	37	568	<1	3.76
M649408		2.55	0.360	<0.2	0.12	11	<10	<10	<0.5	<2	0.33	<0.5	39	556	<1	3.72
M649409		2.35	0.021	<0.2	0.11	6	<10	<10	<0.5	<2	0.31	<0.5	38	370	<1	3.81



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Page: 2 - B
 Total # Pages: 3 (A - C)
 Finalized Date: 16- AUG- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174499

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649370		<10	<1	<0.01	<10	9.06	646	<1	<0.01	369	10	<2	<0.01	<2	6	14
M649371		<10	<1	<0.01	<10	9.28	634	<1	<0.01	343	10	3	<0.01	<2	5	36
M649372		<10	<1	<0.01	<10	9.65	617	<1	<0.01	345	10	<2	<0.01	<2	6	9
M649373		<10	<1	<0.01	<10	9.63	566	<1	<0.01	363	10	<2	<0.01	<2	4	28
M649374		<10	<1	<0.01	<10	9.24	551	<1	<0.01	339	<10	2	<0.01	<2	5	36
M649375		<10	<1	<0.01	<10	10.90	536	<1	<0.01	350	<10	<2	<0.01	<2	5	21
M649376		<10	<1	0.07	40	0.08	283	7	0.23	36	930	31	1.34	26	1	94
M649377		<10	<1	<0.01	<10	10.30	485	<1	<0.01	334	10	<2	<0.01	<2	5	7
M649378		<10	<1	<0.01	<10	11.05	688	<1	<0.01	329	<10	<2	<0.01	<2	5	11
M649379		<10	<1	<0.01	<10	10.30	520	<1	<0.01	347	<10	<2	<0.01	<2	5	11
M649380		<10	<1	<0.01	<10	10.35	623	<1	<0.01	300	<10	<2	<0.01	<2	4	11
M649381		<10	<1	<0.01	<10	11.75	591	<1	<0.01	359	<10	<2	<0.01	<2	6	9
M649382		<10	<1	<0.01	<10	11.00	603	<1	<0.01	300	<10	<2	<0.01	<2	7	15
M649383		<10	<1	<0.01	<10	11.35	674	<1	<0.01	322	<10	<2	<0.01	<2	7	8
M649384		<10	<1	0.02	<10	12.10	199	<1	<0.01	1	150	3	<0.01	<2	<1	58
M649385		<10	<1	<0.01	<10	10.80	655	<1	<0.01	332	<10	<2	<0.01	2	7	16
M649386		<10	<1	<0.01	<10	10.85	612	<1	<0.01	393	<10	<2	<0.01	<2	6	5
M649387		<10	<1	<0.01	<10	11.60	774	<1	<0.01	425	<10	<2	<0.01	<2	6	6
M649388		<10	<1	<0.01	<10	10.75	612	<1	<0.01	325	<10	<2	<0.01	2	5	14
M649389		<10	<1	<0.01	<10	11.70	702	<1	<0.01	359	10	<2	<0.01	<2	6	13
M649390		<10	<1	<0.01	<10	11.15	618	<1	<0.01	373	10	<2	<0.01	2	5	6
M649391		<10	<1	<0.01	<10	10.30	555	<1	<0.01	400	10	<2	<0.01	<2	5	3
M649392		<10	<1	<0.01	<10	12.15	693	<1	<0.01	436	<10	<2	<0.01	<2	5	6
M649393		<10	<1	0.01	<10	12.30	204	<1	<0.01	1	160	2	0.01	<2	<1	56
M649394		<10	<1	<0.01	<10	14.85	891	<1	<0.01	641	<10	2	<0.01	2	7	9
M649395		<10	<1	<0.01	<10	13.25	838	<1	<0.01	489	<10	<2	<0.01	<2	7	11
M649396		<10	<1	<0.01	<10	12.35	678	<1	<0.01	442	<10	<2	<0.01	<2	6	9
M649397		<10	<1	<0.01	<10	12.75	722	<1	<0.01	475	<10	<2	<0.01	<2	6	8
M649398		<10	<1	<0.01	<10	14.15	862	<1	<0.01	391	<10	2	<0.01	2	5	6
M649399		<10	<1	<0.01	<10	15.15	823	<1	<0.01	456	<10	2	<0.01	<2	6	5
M649400		<10	<1	<0.01	<10	13.15	674	<1	<0.01	444	<10	<2	<0.01	2	7	3
M649401		<10	<1	<0.01	<10	16.25	1010	<1	<0.01	437	<10	2	<0.01	<2	4	16
M649402		<10	<1	<0.01	<10	14.90	890	<1	<0.01	362	<10	2	<0.01	<2	5	9
M649403		<10	<1	<0.01	<10	16.80	1085	<1	<0.01	497	<10	<2	<0.01	2	6	14
M649404		<10	5	0.37	10	0.11	1045	4	0.02	4	1260	2860	0.37	22	4	137
M649405		<10	<1	<0.01	<10	14.60	933	<1	<0.01	386	<10	2	<0.01	<2	4	33
M649406		<10	<1	<0.01	<10	13.45	822	<1	<0.01	358	<10	2	<0.01	<2	6	6
M649407		<10	<1	<0.01	<10	13.05	661	<1	<0.01	313	<10	<2	<0.01	<2	7	10
M649408		<10	<1	<0.01	<10	13.30	771	<1	<0.01	323	10	<2	<0.01	<2	6	6
M649409		<10	<1	<0.01	<10	13.00	748	<1	<0.01	295	<10	<2	<0.01	<2	6	6



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Page: 2 - C
 Total # Pages: 3 (A - C)
 Finalized Date: 16- AUG- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174499

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
M649370		<20	<0.01	<10	<10	22	<10	5
M649371		<20	<0.01	<10	<10	21	<10	5
M649372		<20	<0.01	<10	<10	22	<10	4
M649373		<20	<0.01	<10	<10	18	<10	3
M649374		<20	<0.01	<10	<10	17	<10	3
M649375		<20	<0.01	<10	<10	24	<10	3
M649376		<20	0.04	<10	<10	7	30	98
M649377		<20	<0.01	<10	<10	18	<10	3
M649378		<20	<0.01	<10	<10	22	<10	4
M649379		<20	<0.01	<10	<10	24	<10	3
M649380		<20	<0.01	<10	<10	20	<10	3
M649381		<20	<0.01	<10	<10	16	<10	4
M649382		<20	<0.01	<10	<10	13	<10	5
M649383		<20	<0.01	<10	<10	15	<10	6
M649384		<20	<0.01	<10	<10	<1	<10	14
M649385		<20	<0.01	<10	<10	21	<10	6
M649386		<20	<0.01	<10	<10	15	<10	8
M649387		<20	<0.01	<10	<10	25	<10	7
M649388		<20	<0.01	<10	<10	16	<10	3
M649389		<20	<0.01	<10	<10	10	<10	5
M649390		<20	<0.01	<10	<10	11	<10	4
M649391		<20	<0.01	<10	<10	14	<10	4
M649392		<20	<0.01	<10	<10	9	<10	4
M649393		<20	<0.01	<10	<10	<1	<10	13
M649394		<20	<0.01	<10	<10	8	<10	7
M649395		<20	<0.01	<10	<10	9	<10	6
M649396		<20	<0.01	<10	<10	19	<10	5
M649397		<20	<0.01	<10	<10	18	<10	5
M649398		<20	<0.01	<10	<10	11	<10	8
M649399		<20	<0.01	<10	<10	11	<10	9
M649400		<20	<0.01	<10	<10	22	<10	6
M649401		<20	<0.01	<10	<10	13	<10	5
M649402		<20	<0.01	<10	<10	12	<10	6
M649403		<20	<0.01	<10	<10	15	10	6
M649404		<20	<0.01	<10	<10	54	<10	2160
M649405		<20	<0.01	<10	<10	15	<10	6
M649406		<20	<0.01	<10	<10	14	<10	8
M649407		<20	<0.01	<10	<10	18	<10	8
M649408		<20	<0.01	<10	<10	17	<10	7
M649409		<20	<0.01	<10	<10	12	<10	7



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Page: 3 - A
Total # Pages: 3 (A - C)
Finalized Date: 16- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174499

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA24 Au ppm 0.005	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
M649410		2.09	0.008	<0.2	0.11	8	<10	<10	<0.5	<2	0.63	<0.5	41	394	<1	4.33



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Page: 3 - B
Total # Pages: 3 (A - C)
Finalized Date: 16- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174499

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm 10	ppm 1	% 0.01	ppm 10	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	ppm 2	ppm 1	ppm 1
M649410		<10	<1	<0.01	<10	14.90	843	<1	<0.01	332	<10	2	<0.01	<2	6	13



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Page: 3 - C
Total # Pages: 3 (A - C)
Finalized Date: 16- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174499

Sample Description	Method Analyte Units LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Ti ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
M649410		<20	<0.01	<10	<10	15	<10	8



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Page: 1
Finalized Date: 14- AUG- 2012
Account: F

CERTIFICATE WH12174498

Project: Vivi
P.O. No.: RCH- 12- 12
This report is for 41 RC Drill Chip samples submitted to our lab in Whitehorse, YT,
Canada on 25- JUL- 2012.

The following have access to data associated with this certificate:

DOUG BLANCHFLOWER

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
PUL- 31	Pulverize split to 85%<75 um
SPL- 22Y	Split Sample - Boyd Rotary Splitter
LOG- 24	Pulp Login - Rcd w/ o Barcode

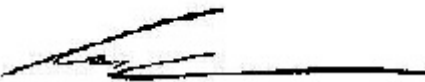
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Au- AA24	Au 50g FA AA finish	AAS

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 3 (A - C)
Finalized Date: 14- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174498

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
M649411		3.06	0.238	<0.2	0.09	43	<10	<10	<0.5	<2	0.60	<0.5	38	255	2	2.79
M649412		1.96	0.022	<0.2	0.08	13	<10	<10	<0.5	<2	0.74	<0.5	41	531	2	3.02
M649413		2.28	0.006	<0.2	0.08	4	<10	<10	<0.5	<2	0.13	<0.5	39	856	1	3.39
M649414		2.31	<0.005	<0.2	0.08	8	<10	<10	<0.5	<2	0.13	<0.5	39	819	2	3.46
M649415		2.13	<0.005	<0.2	0.09	10	<10	<10	<0.5	<2	0.10	<0.5	41	797	1	3.41
M649416		0.88	<0.005	<0.2	0.03	<2	<10	20	<0.5	<2	19.4	<0.5	<1	5	1	0.43
M649417		2.86	<0.005	<0.2	0.06	6	<10	<10	<0.5	<2	0.30	<0.5	38	659	1	3.06
M649418		2.80	<0.005	<0.2	0.07	8	<10	<10	<0.5	<2	0.19	<0.5	35	571	1	2.97
M649419		3.04	0.037	<0.2	0.09	43	<10	<10	<0.5	<2	0.46	<0.5	39	651	2	3.34
M649420		2.88	0.027	<0.2	0.06	18	<10	<10	<0.5	<2	0.49	<0.5	35	541	2	2.97
M649421		2.94	0.006	<0.2	0.05	6	<10	<10	<0.5	<2	0.37	<0.5	40	648	2	3.02
M649422		2.44	0.007	<0.2	0.07	5	<10	<10	<0.5	<2	0.32	<0.5	38	821	<1	3.24
M649423		2.63	0.071	<0.2	0.12	10	<10	<10	<0.5	<2	0.61	<0.5	38	710	1	3.20
M649424		0.71	<0.005	<0.2	0.02	<2	<10	30	<0.5	<2	19.6	<0.5	1	7	2	0.46
M649425		2.47	0.006	<0.2	0.09	4	<10	<10	<0.5	<2	0.56	<0.5	38	808	<1	3.17
M649426		2.13	0.008	<0.2	0.08	2	<10	<10	<0.5	<2	0.29	<0.5	35	690	<1	2.89
M649427		2.17	0.009	<0.2	0.08	5	<10	<10	<0.5	<2	0.18	<0.5	37	676	<1	2.96
M649428		2.38	0.006	<0.2	0.09	5	<10	<10	<0.5	<2	0.22	<0.5	36	695	<1	2.94
M649429		2.45	0.011	<0.2	0.08	10	<10	<10	<0.5	<2	0.44	<0.5	35	676	<1	2.93
M649430		2.59	0.302	<0.2	0.09	13	<10	<10	<0.5	<2	0.49	<0.5	39	846	1	3.60
M649431		0.21	1.305	29.1	0.95	505	<10	510	<0.5	<2	0.26	29.4	5	15	130	5.32
M649432		1.65	0.010	<0.2	0.08	8	<10	<10	<0.5	<2	0.12	<0.5	35	682	<1	2.88
M649433		2.33	0.013	<0.2	0.10	14	<10	<10	<0.5	<2	0.10	<0.5	35	683	<1	3.08
M649434		2.42	0.018	<0.2	0.10	14	<10	<10	<0.5	<2	0.10	<0.5	35	655	<1	3.19
M649435		2.18	0.011	<0.2	0.11	11	<10	<10	<0.5	<2	0.11	<0.5	36	637	<1	3.04
M649436		2.54	0.023	<0.2	0.13	12	<10	<10	<0.5	<2	0.09	<0.5	38	777	1	3.34
M649437		2.04	0.013	<0.2	0.10	11	<10	<10	<0.5	<2	0.10	<0.5	39	737	<1	3.21
M649438		2.88	0.030	<0.2	0.12	11	<10	<10	<0.5	<2	0.12	<0.5	40	812	<1	3.38
M649439		2.27	0.039	<0.2	0.06	8	<10	<10	<0.5	<2	0.11	<0.5	31	448	3	2.40
M649440		0.04	0.801	7.0	1.24	8370	150	20	<0.5	195	5.53	0.9	69	21	3280	2.89
M649441		2.75	0.041	<0.2	0.07	8	<10	<10	<0.5	<2	0.13	<0.5	37	634	2	3.01
M649442		2.87	0.099	<0.2	0.06	7	<10	<10	<0.5	<2	0.16	<0.5	38	612	1	2.91
M649443		3.34	0.404	<0.2	0.08	10	10	<10	<0.5	<2	0.23	<0.5	42	664	1	3.40
M649444		3.72	0.008	<0.2	0.05	6	20	<10	<0.5	<2	0.20	<0.5	44	748	1	3.14
M649445		2.71	0.034	<0.2	0.06	28	30	<10	<0.5	<2	0.37	<0.5	46	775	1	3.50
M649446		2.99	0.022	<0.2	0.05	10	10	<10	<0.5	<2	0.62	<0.5	39	841	1	2.93
M649447		2.37	0.028	<0.2	0.07	29	<10	<10	<0.5	2	0.37	<0.5	41	731	1	3.39
M649448		2.33	0.073	<0.2	0.08	20	<10	<10	<0.5	<2	0.27	<0.5	42	355	<1	3.54
M649449		2.30	0.107	<0.2	0.09	27	<10	<10	<0.5	<2	0.27	<0.5	43	265	1	3.73
M649450		2.17	0.160	<0.2	0.13	25	<10	<10	<0.5	<2	0.65	<0.5	39	521	<1	3.36



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Page: 2 - B
 Total # Pages: 3 (A - C)
 Finalized Date: 14- AUG- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174498

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649411		<10	<1	<0.01	<10	11.50	673	<1	0.01	473	10	<2	<0.01	<2	3	14
M649412		<10	<1	<0.01	<10	12.95	992	<1	0.01	411	<10	<2	<0.01	<2	5	17
M649413		<10	<1	<0.01	<10	11.60	631	<1	0.01	416	<10	<2	<0.01	<2	6	3
M649414		<10	1	<0.01	<10	11.85	762	<1	0.01	405	<10	<2	<0.01	<2	6	3
M649415		<10	<1	<0.01	<10	11.60	603	<1	0.01	404	<10	<2	<0.01	<2	6	3
M649416		<10	<1	0.02	<10	11.90	211	<1	0.02	5	180	2	0.01	<2	<1	58
M649417		<10	<1	<0.01	<10	11.05	700	<1	0.01	353	<10	<2	<0.01	<2	5	5
M649418		<10	<1	<0.01	<10	11.20	694	<1	0.01	315	<10	<2	<0.01	<2	5	4
M649419		<10	<1	<0.01	<10	11.65	796	<1	0.01	410	<10	<2	<0.01	<2	4	10
M649420		<10	<1	<0.01	<10	11.80	825	<1	0.01	356	<10	<2	<0.01	<2	4	10
M649421		<10	<1	<0.01	<10	12.30	791	<1	0.01	411	<10	<2	<0.01	<2	4	7
M649422		<10	<1	<0.01	<10	12.65	757	<1	0.01	414	<10	<2	<0.01	<2	3	8
M649423		<10	<1	<0.01	<10	12.20	712	<1	0.01	378	<10	<2	<0.01	<2	5	12
M649424		<10	<1	0.01	<10	12.20	218	<1	0.02	7	170	<2	0.01	<2	<1	60
M649425		<10	<1	<0.01	<10	11.70	770	<1	0.01	404	<10	<2	<0.01	<2	5	13
M649426		<10	<1	<0.01	<10	11.00	564	<1	0.01	347	<10	<2	<0.01	<2	5	6
M649427		<10	<1	<0.01	<10	11.50	701	<1	0.01	362	<10	<2	<0.01	<2	5	5
M649428		<10	<1	<0.01	<10	11.70	685	<1	0.01	385	<10	<2	<0.01	<2	6	5
M649429		<10	<1	<0.01	<10	10.55	599	<1	0.01	391	<10	<2	<0.01	<2	5	10
M649430		<10	<1	<0.01	<10	10.90	550	<1	0.01	480	<10	<2	<0.01	<2	5	10
M649431		<10	5	0.36	10	0.10	1010	4	0.02	7	1230	2860	0.38	18	4	137
M649432		<10	<1	<0.01	<10	11.25	755	<1	0.01	354	<10	3	<0.01	<2	5	3
M649433		<10	<1	<0.01	<10	11.90	763	<1	0.01	322	<10	<2	<0.01	<2	6	3
M649434		<10	<1	<0.01	<10	12.35	786	<1	0.01	315	<10	<2	<0.01	<2	6	3
M649435		<10	<1	<0.01	<10	12.35	794	<1	0.01	341	<10	<2	<0.01	<2	5	2
M649436		<10	<1	0.01	<10	13.05	985	<1	0.01	394	<10	<2	<0.01	<2	6	2
M649437		<10	<1	<0.01	<10	13.05	894	<1	0.01	358	<10	<2	<0.01	<2	6	3
M649438		<10	<1	<0.01	<10	13.35	859	<1	0.01	422	<10	<2	<0.01	<2	6	3
M649439		<10	<1	<0.01	<10	11.00	757	<1	<0.01	267	<10	3	0.02	<2	4	3
M649440		10	<1	0.06	40	0.09	270	7	0.22	34	880	31	1.42	23	1	91
M649441		<10	<1	<0.01	<10	12.50	701	<1	0.01	361	<10	2	0.02	<2	5	3
M649442		<10	<1	<0.01	<10	12.40	707	<1	<0.01	363	<10	<2	0.02	<2	4	3
M649443		<10	<1	<0.01	<10	12.80	711	<1	0.01	427	<10	<2	0.01	<2	6	5
M649444		<10	<1	<0.01	<10	13.30	984	<1	<0.01	439	<10	<2	0.01	<2	6	5
M649445		<10	<1	<0.01	<10	14.90	946	<1	<0.01	485	<10	<2	0.01	<2	6	8
M649446		<10	<1	<0.01	<10	12.75	667	<1	<0.01	373	<10	<2	0.01	<2	5	15
M649447		<10	<1	<0.01	<10	14.25	877	<1	<0.01	364	<10	<2	0.02	<2	6	9
M649448		<10	<1	<0.01	<10	14.25	774	<1	0.01	341	<10	<2	0.02	<2	7	5
M649449		<10	<1	<0.01	<10	14.20	865	<1	<0.01	384	<10	<2	0.02	<2	6	6
M649450		<10	<1	<0.01	<10	13.00	767	<1	0.01	340	<10	2	0.02	<2	7	17



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Page: 2 - C
 Total # Pages: 3 (A - C)
 Finalized Date: 14- AUG- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174498

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
M649411		<20	<0.01	<10	<10	6	<10	6
M649412		<20	<0.01	<10	<10	13	<10	9
M649413		<20	<0.01	<10	<10	19	<10	10
M649414		<20	<0.01	<10	<10	19	<10	9
M649415		<20	<0.01	<10	<10	18	<10	10
M649416		<20	<0.01	<10	10	2	<10	17
M649417		<20	<0.01	<10	<10	15	<10	8
M649418		<20	<0.01	<10	<10	14	<10	8
M649419		<20	<0.01	<10	<10	15	<10	6
M649420		<20	<0.01	<10	<10	12	<10	6
M649421		<20	<0.01	<10	<10	12	<10	6
M649422		<20	<0.01	<10	<10	16	<10	5
M649423		<20	<0.01	<10	<10	18	<10	8
M649424		<20	<0.01	<10	10	2	<10	15
M649425		<20	<0.01	<10	<10	16	<10	8
M649426		<20	<0.01	<10	<10	14	<10	7
M649427		<20	<0.01	<10	<10	14	<10	7
M649428		<20	<0.01	<10	<10	15	<10	7
M649429		<20	<0.01	<10	<10	16	<10	7
M649430		<20	<0.01	<10	<10	23	<10	7
M649431		<20	<0.01	<10	<10	52	<10	2120
M649432		<20	<0.01	<10	<10	15	<10	9
M649433		<20	<0.01	<10	<10	15	<10	9
M649434		<20	<0.01	<10	<10	15	<10	9
M649435		<20	<0.01	<10	<10	16	<10	10
M649436		<20	<0.01	<10	<10	17	<10	11
M649437		<20	<0.01	<10	<10	15	<10	9
M649438		<20	<0.01	<10	<10	17	<10	10
M649439		<20	<0.01	<10	<10	9	<10	9
M649440		<20	0.04	<10	<10	7	20	99
M649441		<20	<0.01	<10	<10	14	<10	8
M649442		<20	<0.01	<10	<10	13	<10	7
M649443		<20	<0.01	<10	<10	20	<10	8
M649444		<20	<0.01	<10	<10	16	<10	6
M649445		<20	<0.01	<10	<10	18	<10	6
M649446		<20	<0.01	<10	<10	16	<10	4
M649447		<20	<0.01	<10	<10	17	<10	6
M649448		<20	<0.01	<10	<10	9	<10	7
M649449		<20	<0.01	<10	<10	6	<10	7
M649450		<20	<0.01	<10	<10	19	<10	8



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Page: 3 - A
Total # Pages: 3 (A - C)
Finalized Date: 14- AUG- 2012
Account: F

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CERTIFICATE OF ANALYSIS WH12174498

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA24 Au ppm 0.005	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
M649451		2.56	0.031	<0.2	0.08	8	<10	<10	<0.5	<2	0.72	<0.5	40	819	<1	3.62



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CERTIFICATE OF ANALYSIS WH12174498

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm 10	ppm 1	% 0.01	ppm 10	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	ppm 2	ppm 1	ppm 1
M649451		<10	<1	<0.01	<10	11.90	807	<1	0.01	366	<10	<2	0.02	<2	6	18



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Page: 3 - C
Total # Pages: 3 (A - C)
Finalized Date: 14- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174498

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
M649451		<20	<0.01	<10	<10	25	<10	8



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Page: 1
Finalized Date: 15- AUG- 2012
Account: F

CERTIFICATE WH12174497

Project: Vivi
P.O. No.: RCH- 12- 13
This report is for 41 RC Drill Chip samples submitted to our lab in Whitehorse, YT,
Canada on 25- JUL- 2012.

The following have access to data associated with this certificate:

DOUG BLANCHFLOWER

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
PUL- 31	Pulverize split to 85%<75 um
SPL- 22Y	Split Sample - Boyd Rotary Splitter
LOG- 24	Pulp Login - Rcd w/ o Barcode

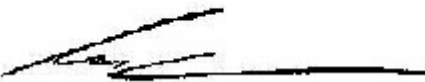
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Au- AA24	Au 50g FA AA finish	AAS

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 3 (A - C)
Finalized Date: 15- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174497

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
M649452		2.00	0.010	<0.2	0.12	32	<10	<10	<0.5	<2	0.11	<0.5	40	317	25	3.56
M649453		1.30	<0.005	<0.2	0.11	20	<10	<10	<0.5	<2	0.74	<0.5	35	298	4	3.30
M649454		1.60	<0.005	<0.2	0.11	7	<10	<10	<0.5	<2	0.93	<0.5	30	314	13	3.02
M649455		1.94	0.011	<0.2	0.12	17	<10	<10	<0.5	<2	0.09	<0.5	38	329	16	3.39
M649456		1.50	0.005	<0.2	0.11	19	<10	<10	<0.5	<2	0.13	<0.5	39	334	6	3.23
M649457		1.90	0.014	<0.2	0.11	14	<10	<10	<0.5	<2	0.13	<0.5	40	347	2	3.60
M649458		1.80	0.018	<0.2	0.11	20	<10	<10	<0.5	<2	0.18	<0.5	36	331	<1	3.20
M649459		2.19	0.006	<0.2	0.10	32	<10	<10	<0.5	<2	0.13	<0.5	38	374	1	3.40
M649460		0.09	0.779	7.5	1.35	8850	170	30	<0.5	201	5.50	0.8	70	21	3410	3.06
M649461		1.63	0.009	<0.2	0.09	8	<10	<10	<0.5	<2	0.15	<0.5	41	428	5	3.48
M649462		1.74	<0.005	<0.2	0.09	24	<10	<10	<0.5	<2	0.15	<0.5	40	325	5	3.40
M649463		1.71	0.017	<0.2	0.07	28	<10	<10	<0.5	<2	0.20	<0.5	40	234	8	3.25
M649464		1.17	<0.005	<0.2	0.03	62	<10	<10	<0.5	<2	0.23	<0.5	41	120	1	2.58
M649465		1.85	0.006	<0.2	0.03	435	<10	<10	<0.5	<2	0.17	<0.5	59	117	5	2.87
M649466		1.64	0.007	<0.2	0.04	169	<10	<10	<0.5	<2	1.04	<0.5	48	141	5	2.63
M649467		2.01	0.009	<0.2	0.06	164	<10	<10	<0.5	<2	0.09	<0.5	53	258	13	3.10
M649468		0.25	1.335	31.1	0.92	539	<10	500	<0.5	2	0.28	32.5	5	11	135	5.67
M649469		1.62	0.009	<0.2	0.20	127	<10	<10	<0.5	<2	0.10	<0.5	45	530	8	2.82
M649470		2.16	0.017	<0.2	0.06	107	<10	<10	<0.5	<2	0.10	<0.5	45	209	8	2.73
M649471		1.91	0.013	<0.2	0.05	118	<10	<10	<0.5	<2	0.08	<0.5	43	210	19	2.79
M649472		2.53	0.012	<0.2	0.03	50	<10	<10	<0.5	<2	0.13	<0.5	40	146	2	2.39
M649473		2.07	0.013	<0.2	0.02	127	<10	<10	<0.5	<2	0.12	<0.5	47	132	8	2.89
M649474		2.24	0.008	<0.2	0.02	77	<10	<10	<0.5	<2	0.23	<0.5	42	110	9	2.65
M649475		1.50	0.014	<0.2	0.02	108	<10	<10	<0.5	<2	0.10	<0.5	53	132	14	2.87
M649476		1.38	0.045	0.3	0.02	76	<10	<10	<0.5	<2	0.18	<0.5	49	98	49	2.69
M649477		1.09	0.049	0.2	0.02	131	<10	<10	<0.5	<2	0.35	<0.5	47	127	44	2.72
M649478		1.93	0.027	<0.2	0.02	227	<10	<10	<0.5	<2	1.68	<0.5	56	100	7	2.69
M649479		1.55	0.029	<0.2	0.04	266	<10	<10	<0.5	<2	2.35	<0.5	56	157	21	3.05
M649480		0.59	0.006	<0.2	0.03	<2	<10	330	<0.5	<2	19.7	<0.5	3	3	1	0.55
M649481		1.89	0.069	<0.2	0.08	97	<10	<10	<0.5	<2	0.57	<0.5	43	266	3	3.15
M649482		1.64	0.024	<0.2	0.08	35	<10	<10	<0.5	<2	0.46	<0.5	39	564	1	3.15
M649483		1.92	0.018	<0.2	0.06	24	<10	<10	<0.5	<2	0.46	<0.5	42	789	<1	2.85
M649484		1.66	0.007	<0.2	0.06	16	<10	<10	<0.5	<2	0.49	<0.5	40	693	<1	3.18
M649485		1.88	0.018	<0.2	0.08	27	<10	<10	<0.5	<2	0.30	<0.5	38	612	1	3.09
M649486		3.34	0.306	<0.2	0.08	41	<10	<10	<0.5	<2	1.23	<0.5	36	338	2	3.04
M649487		2.32	0.458	<0.2	0.10	73	<10	<10	<0.5	<2	1.18	<0.5	44	297	1	3.60
M649488		3.16	0.101	<0.2	0.10	49	<10	<10	<0.5	<2	0.30	<0.5	47	683	1	4.12
M649489		0.73	<0.005	<0.2	0.02	<2	<10	10	<0.5	<2	20.1	<0.5	2	1	<1	0.42
M649490		2.92	0.023	<0.2	0.07	92	<10	<10	<0.5	<2	0.36	<0.5	52	1030	<1	4.52
M649491		3.41	0.042	<0.2	0.06	33	<10	<10	<0.5	<2	0.35	<0.5	42	768	<1	3.75



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Page: 2 - B
 Total # Pages: 3 (A - C)
 Finalized Date: 15- AUG- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174497

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649452		<10	<1	0.01	<10	11.10	569	<1	0.02	434	10	2	<0.01	<2	5	1
M649453		<10	<1	<0.01	<10	11.20	627	<1	0.02	356	<10	<2	<0.01	2	5	13
M649454		<10	<1	<0.01	<10	11.45	696	<1	0.02	297	<10	<2	<0.01	<2	6	27
M649455		<10	<1	<0.01	<10	11.35	585	<1	0.02	410	<10	<2	<0.01	<2	6	1
M649456		<10	<1	<0.01	<10	11.45	691	<1	0.02	427	<10	<2	<0.01	<2	5	1
M649457		<10	<1	<0.01	<10	12.00	700	<1	0.02	428	<10	<2	<0.01	<2	6	1
M649458		<10	<1	<0.01	<10	11.45	561	<1	0.02	382	<10	2	<0.01	<2	5	1
M649459		<10	<1	<0.01	<10	12.10	842	<1	0.02	471	<10	<2	0.01	<2	6	1
M649460		<10	<1	0.08	50	0.08	289	7	0.26	36	930	28	1.41	26	1	96
M649461		<10	<1	<0.01	<10	12.35	887	<1	0.02	548	<10	<2	0.01	<2	5	2
M649462		<10	<1	<0.01	<10	12.20	716	<1	0.02	496	<10	<2	0.01	<2	5	2
M649463		<10	1	<0.01	<10	12.05	534	<1	0.02	531	<10	<2	0.01	<2	5	3
M649464		<10	<1	<0.01	<10	13.50	1210	<1	0.02	626	<10	<2	<0.01	<2	2	4
M649465		<10	<1	<0.01	<10	14.05	1000	<1	0.02	927	<10	<2	<0.01	2	2	2
M649466		<10	<1	<0.01	<10	13.50	784	<1	0.02	835	<10	<2	0.01	<2	2	17
M649467		<10	<1	<0.01	<10	13.15	576	<1	0.02	875	<10	<2	<0.01	3	3	1
M649468		<10	5	0.37	10	0.10	1065	4	0.04	6	1250	2830	0.38	25	4	133
M649469		<10	<1	<0.01	<10	12.55	422	<1	0.02	812	<10	3	<0.01	3	3	1
M649470		<10	<1	<0.01	<10	14.05	731	<1	0.02	773	<10	2	<0.01	2	2	1
M649471		<10	<1	<0.01	<10	13.95	634	<1	0.02	777	<10	2	<0.01	<2	2	1
M649472		<10	<1	<0.01	<10	13.55	702	<1	0.02	610	<10	2	<0.01	<2	2	2
M649473		<10	<1	<0.01	<10	13.70	702	<1	0.02	808	<10	2	<0.01	<2	3	1
M649474		<10	<1	<0.01	<10	13.40	577	<1	0.02	789	<10	<2	<0.01	<2	3	3
M649475		<10	<1	<0.01	<10	14.35	707	<1	0.02	1055	<10	2	<0.01	<2	2	1
M649476		<10	<1	<0.01	<10	13.30	639	<1	0.02	913	<10	<2	<0.01	<2	2	2
M649477		<10	<1	<0.01	<10	13.25	557	<1	0.02	1065	<10	<2	<0.01	<2	2	5
M649478		<10	<1	<0.01	<10	12.85	653	<1	0.02	1110	<10	3	<0.01	<2	2	33
M649479		<10	<1	<0.01	<10	12.20	609	<1	0.02	1050	<10	2	<0.01	2	3	40
M649480		<10	<1	0.01	<10	11.80	209	<1	0.03	14	160	3	0.15	<2	<1	61
M649481		<10	<1	<0.01	<10	11.85	574	<1	0.02	576	<10	<2	0.01	2	5	10
M649482		<10	<1	<0.01	<10	11.95	574	<1	0.02	453	<10	<2	<0.01	<2	5	9
M649483		<10	<1	<0.01	<10	11.35	673	<1	0.02	479	<10	<2	<0.01	2	4	11
M649484		<10	<1	<0.01	<10	11.10	659	<1	0.02	439	<10	<2	<0.01	<2	5	9
M649485		<10	<1	<0.01	<10	10.55	593	<1	<0.01	438	<10	3	<0.01	<2	5	6
M649486		<10	<1	<0.01	<10	11.60	669	<1	<0.01	362	10	<2	<0.01	<2	4	27
M649487		<10	<1	<0.01	<10	13.75	955	<1	<0.01	512	<10	<2	<0.01	<2	6	21
M649488		<10	<1	<0.01	<10	14.05	913	<1	<0.01	483	<10	<2	<0.01	<2	6	4
M649489		<10	<1	0.01	<10	12.25	199	<1	<0.01	<1	160	2	0.01	<2	<1	51
M649490		<10	<1	<0.01	<10	14.65	953	<1	<0.01	549	<10	2	<0.01	<2	7	5
M649491		<10	<1	<0.01	<10	12.50	741	<1	<0.01	433	<10	<2	<0.01	<2	5	4



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Page: 2 - C
 Total # Pages: 3 (A - C)
 Finalized Date: 15- AUG- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174497

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
M649452		<20	<0.01	<10	<10	8	<10	6
M649453		<20	<0.01	<10	<10	6	<10	5
M649454		<20	<0.01	<10	<10	5	<10	6
M649455		<20	<0.01	<10	<10	7	<10	8
M649456		<20	<0.01	<10	<10	8	<10	9
M649457		<20	<0.01	<10	<10	8	<10	8
M649458		<20	<0.01	<10	<10	8	<10	7
M649459		<20	<0.01	<10	<10	9	<10	8
M649460		<20	0.05	<10	<10	7	30	99
M649461		<20	<0.01	<10	<10	11	<10	8
M649462		<20	<0.01	<10	<10	7	<10	6
M649463		<20	<0.01	<10	<10	4	<10	4
M649464		<20	<0.01	<10	<10	2	<10	2
M649465		<20	<0.01	<10	<10	2	<10	2
M649466		<20	<0.01	<10	<10	2	<10	2
M649467		<20	<0.01	<10	<10	4	<10	3
M649468		<20	<0.01	<10	<10	54	<10	2190
M649469		<20	<0.01	<10	<10	5	<10	5
M649470		<20	<0.01	<10	<10	2	<10	3
M649471		<20	<0.01	<10	<10	3	<10	2
M649472		<20	<0.01	<10	<10	1	<10	2
M649473		<20	<0.01	<10	<10	2	<10	3
M649474		<20	<0.01	<10	<10	1	<10	2
M649475		<20	<0.01	<10	<10	2	<10	3
M649476		<20	<0.01	<10	<10	2	<10	3
M649477		<20	<0.01	<10	<10	3	<10	3
M649478		<20	<0.01	<10	<10	3	<10	3
M649479		<20	<0.01	<10	<10	4	<10	4
M649480		<20	<0.01	<10	<10	<1	<10	14
M649481		<20	<0.01	<10	<10	6	<10	6
M649482		<20	<0.01	<10	<10	13	<10	6
M649483		<20	<0.01	<10	<10	14	<10	4
M649484		<20	<0.01	<10	<10	16	<10	6
M649485		<20	<0.01	<10	<10	16	<10	7
M649486		<20	<0.01	<10	<10	10	<10	6
M649487		<20	<0.01	<10	<10	8	<10	9
M649488		<20	<0.01	<10	<10	19	<10	13
M649489		<20	<0.01	<10	<10	<1	<10	15
M649490		<20	<0.01	<10	<10	22	<10	10
M649491		<20	<0.01	<10	<10	19	<10	7



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Page: 3 - A
Total # Pages: 3 (A - C)
Finalized Date: 15- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174497

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA24 Au ppm 0.005	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
M649492		3.23	0.080	<0.2	0.05	48	<10	<10	<0.5	<2	0.50	<0.5	39	720	<1	3.18



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**Page: 3 - B
 Total # Pages: 3 (A - C)
 Finalized Date: 15- AUG- 2012
 Account: F**

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174497

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649492		<10	<1	<0.01	<10	12.30	583	<1	<0.01	397	<10	<2	<0.01	<2	4	10



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 VANCOUVER BC V6B 1L8**

**Page: 3 - C
 Total # Pages: 3 (A - C)
 Finalized Date: 15- AUG- 2012
 Account: F**

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174497

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
M649492		<20	<0.01	<10	<10	15	<10	4



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To: **ARCHER, CATHRO AND ASSOCIATES (1981)
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Page: 1
Finalized Date: 10- AUG- 2012
Account: F

CERTIFICATE WH12174496

Project: Vivi
P.O. No.: RCH- 12- 14
This report is for 41 RC Drill Chip samples submitted to our lab in Whitehorse, YT,
Canada on 25- JUL- 2012.

The following have access to data associated with this certificate:

DOUG BLANCHFLOWER

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
PUL- 31	Pulverize split to 85%<75 um
SPL- 22Y	Split Sample - Boyd Rotary Splitter
LOG- 24	Pulp Login - Rcd w/ o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Au- AA24	Au 50g FA AA finish	AAS

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
ATTN: JOAN MARIACHER
1016- 510 W HASTINGS ST
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 3 (A - C)
Finalized Date: 10- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174496

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
M649493		2.16	<0.005	<0.2	0.40	15	<10	<10	<0.5	<2	0.53	<0.5	42	758	11	3.52
M649494		2.06	<0.005	<0.2	0.34	19	<10	<10	<0.5	<2	0.86	<0.5	37	820	11	4.08
M649495		1.75	0.011	<0.2	0.32	47	<10	10	<0.5	<2	1.92	<0.5	41	923	28	4.12
M649496		1.83	<0.005	<0.2	0.23	12	<10	<10	<0.5	<2	0.40	<0.5	37	1005	4	3.75
M649497		2.59	0.005	<0.2	0.40	7	<10	<10	<0.5	<2	1.53	<0.5	42	901	10	3.85
M649498		1.92	<0.005	<0.2	0.25	<2	<10	<10	<0.5	<2	0.66	<0.5	42	812	5	3.81
M649499		1.64	<0.005	<0.2	0.33	4	<10	<10	<0.5	<2	2.20	<0.5	40	908	4	4.01
M649500		1.78	<0.005	<0.2	3.28	2	<10	170	<0.5	<2	5.43	<0.5	26	216	1	3.19
M649501		2.10	<0.005	<0.2	0.54	<2	<10	10	<0.5	<2	2.98	<0.5	36	720	4	3.16
M649502		1.75	0.006	<0.2	0.24	2	<10	<10	<0.5	<2	0.33	<0.5	46	1090	10	4.07
M649503		0.53	<0.005	<0.2	0.03	<2	<10	20	<0.5	<2	20.4	<0.5	1	8	1	0.47
M649504		1.55	0.006	<0.2	0.21	3	<10	<10	<0.5	<2	0.21	<0.5	52	943	18	4.37
M649505		1.39	0.005	<0.2	0.19	2	<10	<10	<0.5	<2	0.32	<0.5	37	826	8	3.59
M649506		1.82	0.013	<0.2	0.18	3	<10	<10	<0.5	<2	0.13	<0.5	38	938	6	3.76
M649507		1.81	<0.005	<0.2	0.16	6	<10	10	<0.5	<2	0.47	<0.5	50	705	6	3.54
M649508		1.78	<0.005	<0.2	0.15	2	<10	<10	<0.5	<2	0.74	<0.5	38	900	14	3.66
M649509		1.98	<0.005	<0.2	0.29	3	<10	<10	<0.5	<2	0.29	<0.5	41	995	3	4.08
M649510		0.20	1.385	29.1	0.95	517	<10	520	<0.5	<2	0.28	31.2	5	13	132	5.67
M649511		1.96	0.008	<0.2	0.26	<2	<10	<10	<0.5	<2	0.21	<0.5	43	868	1	3.66
M649512		1.96	0.012	<0.2	0.25	4	<10	<10	<0.5	<2	0.34	<0.5	45	1120	93	4.24
M649513		1.92	0.015	<0.2	0.18	3	<10	<10	<0.5	<2	0.21	<0.5	46	1035	3	4.33
M649514		2.09	<0.005	<0.2	0.26	3	<10	10	<0.5	<2	0.27	<0.5	44	974	3	3.82
M649515		2.06	<0.005	<0.2	0.32	2	<10	<10	<0.5	<2	0.11	<0.5	41	893	3	3.63
M649516		2.11	<0.005	<0.2	0.18	2	<10	<10	<0.5	<2	0.06	<0.5	37	770	1	3.17
M649517		2.10	0.057	<0.2	0.15	2	<10	<10	<0.5	<2	0.08	<0.5	38	827	3	3.43
M649518		2.04	0.012	<0.2	0.15	<2	<10	<10	<0.5	<2	0.07	<0.5	39	929	1	3.39
M649519		2.28	0.011	<0.2	0.17	2	<10	<10	<0.5	<2	0.06	<0.5	36	741	1	3.36
M649520		0.87	<0.005	<0.2	0.03	<2	<10	20	<0.5	<2	19.6	<0.5	<1	12	1	0.49
M649521		1.47	0.008	<0.2	0.13	<2	<10	<10	<0.5	<2	0.09	<0.5	36	667	1	3.40
M649522		1.98	0.005	<0.2	0.17	5	<10	<10	<0.5	<2	0.16	<0.5	40	870	3	3.84
M649523		1.76	0.015	<0.2	0.27	8	<10	<10	<0.5	<2	0.09	<0.5	40	1020	9	3.80
M649524		1.68	0.010	<0.2	0.48	4	<10	<10	<0.5	<2	0.08	<0.5	38	893	3	4.02
M649525		1.88	0.024	<0.2	0.20	4	<10	<10	<0.5	<2	0.10	<0.5	40	954	4	3.80
M649526		1.76	0.019	<0.2	0.14	7	<10	<10	<0.5	<2	0.19	<0.5	43	896	3	3.77
M649527		1.87	0.006	<0.2	0.17	10	<10	<10	<0.5	<2	0.14	<0.5	39	936	3	3.61
M649528		1.92	0.008	<0.2	0.15	14	<10	<10	<0.5	<2	0.19	<0.5	39	777	4	3.51
M649529		0.05	0.818	7.1	1.35	8010	160	20	<0.5	202	5.51	0.8	65	19	3320	2.97
M649530		2.05	<0.005	<0.2	0.12	17	10	<10	<0.5	<2	1.12	<0.5	40	755	4	2.96
M649531		2.08	0.006	<0.2	0.11	10	20	<10	<0.5	<2	1.33	<0.5	37	698	4	2.80
M649532		2.18	0.074	0.2	0.14	14	<10	<10	<0.5	<2	0.32	<0.5	40	812	52	3.54



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Page: 2 - B
Total # Pages: 3 (A - C)
Finalized Date: 10- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174496

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649493		<10	<1	<0.01	<10	10.10	819	<1	<0.01	579	40	<2	<0.01	2	8	4
M649494		<10	<1	<0.01	<10	9.84	755	<1	<0.01	492	10	<2	<0.01	<2	8	5
M649495		<10	<1	<0.01	<10	10.40	923	<1	<0.01	540	10	<2	<0.01	<2	7	14
M649496		<10	<1	<0.01	<10	9.97	668	<1	<0.01	444	<10	<2	<0.01	2	7	2
M649497		<10	<1	<0.01	<10	9.48	757	<1	<0.01	565	<10	<2	<0.01	2	6	8
M649498		<10	<1	<0.01	<10	9.67	660	<1	<0.01	547	<10	<2	<0.01	2	5	3
M649499		<10	<1	<0.01	<10	8.71	656	<1	<0.01	578	<10	<2	<0.01	2	5	10
M649500		<10	<1	0.21	<10	7.50	878	<1	<0.01	237	20	16	<0.01	5	20	41
M649501		<10	1	<0.01	<10	9.37	721	<1	<0.01	450	10	2	<0.01	2	8	15
M649502		<10	<1	<0.01	<10	10.70	634	<1	<0.01	584	<10	<2	<0.01	2	5	1
M649503		<10	<1	0.01	<10	11.95	213	<1	<0.01	8	180	<2	<0.01	<2	<1	59
M649504		<10	<1	<0.01	<10	11.05	727	<1	<0.01	691	<10	<2	<0.01	2	5	1
M649505		<10	<1	<0.01	<10	10.85	681	<1	<0.01	487	<10	<2	<0.01	<2	5	2
M649506		<10	<1	<0.01	<10	11.95	662	<1	<0.01	473	<10	<2	<0.01	2	5	<1
M649507		<10	<1	<0.01	<10	10.90	618	<1	<0.01	863	<10	<2	<0.01	<2	5	5
M649508		<10	<1	<0.01	<10	10.75	650	<1	<0.01	530	<10	<2	<0.01	<2	4	6
M649509		<10	<1	<0.01	<10	11.05	587	<1	<0.01	565	<10	<2	<0.01	2	6	2
M649510		<10	6	0.36	10	0.10	1030	5	0.01	6	1260	2960	0.36	23	4	132
M649511		<10	<1	<0.01	<10	10.90	634	<1	<0.01	606	<10	2	<0.01	<2	5	1
M649512		<10	<1	<0.01	<10	12.15	685	<1	<0.01	594	<10	<2	<0.01	2	6	2
M649513		<10	<1	<0.01	<10	11.45	728	<1	<0.01	664	<10	<2	<0.01	<2	6	1
M649514		<10	<1	<0.01	<10	11.65	802	<1	<0.01	608	20	2	<0.01	<2	6	2
M649515		<10	<1	<0.01	<10	11.15	669	<1	<0.01	545	<10	<2	<0.01	<2	6	1
M649516		<10	<1	<0.01	<10	10.20	594	<1	<0.01	479	<10	<2	<0.01	<2	4	<1
M649517		<10	<1	<0.01	<10	11.25	710	<1	<0.01	479	<10	<2	<0.01	<2	4	<1
M649518		<10	<1	<0.01	<10	10.70	689	<1	<0.01	515	<10	<2	<0.01	<2	3	<1
M649519		<10	<1	<0.01	<10	11.15	661	<1	<0.01	462	<10	<2	<0.01	<2	4	<1
M649520		<10	<1	0.01	<10	12.20	213	<1	0.01	11	170	<2	0.01	<2	<1	51
M649521		<10	<1	<0.01	<10	11.10	585	<1	<0.01	516	<10	<2	<0.01	<2	3	<1
M649522		<10	<1	<0.01	<10	11.70	623	<1	<0.01	533	<10	<2	<0.01	<2	5	1
M649523		<10	<1	<0.01	<10	11.20	653	<1	<0.01	503	<10	<2	<0.01	<2	6	1
M649524		<10	<1	<0.01	<10	11.60	655	<1	<0.01	449	<10	<2	<0.01	<2	9	<1
M649525		<10	<1	<0.01	<10	11.55	688	<1	<0.01	505	<10	<2	<0.01	<2	5	<1
M649526		<10	<1	<0.01	<10	12.70	699	<1	<0.01	507	<10	<2	<0.01	<2	5	1
M649527		<10	<1	<0.01	<10	12.15	655	<1	<0.01	455	<10	<2	<0.01	<2	6	<1
M649528		<10	<1	<0.01	<10	11.95	577	<1	<0.01	486	<10	<2	<0.01	<2	5	1
M649529		<10	<1	0.07	50	0.07	282	7	0.22	32	900	30	1.32	24	1	91
M649530		<10	<1	<0.01	<10	12.15	607	<1	0.01	540	<10	<2	<0.01	<2	2	8
M649531		<10	<1	<0.01	<10	12.25	777	<1	<0.01	481	<10	<2	<0.01	<2	4	10
M649532		<10	<1	<0.01	<10	12.10	908	<1	<0.01	481	<10	<2	<0.01	<2	5	3



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Page: 2 - C
 Total # Pages: 3 (A - C)
 Finalized Date: 10- AUG- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174496

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
M649493		<20	<0.01	<10	<10	25	<10	13
M649494		<20	<0.01	<10	<10	32	<10	10
M649495		<20	<0.01	<10	<10	28	<10	9
M649496		<20	<0.01	<10	<10	26	<10	8
M649497		<20	<0.01	<10	<10	34	<10	9
M649498		<20	<0.01	<10	<10	27	<10	9
M649499		<20	<0.01	<10	<10	31	<10	10
M649500		<20	<0.01	<10	<10	68	<10	21
M649501		<20	<0.01	<10	<10	27	<10	9
M649502		<20	<0.01	<10	<10	26	<10	7
M649503		<20	<0.01	<10	<10	1	<10	22
M649504		<20	<0.01	<10	<10	25	<10	9
M649505		<20	<0.01	<10	<10	22	<10	7
M649506		<20	<0.01	<10	<10	24	<10	8
M649507		<20	<0.01	<10	<10	15	<10	7
M649508		<20	<0.01	<10	<10	20	<10	7
M649509		<20	<0.01	<10	<10	28	<10	6
M649510		<20	<0.01	<10	<10	54	<10	2130
M649511		<20	<0.01	<10	<10	25	<10	9
M649512		<20	<0.01	<10	<10	27	<10	10
M649513		<20	<0.01	<10	<10	28	<10	7
M649514		<20	<0.01	<10	<10	23	<10	9
M649515		<20	<0.01	<10	<10	24	<10	9
M649516		<20	<0.01	<10	<10	18	<10	7
M649517		<20	<0.01	<10	<10	22	<10	8
M649518		<20	<0.01	<10	<10	21	<10	7
M649519		<20	<0.01	<10	<10	19	<10	7
M649520		<20	<0.01	<10	<10	1	<10	12
M649521		<20	<0.01	<10	<10	19	<10	5
M649522		<20	<0.01	<10	<10	24	<10	7
M649523		<20	<0.01	<10	<10	26	<10	8
M649524		<20	<0.01	<10	<10	29	<10	11
M649525		<20	<0.01	<10	<10	23	<10	7
M649526		<20	<0.01	<10	<10	20	<10	7
M649527		<20	<0.01	<10	<10	21	<10	7
M649528		<20	<0.01	<10	<10	18	<10	7
M649529		<20	0.04	<10	<10	7	30	97
M649530		<20	<0.01	<10	<10	14	<10	5
M649531		<20	<0.01	<10	<10	13	<10	6
M649532		<20	<0.01	<10	<10	18	<10	11



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Page: 3 - A
Total # Pages: 3 (A - C)
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CERTIFICATE OF ANALYSIS WH12174496

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA24 Au ppm 0.005	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
M649533		1.78	0.018	<0.2	0.14	5	<10	<10	<0.5	<2	0.23	<0.5	40	951	14	3.52



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Page: 3 - B
Total # Pages: 3 (A - C)
Finalized Date: 10- AUG- 2012
Account: F

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CERTIFICATE OF ANALYSIS WH12174496

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649533		<10	<1	<0.01	<10	12.05	907	<1	<0.01	486	<10	<2	<0.01	<2	5	1



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**Page: 3 - C
 Total # Pages: 3 (A - C)
 Finalized Date: 10- AUG- 2012
 Account: F**

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174496

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
M649533		<20	<0.01	<10	<10	20	<10	11



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Page: 1
Finalized Date: 8- AUG- 2012
Account: F

CERTIFICATE WH12174495

Project: Vivi
P.O. No.: RCH- 12- 15
This report is for 40 RC Drill Chip samples submitted to our lab in Whitehorse, YT,
Canada on 25- JUL- 2012.

The following have access to data associated with this certificate:

DOUG BLANCHFLOWER

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

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

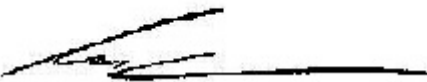
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Au- AA24	Au 50g FA AA finish	AAS

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - C)
Finalized Date: 8- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174495

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
M649534		1.05	<0.005	<0.2	0.58	54	10	30	<0.5	<2	1.66	<0.5	78	1555	12	5.04
M649535		1.69	<0.005	<0.2	0.66	91	<10	50	0.8	<2	3.11	<0.5	91	1750	15	5.63
M649536		1.30	<0.005	<0.2	0.51	147	<10	70	2.2	<2	2.67	<0.5	73	980	14	4.46
M649537		1.78	<0.005	<0.2	0.42	21	10	10	<0.5	<2	0.61	<0.5	74	1195	12	4.74
M649538		1.62	<0.005	<0.2	0.37	12	10	10	<0.5	<2	0.72	<0.5	67	1095	10	3.86
M649539		1.92	<0.005	<0.2	0.51	8	<10	20	<0.5	2	2.09	<0.5	57	999	6	3.51
M649540		1.61	<0.005	<0.2	0.47	8	<10	20	<0.5	<2	2.59	<0.5	50	815	11	3.23
M649541		1.93	<0.005	<0.2	3.49	5	<10	30	<0.5	<2	7.0	<0.5	24	106	8	2.28
M649542		2.15	<0.005	<0.2	3.32	6	<10	10	<0.5	<2	7.4	<0.5	18	37	11	1.63
M649543		1.83	<0.005	<0.2	0.74	4	<10	10	<0.5	<2	5.72	<0.5	45	1145	21	3.86
M649544		0.20	1.320	28.4	0.90	523	<10	480	<0.5	2	0.28	30.8	6	12	138	5.60
M649545		1.71	0.005	0.3	0.94	6	<10	10	<0.5	<2	4.34	<0.5	35	814	50	3.01
M649546		2.08	<0.005	0.4	3.06	4	<10	70	<0.5	<2	6.18	<0.5	18	69	57	1.83
M649547		1.42	<0.005	<0.2	0.87	9	<10	10	<0.5	<2	3.33	<0.5	43	953	14	3.44
M649548		2.02	<0.005	<0.2	0.43	7	<10	20	<0.5	<2	1.31	<0.5	63	1425	19	5.05
M649549		1.92	<0.005	<0.2	0.59	16	<10	10	<0.5	<2	2.24	<0.5	49	959	7	3.54
M649550		1.59	<0.005	<0.2	3.16	9	<10	10	<0.5	<2	5.29	<0.5	26	249	18	2.53
M649551		0.04	0.801	6.7	1.31	8680	170	30	<0.5	196	5.69	0.9	71	20	3410	2.94
M649552		1.26	0.009	0.2	3.08	16	<10	40	<0.5	<2	4.22	<0.5	25	192	37	2.54
M649553		1.47	0.005	<0.2	0.48	25	<10	20	<0.5	<2	0.85	<0.5	41	789	27	3.80
M649554		3.53	0.011	<0.2	0.24	16	<10	10	<0.5	<2	0.29	<0.5	43	874	10	3.86
M649555		1.72	0.036	<0.2	1.13	6	<10	10	<0.5	<2	0.76	<0.5	41	623	17	3.69
M649556		2.46	0.016	<0.2	0.17	8	<10	10	<0.5	2	0.24	<0.5	39	706	1	3.64
M649557		1.66	0.022	<0.2	0.14	7	<10	10	<0.5	2	0.19	<0.5	43	630	2	3.62
M649558		2.05	0.104	<0.2	0.14	15	<10	10	<0.5	<2	0.26	<0.5	44	717	4	4.00
M649559		2.30	0.005	<0.2	0.20	11	<10	<10	<0.5	<2	0.20	<0.5	49	964	3	4.15
M649560		0.60	<0.005	<0.2	0.02	<2	<10	40	<0.5	<2	18.1	<0.5	2	5	2	0.43
M649561		2.49	0.014	<0.2	0.13	6	<10	<10	<0.5	<2	0.18	<0.5	46	1070	2	4.04
M649562		2.59	0.006	<0.2	0.13	8	<10	<10	<0.5	<2	0.15	<0.5	55	1400	1	4.69
M649563		2.64	0.006	<0.2	0.13	5	<10	<10	<0.5	2	0.06	<0.5	39	995	2	3.54
M649564		1.61	0.022	<0.2	0.27	6	<10	<10	<0.5	2	0.36	<0.5	37	945	6	3.55
M649565		2.32	0.011	<0.2	0.17	10	<10	<10	<0.5	<2	0.07	<0.5	42	838	16	4.07
M649566		2.97	0.023	0.2	0.16	11	<10	<10	<0.5	<2	0.11	<0.5	52	841	28	4.69
M649567		0.64	<0.005	<0.2	0.03	2	<10	20	<0.5	<2	18.6	<0.5	2	11	2	0.46
M649568		2.83	<0.005	<0.2	0.19	8	<10	<10	<0.5	<2	0.15	<0.5	49	849	8	5.00
M649569		2.50	0.006	<0.2	0.17	7	<10	<10	<0.5	<2	0.37	<0.5	49	956	4	4.29
M649570		2.57	0.011	<0.2	0.19	9	<10	<10	<0.5	<2	0.22	<0.5	49	1025	12	4.53
M649571		2.58	0.006	<0.2	0.19	8	<10	<10	<0.5	<2	0.22	<0.5	51	1045	4	4.42
M649572		2.88	0.007	<0.2	0.21	6	<10	<10	<0.5	<2	0.32	<0.5	50	1085	2	4.83
M649573		2.60	0.048	<0.2	0.16	5	<10	<10	<0.5	<2	0.30	<0.5	50	1120	3	4.31



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Page: 2 - B
Total # Pages: 2 (A - C)
Finalized Date: 8- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174495

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649534		<10	<1	<0.01	<10	13.20	877	<1	0.02	1560	10	2	0.01	<2	7	16
M649535		<10	<1	0.01	<10	9.13	984	<1	0.02	1825	10	5	0.01	<2	7	30
M649536		<10	<1	<0.01	<10	11.40	830	1	0.02	1530	20	2	0.01	<2	7	39
M649537		<10	<1	<0.01	<10	13.05	579	<1	0.01	1455	<10	<2	0.02	<2	6	7
M649538		<10	<1	<0.01	<10	13.40	574	<1	0.01	1255	<10	<2	0.02	<2	5	8
M649539		<10	<1	<0.01	<10	10.00	577	<1	0.02	995	<10	<2	0.01	<2	5	27
M649540		<10	<1	<0.01	<10	8.20	550	<1	0.02	927	<10	<2	0.01	<2	4	22
M649541		<10	<1	<0.01	<10	6.46	699	<1	0.02	178	10	5	0.01	<2	16	30
M649542		<10	<1	<0.01	<10	3.95	447	<1	0.02	90	10	4	0.01	2	10	19
M649543		<10	<1	<0.01	<10	7.51	878	<1	0.02	721	<10	2	0.01	<2	5	31
M649544		10	5	0.37	10	0.10	1040	5	0.03	6	1220	2810	0.38	22	4	125
M649545		<10	<1	<0.01	<10	6.71	653	<1	0.02	599	10	2	0.01	<2	4	25
M649546		<10	<1	0.01	<10	4.78	509	<1	0.04	108	10	4	0.01	<2	13	26
M649547		<10	<1	<0.01	<10	7.44	540	<1	0.02	651	<10	<2	0.01	<2	6	22
M649548		<10	<1	<0.01	<10	11.10	835	<1	0.02	1020	<10	<2	0.01	<2	5	15
M649549		<10	<1	<0.01	<10	7.81	460	<1	0.02	727	<10	<2	0.01	<2	5	15
M649550		<10	<1	0.01	<10	6.48	597	<1	0.02	251	10	2	0.01	<2	13	27
M649551		10	<1	0.07	50	0.07	286	7	0.24	34	910	31	1.34	24	1	92
M649552		<10	<1	0.04	<10	6.93	677	<1	0.02	273	10	8	0.01	<2	14	37
M649553		<10	<1	0.01	<10	11.20	686	<1	0.01	590	10	<2	<0.01	<2	6	8
M649554		<10	<1	<0.01	<10	11.75	714	<1	0.01	567	10	<2	0.01	<2	5	4
M649555		<10	<1	0.01	<10	10.00	577	<1	0.02	471	<10	<2	0.01	<2	10	10
M649556		<10	<1	<0.01	<10	11.00	661	<1	0.01	490	<10	<2	0.01	<2	5	8
M649557		<10	<1	<0.01	<10	14.30	972	<1	0.01	479	<10	<2	0.01	<2	6	4
M649558		<10	<1	<0.01	<10	13.60	1010	<1	0.01	550	<10	<2	0.01	<2	5	6
M649559		<10	<1	<0.01	<10	16.40	1090	<1	0.01	532	<10	<2	0.01	<2	7	4
M649560		<10	<1	0.01	<10	11.45	200	<1	0.02	5	160	<2	0.03	<2	<1	53
M649561		<10	<1	<0.01	<10	15.20	1020	<1	0.01	491	<10	<2	0.01	<2	6	4
M649562		<10	<1	<0.01	<10	15.80	1080	<1	0.02	591	<10	<2	0.01	<2	7	2
M649563		<10	<1	<0.01	<10	12.15	1010	<1	0.01	486	<10	<2	0.01	<2	6	2
M649564		<10	<1	<0.01	<10	11.25	850	<1	0.01	433	<10	<2	0.01	<2	6	4
M649565		<10	<1	<0.01	<10	13.00	768	<1	0.02	460	<10	<2	0.01	<2	6	2
M649566		<10	<1	<0.01	<10	16.80	1150	<1	0.02	498	<10	<2	0.01	<2	7	2
M649567		<10	<1	0.01	<10	11.80	215	<1	0.02	9	180	<2	0.02	<2	<1	58
M649568		<10	<1	<0.01	<10	16.40	996	<1	0.02	484	<10	<2	0.01	<2	8	2
M649569		<10	<1	<0.01	<10	15.05	990	<1	0.02	532	<10	<2	0.01	<2	7	4
M649570		<10	<1	<0.01	<10	16.50	1100	<1	0.01	543	<10	<2	0.01	<2	7	3
M649571		<10	<1	<0.01	<10	16.55	1000	<1	0.02	580	<10	<2	0.01	<2	7	3
M649572		<10	<1	<0.01	<10	15.40	909	<1	0.02	568	<10	<2	0.01	<2	9	3
M649573		<10	<1	<0.01	<10	15.70	1050	<1	0.01	537	<10	<2	0.01	<2	8	3



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Page: 2 - C
 Total # Pages: 2 (A - C)
 Finalized Date: 8- AUG- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174495

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
M649534		<20	<0.01	<10	<10	43	<10	26
M649535		<20	0.01	<10	<10	51	<10	29
M649536		<20	<0.01	<10	<10	34	<10	22
M649537		<20	<0.01	<10	<10	37	<10	24
M649538		<20	<0.01	<10	<10	28	<10	21
M649539		<20	<0.01	<10	<10	30	<10	16
M649540		<20	<0.01	<10	<10	32	<10	13
M649541		<20	0.01	<10	<10	53	<10	19
M649542		<20	0.01	<10	<10	43	<10	17
M649543		<20	<0.01	<10	<10	43	<10	12
M649544		<20	<0.01	<10	<10	53	<10	2150
M649545		<20	<0.01	<10	<10	39	<10	13
M649546		<20	0.01	<10	<10	46	<10	15
M649547		<20	<0.01	<10	<10	38	<10	15
M649548		<20	<0.01	<10	<10	44	<10	18
M649549		<20	<0.01	<10	<10	34	<10	16
M649550		<20	<0.01	<10	<10	48	<10	18
M649551		<20	0.04	<10	<10	7	30	98
M649552		<20	<0.01	<10	<10	53	<10	17
M649553		<20	<0.01	<10	<10	25	<10	9
M649554		<20	<0.01	<10	<10	22	<10	7
M649555		<20	<0.01	<10	<10	31	<10	11
M649556		<20	<0.01	<10	<10	19	<10	7
M649557		<20	<0.01	<10	<10	14	<10	7
M649558		<20	<0.01	<10	<10	16	<10	6
M649559		<20	<0.01	<10	<10	21	<10	9
M649560		<20	<0.01	<10	<10	1	<10	14
M649561		<20	<0.01	<10	<10	22	<10	8
M649562		<20	<0.01	<10	<10	29	<10	12
M649563		<20	<0.01	<10	<10	21	<10	10
M649564		<20	<0.01	<10	<10	25	<10	10
M649565		<20	<0.01	<10	<10	22	<10	9
M649566		<20	<0.01	<10	<10	23	<10	13
M649567		<20	<0.01	<10	<10	2	<10	13
M649568		<20	<0.01	<10	<10	24	<10	12
M649569		<20	<0.01	<10	<10	23	<10	12
M649570		<20	<0.01	<10	<10	26	<10	12
M649571		<20	<0.01	<10	<10	26	<10	10
M649572		<20	<0.01	<10	<10	34	<10	10
M649573		<20	<0.01	<10	<10	25	<10	13



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Page: 1
Finalized Date: 12- AUG- 2012
Account: F

CERTIFICATE WH12174494

Project: Vivi
P.O. No.: RCH- 12- 16
This report is for 39 RC Drill Chip samples submitted to our lab in Whitehorse, YT,
Canada on 25- JUL- 2012.

The following have access to data associated with this certificate:

DOUG BLANCHFLOWER

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
PUL- 31	Pulverize split to 85%<75 um
SPL- 22Y	Split Sample - Boyd Rotary Splitter
LOG- 24	Pulp Login - Rcd w/ o Barcode

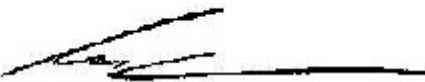
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Au- AA24	Au 50g FA AA finish	AAS

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
 Total # Pages: 2 (A - C)
 Finalized Date: 12- AUG- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174494

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
M649574		1.55	<0.005	<0.2	1.15	12	<10	50	0.7	<2	2.54	<0.5	61	671	28	4.48
M649575		1.75	<0.005	<0.2	1.26	10	<10	40	0.5	<2	2.83	<0.5	51	711	21	4.21
M649576		0.67	<0.005	<0.2	0.62	11	<10	20	<0.5	<2	2.19	<0.5	44	753	9	3.73
M649577		1.34	0.027	<0.2	0.30	19	<10	20	<0.5	<2	1.83	<0.5	44	769	8	3.70
M649578		1.69	0.010	<0.2	0.15	16	<10	20	<0.5	<2	1.12	<0.5	34	546	8	3.18
M649579		0.08	0.783	6.7	1.31	8560	160	30	<0.5	198	5.67	1.0	71	22	3360	2.95
M649580		1.82	0.009	<0.2	0.13	15	<10	10	<0.5	<2	1.97	<0.5	40	802	16	3.59
M649581		2.21	<0.005	<0.2	0.11	12	<10	20	<0.5	<2	1.76	<0.5	50	594	5	3.44
M649582		1.60	<0.005	<0.2	0.15	14	<10	20	<0.5	<2	0.91	<0.5	51	708	5	3.91
M649583		1.71	<0.005	<0.2	0.21	25	<10	30	<0.5	<2	1.30	<0.5	58	612	2	4.16
M649584		1.53	<0.005	<0.2	0.23	21	<10	20	<0.5	<2	0.78	<0.5	52	679	4	3.92
M649585		1.55	0.020	<0.2	0.19	13	<10	20	<0.5	2	0.59	<0.5	50	656	51	3.88
M649586		1.72	<0.005	<0.2	0.25	5	<10	10	<0.5	2	0.76	<0.5	41	719	13	3.60
M649587		1.89	<0.005	<0.2	0.15	8	<10	10	<0.5	<2	0.44	<0.5	42	676	1	3.35
M649588		0.60	<0.005	<0.2	0.03	<2	<10	20	<0.5	<2	19.6	<0.5	<1	3	3	0.43
M649589		2.15	0.005	<0.2	0.15	5	<10	<10	<0.5	<2	0.28	<0.5	42	750	1	3.53
M649590		1.77	<0.005	<0.2	0.14	3	<10	<10	<0.5	2	0.28	<0.5	42	752	1	3.56
M649591		1.86	<0.005	<0.2	0.12	6	<10	<10	<0.5	<2	0.12	<0.5	39	635	1	3.25
M649592		1.65	<0.005	<0.2	0.14	7	<10	<10	<0.5	<2	0.15	<0.5	44	541	9	3.74
M649593		2.28	<0.005	<0.2	0.12	8	<10	<10	<0.5	<2	0.17	<0.5	40	559	4	3.32
M649594		1.95	<0.005	<0.2	0.10	7	<10	<10	<0.5	<2	0.20	<0.5	42	654	2	3.33
M649595		1.08	<0.005	<0.2	0.11	12	10	<10	<0.5	<2	0.24	<0.5	47	665	5	3.60
M649596		0.23	1.435	27.6	0.87	498	<10	460	<0.5	4	0.26	30.1	5	11	131	5.41
M649597		1.64	<0.005	<0.2	0.10	9	<10	10	<0.5	<2	0.49	<0.5	51	615	3	3.78
M649598		1.94	<0.005	<0.2	0.15	6	<10	10	<0.5	<2	0.42	<0.5	43	788	2	3.56
M649599		2.42	<0.005	<0.2	0.13	5	<10	<10	<0.5	<2	0.28	<0.5	44	737	2	3.16
M649600		1.77	0.011	<0.2	0.16	6	<10	<10	<0.5	<2	0.14	<0.5	43	912	1	3.61
M649601		1.91	<0.005	<0.2	0.15	5	<10	<10	<0.5	<2	0.11	<0.5	37	797	1	3.27
M649602		2.19	0.019	<0.2	0.15	7	<10	<10	<0.5	<2	0.13	<0.5	38	788	1	3.28
M649603		1.85	0.011	<0.2	0.17	4	<10	<10	<0.5	<2	0.15	<0.5	39	785	2	3.13
M649604		1.81	0.033	<0.2	0.29	3	<10	<10	<0.5	<2	0.13	<0.5	36	833	1	3.28
M649605		1.80	0.065	<0.2	0.19	5	<10	<10	<0.5	<2	0.17	<0.5	38	899	2	3.44
M649606		1.88	0.029	<0.2	0.14	3	<10	<10	<0.5	<2	0.18	<0.5	37	720	1	2.77
M649607		2.17	<0.005	<0.2	0.11	3	<10	<10	<0.5	2	0.13	<0.5	46	759	1	3.31
M649608		0.73	<0.005	<0.2	0.03	2	<10	20	<0.5	<2	19.6	<0.5	<1	9	1	0.41
M649609		1.97	<0.005	<0.2	0.12	5	<10	<10	<0.5	<2	0.19	<0.5	50	655	1	3.64
M649610		1.90	<0.005	<0.2	0.11	<2	<10	<10	<0.5	<2	0.16	<0.5	44	683	1	3.57
M649611		1.64	<0.005	<0.2	0.18	<2	<10	10	0.5	<2	0.28	<0.5	46	817	<1	3.74
M649612		1.74	<0.005	<0.2	0.15	2	<10	<10	<0.5	<2	0.12	<0.5	41	915	1	3.68



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Page: 2 - B
Total # Pages: 2 (A - C)
Finalized Date: 12- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174494

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649574		<10	<1	0.03	<10	6.98	800	<1	0.01	986	50	4	<0.01	<2	8	26
M649575		<10	<1	0.02	<10	7.40	819	<1	0.02	817	40	2	<0.01	<2	8	28
M649576		<10	<1	0.01	<10	9.53	703	<1	0.01	541	20	2	<0.01	<2	7	11
M649577		<10	<1	<0.01	<10	9.43	636	<1	<0.01	577	10	<2	<0.01	<2	5	8
M649578		<10	<1	<0.01	<10	10.35	605	<1	<0.01	558	10	<2	<0.01	<2	3	7
M649579		<10	<1	0.07	50	0.07	285	7	0.23	37	920	31	1.40	24	1	92
M649580		<10	<1	<0.01	<10	11.60	657	<1	<0.01	697	10	2	<0.01	<2	4	12
M649581		<10	<1	<0.01	<10	11.90	714	<1	<0.01	765	<10	<2	<0.01	<2	4	12
M649582		<10	<1	<0.01	<10	12.05	633	<1	<0.01	795	10	<2	<0.01	<2	4	6
M649583		<10	<1	<0.01	<10	11.80	609	<1	<0.01	936	10	<2	<0.01	<2	4	13
M649584		<10	<1	<0.01	<10	11.65	681	<1	<0.01	854	10	<2	<0.01	<2	5	6
M649585		<10	<1	<0.01	<10	12.95	831	<1	<0.01	732	<10	<2	<0.01	<2	5	5
M649586		<10	<1	<0.01	<10	12.00	614	<1	<0.01	597	<10	2	<0.01	<2	5	7
M649587		<10	<1	<0.01	<10	11.35	644	<1	<0.01	578	<10	<2	<0.01	<2	4	3
M649588		<10	<1	0.01	<10	12.00	192	<1	0.01	3	160	<2	0.01	<2	<1	53
M649589		<10	<1	<0.01	<10	11.55	627	<1	<0.01	520	<10	2	<0.01	<2	4	3
M649590		<10	<1	<0.01	<10	12.35	669	<1	<0.01	500	<10	<2	<0.01	<2	5	2
M649591		<10	<1	<0.01	<10	11.80	671	<1	<0.01	443	<10	<2	<0.01	<2	5	1
M649592		<10	<1	<0.01	<10	13.10	691	<1	<0.01	563	<10	<2	<0.01	<2	5	1
M649593		<10	<1	<0.01	<10	12.05	708	<1	<0.01	486	<10	<2	<0.01	<2	5	1
M649594		<10	<1	<0.01	<10	12.15	682	<1	<0.01	500	<10	<2	<0.01	<2	4	2
M649595		<10	<1	<0.01	<10	13.15	705	<1	<0.01	775	<10	<2	<0.01	<2	3	2
M649596		<10	5	0.36	10	0.10	998	5	0.02	6	1170	2670	0.36	21	4	125
M649597		<10	<1	<0.01	<10	13.80	704	<1	<0.01	793	<10	5	<0.01	<2	3	4
M649598		<10	<1	<0.01	<10	12.30	631	<1	<0.01	621	<10	<2	<0.01	<2	5	3
M649599		<10	<1	<0.01	<10	11.50	711	<1	<0.01	515	<10	<2	<0.01	<2	4	2
M649600		<10	<1	<0.01	<10	12.45	729	<1	<0.01	517	<10	<2	<0.01	<2	5	1
M649601		<10	<1	<0.01	<10	11.55	627	<1	<0.01	401	<10	<2	<0.01	<2	5	1
M649602		<10	<1	<0.01	<10	11.55	632	<1	<0.01	412	<10	<2	<0.01	<2	4	1
M649603		<10	<1	<0.01	<10	11.25	661	<1	<0.01	446	<10	<2	<0.01	<2	4	1
M649604		<10	<1	<0.01	<10	10.70	486	<1	<0.01	421	<10	<2	<0.01	<2	6	1
M649605		<10	<1	<0.01	<10	11.15	618	<1	<0.01	474	<10	<2	<0.01	<2	5	1
M649606		<10	<1	<0.01	<10	11.95	622	<1	<0.01	431	<10	<2	<0.01	<2	4	1
M649607		<10	<1	<0.01	<10	12.10	660	<1	<0.01	512	<10	<2	<0.01	<2	4	1
M649608		<10	<1	0.01	<10	11.95	203	<1	0.01	8	190	<2	0.01	<2	<1	50
M649609		<10	<1	<0.01	<10	12.25	684	<1	<0.01	645	<10	<2	<0.01	<2	4	1
M649610		<10	<1	<0.01	<10	11.95	656	<1	0.02	531	<10	<2	<0.01	<2	4	<1
M649611		<10	<1	<0.01	<10	12.00	660	<1	0.02	648	<10	2	<0.01	<2	5	2
M649612		<10	<1	<0.01	<10	11.65	640	<1	0.02	519	<10	2	<0.01	<2	6	<1



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Page: 2 - C
 Total # Pages: 2 (A - C)
 Finalized Date: 12- AUG- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174494

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
M649574		<20	0.02	<10	<10	81	<10	22
M649575		<20	0.01	<10	<10	79	<10	20
M649576		<20	<0.01	<10	<10	38	<10	11
M649577		<20	<0.01	<10	<10	22	<10	7
M649578		<20	<0.01	<10	<10	14	<10	5
M649579		<20	0.04	<10	<10	7	30	96
M649580		<20	<0.01	<10	<10	16	<10	5
M649581		<20	<0.01	<10	<10	14	<10	6
M649582		<20	<0.01	<10	<10	17	<10	7
M649583		<20	<0.01	<10	<10	17	<10	8
M649584		<20	<0.01	<10	<10	16	<10	9
M649585		<20	<0.01	<10	<10	15	<10	10
M649586		<20	<0.01	<10	<10	19	<10	9
M649587		<20	<0.01	<10	<10	15	<10	8
M649588		<20	<0.01	<10	<10	1	<10	13
M649589		<20	<0.01	<10	<10	18	<10	7
M649590		<20	<0.01	<10	<10	18	<10	9
M649591		<20	<0.01	<10	<10	15	<10	8
M649592		<20	<0.01	<10	<10	14	<10	9
M649593		<20	<0.01	<10	<10	14	<10	9
M649594		<20	<0.01	<10	<10	14	<10	7
M649595		<20	<0.01	<10	<10	15	<10	7
M649596		<20	<0.01	<10	<10	51	<10	2040
M649597		<20	<0.01	<10	<10	14	<10	8
M649598		<20	<0.01	<10	<10	18	<10	8
M649599		<20	<0.01	<10	<10	16	<10	8
M649600		<20	<0.01	<10	<10	21	<10	9
M649601		<20	<0.01	<10	<10	18	<10	8
M649602		<20	<0.01	<10	<10	18	<10	8
M649603		<20	<0.01	<10	<10	18	<10	8
M649604		<20	<0.01	<10	<10	22	<10	8
M649605		<20	<0.01	<10	<10	22	<10	8
M649606		<20	<0.01	<10	<10	14	<10	7
M649607		<20	<0.01	<10	<10	16	<10	6
M649608		<20	<0.01	<10	<10	1	<10	15
M649609		<20	<0.01	<10	<10	13	<10	6
M649610		<20	<0.01	<10	<10	15	<10	6
M649611		<20	<0.01	<10	<10	17	<10	8
M649612		<20	<0.01	<10	<10	21	<10	7



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Page: 1
Finalized Date: 11- AUG- 2012
Account: F

CERTIFICATE WH12174493

Project: Vivi
P.O. No.: RCH- 12- 17
This report is for 41 RC Drill Chip samples submitted to our lab in Whitehorse, YT,
Canada on 25- JUL- 2012.

The following have access to data associated with this certificate:

DOUG BLANCHFLOWER

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
LOG- 24	Pulp Login - Rcd w/ o Barcode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%< 2mm
PUL- 31	Pulverize split to 85%< 75 um
SPL- 22Y	Split Sample - Boyd Rotary Splitter

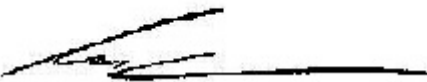
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Au- AA24	Au 50g FA AA finish	AAS

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
 Total # Pages: 3 (A - C)
 Finalized Date: 11- AUG- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174493

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
M649613		2.64	0.257	<0.2	0.13	4	<10	10	<0.5	<2	1.20	<0.5	37	608	12	3.09
M649614		2.76	0.017	<0.2	0.10	4	<10	<10	<0.5	<2	0.19	<0.5	42	718	1	3.13
M649615		2.83	0.036	0.2	0.19	5	<10	<10	<0.5	<2	0.18	<0.5	40	799	3	3.19
M649616		1.86	0.065	<0.2	0.11	9	<10	<10	<0.5	<2	0.20	<0.5	39	699	7	3.16
M649617		3.11	0.087	0.2	0.10	16	<10	<10	<0.5	<2	0.19	<0.5	45	758	24	3.30
M649618		0.24	1.390	27.9	0.95	508	<10	500	<0.5	3	0.27	29.6	6	12	137	5.42
M649619		2.77	0.047	<0.2	0.06	30	20	<10	<0.5	<2	0.13	<0.5	49	448	4	2.87
M649620		3.01	0.010	<0.2	0.04	38	40	<10	<0.5	<2	0.11	<0.5	43	505	5	2.68
M649621		2.79	0.026	<0.2	0.03	22	40	<10	<0.5	2	0.11	<0.5	37	580	3	2.52
M649622		2.92	0.010	<0.2	0.06	25	40	<10	<0.5	<2	0.13	<0.5	39	826	1	2.59
M649623		2.34	0.007	<0.2	0.06	22	60	<10	<0.5	2	0.19	<0.5	34	665	1	2.24
M649624		1.36	<0.005	<0.2	0.01	5	<10	10	<0.5	<2	18.5	<0.5	2	8	2	0.45
M649625		2.96	0.015	<0.2	0.04	16	20	<10	<0.5	<2	0.14	<0.5	38	931	<1	2.81
M649626		2.86	0.017	<0.2	0.06	12	40	<10	<0.5	<2	0.38	<0.5	40	843	2	3.00
M649627		2.49	0.271	<0.2	0.07	16	10	<10	<0.5	<2	0.53	<0.5	36	765	<1	2.85
M649628		1.69	0.108	<0.2	0.11	8	<10	<10	<0.5	<2	0.19	<0.5	38	690	1	3.12
M649629		2.14	0.277	0.2	0.10	14	<10	<10	<0.5	<2	0.27	<0.5	34	612	<1	2.99
M649630		2.29	0.131	<0.2	0.10	32	<10	<10	<0.5	<2	0.96	<0.5	44	849	2	3.55
M649631		2.09	0.088	0.2	0.09	18	<10	<10	<0.5	<2	1.55	<0.5	34	443	20	2.68
M649632		1.62	0.103	<0.2	0.14	16	<10	<10	<0.5	<2	0.23	<0.5	39	801	1	3.13
M649633		2.07	0.013	<0.2	0.09	11	<10	<10	<0.5	2	0.20	<0.5	42	620	2	2.78
M649634		1.29	<0.005	<0.2	0.03	3	<10	10	<0.5	<2	18.1	<0.5	2	9	1	0.43
M649635		2.84	0.016	<0.2	0.11	11	<10	<10	<0.5	2	0.21	<0.5	39	468	3	2.94
M649636		1.78	0.014	<0.2	0.14	49	<10	<10	<0.5	<2	0.46	<0.5	38	388	7	2.80
M649637		1.90	0.105	<0.2	0.16	46	<10	<10	<0.5	2	0.11	<0.5	36	508	4	3.00
M649638		1.29	0.043	<0.2	0.12	64	<10	<10	<0.5	<2	0.20	<0.5	39	430	4	2.98
M649639		2.51	0.016	<0.2	0.09	93	<10	10	<0.5	2	0.66	<0.5	41	418	12	3.06
M649640		2.23	0.009	<0.2	0.09	21	<10	<10	<0.5	<2	0.77	<0.5	44	688	4	3.03
M649641		0.09	0.783	6.9	1.31	8640	170	20	<0.5	206	5.70	0.9	70	20	3160	3.08
M649642		3.28	0.145	<0.2	0.06	6	<10	<10	<0.5	<2	0.49	<0.5	34	619	7	3.14
M649643		1.85	0.075	0.4	0.06	8	<10	<10	<0.5	<2	0.45	<0.5	32	534	25	2.98
M649644		1.73	0.104	<0.2	0.06	10	<10	<10	<0.5	<2	0.46	<0.5	32	544	2	3.13
M649645		2.10	0.017	<0.2	0.05	16	<10	<10	<0.5	<2	0.86	<0.5	40	938	2	3.65
M649646		2.48	0.011	<0.2	0.05	87	<10	<10	<0.5	<2	0.75	<0.5	40	848	3	4.02
M649647		1.71	0.013	<0.2	0.05	65	<10	<10	<0.5	<2	0.35	<0.5	42	1030	2	4.02
M649648		2.28	0.027	<0.2	0.05	21	<10	<10	<0.5	<2	0.68	<0.5	41	896	1	3.81
M649649		3.10	0.013	<0.2	0.06	15	<10	<10	<0.5	<2	0.34	<0.5	41	892	1	3.85
M649650		2.96	0.015	<0.2	0.07	33	<10	<10	<0.5	<2	0.17	<0.5	44	983	2	4.20
M649651		2.30	0.018	<0.2	0.06	59	10	<10	<0.5	<2	0.66	<0.5	44	936	2	4.02
M649652		2.49	0.010	<0.2	0.05	19	10	<10	<0.5	<2	1.02	<0.5	43	887	1	3.77



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Page: 2 - B
 Total # Pages: 3 (A - C)
 Finalized Date: 11- AUG- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174493

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649613		<10	<1	<0.01	<10	12.80	714	<1	0.02	495	<10	<2	0.01	<2	5	18
M649614		<10	<1	<0.01	<10	12.10	758	<1	0.01	469	<10	<2	0.01	<2	5	7
M649615		<10	<1	<0.01	<10	12.05	581	<1	0.02	468	<10	<2	0.01	<2	7	4
M649616		<10	<1	<0.01	<10	11.75	531	<1	0.02	412	<10	<2	0.01	<2	5	4
M649617		<10	<1	<0.01	<10	13.10	649	<1	0.02	492	<10	2	0.01	<2	5	4
M649618		10	5	0.38	10	0.11	1010	4	0.03	6	1240	2850	0.38	19	4	136
M649619		<10	<1	<0.01	<10	13.35	781	<1	0.02	672	<10	<2	0.01	<2	2	3
M649620		<10	<1	<0.01	<10	13.90	687	<1	0.02	640	<10	<2	0.01	<2	2	3
M649621		<10	<1	<0.01	<10	13.65	692	<1	0.01	445	<10	<2	0.01	<2	3	3
M649622		<10	<1	<0.01	<10	13.20	590	<1	0.02	537	<10	<2	0.01	<2	3	3
M649623		<10	<1	<0.01	<10	13.20	630	<1	0.02	436	<10	<2	0.01	<2	3	4
M649624		<10	<1	0.01	<10	11.90	218	<1	0.03	10	160	<2	0.03	<2	<1	45
M649625		<10	<1	<0.01	<10	13.15	718	<1	0.02	508	<10	<2	0.01	<2	3	2
M649626		<10	<1	<0.01	<10	13.85	723	<1	0.02	503	<10	<2	0.01	<2	3	5
M649627		<10	<1	<0.01	<10	12.35	642	<1	0.02	407	<10	<2	0.01	<2	4	7
M649628		<10	<1	<0.01	<10	11.65	609	<1	0.02	432	<10	<2	0.01	<2	5	3
M649629		<10	<1	<0.01	<10	10.95	524	<1	0.02	348	<10	<2	0.01	<2	5	5
M649630		<10	<1	<0.01	<10	11.65	616	<1	0.02	551	<10	<2	0.01	<2	3	14
M649631		<10	<1	<0.01	<10	11.05	516	<1	0.02	382	<10	<2	0.01	<2	4	19
M649632		<10	<1	<0.01	<10	11.50	492	<1	0.02	452	<10	<2	0.01	<2	5	4
M649633		<10	<1	<0.01	<10	11.45	684	<1	0.02	456	<10	<2	0.01	<2	4	4
M649634		<10	<1	0.02	<10	11.65	203	<1	0.02	11	150	<2	0.02	<2	<1	41
M649635		<10	<1	<0.01	<10	12.10	721	<1	0.02	400	<10	<2	0.01	<2	5	3
M649636		<10	<1	<0.01	<10	11.20	636	<1	0.02	423	<10	<2	0.01	<2	4	6
M649637		<10	<1	<0.01	<10	10.80	510	<1	0.02	398	<10	<2	0.01	<2	5	3
M649638		<10	<1	<0.01	<10	11.05	578	<1	0.02	459	<10	<2	0.01	<2	5	4
M649639		<10	<1	<0.01	<10	11.85	662	<1	0.02	523	<10	<2	0.01	<2	5	10
M649640		<10	<1	<0.01	<10	12.00	701	<1	0.02	613	<10	<2	0.01	<2	4	13
M649641		<10	1	0.07	50	0.07	285	7	0.23	35	900	32	1.43	24	1	90
M649642		<10	<1	<0.01	<10	11.45	524	<1	<0.01	404	<10	<2	0.01	<2	4	6
M649643		<10	<1	<0.01	<10	11.65	541	<1	<0.01	384	<10	<2	<0.01	<2	5	5
M649644		<10	<1	<0.01	<10	12.10	573	<1	<0.01	332	<10	<2	<0.01	<2	5	5
M649645		<10	1	<0.01	<10	13.75	882	<1	<0.01	477	<10	<2	<0.01	<2	5	11
M649646		<10	1	<0.01	<10	14.45	784	<1	0.01	482	<10	<2	<0.01	<2	6	9
M649647		<10	1	<0.01	<10	13.50	620	<1	<0.01	507	<10	2	<0.01	<2	6	3
M649648		<10	<1	<0.01	<10	13.65	660	<1	<0.01	474	<10	<2	<0.01	<2	5	8
M649649		<10	<1	<0.01	<10	13.95	670	<1	0.01	468	<10	<2	<0.01	<2	6	3
M649650		<10	<1	<0.01	<10	13.15	691	<1	<0.01	483	<10	<2	<0.01	3	6	1
M649651		<10	<1	<0.01	<10	13.30	809	<1	<0.01	508	<10	<2	<0.01	<2	5	7
M649652		<10	<1	<0.01	<10	13.65	925	<1	<0.01	473	10	<2	<0.01	2	6	11



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Page: 2 - C
 Total # Pages: 3 (A - C)
 Finalized Date: 11- AUG- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174493

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
M649613		<20	<0.01	<10	<10	14	<10	9
M649614		<20	<0.01	<10	<10	15	<10	7
M649615		<20	<0.01	<10	<10	18	<10	7
M649616		<20	<0.01	<10	<10	16	<10	6
M649617		<20	<0.01	<10	<10	14	<10	8
M649618		<20	<0.01	<10	<10	53	<10	2110
M649619		<20	<0.01	<10	<10	8	<10	7
M649620		<20	<0.01	<10	<10	7	<10	6
M649621		<20	<0.01	<10	<10	7	<10	5
M649622		<20	<0.01	<10	<10	9	<10	5
M649623		<20	<0.01	<10	<10	7	<10	5
M649624		<20	<0.01	<10	<10	1	<10	11
M649625		<20	<0.01	<10	<10	12	<10	5
M649626		<20	<0.01	<10	<10	10	<10	5
M649627		<20	<0.01	<10	<10	11	<10	6
M649628		<20	<0.01	<10	<10	14	<10	10
M649629		<20	<0.01	<10	<10	14	<10	9
M649630		<20	<0.01	<10	<10	23	<10	7
M649631		<20	<0.01	<10	<10	9	<10	5
M649632		<20	<0.01	<10	<10	14	<10	5
M649633		<20	<0.01	<10	<10	13	<10	6
M649634		<20	<0.01	<10	<10	1	<10	12
M649635		<20	<0.01	<10	<10	12	<10	7
M649636		<20	<0.01	<10	<10	9	<10	9
M649637		<20	<0.01	<10	<10	12	<10	5
M649638		<20	<0.01	<10	<10	10	<10	5
M649639		<20	<0.01	<10	<10	11	<10	5
M649640		<20	<0.01	<10	<10	12	<10	4
M649641		<20	0.05	<10	<10	7	30	103
M649642		<20	<0.01	<10	<10	11	<10	5
M649643		<20	<0.01	<10	<10	12	<10	6
M649644		<20	<0.01	<10	<10	11	<10	7
M649645		<20	<0.01	<10	<10	16	<10	6
M649646		<20	<0.01	<10	<10	15	<10	6
M649647		<20	<0.01	<10	<10	17	<10	5
M649648		<20	<0.01	<10	<10	17	<10	6
M649649		<20	<0.01	<10	<10	16	<10	10
M649650		<20	<0.01	<10	<10	21	<10	7
M649651		<20	<0.01	<10	<10	17	<10	8
M649652		<20	<0.01	<10	<10	16	<10	8



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Page: 3 - A
Total # Pages: 3 (A - C)
Finalized Date: 11- AUG- 2012
Account: F

CERTIFICATE OF ANALYSIS WH12174493

Sample Description	Method Analyte Units LOR	WEI- 21	Au- AA24	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
M649653		3.19	0.015	<0.2	0.06	31	10	<10	<0.5	<2	0.96	<0.5	46	965	2	3.98



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Page: 3 - B
Total # Pages: 3 (A - C)
Finalized Date: 11- AUG- 2012
Account: F

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CERTIFICATE OF ANALYSIS WH12174493

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649653		<10	<1	<0.01	<10	15.10	946	<1	<0.01	539	<10	<2	<0.01	<2	6	9



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**Page: 3 - C
 Total # Pages: 3 (A - C)
 Finalized Date: 11- AUG- 2012
 Account: F**

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174493

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
M649653		<20	<0.01	<10	<10	16	<10	7



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Page: 1
Finalized Date: 11- AUG- 2012
Account: F

CERTIFICATE WH12174492

Project: Vivi
P.O. No.: RCH- 12- 18
This report is for 41 RC Drill Chip samples submitted to our lab in Whitehorse, YT,
Canada on 25- JUL- 2012.

The following have access to data associated with this certificate:

DOUG BLANCHFLOWER

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%< 2mm
PUL- 31	Pulverize split to 85%< 75 um
SPL- 22Y	Split Sample - Boyd Rotary Splitter
LOG- 24	Pulp Login - Rcd w/ o Barcode

ANALYTICAL PROCEDURES

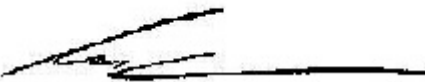
ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Au- AA24	Au 50g FA AA finish	AAS

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 3 (A - C)
Plus Appendix Pages
Finalized Date: 11- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174492

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
M649654		1.64	0.128	<0.2	0.11	26	<10	<10	<0.5	<2	0.27	<0.5	37	340	<1	3.37
M649655		1.84	0.112	<0.2	0.08	10	<10	<10	<0.5	<2	0.20	<0.5	35	583	<1	3.39
M649656		2.30	0.030	<0.2	0.07	5	<10	<10	<0.5	<2	0.43	<0.5	37	777	<1	3.28
M649657		2.27	0.026	<0.2	0.06	9	<10	<10	<0.5	<2	0.33	<0.5	34	581	<1	2.77
M649658		1.20	<0.005	<0.2	0.05	<2	<10	<10	<0.5	<2	20.3	<0.5	1	9	1	0.52
M649659		2.07	0.042	<0.2	0.08	4	<10	<10	<0.5	<2	0.87	<0.5	36	788	<1	3.18
M649660		2.77	0.057	<0.2	0.08	15	<10	<10	<0.5	<2	0.40	<0.5	36	526	2	2.89
M649661		2.17	0.143	<0.2	0.09	66	<10	<10	<0.5	<2	0.53	<0.5	36	528	1	3.23
M649662		2.33	0.076	<0.2	0.04	87	<10	<10	<0.5	<2	0.43	<0.5	44	197	1	3.10
M649663		2.39	0.907	<0.2	0.02	29	<10	<10	<0.5	<2	0.18	<0.5	39	171	<1	3.21
M649664		2.59	0.835	<0.2	0.02	25	<10	<10	<0.5	<2	0.20	<0.5	39	341	1	3.14
M649665		2.24	0.245	<0.2	0.04	52	<10	<10	<0.5	<2	1.36	<0.5	35	232	1	2.77
M649666		0.24	1.390	31.8	0.97	543	<10	560	0.5	<2	0.29	31.9	5	13	137	5.79
M649667		2.35	0.090	<0.2	0.06	8	<10	<10	<0.5	<2	0.62	<0.5	39	494	<1	3.11
M649668		2.30	0.045	<0.2	0.07	5	<10	<10	<0.5	<2	0.59	<0.5	42	667	<1	3.33
M649669		1.71	0.075	<0.2	0.07	16	<10	<10	<0.5	<2	0.81	<0.5	39	644	1	2.92
M649670		1.75	0.075	<0.2	0.06	9	<10	<10	<0.5	<2	1.26	<0.5	40	805	1	3.06
M649671		2.35	0.006	<0.2	0.07	4	<10	<10	<0.5	<2	0.76	<0.5	35	650	<1	2.85
M649672		1.98	0.011	<0.2	0.08	8	<10	<10	<0.5	<2	0.95	<0.5	36	672	2	3.00
M649673		2.17	0.010	<0.2	0.07	19	<10	<10	<0.5	<2	0.56	<0.5	36	657	1	2.80
M649674		1.82	0.023	<0.2	0.08	11	<10	<10	<0.5	<2	0.33	<0.5	33	725	<1	2.71
M649675		3.38	0.043	<0.2	0.06	5	<10	<10	<0.5	<2	0.43	<0.5	30	474	<1	2.15
M649676		0.09	NSS	7.8	1.38	8880	170	30	<0.5	213	5.85	1.0	72	21	3490	3.06
M649677		1.10	0.009	<0.2	0.10	13	<10	<10	<0.5	<2	0.44	<0.5	33	568	2	2.40
M649678		2.45	0.011	<0.2	0.08	8	<10	<10	<0.5	<2	0.57	<0.5	35	616	1	2.46
M649679		2.44	<0.005	<0.2	0.08	6	<10	<10	<0.5	<2	0.80	<0.5	33	592	<1	2.56
M649680		2.01	0.007	<0.2	0.07	4	<10	<10	<0.5	<2	0.61	<0.5	38	576	<1	2.60
M649681		3.13	0.037	<0.2	0.07	6	<10	<10	<0.5	<2	0.56	<0.5	40	629	<1	2.81
M649682		2.30	0.216	<0.2	0.11	13	<10	<10	<0.5	<2	0.68	<0.5	42	673	<1	3.87
M649683		2.74	0.460	<0.2	0.09	11	<10	<10	<0.5	<2	1.16	<0.5	38	566	<1	3.35
M649684		2.42	0.015	<0.2	0.09	5	<10	<10	<0.5	<2	0.51	<0.5	42	967	<1	3.80
M649685		2.42	0.105	<0.2	0.13	5	<10	<10	<0.5	<2	0.45	<0.5	41	764	<1	3.77
M649686		1.99	1.475	<0.2	0.13	2	<10	<10	<0.5	<2	0.38	<0.5	39	349	<1	3.69
M649687		1.91	0.943	<0.2	0.11	16	<10	<10	<0.5	<2	2.22	<0.5	42	297	<1	4.32
M649688		1.30	<0.005	<0.2	0.02	3	<10	10	<0.5	<2	19.4	<0.5	1	6	4	0.45
M649689		1.65	0.077	<0.2	0.08	21	<10	<10	<0.5	<2	1.99	<0.5	46	271	<1	3.93
M649690		2.15	0.077	<0.2	0.10	23	<10	<10	<0.5	<2	1.10	<0.5	46	426	<1	4.46
M649691		1.62	0.195	<0.2	0.14	58	<10	<10	<0.5	<2	0.68	<0.5	44	806	1	3.87
M649692		1.53	0.019	<0.2	0.11	50	<10	<10	<0.5	<2	0.61	<0.5	46	1020	1	3.90
M649693		2.69	0.392	<0.2	0.10	18	<10	<10	<0.5	<2	0.67	<0.5	46	481	1	4.00



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Page: 2 - B
Total # Pages: 3 (A - C)
Plus Appendix Pages
Finalized Date: 11- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174492

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649654		<10	<1	<0.01	<10	12.15	890	<1	0.01	366	10	<2	<0.01	<2	5	4
M649655		<10	<1	<0.01	<10	12.45	869	<1	0.01	343	10	<2	<0.01	<2	5	3
M649656		<10	<1	<0.01	<10	11.90	658	<1	0.01	404	<10	<2	<0.01	<2	5	8
M649657		<10	<1	<0.01	<10	11.85	612	<1	0.01	361	<10	<2	<0.01	<2	5	6
M649658		<10	<1	0.03	<10	13.05	222	<1	0.02	9	220	<2	0.07	<2	<1	44
M649659		<10	<1	<0.01	<10	12.55	761	<1	0.01	384	10	<2	<0.01	<2	6	15
M649660		<10	<1	<0.01	<10	12.70	630	<1	0.01	377	<10	<2	<0.01	<2	5	6
M649661		<10	<1	<0.01	<10	12.05	570	<1	0.01	403	<10	<2	<0.01	<2	5	9
M649662		<10	<1	<0.01	<10	12.75	812	<1	0.01	605	<10	<2	<0.01	<2	3	8
M649663		<10	<1	<0.01	<10	13.75	698	<1	0.01	420	<10	<2	<0.01	<2	3	3
M649664		<10	<1	<0.01	<10	13.15	659	<1	0.01	440	10	<2	<0.01	<2	3	3
M649665		<10	<1	<0.01	<10	12.55	608	<1	0.01	381	<10	2	<0.01	<2	3	25
M649666		<10	6	0.39	10	0.12	1070	4	0.03	5	1310	3100	0.39	23	4	138
M649667		<10	<1	<0.01	<10	12.65	599	<1	0.01	406	10	2	<0.01	<2	5	11
M649668		<10	<1	<0.01	<10	12.60	613	<1	0.01	502	<10	<2	0.01	<2	6	12
M649669		<10	<1	<0.01	<10	11.85	581	<1	0.01	447	<10	<2	<0.01	<2	5	15
M649670		<10	1	<0.01	<10	12.55	808	<1	0.01	464	<10	<2	<0.01	<2	5	25
M649671		<10	<1	<0.01	<10	12.30	701	<1	0.01	351	<10	<2	<0.01	<2	5	15
M649672		<10	<1	<0.01	<10	11.45	797	<1	0.01	392	<10	3	0.01	<2	6	18
M649673		<10	<1	<0.01	<10	11.10	779	<1	0.01	351	<10	<2	0.01	<2	6	12
M649674		<10	<1	<0.01	<10	10.65	584	<1	0.01	348	<10	<2	0.01	<2	6	7
M649675		<10	<1	<0.01	<10	10.50	542	<1	0.01	276	<10	<2	0.01	<2	5	11
M649676		<10	<1	0.07	50	0.07	301	7	0.25	36	950	32	1.50	24	1	97
M649677		<10	<1	<0.01	<10	11.20	768	<1	0.01	348	<10	2	0.01	<2	5	10
M649678		<10	<1	<0.01	<10	11.70	887	<1	0.01	359	<10	<2	0.01	<2	5	15
M649679		<10	<1	<0.01	<10	11.90	900	<1	0.01	328	<10	<2	0.01	<2	7	25
M649680		<10	<1	<0.01	<10	12.35	954	<1	0.01	371	<10	2	0.01	<2	5	19
M649681		<10	<1	<0.01	<10	14.05	1000	<1	<0.01	379	<10	<2	<0.01	<2	6	14
M649682		<10	<1	<0.01	<10	14.30	939	<1	0.01	369	<10	<2	0.01	<2	7	17
M649683		<10	<1	<0.01	<10	14.00	874	<1	0.01	319	<10	<2	<0.01	<2	7	30
M649684		<10	<1	<0.01	<10	13.00	853	<1	0.01	398	<10	2	0.01	<2	6	12
M649685		<10	<1	<0.01	<10	13.85	843	<1	0.01	365	<10	<2	0.01	<2	7	9
M649686		<10	<1	<0.01	<10	14.05	796	<1	0.01	318	<10	2	0.01	<2	7	8
M649687		<10	<1	<0.01	<10	15.65	948	<1	0.01	360	<10	3	0.01	<2	7	86
M649688		<10	<1	0.01	<10	12.00	210	<1	0.01	8	160	<2	0.02	<2	<1	42
M649689		<10	<1	<0.01	<10	15.80	944	<1	0.01	455	<10	2	0.01	<2	6	59
M649690		<10	<1	<0.01	<10	16.35	1095	<1	0.01	467	<10	2	0.01	<2	6	39
M649691		<10	<1	<0.01	<10	15.75	967	<1	0.01	441	<10	2	0.01	<2	7	14
M649692		<10	<1	<0.01	<10	15.10	994	<1	0.01	498	<10	<2	0.01	<2	7	15
M649693		<10	<1	<0.01	<10	16.35	953	<1	0.01	454	<10	2	0.01	<2	6	17



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Page: 2 - C
Total # Pages: 3 (A - C)
Plus Appendix Pages
Finalized Date: 11- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174492

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
M649654		<20	<0.01	<10	<10	10	<10	6
M649655		<20	<0.01	<10	<10	15	<10	5
M649656		<20	<0.01	<10	<10	19	<10	5
M649657		<20	<0.01	<10	<10	14	<10	4
M649658		<20	<0.01	<10	<10	1	<10	11
M649659		<20	<0.01	<10	<10	18	<10	5
M649660		<20	<0.01	<10	<10	12	<10	5
M649661		<20	<0.01	<10	<10	15	<10	6
M649662		<20	<0.01	<10	<10	4	<10	5
M649663		<20	<0.01	<10	<10	3	<10	3
M649664		<20	<0.01	<10	<10	7	<10	5
M649665		<20	<0.01	<10	<10	5	<10	5
M649666		<20	0.01	<10	<10	56	<10	2230
M649667		<20	<0.01	<10	<10	10	<10	7
M649668		<20	<0.01	<10	<10	16	<10	7
M649669		<20	<0.01	<10	<10	14	<10	5
M649670		<20	<0.01	<10	<10	16	<10	6
M649671		<20	<0.01	<10	<10	14	<10	7
M649672		<20	<0.01	<10	<10	17	<10	6
M649673		<20	<0.01	<10	<10	15	<10	6
M649674		<20	<0.01	<10	<10	15	<10	5
M649675		<20	<0.01	<10	<10	10	<10	5
M649676		<20	0.05	<10	<10	8	30	103
M649677		<20	<0.01	<10	<10	12	<10	7
M649678		<20	<0.01	<10	<10	12	<10	7
M649679		<20	<0.01	<10	<10	13	<10	6
M649680		<20	<0.01	<10	<10	12	<10	7
M649681		<20	<0.01	<10	<10	13	<10	8
M649682		<20	<0.01	<10	<10	18	<10	10
M649683		<20	<0.01	<10	<10	13	<10	9
M649684		<20	<0.01	<10	<10	23	<10	8
M649685		<20	<0.01	<10	<10	19	<10	9
M649686		<20	<0.01	<10	<10	9	<10	9
M649687		<20	<0.01	<10	<10	7	<10	11
M649688		<20	<0.01	<10	<10	1	<10	12
M649689		<20	<0.01	<10	<10	8	<10	8
M649690		<20	<0.01	<10	<10	11	<10	11
M649691		<20	<0.01	<10	<10	20	<10	10
M649692		<20	<0.01	<10	<10	24	<10	10
M649693		<20	<0.01	<10	<10	13	<10	13



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**Page: 3 - A
 Total # Pages: 3 (A - C)
 Plus Appendix Pages
 Finalized Date: 11- AUG- 2012
 Account: F**

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174492

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA24 Au ppm 0.005	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
M649694		2.27	0.170	<0.2	0.09	24	<10	<10	<0.5	<2	0.48	<0.5	48	706	2	3.75



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**Page: 3 - B
 Total # Pages: 3 (A - C)
 Plus Appendix Pages
 Finalized Date: 11- AUG- 2012
 Account: F**

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174492

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649694		<10	<1	<0.01	<10	15.90	1015	<1	0.01	501	<10	<2	0.01	<2	7	12



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**Page: 3 - C
 Total # Pages: 3 (A - C)
 Plus Appendix Pages
 Finalized Date: 11- AUG- 2012
 Account: F**

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174492

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
M649694		<20	<0.01	<10	<10	15	<10	10



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**Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 11- AUG- 2012
Account: F**

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174492

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non- sufficient sample.



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Page: 1
Finalized Date: 12- AUG- 2012
Account: F

CERTIFICATE WH12174491

Project: Vivi
P.O. No.: RCH- 12- 19
This report is for 41 RC Drill Chip samples submitted to our lab in Whitehorse, YT,
Canada on 25- JUL- 2012.

The following have access to data associated with this certificate:

DOUG BLANCHFLOWER

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
PUL- 31	Pulverize split to 85%<75 um
SPL- 22Y	Split Sample - Boyd Rotary Splitter
LOG- 24	Pulp Login - Rcd w/ o Barcode

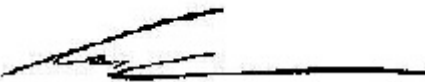
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Au- AA24	Au 50g FA AA finish	AAS

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
ATTN: JOAN MARIACHER
1016- 510 W HASTINGS ST
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 3 (A - C)
Finalized Date: 12- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174491

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
M649695		1.25	0.032	<0.2	0.14	31	<10	<10	<0.5	<2	0.24	<0.5	42	716	1	3.23
M649696		2.24	0.095	<0.2	0.13	37	<10	<10	<0.5	<2	0.47	<0.5	49	725	1	3.45
M649697		1.50	0.014	<0.2	0.12	21	<10	<10	<0.5	<2	0.52	<0.5	48	809	<1	3.26
M649698		1.16	0.068	<0.2	0.10	28	<10	<10	<0.5	<2	0.47	<0.5	41	544	<1	3.22
M649699		1.43	0.142	<0.2	0.14	33	<10	<10	<0.5	<2	0.37	<0.5	40	380	<1	2.91
M649700		1.76	0.089	<0.2	0.14	76	<10	<10	<0.5	<2	0.34	<0.5	44	332	3	3.27
M649701		1.90	0.007	<0.2	0.18	43	<10	<10	<0.5	<2	0.38	<0.5	45	643	3	3.02
M649702		1.37	0.012	<0.2	0.03	<2	<10	10	<0.5	<2	18.6	<0.5	2	10	<1	0.45
M649703		1.91	0.027	<0.2	0.19	72	<10	<10	<0.5	<2	0.58	<0.5	42	559	2	3.02
M649704		1.59	0.056	<0.2	0.17	36	<10	<10	<0.5	<2	0.80	<0.5	42	663	2	3.13
M649705		1.92	0.293	<0.2	0.18	50	<10	<10	<0.5	<2	0.76	<0.5	43	620	2	3.06
M649706		2.32	0.118	<0.2	0.13	31	<10	<10	<0.5	<2	0.62	<0.5	42	301	<1	3.38
M649707		1.70	0.171	<0.2	0.15	27	<10	<10	<0.5	<2	0.59	<0.5	42	405	<1	3.38
M649708		1.68	0.040	<0.2	0.14	64	<10	<10	<0.5	<2	1.15	<0.5	41	492	3	2.91
M649709		1.96	0.067	<0.2	0.11	25	<10	<10	<0.5	<2	0.69	<0.5	42	761	1	3.18
M649710		2.07	0.035	<0.2	0.08	13	<10	<10	<0.5	<2	0.57	<0.5	38	775	<1	3.09
M649711		1.79	0.022	<0.2	0.09	13	<10	<10	<0.5	<2	0.77	<0.5	39	745	<1	2.79
M649712		1.81	0.147	<0.2	0.08	13	<10	<10	<0.5	<2	0.42	<0.5	38	728	<1	3.03
M649713		0.09	0.806	7.1	1.41	8720	160	40	<0.5	211	5.44	1.0	71	21	3440	2.99
M649714		1.84	0.077	<0.2	0.12	15	<10	<10	<0.5	<2	1.08	<0.5	38	728	<1	3.14
M649715		2.17	0.153	<0.2	0.10	13	<10	<10	<0.5	<2	1.56	<0.5	33	554	<1	2.89
M649716		2.37	0.027	<0.2	0.08	10	<10	<10	<0.5	<2	0.39	<0.5	39	692	<1	2.68
M649717		1.92	0.018	<0.2	0.10	65	<10	<10	<0.5	<2	0.52	<0.5	38	763	<1	2.98
M649718		1.90	0.442	<0.2	0.09	25	<10	<10	<0.5	<2	1.07	<0.5	31	573	3	2.79
M649719		3.17	0.094	<0.2	0.09	8	<10	<10	<0.5	<2	0.38	<0.5	34	647	1	3.21
M649720		1.95	0.113	<0.2	0.13	7	<10	<10	<0.5	<2	0.45	<0.5	36	545	<1	3.41
M649721		1.64	<0.005	<0.2	0.03	<2	<10	<10	<0.5	<2	19.4	<0.5	<1	6	1	0.46
M649722		1.68	0.286	<0.2	0.13	7	<10	<10	<0.5	<2	0.38	<0.5	37	640	<1	3.57
M649723		2.23	0.674	<0.2	0.10	9	<10	<10	<0.5	<2	0.87	<0.5	33	627	<1	3.29
M649724		1.81	0.012	<0.2	0.09	6	<10	<10	<0.5	<2	0.31	<0.5	41	892	1	2.99
M649725		3.12	<0.005	<0.2	0.08	11	<10	<10	<0.5	<2	0.58	<0.5	38	797	<1	2.75
M649726		3.15	0.051	<0.2	0.13	13	<10	<10	<0.5	<2	0.88	<0.5	35	763	<1	3.09
M649727		3.19	0.031	<0.2	0.14	10	<10	<10	<0.5	<2	2.03	<0.5	33	764	<1	3.12
M649728		0.24	1.360	28.8	0.93	515	<10	530	<0.5	<2	0.28	30.9	5	13	131	5.59
M649729		2.43	0.011	<0.2	0.12	11	<10	<10	<0.5	<2	1.39	<0.5	33	721	<1	3.01
M649730		2.71	0.130	<0.2	0.20	20	<10	<10	<0.5	<2	0.66	<0.5	30	757	<1	2.98
M649731		3.46	0.068	<0.2	0.13	6	<10	<10	<0.5	<2	0.60	<0.5	35	854	1	2.94
M649732		1.54	0.438	<0.2	0.09	9	<10	<10	<0.5	<2	0.91	<0.5	37	688	1	3.59
M649733		1.74	0.197	<0.2	0.16	6	<10	<10	<0.5	<2	0.64	<0.5	45	842	<1	4.44
M649734		3.48	1.595	<0.2	0.10	12	<10	<10	<0.5	<2	0.37	<0.5	39	625	1	3.62



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Page: 2 - B
 Total # Pages: 3 (A - C)
 Finalized Date: 12- AUG- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174491

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649695		<10	<1	<0.01	<10	10.95	689	<1	<0.01	495	<10	<2	<0.01	<2	6	7
M649696		<10	<1	<0.01	<10	13.20	1035	<1	0.01	613	10	<2	<0.01	<2	7	13
M649697		<10	<1	<0.01	<10	11.75	863	<1	<0.01	630	<10	<2	<0.01	<2	6	17
M649698		<10	<1	<0.01	<10	11.40	864	<1	0.01	473	<10	<2	<0.01	<2	5	16
M649699		<10	<1	<0.01	<10	12.25	763	<1	0.01	506	<10	<2	<0.01	<2	5	16
M649700		<10	<1	<0.01	<10	12.70	823	<1	0.01	629	<10	<2	<0.01	<2	6	10
M649701		<10	<1	<0.01	<10	11.60	751	<1	<0.01	635	<10	<2	<0.01	<2	6	14
M649702		<10	<1	0.01	<10	12.25	208	<1	0.02	12	180	<2	<0.01	<2	<1	46
M649703		<10	<1	<0.01	<10	11.45	752	<1	<0.01	605	<10	<2	<0.01	<2	6	18
M649704		<10	<1	<0.01	<10	11.65	755	<1	0.01	544	<10	<2	<0.01	<2	6	25
M649705		<10	<1	<0.01	<10	11.70	747	<1	0.01	552	<10	<2	<0.01	<2	6	22
M649706		<10	<1	<0.01	<10	13.05	686	<1	0.01	499	<10	<2	<0.01	<2	6	17
M649707		<10	<1	<0.01	<10	12.85	684	<1	0.01	476	<10	<2	<0.01	<2	6	17
M649708		<10	<1	<0.01	<10	11.50	684	<1	0.01	484	<10	<2	<0.01	<2	6	30
M649709		<10	<1	<0.01	<10	13.05	841	<1	<0.01	490	<10	<2	<0.01	<2	6	20
M649710		<10	<1	<0.01	<10	11.95	722	<1	0.01	420	<10	<2	<0.01	<2	6	15
M649711		<10	<1	<0.01	<10	12.40	805	<1	0.01	468	<10	<2	<0.01	<2	6	21
M649712		<10	<1	<0.01	<10	12.75	780	<1	0.01	427	<10	<2	<0.01	<2	5	11
M649713		<10	<1	0.09	50	0.08	294	8	0.24	37	940	31	1.38	23	1	98
M649714		<10	<1	<0.01	<10	12.65	791	<1	0.01	468	<10	<2	<0.01	<2	6	30
M649715		<10	<1	<0.01	<10	12.35	777	<1	0.01	390	<10	<2	<0.01	<2	6	39
M649716		<10	<1	<0.01	<10	12.10	805	<1	<0.01	452	<10	<2	<0.01	2	5	9
M649717		<10	<1	<0.01	<10	11.80	675	<1	<0.01	457	<10	<2	<0.01	<2	5	13
M649718		<10	<1	<0.01	<10	12.30	701	<1	0.01	378	<10	3	<0.01	<2	4	23
M649719		<10	<1	<0.01	<10	12.05	745	<1	0.01	311	<10	<2	<0.01	<2	6	7
M649720		<10	<1	<0.01	<10	12.90	700	<1	0.01	382	<10	<2	<0.01	<2	6	9
M649721		<10	<1	0.02	<10	12.50	207	<1	0.02	5	170	<2	0.06	<2	<1	46
M649722		<10	<1	<0.01	<10	13.55	736	<1	0.01	381	<10	<2	<0.01	<2	6	7
M649723		<10	<1	<0.01	<10	12.10	712	<1	0.01	313	<10	<2	<0.01	<2	5	16
M649724		<10	<1	<0.01	<10	12.05	803	<1	0.01	496	<10	<2	<0.01	<2	5	7
M649725		<10	<1	<0.01	<10	11.75	694	<1	0.01	414	10	<2	<0.01	<2	5	13
M649726		<10	<1	<0.01	<10	11.95	712	<1	0.01	455	<10	<2	<0.01	<2	5	21
M649727		<10	<1	<0.01	<10	11.80	968	<1	0.01	466	10	<2	<0.01	<2	5	50
M649728		<10	6	0.38	10	0.11	1040	4	0.03	5	1250	2900	0.38	22	4	130
M649729		<10	<1	<0.01	<10	12.20	831	<1	0.01	404	10	2	<0.01	<2	5	32
M649730		<10	<1	<0.01	<10	10.90	582	<1	0.01	331	<10	2	<0.01	<2	5	15
M649731		<10	<1	<0.01	<10	12.05	749	<1	0.01	401	<10	<2	<0.01	<2	5	12
M649732		<10	<1	<0.01	<10	13.95	767	<1	0.01	321	<10	<2	<0.01	<2	5	21
M649733		<10	<1	<0.01	<10	16.55	727	<1	0.01	477	<10	<2	<0.01	<2	7	12
M649734		<10	<1	<0.01	<10	15.25	861	<1	0.01	343	<10	<2	<0.01	<2	6	7



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Page: 2 - C
 Total # Pages: 3 (A - C)
 Finalized Date: 12- AUG- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12174491

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
M649695		<20	<0.01	<10	<10	19	<10	8
M649696		<20	<0.01	<10	<10	18	<10	10
M649697		<20	<0.01	<10	<10	20	<10	9
M649698		<20	<0.01	<10	<10	14	<10	9
M649699		<20	<0.01	<10	<10	7	<10	11
M649700		<20	<0.01	<10	<10	9	<10	19
M649701		<20	<0.01	<10	<10	14	<10	12
M649702		<20	<0.01	<10	<10	2	<10	11
M649703		<20	<0.01	<10	<10	13	<10	10
M649704		<20	<0.01	<10	<10	18	<10	9
M649705		<20	<0.01	<10	<10	15	<10	10
M649706		<20	<0.01	<10	<10	7	<10	10
M649707		<20	<0.01	<10	<10	10	<10	11
M649708		<20	<0.01	<10	<10	13	<10	8
M649709		<20	<0.01	<10	<10	16	<10	8
M649710		<20	<0.01	<10	<10	17	<10	7
M649711		<20	<0.01	<10	<10	13	<10	6
M649712		<20	<0.01	<10	<10	14	<10	7
M649713		<20	0.04	<10	<10	8	30	102
M649714		<20	<0.01	<10	<10	16	<10	9
M649715		<20	<0.01	<10	<10	14	<10	7
M649716		<20	<0.01	<10	<10	11	<10	6
M649717		<20	<0.01	<10	<10	16	<10	5
M649718		<20	<0.01	<10	<10	14	<10	7
M649719		<20	<0.01	<10	<10	17	<10	8
M649720		<20	<0.01	<10	<10	15	<10	9
M649721		<20	<0.01	<10	<10	1	<10	11
M649722		<20	<0.01	<10	<10	13	<10	9
M649723		<20	<0.01	<10	<10	14	<10	7
M649724		<20	<0.01	<10	<10	14	<10	7
M649725		<20	<0.01	<10	<10	12	<10	6
M649726		<20	<0.01	<10	<10	18	<10	6
M649727		<20	<0.01	<10	<10	20	<10	6
M649728		<20	0.01	<10	<10	53	<10	2120
M649729		<20	<0.01	<10	<10	16	<10	7
M649730		<20	<0.01	<10	<10	16	<10	9
M649731		<20	<0.01	<10	<10	14	<10	7
M649732		<20	<0.01	<10	<10	16	<10	8
M649733		<20	<0.01	<10	<10	22	<10	11
M649734		<20	<0.01	<10	<10	16	<10	7



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**Page: 3 - A
 Total # Pages: 3 (A - C)
 Finalized Date: 12- AUG- 2012
 Account: F**

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CERTIFICATE OF ANALYSIS WH12174491

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA24 Au ppm 0.005	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
M649735		3.32	0.070	<0.2	0.39	23	<10	10	<0.5	<2	0.62	<0.5	40	730	3	3.77



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Total # Pages: 3 (A - C)
Finalized Date: 12- AUG- 2012
Account: F

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CERTIFICATE OF ANALYSIS WH12174491

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm 10	ppm 1	% 0.01	ppm 10	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	ppm 2	ppm 1	ppm 1
M649735		<10	<1	0.04	<10	14.25	751	<1	0.03	425	110	<2	0.01	<2	5	19



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**Page: 3 - C
 Total # Pages: 3 (A - C)
 Finalized Date: 12- AUG- 2012
 Account: F**

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CERTIFICATE OF ANALYSIS WH12174491

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
M649735		<20	0.03	<10	<10	23	<10	14



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Page: 1
Finalized Date: 3- AUG- 2012
Account: F

CERTIFICATE WH12167663

Project: Vivi

P.O. No.: RCH- 12- 04

This report is for 5 RC Drill Chip samples submitted to our lab in Whitehorse, YT, Canada on 18- JUL- 2012.

The following have access to data associated with this certificate:

DOUG BLANCHFLOWER

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
PUL- QC	Pulverizing QC Test
SPL- 22Y	Split Sample - Boyd Rotary Splitter
CRU- 31	Fine crushing - 70%< 2mm
PUL- 31	Pulverize split to 85%< 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Au- AA24	Au 50g FA AA finish	AAS

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
ATTN: JOAN MARIACHER
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8**

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Total # Pages: 2 (A - C)

Page: 2 - A

CERTIFICATE OF ANALYSIS WH12167663

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CERTIFICATE OF ANALYSIS WH12167663

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
M649121		<20	<0.01	<10	<10	13	<10	6
M649122		<20	<0.01	<10	<10	14	<10	6
M649123		<20	<0.01	<10	<10	14	<10	6
M649124		<20	<0.01	<10	<10	12	<10	5
M649125		<20	<0.01	<10	<10	20	<10	8



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Page: 1
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CERTIFICATE WH12167662

Project: Vivi

P.O. No.: RCH- 12- 03

This report is for 41 RC Drill Chip samples submitted to our lab in Whitehorse, YT, Canada on 18- JUL- 2012.

The following have access to data associated with this certificate:

DOUG BLANCHFLOWER

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

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

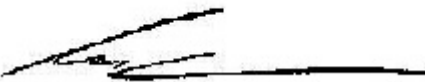
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Au- AA24	Au 50g FA AA finish	AAS

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 3 (A - C)
Finalized Date: 2- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12167662

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
M649080		3.01	0.013	<0.2	0.13	43	<10	10	<0.5	<2	0.09	<0.5	49	259	10	3.66
M649081		1.22	0.129	<0.2	0.09	36	<10	10	<0.5	<2	0.10	<0.5	40	246	1	3.19
M649082		1.75	0.248	<0.2	0.09	70	<10	<10	<0.5	<2	0.09	<0.5	44	311	5	3.01
M649083		2.25	<0.005	<0.2	0.02	<2	<10	10	<0.5	<2	20.1	<0.5	1	2	<1	0.45
M649084		1.69	0.117	<0.2	0.12	117	<10	<10	<0.5	<2	0.15	<0.5	46	412	13	3.13
M649085		1.81	0.076	<0.2	0.10	93	<10	<10	<0.5	<2	0.14	<0.5	45	359	1	3.25
M649086		1.54	0.216	<0.2	0.13	67	<10	<10	<0.5	<2	0.08	<0.5	48	537	1	3.27
M649087		1.77	0.200	<0.2	0.14	91	<10	10	<0.5	<2	0.08	<0.5	42	429	<1	3.14
M649088		1.11	0.059	<0.2	0.16	62	<10	10	<0.5	<2	0.08	<0.5	46	457	2	3.60
M649089		1.04	0.195	<0.2	0.16	35	<10	10	<0.5	<2	0.24	<0.5	44	387	3	3.11
M649090		1.23	0.180	<0.2	0.13	17	<10	<10	<0.5	<2	0.19	<0.5	41	353	<1	3.18
M649091		1.06	0.064	<0.2	0.14	10	<10	<10	<0.5	<2	0.08	<0.5	43	357	1	3.00
M649092		1.41	0.017	<0.2	0.14	8	<10	<10	<0.5	<2	0.10	<0.5	38	301	2	2.71
M649093		1.49	0.145	<0.2	0.24	6	<10	<10	0.5	<2	0.11	<0.5	39	474	4	3.16
M649094		0.04	0.826	7.8	1.41	8990	190	30	<0.5	218	5.93	1.0	73	22	3400	3.13
M649095		1.19	0.586	<0.2	0.19	9	<10	<10	<0.5	<2	0.10	<0.5	41	451	15	2.96
M649096		1.73	0.026	<0.2	0.14	6	<10	<10	<0.5	<2	0.11	<0.5	36	291	6	2.58
M649097		2.23	0.057	<0.2	0.17	4	<10	<10	<0.5	<2	0.20	<0.5	37	501	12	2.96
M649098		1.97	0.022	<0.2	0.12	4	<10	<10	<0.5	<2	0.49	<0.5	37	681	2	3.32
M649099		2.17	0.027	<0.2	0.09	3	<10	<10	<0.5	<2	0.90	<0.5	36	599	1	3.02
M649100		1.98	0.107	<0.2	0.09	6	<10	<10	<0.5	<2	0.91	<0.5	37	487	4	3.32
M649101		2.10	0.086	<0.2	0.10	4	<10	<10	<0.5	<2	0.16	<0.5	34	767	2	3.55
M649102		1.88	0.044	<0.2	0.09	10	<10	<10	<0.5	<2	0.17	<0.5	35	812	<1	3.55
M649103		1.76	0.145	<0.2	0.12	16	<10	<10	<0.5	<2	0.16	<0.5	36	528	2	3.78
M649104		1.66	0.154	<0.2	0.12	9	<10	<10	<0.5	<2	0.27	<0.5	33	419	2	2.81
M649105		2.94	0.063	<0.2	0.10	5	<10	<10	<0.5	<2	0.15	<0.5	32	423	2	2.52
M649106		3.01	0.059	<0.2	0.18	8	<10	<10	<0.5	<2	0.19	<0.5	34	389	2	3.44
M649107		0.19	1.380	30.7	0.79	465	<10	420	<0.5	2	0.25	28.4	4	11	120	5.10
M649108		2.96	0.029	<0.2	0.15	4	<10	<10	<0.5	<2	0.11	<0.5	31	301	1	3.29
M649109		3.48	0.153	<0.2	0.18	9	<10	<10	<0.5	<2	0.17	<0.5	38	403	1	3.49
M649110		4.02	0.127	<0.2	0.20	4	<10	<10	<0.5	<2	0.30	<0.5	34	576	1	3.29
M649111		2.82	0.056	<0.2	0.17	2	<10	<10	<0.5	<2	0.54	<0.5	34	555	1	3.39
M649112		2.27	0.043	<0.2	0.19	5	<10	<10	<0.5	<2	0.41	<0.5	39	375	1	4.05
M649113		3.23	0.425	<0.2	0.23	8	<10	<10	<0.5	<2	1.50	<0.5	34	779	1	3.40
M649114		3.23	0.035	<0.2	0.19	4	<10	<10	<0.5	<2	1.17	<0.5	30	748	<1	2.87
M649115		2.33	<0.005	<0.2	0.03	3	<10	<10	<0.5	<2	18.2	<0.5	1	14	1	0.51
M649116		2.87	0.012	<0.2	0.19	2	<10	<10	<0.5	<2	1.29	<0.5	28	686	<1	2.75
M649117		2.23	0.070	<0.2	0.16	2	<10	<10	<0.5	<2	1.02	<0.5	31	747	1	3.38
M649118		2.63	0.005	<0.2	0.11	2	<10	<10	<0.5	<2	0.71	<0.5	30	629	<1	2.52
M649119		2.81	0.007	<0.2	0.10	2	<10	<10	<0.5	<2	0.44	<0.5	33	687	<1	2.79



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Page: 2 - B
 Total # Pages: 3 (A - C)
 Finalized Date: 2- AUG- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12167662

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649080		<10	<1	<0.01	<10	12.35	673	<1	<0.01	764	10	<2	<0.01	<2	6	1
M649081		<10	<1	<0.01	<10	11.95	695	<1	<0.01	583	<10	<2	<0.01	<2	5	1
M649082		<10	<1	<0.01	<10	11.90	660	<1	<0.01	699	<10	<2	<0.01	<2	5	1
M649083		<10	<1	0.01	<10	12.70	216	<1	0.01	3	180	<2	0.01	<2	<1	49
M649084		<10	<1	<0.01	<10	11.95	645	<1	<0.01	741	<10	<2	<0.01	<2	5	<1
M649085		<10	<1	<0.01	<10	13.40	825	<1	<0.01	595	<10	<2	<0.01	<2	5	<1
M649086		<10	<1	<0.01	<10	12.35	676	<1	<0.01	707	10	<2	<0.01	<2	5	1
M649087		<10	<1	<0.01	<10	11.35	623	<1	<0.01	631	10	<2	<0.01	<2	6	1
M649088		<10	<1	<0.01	<10	12.05	666	<1	<0.01	804	<10	<2	<0.01	<2	7	<1
M649089		<10	<1	<0.01	<10	11.60	659	<1	<0.01	709	<10	<2	<0.01	<2	6	4
M649090		<10	<1	<0.01	<10	11.55	717	<1	<0.01	579	<10	<2	<0.01	<2	6	3
M649091		<10	<1	<0.01	<10	11.50	658	<1	<0.01	565	<10	<2	<0.01	<2	5	2
M649092		<10	<1	<0.01	<10	11.80	686	<1	<0.01	435	<10	<2	<0.01	<2	6	1
M649093		<10	<1	<0.01	<10	11.75	758	<1	<0.01	497	<10	<2	<0.01	<2	9	1
M649094		<10	<1	0.07	50	0.08	306	9	0.23	34	970	32	1.51	25	1	97
M649095		<10	<1	<0.01	<10	11.60	598	<1	<0.01	508	<10	<2	<0.01	<2	6	1
M649096		<10	<1	<0.01	<10	12.20	647	<1	<0.01	392	<10	<2	<0.01	<2	5	2
M649097		<10	<1	<0.01	<10	12.10	584	<1	<0.01	380	<10	<2	<0.01	<2	5	4
M649098		<10	<1	<0.01	<10	11.00	597	<1	<0.01	386	<10	<2	<0.01	<2	5	8
M649099		<10	<1	<0.01	<10	12.00	802	<1	<0.01	371	<10	<2	<0.01	<2	4	16
M649100		<10	<1	<0.01	<10	12.05	861	<1	<0.01	392	<10	2	<0.01	<2	4	17
M649101		<10	<1	<0.01	<10	11.55	768	<1	<0.01	369	<10	<2	<0.01	<2	4	3
M649102		<10	<1	<0.01	<10	11.30	845	<1	<0.01	396	<10	<2	<0.01	<2	4	3
M649103		<10	<1	<0.01	<10	10.95	729	<1	<0.01	397	10	<2	<0.01	<2	4	3
M649104		<10	<1	<0.01	<10	10.30	744	<1	<0.01	349	<10	<2	<0.01	<2	4	5
M649105		<10	<1	<0.01	<10	10.40	574	<1	<0.01	315	<10	<2	<0.01	<2	4	3
M649106		<10	<1	<0.01	<10	11.40	740	<1	<0.01	348	<10	<2	<0.01	<2	5	4
M649107		<10	5	0.32	10	0.09	973	4	0.01	4	1090	2350	0.33	19	4	111
M649108		<10	<1	<0.01	<10	10.65	722	<1	<0.01	294	<10	<2	<0.01	<2	5	2
M649109		<10	<1	<0.01	<10	12.90	750	<1	<0.01	386	<10	<2	<0.01	<2	6	3
M649110		<10	<1	<0.01	<10	11.25	683	<1	<0.01	348	<10	<2	<0.01	<2	6	5
M649111		<10	<1	<0.01	<10	10.50	827	<1	<0.01	374	<10	<2	<0.01	<2	5	9
M649112		<10	<1	<0.01	<10	11.35	668	<1	<0.01	471	<10	<2	<0.01	<2	4	7
M649113		<10	<1	<0.01	<10	10.90	705	<1	<0.01	388	<10	<2	<0.01	<2	5	30
M649114		<10	<1	<0.01	<10	9.13	706	<1	<0.01	357	<10	<2	<0.01	<2	5	25
M649115		<10	<1	0.02	<10	11.15	209	<1	<0.01	8	150	<2	0.01	<2	<1	43
M649116		<10	<1	<0.01	<10	9.20	737	<1	<0.01	307	<10	<2	<0.01	<2	5	28
M649117		<10	<1	<0.01	<10	9.72	654	<1	<0.01	337	<10	<2	<0.01	<2	5	21
M649118		<10	<1	<0.01	<10	9.48	727	<1	<0.01	315	<10	<2	<0.01	<2	5	15
M649119		<10	<1	<0.01	<10	10.45	726	<1	<0.01	352	<10	<2	<0.01	<2	5	9



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Page: 2 - C
 Total # Pages: 3 (A - C)
 Finalized Date: 2- AUG- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12167662

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
M649080		<20	<0.01	<10	<10	7	<10	6
M649081		<20	<0.01	<10	<10	5	<10	4
M649082		<20	<0.01	<10	<10	7	<10	4
M649083		<20	<0.01	<10	<10	1	<10	13
M649084		<20	<0.01	<10	<10	9	<10	5
M649085		<20	<0.01	<10	<10	10	<10	5
M649086		<20	<0.01	<10	<10	15	<10	6
M649087		<20	<0.01	<10	<10	12	<10	6
M649088		<20	<0.01	<10	<10	12	<10	9
M649089		<20	<0.01	<10	<10	8	<10	9
M649090		<20	<0.01	<10	<10	9	<10	8
M649091		<20	<0.01	<10	<10	8	<10	9
M649092		<20	<0.01	<10	<10	7	<10	7
M649093		<20	<0.01	<10	<10	17	<10	7
M649094		<20	0.05	<10	<10	8	30	103
M649095		<20	<0.01	<10	<10	14	<10	8
M649096		<20	<0.01	<10	<10	9	<10	6
M649097		<20	<0.01	<10	<10	14	<10	5
M649098		<20	<0.01	<10	<10	23	<10	6
M649099		<20	<0.01	<10	<10	16	<10	6
M649100		<20	<0.01	<10	<10	15	<10	10
M649101		<20	<0.01	<10	<10	22	<10	9
M649102		<20	<0.01	<10	<10	22	<10	9
M649103		<20	<0.01	<10	<10	20	<10	9
M649104		<20	<0.01	<10	<10	12	<10	9
M649105		<20	<0.01	<10	<10	10	<10	8
M649106		<20	<0.01	<10	<10	7	<10	9
M649107		<20	<0.01	<10	<10	47	<10	1890
M649108		<20	<0.01	<10	<10	6	<10	8
M649109		<20	<0.01	<10	<10	8	<10	10
M649110		<20	<0.01	<10	<10	14	<10	11
M649111		<20	<0.01	<10	<10	20	<10	8
M649112		<20	<0.01	<10	<10	24	<10	9
M649113		<20	<0.01	<10	<10	20	<10	10
M649114		<20	<0.01	<10	<10	18	<10	7
M649115		<20	<0.01	<10	<10	2	<10	11
M649116		<20	<0.01	<10	<10	15	<10	7
M649117		<20	<0.01	<10	<10	19	<10	8
M649118		<20	<0.01	<10	<10	10	<10	7
M649119		<20	<0.01	<10	<10	12	<10	6



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**Page: 3 - A
 Total # Pages: 3 (A - C)
 Finalized Date: 2- AUG- 2012
 Account: F**

Project: Vivi

CERTIFICATE OF ANALYSIS WH12167662

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA24 Au ppm 0.005	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
M649120		2.78	0.051	<0.2	0.10	2	<10	<10	<0.5	<2	0.50	<0.5	31	626	1	3.04



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**Page: 3 - B
 Total # Pages: 3 (A - C)
 Finalized Date: 2- AUG- 2012
 Account: F**

Project: Vivi

CERTIFICATE OF ANALYSIS WH12167662

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649120		<10	<1	<0.01	<10	10.20	595	<1	<0.01	320	<10	<2	<0.01	<2	5	10



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**Page: 3 - C
 Total # Pages: 3 (A - C)
 Finalized Date: 2- AUG- 2012
 Account: F**

Project: Vivi

CERTIFICATE OF ANALYSIS WH12167662

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
M649120		<20	<0.01	<10	<10	17	<10	6



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Page: 1
Finalized Date: 7- AUG- 2012
Account: F

CERTIFICATE WH12167661

Project: Vivi
P.O. No.: RCH- 12- 02
This report is for 40 RC Drill Chip samples submitted to our lab in Whitehorse, YT,
Canada on 18- JUL- 2012.

The following have access to data associated with this certificate:

DOUG BLANCHFLOWER

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

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

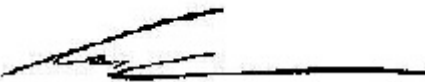
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Au- AA24	Au 50g FA AA finish	AAS

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
1016- 510 W HASTINGS ST
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - C)
Finalized Date: 7- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12167661

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
M649040		1.53	<0.005	<0.2	0.03	20	<10	<10	<0.5	<2	0.26	<0.5	37	197	2	3.00
M649041		2.06	0.011	<0.2	0.04	19	10	<10	<0.5	<2	0.39	<0.5	36	281	4	3.02
M649042		1.69	0.005	<0.2	0.02	46	10	<10	<0.5	<2	0.22	<0.5	33	302	2	2.77
M649043		2.17	0.006	<0.2	0.02	5	20	<10	<0.5	<2	0.23	<0.5	34	361	<1	3.01
M649044		1.91	0.060	<0.2	0.02	17	10	<10	<0.5	<2	0.42	<0.5	36	509	5	3.25
M649045		2.56	0.034	<0.2	0.02	13	20	<10	<0.5	<2	0.13	<0.5	35	520	2	3.08
M649046		2.10	0.110	<0.2	0.03	9	10	<10	<0.5	<2	0.08	<0.5	32	357	1	2.85
M649047		0.04	0.818	7.3	1.37	8740	170	30	<0.5	197	5.19	0.9	70	21	3340	3.02
M649048		2.09	0.792	<0.2	0.03	20	10	<10	<0.5	<2	0.12	<0.5	32	461	3	2.91
M649049		1.40	0.013	<0.2	0.05	10	20	<10	<0.5	<2	0.09	<0.5	39	879	1	2.96
M649050		1.92	0.015	<0.2	0.03	9	40	<10	<0.5	<2	0.11	<0.5	35	613	1	2.39
M649051		1.78	0.031	<0.2	0.05	5	50	<10	<0.5	<2	0.46	<0.5	35	588	1	2.26
M649052		1.62	0.069	<0.2	0.08	31	10	<10	<0.5	<2	0.42	<0.5	42	829	1	3.37
M649053		1.82	0.708	<0.2	0.11	71	<10	<10	<0.5	<2	0.98	<0.5	39	330	1	3.43
M649054		1.80	<0.005	<0.2	0.06	<2	<10	20	<0.5	<2	17.8	<0.5	4	8	3	0.47
M649055		2.19	0.592	<0.2	0.08	17	<10	<10	<0.5	<2	0.45	<0.5	41	222	<1	3.26
M649056		2.19	0.224	<0.2	0.08	7	<10	<10	<0.5	<2	0.38	<0.5	36	213	<1	3.32
M649057		2.44	0.320	<0.2	0.08	20	<10	<10	<0.5	2	0.19	<0.5	37	256	1	3.80
M649058		1.56	0.249	<0.2	0.09	8	<10	<10	<0.5	<2	0.16	<0.5	40	233	<1	3.44
M649059		1.95	0.255	<0.2	0.11	37	<10	<10	<0.5	<2	0.27	<0.5	38	320	1	3.45
M649060		1.54	0.248	<0.2	0.13	46	<10	<10	<0.5	<2	0.15	<0.5	36	345	5	3.28
M649061		1.78	0.242	<0.2	0.12	10	<10	<10	<0.5	<2	0.10	<0.5	33	406	3	3.08
M649062		2.14	<0.005	<0.2	0.02	<2	<10	20	<0.5	<2	17.2	<0.5	<1	3	1	0.42
M649063		1.35	0.128	<0.2	0.11	9	<10	<10	<0.5	<2	0.25	<0.5	33	553	2	2.91
M649064		2.23	0.061	<0.2	0.09	14	<10	<10	<0.5	<2	0.12	<0.5	36	610	1	3.08
M649065		2.15	0.211	<0.2	0.12	17	<10	<10	<0.5	<2	0.16	<0.5	35	533	1	3.18
M649066		1.50	0.253	<0.2	0.12	5	<10	<10	<0.5	<2	0.12	<0.5	37	634	1	3.25
M649067		1.95	0.068	<0.2	0.12	7	<10	<10	<0.5	<2	0.08	<0.5	34	519	1	3.22
M649068		3.13	0.045	<0.2	0.10	21	<10	<10	<0.5	<2	0.46	<0.5	31	641	2	2.76
M649069		4.46	0.044	<0.2	0.07	25	50	<10	<0.5	<2	0.98	<0.5	38	599	1	2.81
M649070		2.65	0.009	<0.2	0.08	23	10	<10	<0.5	<2	0.57	<0.5	37	632	1	3.26
M649071		0.19	1.355	29.1	0.94	543	<10	500	<0.5	2	0.27	31.2	5	13	142	5.56
M649072		1.03	0.014	<0.2	0.09	4	<10	<10	<0.5	<2	0.10	<0.5	39	780	1	3.45
M649073		2.83	0.009	<0.2	0.09	7	<10	<10	<0.5	<2	0.08	<0.5	42	970	<1	3.89
M649074		3.55	0.009	<0.2	0.11	8	<10	<10	<0.5	<2	0.08	<0.5	36	699	1	2.88
M649075		0.98	0.011	<0.2	0.08	5	<10	<10	<0.5	<2	0.10	<0.5	35	618	1	3.09
M649076		1.13	0.009	<0.2	0.08	11	20	<10	<0.5	<2	0.42	<0.5	40	671	4	2.93
M649077		2.84	0.007	<0.2	0.06	17	60	<10	<0.5	<2	0.34	<0.5	43	745	1	3.04
M649078		2.55	<0.005	<0.2	0.08	20	30	<10	<0.5	<2	0.36	<0.5	46	660	2	2.64
M649079		1.53	0.118	<0.2	0.08	22	10	<10	<0.5	<2	0.50	<0.5	46	512	2	3.00



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Page: 2 - B
 Total # Pages: 2 (A - C)
 Finalized Date: 7- AUG- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12167661

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649040		<10	1	<0.01	<10	11.65	605	1	0.03	356	<10	<2	0.03	<2	2	6
M649041		<10	<1	<0.01	<10	13.05	695	1	0.03	382	<10	<2	0.03	<2	2	9
M649042		<10	<1	<0.01	<10	12.40	590	1	0.03	370	<10	<2	0.03	<2	2	5
M649043		<10	<1	<0.01	<10	12.85	665	1	0.03	352	<10	<2	0.03	<2	2	5
M649044		<10	<1	<0.01	<10	12.90	618	1	0.03	365	<10	<2	0.03	<2	3	10
M649045		<10	<1	<0.01	<10	12.80	657	1	0.03	321	<10	<2	0.03	<2	3	3
M649046		<10	1	<0.01	<10	11.40	496	1	0.03	259	<10	<2	0.03	<2	4	2
M649047		10	<1	0.08	50	0.10	286	9	0.24	34	930	29	1.39	25	1	92
M649048		<10	<1	<0.01	<10	11.55	507	1	0.03	288	<10	<2	0.03	<2	4	2
M649049		<10	1	<0.01	<10	13.15	627	1	0.03	499	10	<2	0.03	<2	5	2
M649050		<10	1	<0.01	<10	13.05	667	1	0.03	395	<10	<2	0.03	<2	3	2
M649051		<10	<1	<0.01	<10	13.55	761	1	0.03	417	<10	<2	0.03	<2	2	11
M649052		<10	<1	<0.01	<10	12.85	665	1	0.04	484	<10	<2	0.04	<2	5	8
M649053		<10	1	<0.01	<10	11.80	632	1	0.03	491	<10	<2	0.03	<2	4	18
M649054		<10	<1	0.03	<10	12.05	208	1	0.04	10	260	<2	0.06	<2	<1	44
M649055		<10	<1	<0.01	<10	12.75	700	1	0.03	484	<10	<2	0.03	<2	5	10
M649056		<10	1	<0.01	<10	11.75	642	1	0.03	364	<10	<2	0.03	<2	5	8
M649057		<10	<1	<0.01	<10	11.75	650	1	0.03	341	<10	<2	0.03	<2	5	4
M649058		<10	<1	<0.01	<10	12.60	739	1	0.03	353	<10	<2	0.03	<2	6	3
M649059		<10	<1	<0.01	<10	11.85	634	1	0.03	402	<10	<2	0.03	<2	5	5
M649060		<10	<1	<0.01	<10	11.25	575	<1	<0.01	377	<10	3	<0.01	<2	5	2
M649061		<10	<1	<0.01	<10	10.75	591	<1	<0.01	303	<10	<2	<0.01	<2	5	1
M649062		<10	<1	0.01	<10	11.10	196	<1	0.01	5	180	<2	0.02	<2	<1	46
M649063		<10	<1	<0.01	<10	11.15	736	<1	<0.01	324	<10	<2	<0.01	<2	5	1
M649064		<10	<1	<0.01	<10	10.85	717	<1	<0.01	357	<10	<2	<0.01	<2	5	1
M649065		<10	<1	<0.01	<10	10.95	615	<1	<0.01	356	<10	<2	<0.01	<2	5	1
M649066		<10	<1	<0.01	<10	11.50	640	<1	<0.01	358	<10	<2	<0.01	<2	5	1
M649067		<10	<1	<0.01	<10	11.05	654	<1	<0.01	317	<10	<2	<0.01	<2	5	1
M649068		<10	<1	<0.01	<10	11.05	623	<1	<0.01	343	<10	<2	<0.01	<2	4	7
M649069		<10	<1	<0.01	<10	12.25	940	<1	<0.01	408	<10	<2	<0.01	<2	3	15
M649070		<10	<1	<0.01	<10	11.20	863	<1	<0.01	427	<10	<2	<0.01	<2	5	9
M649071		<10	5	0.38	10	0.12	1055	5	0.02	6	1260	2770	0.37	18	4	129
M649072		<10	1	<0.01	<10	11.15	760	<1	<0.01	399	<10	2	<0.01	<2	5	1
M649073		<10	<1	<0.01	<10	11.20	653	<1	0.01	442	<10	<2	<0.01	<2	5	1
M649074		<10	<1	<0.01	<10	11.80	694	<1	0.01	349	<10	<2	<0.01	<2	5	<1
M649075		<10	<1	<0.01	<10	10.95	556	<1	<0.01	353	<10	<2	<0.01	<2	4	1
M649076		<10	<1	<0.01	<10	11.75	708	<1	0.01	491	10	<2	<0.01	<2	3	7
M649077		<10	<1	<0.01	<10	13.45	955	<1	<0.01	476	10	<2	<0.01	<2	3	4
M649078		<10	<1	<0.01	<10	13.50	1115	<1	0.01	602	<10	<2	<0.01	<2	2	5
M649079		<10	<1	<0.01	<10	12.80	820	<1	0.01	718	<10	<2	<0.01	<2	2	8



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Page: 2 - C
 Total # Pages: 2 (A - C)
 Finalized Date: 7- AUG- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12167661

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
M649040		<20	<0.01	<10	<10	5	<10	4
M649041		<20	<0.01	<10	<10	10	<10	4
M649042		<20	<0.01	<10	<10	9	<10	4
M649043		<20	<0.01	<10	<10	9	<10	5
M649044		<20	<0.01	<10	<10	11	<10	5
M649045		<20	<0.01	<10	<10	9	<10	5
M649046		<20	<0.01	<10	<10	5	<10	5
M649047		<20	0.04	<10	<10	8	30	98
M649048		<20	<0.01	<10	<10	6	<10	5
M649049		<20	<0.01	<10	<10	10	<10	5
M649050		<20	<0.01	<10	<10	7	<10	4
M649051		<20	<0.01	<10	<10	8	<10	4
M649052		<20	<0.01	<10	<10	14	<10	6
M649053		<20	<0.01	<10	<10	8	<10	6
M649054		<20	<0.01	<10	<10	2	<10	13
M649055		<20	<0.01	<10	<10	3	<10	8
M649056		<20	<0.01	<10	<10	4	<10	6
M649057		<20	<0.01	<10	<10	5	<10	6
M649058		<20	<0.01	<10	<10	5	<10	8
M649059		<20	<0.01	<10	<10	9	<10	6
M649060		<20	<0.01	<10	<10	7	<10	11
M649061		<20	<0.01	<10	<10	9	<10	9
M649062		<20	<0.01	<10	<10	2	<10	13
M649063		<20	<0.01	<10	<10	14	<10	8
M649064		<20	<0.01	<10	<10	14	<10	9
M649065		<20	<0.01	<10	<10	13	<10	10
M649066		<20	<0.01	<10	<10	15	<10	10
M649067		<20	<0.01	<10	<10	11	<10	9
M649068		<20	<0.01	<10	<10	14	<10	8
M649069		<20	<0.01	<10	<10	12	<10	7
M649070		<20	<0.01	<10	<10	13	<10	7
M649071		<20	<0.01	<10	<10	55	<10	2230
M649072		<20	<0.01	<10	<10	17	<10	11
M649073		<20	<0.01	<10	<10	20	<10	9
M649074		<20	<0.01	<10	<10	12	<10	9
M649075		<20	<0.01	<10	<10	14	<10	7
M649076		<20	<0.01	<10	<10	13	<10	11
M649077		<20	<0.01	<10	<10	12	<10	9
M649078		<20	<0.01	<10	<10	8	<10	9
M649079		<20	<0.01	<10	<10	11	<10	10



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Page: 1
Finalized Date: 6- AUG- 2012
Account: F

CERTIFICATE WH12167660

Project: Vivi

P.O. No.: RCH- 12- 01

This report is for 39 RC Drill Chip samples submitted to our lab in Whitehorse, YT, Canada on 18- JUL- 2012.

The following have access to data associated with this certificate:

DOUG BLANCHFLOWER

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

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

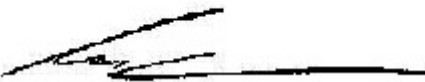
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Au- AA24	Au 50g FA AA finish	AAS

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
ATTN: JOAN MARIACHER
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8**

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - C)
Finalized Date: 6- AUG- 2012
Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12167660

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
M649001		2.00	0.057	<0.2	0.14	45	<10	10	<0.5	3	0.53	<0.5	40	333	16	3.01
M649002		2.41	0.052	<0.2	0.12	72	<10	<10	<0.5	<2	0.22	<0.5	39	312	1	3.12
M649003		1.92	0.109	<0.2	0.13	120	<10	10	<0.5	<2	0.32	<0.5	41	346	1	3.12
M649004		1.98	0.097	<0.2	0.12	86	<10	<10	<0.5	<2	0.33	<0.5	40	359	3	3.08
M649005		1.87	0.111	<0.2	0.11	39	<10	<10	<0.5	<2	0.14	<0.5	38	300	9	3.17
M649006		2.12	0.047	<0.2	0.11	60	<10	<10	<0.5	<2	0.15	<0.5	44	358	13	3.23
M649007		2.48	<0.005	<0.2	0.02	<2	<10	10	<0.5	<2	19.2	<0.5	2	2	<1	0.42
M649008		2.22	0.023	<0.2	0.09	45	<10	<10	<0.5	<2	0.15	<0.5	37	297	15	3.17
M649009		1.25	0.009	<0.2	0.09	31	<10	<10	<0.5	<2	0.11	<0.5	38	561	13	3.17
M649010		0.86	0.011	<0.2	0.10	18	<10	<10	<0.5	<2	0.09	<0.5	37	503	3	2.84
M649011		1.19	<0.005	<0.2	0.10	27	<10	<10	<0.5	<2	0.10	<0.5	39	591	2	2.83
M649012		1.14	0.010	<0.2	0.09	20	<10	<10	<0.5	<2	0.30	<0.5	33	652	<1	3.09
M649013		1.67	0.007	<0.2	0.09	8	<10	<10	<0.5	<2	0.17	<0.5	38	715	2	3.28
M649014		1.32	0.018	<0.2	0.12	14	<10	<10	<0.5	<2	0.39	<0.5	37	841	1	3.37
M649015		0.08	0.781	8.1	1.39	9140	160	20	0.5	202	5.54	0.7	74	23	3480	3.10
M649016		1.13	0.026	<0.2	0.11	50	<10	<10	<0.5	<2	0.22	<0.5	43	714	2	3.31
M649017		1.40	<0.005	<0.2	0.09	9	<10	<10	<0.5	<2	0.17	<0.5	41	685	1	3.60
M649018		1.54	0.013	<0.2	0.10	6	<10	<10	<0.5	<2	0.18	<0.5	39	836	2	3.87
M649019		1.77	0.005	<0.2	0.11	5	<10	10	0.6	<2	0.79	<0.5	48	546	9	4.08
M649020		1.83	0.006	<0.2	0.12	54	<10	10	<0.5	<2	1.09	<0.5	47	645	5	3.81
M649021		1.74	0.011	<0.2	0.09	16	<10	<10	<0.5	<2	0.49	<0.5	39	778	1	3.51
M649022		1.09	0.029	<0.2	0.08	6	<10	<10	<0.5	<2	0.74	<0.5	37	622	2	3.13
M649023		2.07	0.014	<0.2	0.09	72	<10	<10	<0.5	<2	0.38	<0.5	39	671	<1	3.23
M649024		0.24	1.445	29.0	0.96	523	<10	490	<0.5	<2	0.27	29.9	5	12	134	5.55
M649025		1.72	0.006	<0.2	0.10	5	<10	<10	<0.5	<2	0.36	<0.5	37	719	1	3.15
M649026		1.49	0.013	<0.2	0.09	15	<10	<10	<0.5	<2	0.22	<0.5	35	636	<1	2.91
M649027		0.91	0.008	<0.2	0.09	4	<10	<10	<0.5	<2	0.26	<0.5	36	680	1	3.09
M649028		4.58	0.014	<0.2	0.07	9	<10	<10	<0.5	<2	0.24	<0.5	34	631	<1	3.12
M649029		1.65	0.008	<0.2	0.06	5	<10	<10	<0.5	<2	0.22	<0.5	34	782	1	3.17
M649030		3.67	0.012	<0.2	0.07	4	<10	<10	<0.5	<2	0.22	<0.5	35	696	<1	3.05
M649031		4.29	0.009	<0.2	0.09	6	<10	10	<0.5	<2	0.27	<0.5	36	697	<1	3.23
M649032		2.25	<0.005	<0.2	0.07	4	<10	<10	<0.5	<2	0.30	<0.5	36	565	<1	2.70
M649033		1.01	0.009	<0.2	0.10	4	<10	<10	<0.5	<2	0.30	<0.5	36	675	6	3.57
M649034		1.88	<0.005	<0.2	0.03	<2	<10	20	<0.5	<2	19.9	<0.5	2	5	<1	0.46
M649035		1.53	0.018	<0.2	0.08	4	<10	<10	<0.5	<2	0.53	<0.5	37	799	<1	3.25
M649036		2.50	0.010	<0.2	0.08	4	<10	<10	<0.5	<2	0.33	<0.5	38	676	<1	3.19
M649037		2.46	0.011	<0.2	0.08	4	<10	<10	<0.5	<2	0.41	<0.5	39	730	<1	3.20
M649038		0.91	0.267	<0.2	0.08	6	<10	<10	<0.5	<2	0.40	<0.5	38	804	6	3.68
M649039		0.64	0.041	<0.2	0.08	6	<10	<10	<0.5	<2	0.18	<0.5	39	882	5	3.47



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To: ARCHER, CATHRO AND ASSOCIATES (1981)
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Page: 2 - B
 Total # Pages: 2 (A - C)
 Finalized Date: 6- AUG- 2012
 Account: F

Project: Vivi

CERTIFICATE OF ANALYSIS WH12167660

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
M649001		<10	<1	0.01	<10	11.30	694	<1	0.01	541	30	<2	<0.01	<2	5	6
M649002		<10	<1	<0.01	<10	11.05	535	<1	<0.01	556	10	3	<0.01	<2	5	4
M649003		<10	<1	<0.01	<10	12.05	877	1	<0.01	643	10	2	<0.01	<2	5	5
M649004		<10	<1	<0.01	<10	11.30	949	<1	<0.01	535	10	<2	<0.01	<2	5	5
M649005		<10	<1	<0.01	<10	11.05	695	<1	<0.01	438	<10	2	<0.01	<2	5	2
M649006		<10	<1	<0.01	<10	11.00	676	<1	<0.01	561	<10	3	<0.01	<2	4	2
M649007		<10	<1	0.01	<10	11.45	200	<1	0.01	1	170	3	0.01	<2	<1	46
M649008		<10	<1	<0.01	<10	10.65	693	1	<0.01	452	<10	2	<0.01	<2	5	2
M649009		<10	<1	<0.01	<10	10.40	593	<1	<0.01	442	10	4	<0.01	<2	5	1
M649010		<10	<1	<0.01	<10	10.20	697	<1	<0.01	467	10	2	<0.01	<2	5	1
M649011		<10	<1	<0.01	<10	11.10	769	<1	<0.01	412	<10	3	<0.01	<2	6	1
M649012		<10	<1	<0.01	<10	10.45	564	<1	<0.01	318	<10	2	<0.01	<2	4	4
M649013		<10	<1	<0.01	<10	11.70	707	<1	<0.01	349	<10	<2	<0.01	<2	5	3
M649014		<10	<1	<0.01	<10	11.30	571	<1	<0.01	357	10	3	<0.01	<2	5	6
M649015		<10	1	0.07	40	0.09	280	8	0.25	35	930	33	1.46	24	1	97
M649016		<10	<1	<0.01	<10	11.15	644	<1	<0.01	434	10	2	<0.01	<2	5	3
M649017		<10	<1	<0.01	<10	11.40	676	<1	<0.01	437	<10	3	<0.01	<2	5	2
M649018		<10	<1	<0.01	<10	10.95	624	<1	<0.01	426	<10	2	<0.01	<2	6	2
M649019		<10	<1	<0.01	<10	11.75	774	<1	<0.01	655	10	3	<0.01	<2	6	14
M649020		<10	<1	<0.01	<10	11.35	619	<1	<0.01	676	<10	2	<0.01	<2	6	16
M649021		<10	<1	<0.01	<10	10.95	652	<1	<0.01	398	<10	2	<0.01	<2	6	8
M649022		<10	<1	<0.01	<10	11.95	729	<1	<0.01	332	<10	3	<0.01	<2	5	12
M649023		<10	<1	<0.01	<10	11.25	726	<1	<0.01	390	<10	<2	<0.01	<2	5	6
M649024		<10	6	0.37	10	0.10	1010	5	0.03	5	1230	2870	0.39	21	4	137
M649025		<10	<1	<0.01	<10	11.40	785	<1	<0.01	337	<10	3	<0.01	<2	6	7
M649026		<10	<1	<0.01	<10	10.75	628	<1	<0.01	323	<10	2	<0.01	<2	6	4
M649027		<10	<1	<0.01	<10	11.10	702	1	<0.01	335	<10	2	<0.01	<2	6	4
M649028		<10	<1	<0.01	<10	10.85	650	<1	<0.01	303	<10	2	<0.01	<2	5	4
M649029		<10	<1	<0.01	<10	11.30	692	<1	<0.01	333	<10	3	<0.01	<2	5	3
M649030		<10	<1	<0.01	<10	10.80	592	1	<0.01	324	10	2	<0.01	<2	5	3
M649031		<10	<1	0.01	<10	10.85	645	<1	<0.01	337	20	2	<0.01	<2	5	4
M649032		<10	<1	<0.01	<10	10.65	648	<1	<0.01	345	<10	2	<0.01	<2	5	5
M649033		<10	<1	<0.01	<10	11.30	613	<1	<0.01	330	<10	<2	<0.01	<2	6	5
M649034		<10	<1	0.02	<10	12.10	196	<1	0.01	3	190	3	0.02	<2	<1	49
M649035		<10	<1	<0.01	<10	11.35	669	<1	<0.01	387	<10	<2	<0.01	<2	5	9
M649036		<10	<1	<0.01	<10	11.00	617	<1	<0.01	371	<10	2	<0.01	<2	5	5
M649037		<10	<1	<0.01	<10	11.15	756	<1	<0.01	387	<10	2	<0.01	<2	6	7
M649038		<10	<1	<0.01	<10	11.50	791	<1	0.01	383	<10	<2	0.01	<2	6	5
M649039		<10	<1	<0.01	<10	10.90	718	<1	<0.01	411	<10	<2	<0.01	<2	5	2



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Page: 2 - C
 Total # Pages: 2 (A - C)
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Project: Vivi

CERTIFICATE OF ANALYSIS WH12167660

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
M649001		<20	<0.01	<10	<10	8	<10	7
M649002		<20	<0.01	<10	<10	6	<10	6
M649003		<20	<0.01	<10	<10	7	<10	8
M649004		<20	<0.01	<10	<10	9	<10	8
M649005		<20	<0.01	<10	<10	7	<10	9
M649006		<20	<0.01	<10	<10	10	<10	8
M649007		<20	<0.01	<10	<10	<1	<10	12
M649008		<20	<0.01	<10	<10	8	<10	7
M649009		<20	<0.01	<10	<10	15	<10	5
M649010		<20	<0.01	<10	<10	12	<10	7
M649011		<20	<0.01	<10	<10	14	<10	9
M649012		<20	<0.01	<10	<10	19	<10	7
M649013		<20	<0.01	<10	<10	21	<10	8
M649014		<20	<0.01	<10	<10	20	<10	9
M649015		<20	0.04	<10	<10	7	30	98
M649016		<20	<0.01	<10	<10	18	<10	10
M649017		<20	<0.01	<10	<10	19	<10	9
M649018		<20	<0.01	<10	<10	23	<10	9
M649019		<20	<0.01	<10	<10	15	<10	10
M649020		<20	<0.01	<10	<10	16	<10	8
M649021		<20	<0.01	<10	<10	20	<10	8
M649022		<20	<0.01	<10	<10	16	<10	8
M649023		<20	<0.01	<10	<10	16	<10	7
M649024		<20	<0.01	<10	<10	54	<10	2200
M649025		<20	<0.01	<10	<10	18	<10	8
M649026		<20	<0.01	<10	<10	16	<10	7
M649027		<20	<0.01	<10	<10	18	<10	7
M649028		<20	<0.01	<10	<10	17	<10	6
M649029		<20	<0.01	<10	<10	16	<10	13
M649030		<20	<0.01	<10	<10	16	<10	11
M649031		<20	<0.01	<10	<10	19	<10	7
M649032		<20	<0.01	<10	<10	13	<10	7
M649033		<20	<0.01	<10	<10	22	<10	8
M649034		<20	<0.01	<10	<10	<1	<10	12
M649035		<20	<0.01	<10	<10	18	<10	5
M649036		<20	<0.01	<10	<10	18	<10	5
M649037		<20	<0.01	<10	<10	18	<10	7
M649038		<20	<0.01	<10	<10	22	<10	11
M649039		<20	<0.01	<10	<10	20	<10	10

APPENDIX V
STATEMENT OF EXPENDITURES

Statement of Expenditures
Vivi 1-2, 11-12, 19-30 Mineral Claims
October 30, 2012

Contract Reverse Circulation Drilling

Midnight Sun Drilling Inc.

\$155,191.89

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 – 510 West Hastings Street
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Fax: 604-688-2578

AFFIDAVIT

I, Joan Mariacher, of Vancouver, B.C. make oath and say:

That to the best of my knowledge the attached Statement of
Expenditures for exploration work on the Vivi 1-2, 11-12 and 19-30 mineral
claims on claim sheet 105A/13 is accurate.


Joan Mariacher

Sworn before me at Vancouver, B.C.

this 31st day of October 2012.


Barrister & Solicitor

IAN J. TALBOT
Barrister & Solicitor
281 East 5th Street
North Vancouver
British Columbia
Canada V7L 1L8