

Ministry of Energy and Mines
BC Geological Survey

**ASSESSMENT REPORT
TITLE PAGE AND SUMMARY**

TITLE OF REPORT [type of survey(s)] Report on the Geochemical and Tracing Program on the Raft Property.		TOTAL COST 42,026.69
AUTHOR(S) David J. Bridge		SIGNATURE(S) <i>David J. Bridge</i>
NOTICE OF WORK PERMIT NUMBER(S)/DATE(S) _____		YEAR OF WORK 2012
STATEMENT OF WORK - CASH PAYMENT EVENT NUMBER(S)/DATE(S) 5412988 (Oct 25, 2012)		
PROPERTY NAME Raft Property.		
CLAIM NAME(S) (on which work was done) Tenures 516464 and 645344		
COMMODITIES SOUGHT Au, Ag		
MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN _____		
MINING DIVISION Kootenays		NTS 082M/12-14
LATITUDE 51° 45'		LONGITUDE 119° 35' (at centre of work)
OWNER(S)		
1) Newmac Resources Inc.		2) _____
MAILING ADDRESS		
Suite 2000 - 1066 West Hastings St. Vancouver, B.C. V6E 3X2		
OPERATOR(S) [who paid for the work]		
1) Newmac Resources Inc.		2) _____
MAILING ADDRESS		
Suite 2000 - 1066 West Hastings St. Vancouver, B.C. V6E 3X2		
PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):		
Shuswap Metamorphic Complex, Cretaceous, Gold-quartz veins, Brittle Faults.		
REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS 26810, 30577 27138, 27574, 28008, 30534 and 31298		

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping _____			
Photo interpretation _____			
GEOFYSICAL (line-kilometres)			
Ground			
Magnetic _____			
Electromagnetic _____			
Induced Polarization _____			
Radiometric _____			
Seismic _____			
Other _____			
Airborne _____			
GEOCHEMICAL			
(number of samples analysed for ...)			
Soil _____			
Silt _____			
Rock _____	317 samples - 36 ZCP-MS, Au FA. 516464, 645344		\$14,013.14
Other _____			
DRILLING			
(total metres; number of holes, size)			
Core _____			
Non-core _____			
RELATED TECHNICAL			
Sampling/assaying _____			
Petrographic _____			
Mineralographic _____			
Metallurgic _____			
PROSPECTING (scale, area) _____			
PREPARATORY/PHYSICAL			
Line/grid (kilometres) _____			
Topographic/Photogrammetric (scale, area) _____			
Legal surveys (scale, area) _____			
Road, local access (kilometres)/trail _____			
Trench (metres) _____	596m	516464, 645344	\$28,013.55
Underground dev. (metres) _____			
Other _____			
TOTAL COST			\$42,026.69

NEWMAC RESOURCES INC.

Suite 2000 – 1066 West Hastings Street, Vancouver, British Columbia, V6E 3X2

Tel (604) 601-8278

RAFT PROPERTY

Kamloops Mining Division

NTS 082M/12-14

Lat. 51°45' Long. 119°35'W

**BC Geological Survey
Assessment Report
33573**

Report on the Geochemical and Trenching Program on the Raft Property

August 8, 2012 to August 31, 2012

By:

D. J. Bridge, P. Geo

1580 – 132B Street.,

Surrey, B.C. Canada V4A 6J2

January 31, 2013 (Modified April 23, 2013)

SUMMARY

The Raft Property is located approximately 35 kilometers northeast of the town of Clearwater, British Columbia. A portion of the property covering the Readymix showings is under option from Gordon Richards of Delta, BC and a portion of the property covering the Raft showing is subject to a NSR to the author and William Howell of Princeton, BC.

A trenching program was conducted on the Raft Property in August, 2012. Eleven trenches were dug by a Cat 330 Excavator for a total length of 596 meters. 268 representative grab and 24 soil samples were collected from the trenches. Each sample was collected at 2 meter intervals along the trench except one which was over 15 centimeters. From Trench H a 15 centimeter sample of quartz veined ankerite alteration assayed 39.63 g/t gold and 84.8 g/t silver.

Gold-silver mineralization in the area of the Trench H was hosted by a fault zone striking N23°W which is exposed over 200 meters in strike length by four trenches. This zone was drilled in 2010 with moderate success. A representative grab sample of skarn hosted arsenopyrite mineralization assayed 1568 ppb gold was collected from Trench O.

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INTRODUCTION

This report has been commissioned by Newmac Resources Inc. and it is prepared for the purpose of filing for assessment credit and for the company records on the 2012 geochemical and trenching program completed on the Raft Property.

Between August 8 and August 31, 2012, 268 representative grab and 24 soil samples were collected from 596 meters of trenches dug by a Cat 330 Excavator. 12 assay standards and 12 blanks were inserted into the sample shipments; these were also assayed. In total, 11 trenches were dug in the Readymix portion of the Raft Property.

LOCATION AND ACCESS

The Raft Property is located on NTS sheets 082M/ 12-14. The Readymix area of the Raft Property is at Latitude 51°45' North and Longitude 119°35' West (UTM 5741500mN, 322500mE NAD 83, Zone 11). (Figure 1).

The Readymix area of the Raft Property is accessed by travelling approximately 22 kilometres up the Martin Creek FSR from Hwy 5, then south along a spur road for approximately 2 kilometers to the area of the geochemical and trenching (Figure 2). The Martin Creek FSR leaves Hwy 5 37 km east of Clearwater, BC.



Figure 1. Raft Property location map.

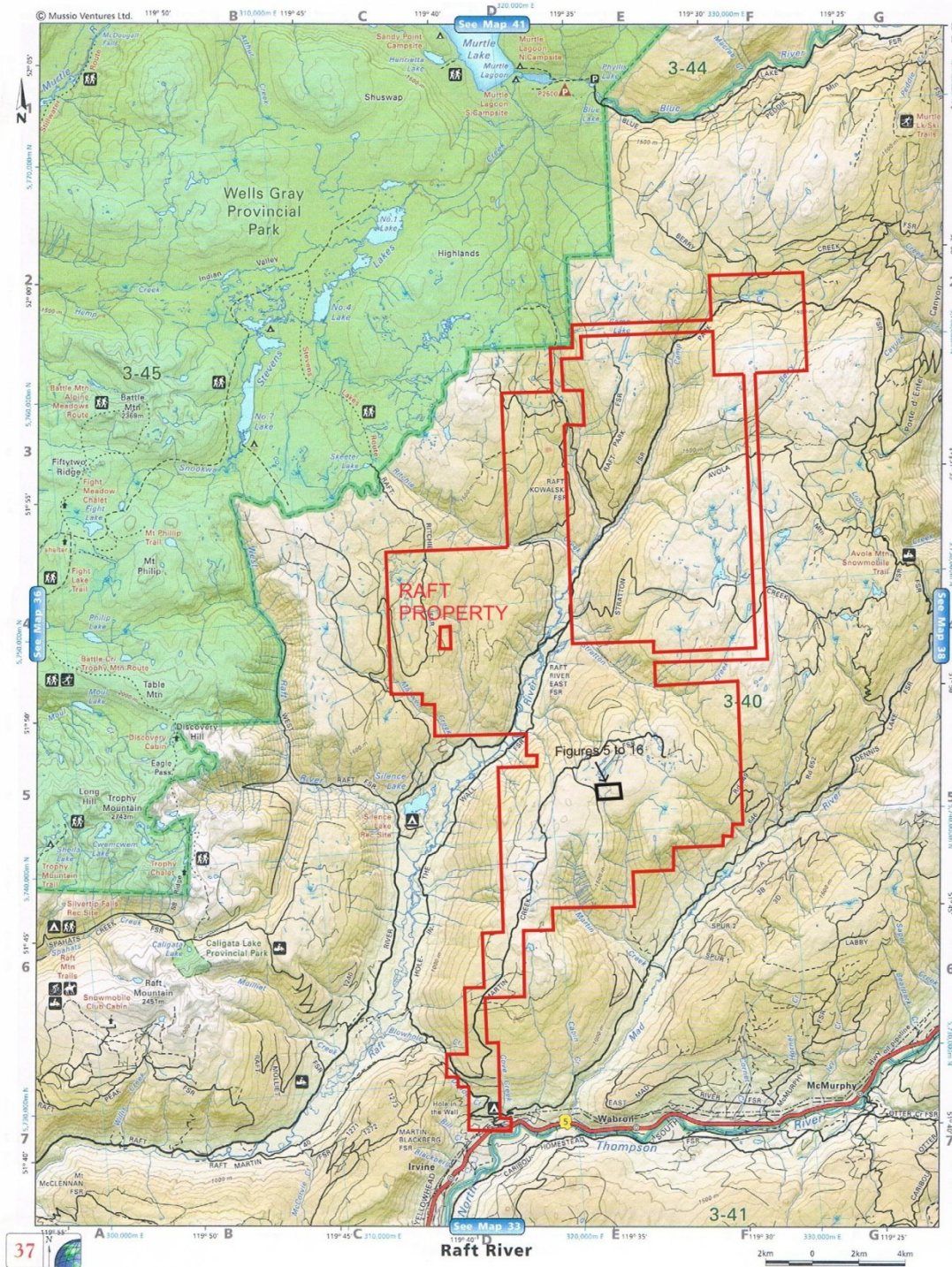


Figure 2: Topographic map showing the location of Raft Property and index map. The map is excerpted from the Thompson Okanagan Backroad Mapbook, 2007.

GENERAL SETTING

The Readymix portion of the Raft Property is located on a high plateau within the headwaters of Martin Creek at an elevation of 1550 to 1750 meters. This portion of the property receives up to 4 meters of snow from early October to late May. The area is generally snow free in early July. Overburden varies from over 4 meters deep in boggy areas to shallow at the crest of low hills. There are a few rock outcrops along deeply incised creek gullies. The old growth of spruce and Canada balsam has been cut in the cutblocks and a new planted growth of spruce is growing. The old growth forest is very mature and partly diseased with numerous old snags. The area constitutes habitat for Mountain Caribou.

The town of Clearwater is the nearest major town to the property. It has full services of a hospital, grocery and hardware stores, banking, bus depot, restaurants and motels. Major gas and power transmission lines leading to the lower mainland are located along the North Thompson River Valley.

MINERAL CLAIMS (Figure 3)

The Raft Property consists of 53 mineral claims totalling 20,186.63 ha. The owner of the mineral claims is Newmac Resources Inc. The mineral claims Raft #1 to #9 are subject to an option agreement to William Howell and the author and tenures 516464, 645344, 645363 and 646885 are subject to an option agreement to Gordon Richards. The dates in Table 1 are contingent upon acceptance of work credits presented by this report. The geochemical results and trenching reported in this report was conducted on the tenures 516464, 645344.

Table 1:

Tenure Number	Claim Name	Map Number	Good To Date	Area (ha)
516464		082M	2016/oct/12	79.9593
570636	RAFT#1	082M	2013/dec/24	479.1378
570637	RAFT#2	082M	2013/dec/24	239.6564
570638	RAFT#3	082M	2013/dec/24	479.1379
570639	RAFT#4	082M	2013/dec/24	319.3084
570640	RAFT#5	082M	2013/dec/24	319.3959
575687	RAFT #6	082M	2013/feb/08	498.8036
575688	RAFT#7	082M	2013/feb/08	459.0022
575689	RAFT#8	082M	2013/feb/08	239.6426
575690	RAFT #9	082M	2013/feb/08	479.445
645344		082M	2014/oct/01	479.7546
645363	READIMIX 1	082M	2014/oct/01	319.838
646885	READIMIX ALSO	082M	2014/oct/05	179.8604
752563	WEST KOWALSKI ONE	082M	2013/apr/19	478.3995
752582	WEST KOWALSKI 2	082M	2013/apr/19	478.5698
752602	WEST KOWALSKI 3	082M	2013/apr/19	359.0416
752622	WEST KOWALSKI 4	082M	2013/apr/19	478.2491
758622	SURE SHOT	082M	2014/apr/26	499.5798
758642	LONG SHOT	082M	2014/apr/26	299.6677

758722	AUW	082M	2013/apr/27	499.4227
759242	READY 1	082M	2014/apr/27	479.8299
759262	READY2	082M	2014/apr/27	499.8953
759282	READY 3	082M	2014/apr/27	460.0373
759962	READY NE	082M	2014/apr/28	479.4695
760582	READY N	082M	2014/apr/29	499.302
788562	RAFT WEST #1	082M	2013/jun/08	459.0903
788582	RAFT WEST #2	082M	2013/jun/08	478.8763
788602	RAFT WEST #3	082M	2013/jun/08	459.266
788622	RAFT WEST #4	082M	2013/jun/08	119.8354
837011	RM1	082M	2013/oct/30	479.7967
837012	RM2	082M	2013/oct/30	500.0256
837013	RM3	082M	2013/oct/30	480.1696
837014	RM4	082M	2013/oct/30	500.223
837015	RM5	082M	2013/oct/30	319.4875
838682	NR#1	082M	2013/nov/20	497.8939
838683	NR#2	082M	2013/nov/20	398.24
838684	NR#4	082M	2013/nov/20	413.4386
838685	NR#4	082M	2013/nov/20	318.7253
838686	NR#5	082M	2013/nov/20	199.2224
838687	NR#6	082M	2013/nov/20	199.0928
838688	NR#7	082M	2013/nov/20	358.9236
838689	NR#8	082M	2013/nov/20	359.3986
840505	A5	082M	2013/dec/09	399.7416
840507	A6	082M	2013/dec/09	479.5631
840508	A7	082M	2013/dec/09	479.4325
937012	D1	082M	2013/dec/10	480.4561
937023	D2	082M	2013/dec/10	500.8149
937025	D3	082M	2013/dec/10	40.0726
937030	D4	082M	2013/dec/10	240.517
937034	D5	082M	2013/dec/10	20.0457
944189	D6	082M	2014/jan/30	479.8468
944190	D7	082M	2014/jan/30	239.9857
955179	RAFT#25	082M	2014/mar/03	200.0055

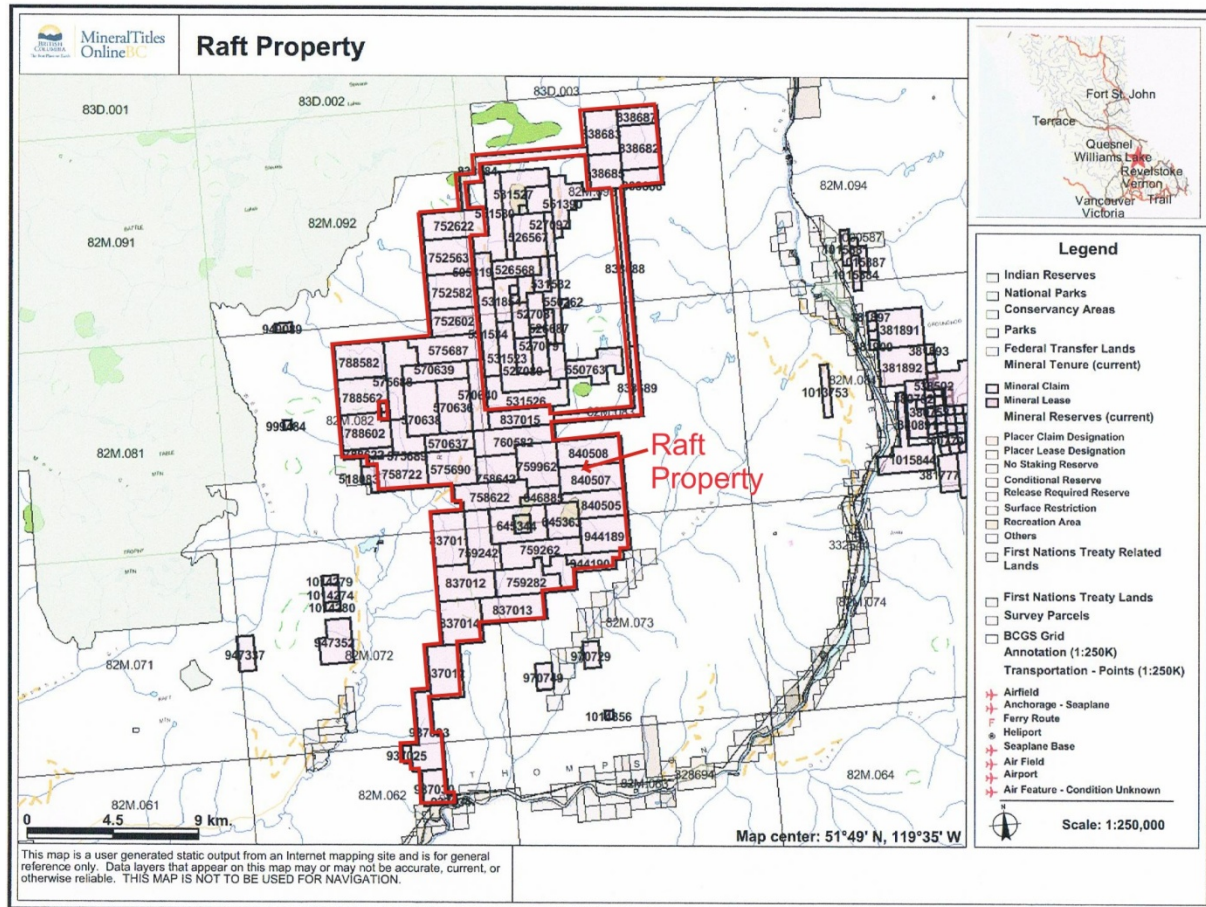


Figure 3: Raft Property claim map from MTONline@gov.bc.ca

HISTORY AND PREVIOUS WORK

The region north of Silence Lake on the Raft Property was extensively explored in the late 1970’s and early 1980’s. Very little work has been done recently except for Newmac’s exploration work in 2008.

The region north of Silence Lake contains the Bug – Mosquito showing (approximately 5 kilometers north of Silence Lake). This showing has disseminated chalcopyrite in schistose rocks of the Shuswap Metamorphic Complex. Exploration by Sicintine Mines in 1975 (Sanguinetti, 1975), Bethlehem Copper in 1976 (Anderson and Simpson, 1976), St. Joseph Ex. In 1979 (Miller, 1979) and Noranda Mining and Exploration Inc. in 1982 (Lewis, 1983) consisted of soil sampling, magnetic, VLF – EM and horizontal loop EM geophysics and percussion drilling. A total of 22 percussion holes totalling 902 meters were drilled on the Bug property. Grades of up to 378 ppm copper over 3.04 meters were intersected.

A mineralized intrusive on the west side of the Raft River was partially mapped by Sean Butler in 1983. Newmac conducted a soil sampling program and collected 83 soil samples in the vicinity of Sean's mapping and also collected 11 silt samples (Bridge and Howell, 2009). Newmac received disappointing results from the survey, but concluded that it did indicate a possible up slope source of anomalous molybdenum.

The Bear and Lky properties and surrounding region in the vicinity of the Readymix showings were soil sampled in 1979 and the samples were analyzed for copper, molybdenum, lead, silver and zinc (Jones and Vanderpoll, 1979 a, b, c, d)

The TU property, covering a tungsten showing on the Readymix/Raft Property was first explored by Sulpetro Minerals in 1983 (Miller, 1984) after scheelite was found in a road cut. Noranda Mining and Exploration Incorporated continued exploration in 1984 and 1985 (Helsen, 1985; Helsen, 1986) with a soil sampling and diamond drilling program.

The Readymix/Raft gold target, the main focus of this report, has been explored continuously since its discovery in 1999 by Gordon Richards and David Bennett. Soil, bulk till, rock, VLF – EM geophysical and MMI geochemical surveys have been completed on the property since 2001 (Bennett, 2002, Richards, 2003, Richards, 2004, Richards, 2006, Richards, 2009, Richards, 2010). This data allowed Newmac Resources Inc. to focus on a specific area of the property to conduct their 2010 exploration.

Newmac Resources conducted soil sampling, VLF-EM and magnetometer surveys on the Raft/Readymix gold target in 2010 (Bridge, 2011) which resulted in the Company drilling five drill holes.

Five diamond drill holes totalling 1273.9 meters of HQ core were drilled on a target known as the B Zone Trench E were drilled late in 2010. The drilling intersected pyrite-arsenopyrite-quartz veins hosted by shears and brittle faults; in drill holes R10-1 and 03, minor fine grained feldspar porphyry dykes were intersected in the faults (Bridge, 2011b).

Geochemical and geophysical programs were conducted during 2011 on the Readymix portion of the Raft Property. A total of 1630 soil samples were collected and analyzed by multi-element ICP, 55.4 km of induced polarization (IP) and 34 km of magnetometer and VLF-EM surveying was completed. These surveys adjoin areas of geochemical and geophysical surveys and diamond drilling conducted in 2010.

REGIONAL GEOLOGY

The regional geology of the Raft Property consists of schists and gneisses of the Shuswap Metamorphic Complex which have been intruded by multiple granite events, primarily during the mid Cretaceous (Figure 4). There is metallogenic evidence to suggest that the schists and gneisses are highly metamorphosed equivalents of the Cambrian to Devonian Eagle Bay Formation exposed south of the property (Lindinger, 2010 pers. comm.). There are numerous intrusive granite bodies and possible mineralization exposed in the Raft River valley and surrounding plateaus that have not yet been mapped and dated.

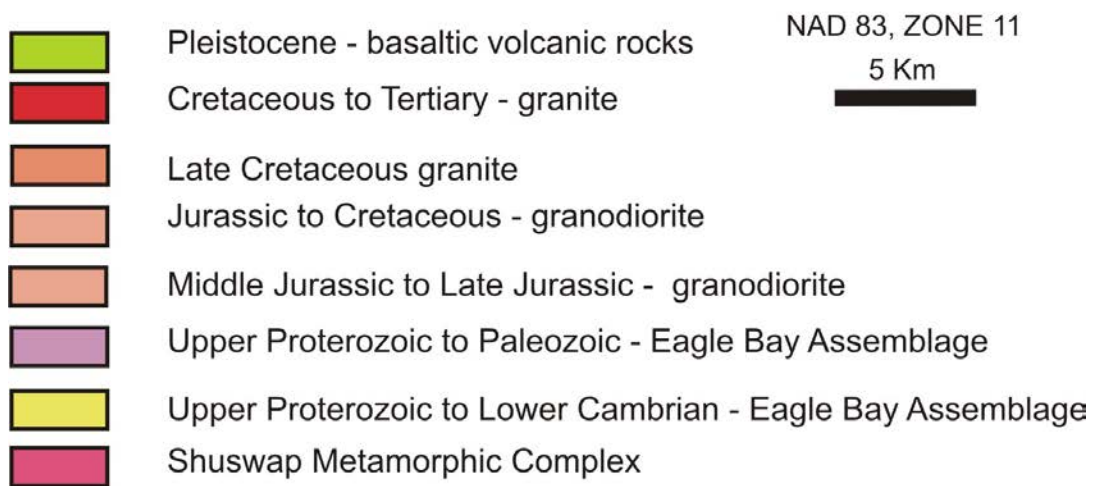
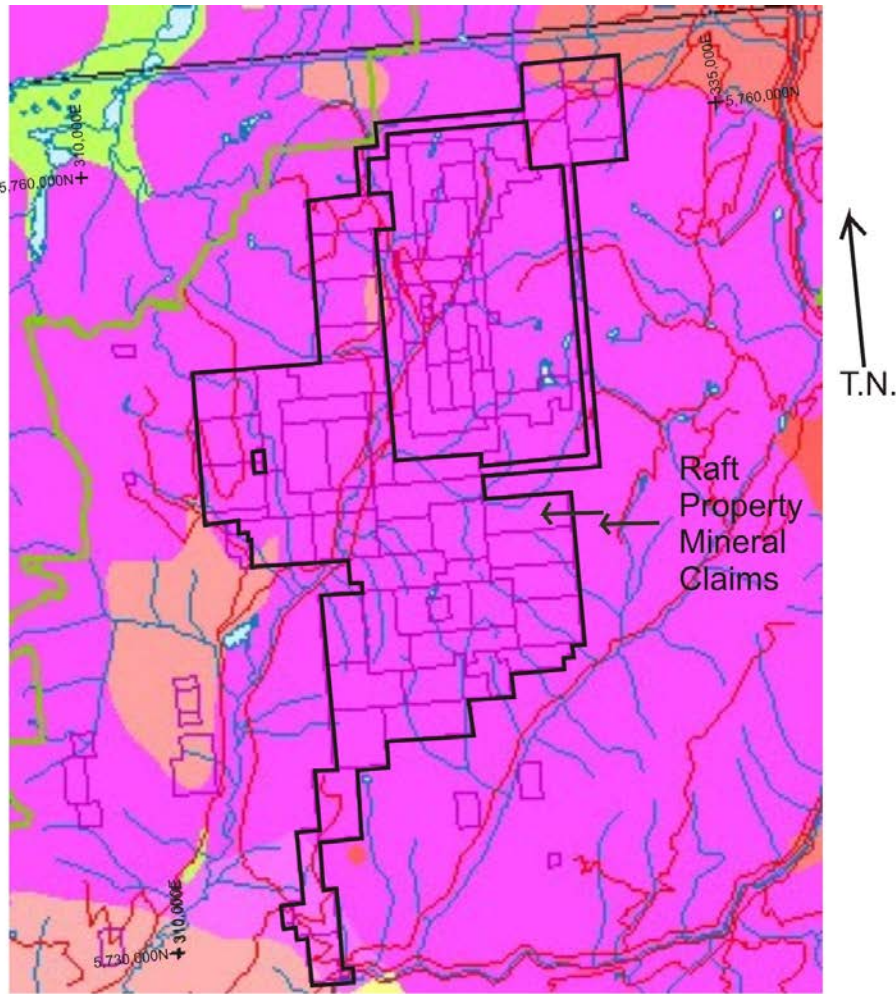


Figure 4: Regional geology map of the Raft Property excerpted from Map Place

LOCAL GEOLOGY

The Raft / Readymix showing area, the main subject of this report, is at the contact between schistose quartzites with mafic volcanic rocks and an intrusive body to the south. The schistose quartzites and mafic volcanic rocks are intruded by multiple stocks, up to 50 meters in diameter, of biotite granite and hornblende granite in the vicinity of the 2010 diamond drilling. In the northern and eastern portion of the surveyed area the schistose rocks have been folded into possible peaks and valleys by northerly folding and easterly directed compression. Numerous subvolcanic intrusive bodies are indicated by the geophysical surveys and they possibly outcrop in the eastern part of the surveyed area.

2012 WORK PROGRAM

268 representative grab samples and 24 soil samples were collected at roughly 2 meter intervals (except one for 15 centimeters) from 11 trenches. A total of 596 meters of trench was dug by a Cat 330 excavator. 12 assay standards for copper, molybdenum and gold and 12 assay blanks were inserted into the rock sample shipments at approximately 25 sample intervals.

Analytical Methods

At Acme Analytical Labs, soil samples were dried at 60° C prior to sample preparation, then sieved to -80 mesh. Using Acme method 1DX2, a 15-gram sample was then leached with 3 millilitres of 2-2-2 HCl-HNO₃-H₂O (Aqua Regia and water mixture) at 95° C for one hour, diluted to 10 millilitres and analyzed by inductively coupled plasma mass spectroscopy (ICP-MS) for 36 elements. Full assay results and tables appear in the appendix 1.

The rock samples were crushed and 250 grams was pulverized to -200 mesh. Using Acme method 1DX2, a 15-gram sample was then leached with 3 millilitres of 2-2-2 HCl-HNO₃-H₂O (Aqua Regia and water mixture) at 95° C for one hour, diluted to 10 millilitres and analyzed by inductively coupled plasma mass spectroscopy (ICP-MS) for 36 elements. Full assay results and tables appear in the appendix 1.

A metallic gold fire assay was conducted on the high gold assay sample.

All samples were fire assayed for gold with a ICP-ES finish. The prepared sample is custom-blended with fire-assay fluxes, PbO litharge and a Ag inquant. Firing the charge at 1050°C liberates Ag +/- Au that report to the molten Pb-metal phase. After cooling the Pb button is recovered, placed in a cupel and fired at 950°C to render a Ag+/-Au dore bead. The bead is digested for ICP-ES analysis by dissolving it with ACS grade HNO₃ to dissolve Ag leaving a Au sponge.

The copper, molybdenum and gold assay results of the inserted standards were consistent with the published values. The assay results of the blanks showed no unusual assays.

DISCUSSION OF RESULTS:

Descriptions of the trenches dug in 2012 (Figures 5 to 16)

Trench H

Trench H is 40 meters long, 1.5 meters wide and roughly 3 meters deep (Figure 6). It exposed ankerite altered mineralized rock from 6 to 22 meters where a 15 centimeter sample of quartz vein assayed 39.63 g/t gold and 84.8 g/t silver. The rest of the trench contained chlorite and clay altered meta-volcanic rock.

Trench HE

Trench HE is 52 meters long, 1.5 meters wide and roughly 3 meters deep (Figure 7). It did not expose any mineralization, but it did expose biotite schist intruded by biotite granite and feldspar granite.

Trench H.EE

Trench H.EE is 36 meters long, 1.5 meters wide and roughly 3 meters deep (Figure 8). The trench did not expose gold mineralization. This trench exposed a package of biotite granite and biotite schist +/- trace chalcopyrite.

Trench H.EEE

Trench H.EEE is 100 meters long, 1.5 meters wide and 2 to 3 meters deep (Figure 9). The trench exposed a package of biotite granite and biotite schist which has variable amounts of pyrite-chalcopyrite mineralization.

Trench I

Trench I is 80 meters long, 1.5 meters wide and roughly 3 meters deep (Figure 10). This trench exposed gold-arsenopyrite mineralization in four areas along it. The trench exposed granite from 0-10 meters, then a package of chlorite-sericite altered schist and quartzite.

Trench J

Trench J is 80 meters long, 1.5 meters wide and roughly 3 meters deep (Figure 11). This trench exposed ankerite carbonate altered fault zone from 36 to 38 meters. Biotite granite was exposed from 0 to 12 meters and the rest of the trench exposed a package of biotite or chlorite schist and quartzite.

Trench K

Trench K is 50 meters long, 1.5 meters wide and roughly 3 meters deep (Figure 12). The trench exposed a mineralized fault from 38 to 40 meters which was mineralized with quartz-pyrite veins. The rest of the trench exposed biotite granite or feldspar granite.

Trench K-E

Trench K-E is 30 meters long, 1.5 meters wide and roughly 3 meters deep (Figure 13). It did not expose mineralization, but it did expose biotite schist and minor quartzite from 0 to 4 meters and feldspar granite from 4 to 6 meters.

Trench L

Trench L is 18 meters long, 1.5 meters wide and roughly 5 meters deep (Figure 14). It did not reach bedrock.

Trench M

Trench M is 46 meters long, 1.5 meters wide and roughly 3 meters deep (Figure 15). The trench exposed clay and fluorite altered granite from 2 to 6 meters and the remainder of the trench exposed biotite granite with minor quartzite at its western end.

Trench O

Trench O is 64 meters long, 1.5 meters wide and 2 to 3 meters deep (Figure 16). It exposed biotite schist with minor pyrite – chalcopyrite mineralization from 0 to 10 meters which was also mineralized with gold. Foliated skarn with up to 1% arsenopyrite was exposed from 48 to 50 meters which assayed 1568 ppb gold. The remainder of the trench exposed biotite schist and biotite granite.

CONCLUSIONS:

The eleven trenches which were dug in August, 2012 in the Readymix portion of the Raft Property have exposed a gold mineralized fault zone, gold mineralized skarn and gold mineralized pyrite – chalcopyrite veinlets. This mineralization warrants follow up with additional trenches along strike to the zones and diamond drilling if the results warrant it.

REFERENCES

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Computer Programs used in this report:

Acrobat Pro

MS Word

MS Excel

Map Place

Rockworks

Geosoft

STATEMENT OF COSTS

August 8 to 31, 2012 Geochemical and Trenching Program

Personal

Mr. Wang	(8 days at \$400.00/day)	\$3,200.00
David Bridge	(10 days at \$400/day)	\$4,000.00
Ted Swift	(10 days at \$200/day)	\$2,000.00
Bill Howell	(2 days at \$600/day)	\$1,200.00

Cat 330 Excavator (596 meters of trenching under contract from Syfchuck Contraction Ltd.)

\$11,265.90

Motel (Room and Board)

\$3,725

Truck

\$1,456.40

Gas

\$150.04

Field supplies (Grass seed, sample bags, safety vests, shipping of samples)

\$1,016.21

Assays (317 samples (rock, soil, assay standards and blanks by 36 element ICP-MS
and gold fire assay)

\$14,013.14

Total

\$42,026.69

Surplus to be applied to PAC account for Newmac Resources INC.

STATEMENT OF QUALIFICATIONS FOR David Bridge, P.Geo

I, David Bridge, hereby certify that:

I am a geologist residing at 1580 – 132B Street, Surrey, British Columbia, Canada.

I am a graduate of the University of British Columbia with a Bachelors degree in Geological Engineering (1990) and a Masters in geological engineering in (1994).

I am registered as a Professional Geoscientist with the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC number 24944).

The Raft #1 to Raft #9 mineral claims are under option from Bill Howell and myself and subject to an NSR to us.

Dated at Surrey, BC

January 31, 2013 (Modified April 23, 2013)

Respectfully submitted

“David Bridge”

David J. Bridge, P. Geo, MASc

APPENDIX 1

ASSAY CERTIFICATES



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Newmac Resources Inc.
Suite 2000 - 1066 West Hastings Street
Vancouver BC V6E 3X2 Canada

Submitted By: Andrea Yuan
Receiving Lab: Canada-Vancouver
Received: August 13, 2012
Report Date: August 20, 2012
Page: 1 of 4

CERTIFICATE OF ANALYSIS

VAN12003758.1

CLIENT JOB INFORMATION

Project: RAFT
Shipment ID:
P.O. Number
Number of Samples: 62

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT Dispose of Reject After 90 days

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

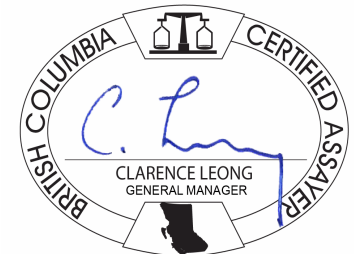
Invoice To: Newmac Resources Inc.
Suite 2000 - 1066 West Hastings Street
Vancouver BC V6E 3X2
Canada

CC: William A. Howell
David Bridge

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include R200-250, 3B01, and 1DX2.

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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

www.acmelab.com

Client: **Newmac Resources Inc.**
 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

Project: RAFT
 Report Date: August 20, 2012

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Part: 1 of 2

CERTIFICATE OF ANALYSIS

VAN12003758.1

Method	WGHT	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
G1	Prep Blank	<0.01	<2	<0.1	2.1	2.5	47	<0.1	3.5	4.4	568	1.86	<0.5	0.6	4.9	54	<0.1	<0.1	<0.1	33	0.45
G1	Prep Blank	<0.01	<2	<0.1	1.7	2.7	46	<0.1	3.8	4.4	588	1.86	0.7	<0.5	4.7	56	<0.1	<0.1	<0.1	34	0.50
171254	Rock	1.22	5	1.7	22.2	5.2	20	0.1	3.8	3.1	94	0.90	32.3	5.3	5.9	3	<0.1	0.6	<0.1	2	0.03
171255	Rock	0.93	989	1.7	119.6	435.9	142	4.4	10.9	7.4	291	5.29	1205	953.0	8.6	16	<0.1	4.4	1.5	12	0.06
171256	Rock	1.61	645	0.5	12.0	33.8	26	2.5	4.5	5.9	94	3.26	>10000	842.5	3.5	13	<0.1	12.2	0.1	8	0.08
171257	Rock	0.97	118	2.0	33.4	65.6	70	0.7	18.4	8.3	343	3.71	203.6	122.9	12.5	4	<0.1	1.2	0.3	28	0.02
171258	Rock	0.90	11	2.7	7.8	9.0	20	0.2	1.3	1.2	85	1.43	27.4	5.7	19.2	4	<0.1	0.6	<0.1	11	0.04
171259	Rock	1.04	17	3.9	37.5	59.6	82	0.4	16.7	8.0	459	3.75	111.5	13.2	9.6	6	<0.1	0.8	0.2	32	0.01
171260	Rock	1.00	348	1.5	89.5	99.2	116	4.0	8.3	10.4	630	4.30	442.6	251.0	7.2	5	<0.1	1.9	0.4	56	0.06
171261	Rock	1.17	6	0.2	21.4	10.3	70	0.2	27.2	8.5	531	3.05	27.2	6.1	8.5	4	<0.1	0.5	<0.1	26	<0.01
171262	Rock	1.18	<2	0.1	7.5	9.2	12	<0.1	3.2	1.4	114	0.68	6.6	5.5	7.9	4	<0.1	<0.1	<0.1	4	0.04
171263	Rock	1.00	2	1.2	20.8	22.7	54	<0.1	22.1	26.1	581	1.63	3.3	5.1	22.1	7	<0.1	<0.1	<0.1	8	0.07
171264	Rock	1.02	58	3.2	164.6	26.3	54	2.3	29.3	18.9	230	7.51	136.7	58.5	7.4	18	<0.1	4.6	1.2	15	0.03
171264B	Rock	1.40	<2	0.2	15.1	11.1	171	<0.1	20.3	11.6	601	2.39	2.9	3.2	4.9	25	0.8	0.1	<0.1	42	0.37
171265	Rock	0.78	7	2.3	67.3	35.9	60	0.5	44.2	18.7	776	3.63	55.2	2.6	10.0	21	<0.1	1.8	0.3	32	0.32
171266	Rock	1.69	6	0.6	17.6	5.8	52	0.1	18.3	8.7	412	2.44	34.2	6.8	10.2	17	<0.1	1.2	<0.1	11	0.21
171267	Rock	1.66	<2	1.2	29.0	11.2	62	<0.1	25.9	11.0	356	2.99	13.6	1.1	9.1	9	<0.1	0.5	<0.1	28	0.09
171268	Rock	1.05	<2	4.7	23.5	15.3	32	0.1	16.5	7.8	339	2.18	34.6	3.6	11.0	5	<0.1	0.6	<0.1	14	0.04
171268B	Rock	1.80	6	1.2	88.4	16.0	58	0.3	52.7	27.9	286	3.67	37.8	7.8	4.2	13	<0.1	3.2	0.1	18	0.20
171269	Rock	1.41	>10000	0.2	7.8	259.6	57	84.8	2.1	1.0	42	1.37	714.8	30805	2.2	2	<0.1	7.4	0.2	3	0.06
171269A	Rock Pulp	0.04	1133	758.7	2944	81.9	92	29.5	16.6	7.2	373	2.17	28.0	1191	1.0	263	2.8	78.6	1.8	14	1.16
171269B	Rock Pulp	0.04	<2	8.9	35.5	1.3	87	<0.1	14.3	7.0	1093	4.23	1.3	6.7	1.6	40	<0.1	0.3	<0.1	19	0.57
171301	Rock	1.39	<2	1.1	5.3	10.5	31	<0.1	4.9	3.1	265	1.81	2.9	1.3	25.6	17	<0.1	0.2	<0.1	20	0.20
171302	Rock	0.62	82	0.7	12.2	11.7	44	0.4	16.9	6.9	315	2.14	21.2	85.1	12.6	15	<0.1	0.7	<0.1	16	0.35
171303	Rock	1.19	<2	0.8	12.1	23.0	57	0.2	9.1	5.6	468	2.71	31.8	16.2	16.7	31	<0.1	1.5	<0.1	11	0.48
171304	Rock	0.89	<2	0.9	9.9	28.7	205	0.3	7.8	4.3	1168	1.84	25.0	13.9	12.3	258	3.1	0.6	1.0	6	4.74
171305	Rock	1.46	<2	0.3	10.7	19.9	29	<0.1	6.6	4.4	394	1.49	7.3	10.0	17.6	44	<0.1	0.7	<0.1	10	0.94
171306	Rock	0.65	<2	0.5	40.7	13.1	79	0.2	29.1	14.4	740	3.26	27.3	13.6	7.4	41	0.2	2.6	0.2	24	0.91
171308	Rock	<0.01	<2	0.2	68.5	17.3	111	<0.1	46.9	15.9	409	4.54	4.4	3.5	4.5	12	<0.1	0.3	<0.1	39	0.14
171309	Rock	1.40	<2	0.3	27.3	15.4	71	<0.1	28.4	13.8	387	2.77	13.2	4.3	12.1	14	<0.1	0.4	0.1	21	0.18

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CERTIFICATE OF ANALYSIS

VAN12003758.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
G1	Prep Blank	0.078	9	8	0.56	227	0.110	<1	0.95	0.084	0.48	<0.1	<0.01	2.5	0.3	<0.05	5	<0.5	<0.2
G1	Prep Blank	0.077	9	8	0.60	237	0.117	<1	0.96	0.084	0.50	<0.1	<0.01	2.5	0.3	<0.05	5	<0.5	<0.2
171254	Rock	0.011	10	5	0.14	18	0.001	5	0.39	0.002	0.16	0.1	<0.01	0.6	0.1	0.11	1	<0.5	<0.2
171255	Rock	0.062	19	11	0.63	56	0.004	1	1.34	0.005	0.31	0.2	<0.01	2.3	0.2	0.69	4	1.1	<0.2
171256	Rock	0.033	11	5	0.11	70	0.002	<1	0.41	0.004	0.18	0.1	<0.01	1.4	0.1	1.63	1	0.9	<0.2
171257	Rock	0.045	23	22	0.59	51	0.012	<1	1.52	0.006	0.27	0.3	<0.01	3.2	0.2	0.13	5	<0.5	<0.2
171258	Rock	0.052	28	3	0.14	60	0.001	<1	0.67	0.001	0.22	<0.1	<0.01	1.4	0.1	0.06	3	<0.5	<0.2
171259	Rock	0.034	21	21	0.63	97	0.008	<1	1.70	0.005	0.29	0.2	<0.01	2.5	0.2	0.11	6	<0.5	<0.2
171260	Rock	0.088	11	7	0.94	45	0.010	<1	1.80	0.003	0.27	0.1	<0.01	4.5	0.1	0.65	6	<0.5	<0.2
171261	Rock	0.014	21	24	0.77	100	0.071	<1	1.68	0.007	0.63	<0.1	<0.01	3.0	0.3	<0.05	6	<0.5	<0.2
171262	Rock	0.023	14	4	0.16	23	0.002	<1	0.46	0.029	0.15	<0.1	<0.01	0.7	<0.1	<0.05	2	<0.5	<0.2
171263	Rock	0.031	55	5	0.34	87	0.011	<1	1.29	0.016	0.27	<0.1	<0.01	2.3	0.1	<0.05	3	<0.5	<0.2
171264	Rock	0.029	10	14	0.31	63	0.003	<1	1.19	0.002	0.29	<0.1	0.02	2.7	0.5	2.09	4	2.6	0.6
171264B	Rock	0.016	9	91	0.85	42	0.063	<1	1.20	0.011	0.22	0.2	<0.01	5.5	0.1	0.14	4	<0.5	<0.2
171265	Rock	0.069	24	32	1.26	137	0.013	<1	2.03	0.003	0.40	<0.1	<0.01	5.2	0.3	0.42	7	0.8	<0.2
171266	Rock	0.014	14	23	0.76	44	0.007	<1	1.26	0.014	0.28	<0.1	<0.01	2.1	0.1	0.32	4	<0.5	<0.2
171267	Rock	0.018	16	29	1.06	130	0.076	<1	1.84	0.017	0.69	<0.1	<0.01	3.5	0.3	0.17	5	<0.5	<0.2
171268	Rock	0.020	24	19	0.60	38	0.006	<1	1.24	0.003	0.24	<0.1	<0.01	1.7	0.1	<0.05	4	<0.5	<0.2
171268B	Rock	0.027	7	38	1.27	27	0.002	2	1.52	0.008	0.19	<0.1	<0.01	5.0	0.1	0.67	4	0.6	<0.2
171269	Rock	0.006	5	5	0.03	18	0.003	<1	0.22	0.003	0.13	<0.1	0.02	0.6	<0.1	0.83	<1	1.0	<0.2
171269A	Rock Pulp	0.041	7	31	0.14	164	0.006	<1	0.31	0.037	0.16	5.1	3.34	0.9	<0.1	0.99	1	<0.5	7.1
171269B	Rock Pulp	0.138	9	19	0.67	403	0.166	<1	1.56	0.154	0.89	8.2	<0.01	3.4	0.3	<0.05	7	<0.5	<0.2
171301	Rock	0.045	58	5	0.40	44	0.008	<1	0.99	0.015	0.19	<0.1	<0.01	2.1	0.1	<0.05	5	<0.5	<0.2
171302	Rock	0.024	20	22	0.59	31	0.002	<1	1.11	0.002	0.18	0.1	<0.01	2.1	<0.1	0.26	5	<0.5	<0.2
171303	Rock	0.065	39	4	0.42	58	0.007	<1	1.13	0.003	0.31	<0.1	0.01	2.4	0.2	1.32	4	<0.5	<0.2
171304	Rock	0.033	14	6	0.33	33	<0.001	<1	0.79	0.012	0.17	<0.1	<0.01	2.2	<0.1	0.67	2	<0.5	<0.2
171305	Rock	0.044	31	7	0.39	36	<0.001	<1	0.88	0.005	0.19	<0.1	<0.01	1.6	<0.1	0.21	3	<0.5	<0.2
171306	Rock	0.031	18	28	0.75	60	0.024	<1	1.44	0.007	0.32	0.2	<0.01	3.7	0.2	0.95	5	<0.5	<0.2
171308	Rock	0.029	12	45	1.09	140	0.139	<1	2.57	0.027	1.05	<0.1	<0.01	3.8	0.4	0.24	8	<0.5	<0.2
171309	Rock	0.053	27	25	0.72	71	0.020	<1	1.45	0.008	0.31	0.4	<0.01	2.1	0.1	0.22	5	<0.5	<0.2

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Method	WGHT	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
171310	Rock	1.70	<2	<0.1	66.9	17.1	94	0.3	40.1	32.6	772	3.92	25.6	5.9	9.8	8	0.2	0.2	0.2	40	0.02
171311	Rock	1.46	7	<0.1	19.8	19.4	45	0.2	26.2	12.7	573	3.93	211.5	16.8	10.3	4	<0.1	0.7	<0.1	28	0.02
171312	Rock	1.15	107	0.1	43.7	8.1	28	0.4	16.3	8.2	788	3.51	1882	108.2	16.3	6	<0.1	3.1	<0.1	8	0.02
171313	Rock	1.14	30	0.1	66.7	6.5	17	0.2	14.2	5.8	622	3.22	751.8	52.3	16.1	6	<0.1	1.2	<0.1	12	0.01
171314	Rock	1.47	<2	0.8	20.0	7.5	24	0.2	21.9	6.8	499	2.93	83.8	13.2	7.7	4	<0.1	0.7	<0.1	20	<0.01
171315	Rock	1.50	27	0.7	34.2	7.5	27	0.2	20.0	5.6	521	2.94	80.6	29.9	6.7	4	<0.1	0.6	0.2	17	0.01
171316	Rock	1.62	2	0.2	13.5	11.2	72	0.3	39.1	18.4	944	3.53	59.5	12.0	4.5	8	<0.1	1.0	0.2	30	0.07
171317	Rock	1.23	<2	0.1	12.6	11.3	52	0.2	27.9	10.4	1137	4.22	54.0	8.6	7.5	5	<0.1	0.4	<0.1	24	0.04
171318	Rock	1.35	<2	<0.1	7.7	11.4	56	0.2	31.4	11.2	733	3.89	53.7	11.9	7.2	9	<0.1	1.1	<0.1	40	0.04
171319	Rock	1.20	10	1.0	98.8	69.6	128	1.2	12.8	15.7	866	5.57	690.6	25.1	6.9	15	0.1	1.0	0.9	42	0.15
171320	Rock	0.92	13	0.6	121.2	129.9	115	1.0	9.5	14.5	756	5.89	310.8	26.6	7.5	14	0.2	1.6	1.0	43	0.13
171321	Rock	1.43	199	0.7	138.5	33.5	135	2.0	11.5	25.6	1468	8.16	598.6	120.0	6.5	13	0.3	0.9	0.3	107	0.35
171321A	Rock Pulp	0.04	1183	807.0	3113	77.5	89	29.6	16.5	7.3	380	2.13	27.5	1226	0.9	267	3.1	72.3	1.8	14	1.16
171321B	Rock Pulp	0.04	<2	8.9	33.9	1.1	86	<0.1	13.4	6.5	1025	4.07	1.4	2.9	1.3	36	<0.1	0.2	<0.1	19	0.57
171322	Rock	1.12	84	0.3	34.1	17.8	42	0.3	9.9	6.0	234	2.02	183.8	109.9	8.0	6	<0.1	0.5	<0.1	6	0.04
171323	Rock	1.31	<2	0.2	10.9	8.6	45	<0.1	11.9	5.0	219	1.76	12.3	4.0	7.0	4	<0.1	0.3	<0.1	12	0.05
171324	Rock	1.51	<2	0.2	28.2	14.7	77	0.1	25.4	15.6	449	2.89	10.3	4.2	9.6	12	0.1	0.3	<0.1	9	0.17
171325	Rock	1.47	<2	0.4	19.8	9.7	56	0.2	17.8	9.3	369	2.35	24.1	5.0	11.6	10	<0.1	0.4	0.2	10	0.14
171326	Rock	1.31	<2	0.3	17.8	6.7	41	0.1	12.6	7.5	341	2.21	8.5	2.9	9.6	6	<0.1	0.3	0.1	17	0.07
171327	Rock	1.14	<2	0.2	23.2	6.5	47	0.2	15.0	6.5	239	2.41	31.7	7.8	5.9	5	0.2	0.5	0.1	8	0.04
171328	Rock	0.94	144	0.9	85.5	6.5	46	0.7	11.8	9.6	293	3.83	327.3	167.6	5.9	7	0.5	3.3	0.3	8	0.07
171329	Rock	1.37	<2	0.2	81.7	3.7	182	0.1	31.8	11.0	561	3.35	1.5	3.1	6.5	27	0.1	0.1	0.4	40	0.71
171330	Rock	1.23	<2	0.5	154.7	5.6	255	0.2	37.0	16.1	2182	4.68	10.2	6.9	6.0	21	0.5	1.5	0.8	28	0.60
171331	Rock	1.03	<2	0.2	11.2	20.5	72	<0.1	25.8	11.5	869	2.38	15.1	3.8	8.2	50	0.2	0.2	0.5	27	0.47
171332	Rock	1.19	4	1.1	161.7	14.3	252	0.3	20.9	12.6	453	4.55	801.1	4.8	14.3	44	0.3	5.4	0.7	53	0.64
171333	Rock	1.35	30	24.4	22.6	7.0	45	1.1	11.0	5.5	158	1.12	46.5	38.1	2.8	95	<0.1	1.2	<0.1	4	0.38
171334	Rock	0.73	8	<0.1	34.8	15.3	67	0.2	26.8	14.9	640	3.01	96.8	12.7	7.7	20	<0.1	1.1	<0.1	16	0.08
171335	Rock	1.35	5	0.4	24.7	11.9	123	0.2	89.0	23.2	686	4.85	11.1	6.2	3.3	12	0.2	0.4	<0.1	67	0.20
171336	Rock	1.01	<2	0.5	31.4	11.0	128	0.1	158.8	41.7	1098	6.43	2.8	1.6	1.5	34	0.3	0.3	<0.1	151	0.56
171337	Rock	1.72	<2	0.5	40.0	9.2	81	0.1	87.9	28.4	654	3.97	4.0	1.1	1.7	18	0.2	0.1	<0.1	63	0.59

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

www.acmelab.com

Client: **Newmac Resources Inc.**
 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

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CERTIFICATE OF ANALYSIS

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
171310	Rock	0.012	14	36	1.07	44	0.024	<1	1.74	0.031	0.24	0.1	<0.01	3.9	<0.1	0.47	7	<0.5	<0.2
171311	Rock	0.018	17	29	1.05	40	0.008	<1	1.73	0.016	0.20	<0.1	<0.01	4.0	<0.1	0.22	6	<0.5	<0.2
171312	Rock	0.025	24	10	0.56	35	0.003	<1	1.07	0.003	0.20	0.1	<0.01	3.6	0.2	0.09	3	<0.5	<0.2
171313	Rock	0.026	27	15	0.74	42	0.003	<1	1.34	0.003	0.19	<0.1	<0.01	3.5	0.1	0.07	3	<0.5	<0.2
171314	Rock	0.014	18	22	0.74	47	0.005	<1	1.38	0.004	0.19	<0.1	<0.01	1.9	<0.1	0.12	5	<0.5	<0.2
171315	Rock	0.017	15	17	0.81	38	0.003	2	1.48	0.004	0.16	<0.1	0.01	2.1	<0.1	0.06	6	<0.5	<0.2
171316	Rock	0.018	12	31	0.88	45	0.020	1	1.87	0.003	0.29	0.2	<0.01	2.7	0.2	0.54	6	<0.5	<0.2
171317	Rock	0.025	19	24	0.98	44	0.009	2	2.19	0.001	0.26	<0.1	<0.01	2.6	0.1	0.08	7	<0.5	<0.2
171318	Rock	0.017	17	39	0.82	76	0.051	<1	2.02	0.004	0.50	0.2	<0.01	4.0	0.3	0.27	8	<0.5	<0.2
171319	Rock	0.098	19	12	1.34	57	0.007	2	2.47	0.003	0.28	<0.1	<0.01	5.8	0.2	0.19	7	<0.5	<0.2
171320	Rock	0.099	19	9	1.14	52	0.005	1	2.27	<0.001	0.27	<0.1	<0.01	5.4	0.2	0.18	7	<0.5	<0.2
171321	Rock	0.188	14	4	2.23	77	0.013	3	3.48	0.004	0.30	<0.1	<0.01	12.7	0.2	0.14	10	<0.5	<0.2
171321A	Rock Pulp	0.040	6	29	0.14	151	0.007	2	0.34	0.037	0.16	5.2	3.31	0.9	<0.1	0.95	2	<0.5	7.7
171321B	Rock Pulp	0.134	8	17	0.67	385	0.149	<1	1.58	0.167	0.86	7.2	<0.01	3.3	0.3	<0.05	6	<0.5	<0.2
171322	Rock	0.019	17	8	0.51	48	0.004	2	1.04	0.003	0.20	<0.1	<0.01	1.4	0.1	0.16	2	<0.5	<0.2
171323	Rock	0.015	17	14	0.51	49	0.033	<1	1.11	0.011	0.35	<0.1	<0.01	1.4	0.1	<0.05	3	<0.5	<0.2
171324	Rock	0.022	23	13	0.82	44	0.008	1	1.52	0.008	0.24	<0.1	<0.01	2.2	0.1	0.06	3	<0.5	<0.2
171325	Rock	0.019	19	13	0.66	48	0.012	2	1.35	0.009	0.27	<0.1	<0.01	2.1	0.2	0.12	3	<0.5	<0.2
171326	Rock	0.023	18	21	0.73	58	0.035	2	1.34	0.010	0.35	<0.1	<0.01	1.9	0.2	<0.05	4	<0.5	<0.2
171327	Rock	0.013	14	11	0.59	64	0.007	4	1.20	0.007	0.19	<0.1	<0.01	1.9	0.1	0.18	3	<0.5	<0.2
171328	Rock	0.032	12	10	0.34	59	0.003	2	0.95	0.002	0.22	<0.1	<0.01	1.4	0.3	1.73	3	0.6	<0.2
171329	Rock	0.024	14	49	1.15	248	0.170	2	2.24	0.045	1.14	0.2	<0.01	6.6	0.4	0.47	9	<0.5	<0.2
171330	Rock	0.040	13	29	0.62	93	0.079	<1	1.46	0.015	0.34	0.2	<0.01	4.4	0.7	1.68	6	<0.5	<0.2
171331	Rock	0.018	16	31	0.88	324	0.085	2	2.01	0.067	0.57	0.1	<0.01	4.7	0.2	<0.05	7	<0.5	<0.2
171332	Rock	0.106	32	9	1.09	75	0.017	8	1.88	<0.001	0.47	0.5	<0.01	7.6	0.4	2.39	6	<0.5	<0.2
171333	Rock	0.006	7	5	0.22	139	<0.001	<1	0.84	0.002	0.25	<0.1	<0.01	0.9	0.4	0.58	3	0.7	0.3
171334	Rock	0.023	16	17	0.61	63	0.013	5	1.28	0.007	0.27	0.1	<0.01	1.7	0.2	0.75	4	<0.5	<0.2
171335	Rock	0.073	10	117	2.45	133	0.071	2	2.96	0.008	0.47	<0.1	<0.01	7.0	0.2	0.12	11	<0.5	<0.2
171336	Rock	0.087	12	280	3.37	108	0.114	1	3.35	0.036	0.12	0.2	<0.01	14.7	0.1	<0.05	14	<0.5	<0.2
171337	Rock	0.126	7	128	2.00	264	0.220	<1	2.23	0.047	0.42	0.3	<0.01	4.3	0.2	0.07	10	<0.5	<0.2

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

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Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
171338	Rock	1.16	9	0.1	43.1	15.4	71	0.3	41.0	26.7	557	3.57	53.9	10.2	8.3	9	0.2	0.6	0.2	22	0.09
171339	Rock	0.99	9	0.2	27.2	11.6	68	0.2	37.5	17.3	468	3.53	55.1	11.4	9.7	10	0.2	1.5	0.1	28	0.10
171339A	Rock Pulp	0.05	1226	855.2	3242	83.5	96	30.7	18.6	7.5	392	2.27	28.6	1395	1.0	292	3.0	83.1	2.0	15	1.23
171339B	Rock Pulp	0.05	3	8.7	34.9	1.2	90	<0.1	14.2	6.9	1083	4.25	1.9	2.3	1.5	41	<0.1	0.2	<0.1	20	0.59



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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
171338	Rock	0.029	12	23	1.05	67	0.067	1	1.74	0.042	0.53	0.2	<0.01	4.3	0.2	0.72	5	<0.5	<0.2
171339	Rock	0.031	14	30	0.88	79	0.058	1	1.63	0.029	0.38	0.2	<0.01	3.9	0.2	0.75	5	<0.5	<0.2
171339A	Rock Pulp	0.042	7	31	0.15	165	0.007	2	0.36	0.039	0.17	5.8	3.73	1.0	<0.1	0.99	1	0.9	7.5
171339B	Rock Pulp	0.142	9	18	0.70	401	0.158	<1	1.66	0.178	0.90	8.7	0.02	3.4	0.3	<0.05	7	<0.5	<0.2



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QUALITY CONTROL REPORT

VAN12003758.1

Method	WGHT	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
REP G1	QC		<0.1	1.9	2.6	48	<0.1	3.8	4.6	589	1.84	0.7	<0.5	4.9	56	<0.1	<0.1	<0.1	33	0.50	
171316	Rock	1.62	2	0.2	13.5	11.2	72	0.3	39.1	18.4	944	3.53	59.5	12.0	4.5	8	<0.1	1.0	0.2	30	0.07
REP 171316	QC		0.1	13.7	11.3	72	0.2	40.6	18.5	923	3.52	60.1	12.9	5.1	8	<0.1	1.1	<0.1	30	0.07	
171330	Rock	1.23	<2	0.5	154.7	5.6	255	0.2	37.0	16.1	2182	4.68	10.2	6.9	6.0	21	0.5	1.5	0.8	28	0.60
REP 171330	QC		<2																		
171339	Rock	0.99	9	0.2	27.2	11.6	68	0.2	37.5	17.3	468	3.53	55.1	11.4	9.7	10	0.2	1.5	0.1	28	0.10
REP 171339	QC		10																		
Core Reject Duplicates																					
171303	Rock	1.19	<2	0.8	12.1	23.0	57	0.2	9.1	5.6	468	2.71	31.8	16.2	16.7	31	<0.1	1.5	<0.1	11	0.48
DUP 171303	QC	<0.01	<2	0.9	12.0	23.4	57	0.2	9.6	5.8	476	2.83	34.8	17.1	17.3	31	<0.1	1.7	<0.1	11	0.44
171335	Rock	1.35	5	0.4	24.7	11.9	123	0.2	89.0	23.2	686	4.85	11.1	6.2	3.3	12	0.2	0.4	<0.1	67	0.20
DUP 171335	QC	<0.01	6	0.3	26.5	13.8	135	0.2	102.6	27.0	745	5.26	12.7	8.2	3.9	13	0.2	0.4	<0.1	74	0.23
Reference Materials																					
STD DS9	Standard			13.8	110.7	133.4	322	1.9	41.3	8.1	591	2.35	28.0	114.2	7.4	77	2.5	6.3	6.6	38	0.73
STD DS9	Standard			13.0	105.6	122.4	311	1.8	41.2	7.3	568	2.24	25.9	121.2	6.2	74	2.0	5.4	6.2	38	0.71
STD OXD87	Standard		423																		
STD OXD87	Standard		398																		
STD OXD87	Standard		437																		
STD OXG99	Standard		984																		
STD OXG99	Standard		965																		
STD OXG99	Standard		945																		
STD OXG99	Standard		956																		
STD OXD87 Expected			417																		
STD OXG99 Expected			932																		
STD DS9 Expected			12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		



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Client: **Newmac Resources Inc.**
Suite 2000 - 1066 West Hastings Street
Vancouver BC V6E 3X2 Canada

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QUALITY CONTROL REPORT

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																			
REP G1	QC	0.079	9	8	0.59	238	0.114	<1	0.96	0.088	0.51	<0.1	<0.01	2.6	0.4	<0.05	5	<0.5	<0.2
171316	Rock	0.018	12	31	0.88	45	0.020	1	1.87	0.003	0.29	0.2	<0.01	2.7	0.2	0.54	6	<0.5	<0.2
REP 171316	QC	0.018	13	30	0.88	47	0.021	2	1.88	0.003	0.30	0.3	<0.01	2.7	0.2	0.54	6	<0.5	<0.2
171330	Rock	0.040	13	29	0.62	93	0.079	<1	1.46	0.015	0.34	0.2	<0.01	4.4	0.7	1.68	6	<0.5	<0.2
REP 171330	QC																		
171339	Rock	0.031	14	30	0.88	79	0.058	1	1.63	0.029	0.38	0.2	<0.01	3.9	0.2	0.75	5	<0.5	<0.2
REP 171339	QC																		
Core Reject Duplicates																			
171303	Rock	0.065	39	4	0.42	58	0.007	<1	1.13	0.003	0.31	<0.1	0.01	2.4	0.2	1.32	4	<0.5	<0.2
DUP 171303	QC	0.071	40	5	0.42	61	0.007	<1	1.14	0.003	0.31	<0.1	<0.01	2.3	0.2	1.39	4	<0.5	<0.2
171335	Rock	0.073	10	117	2.45	133	0.071	2	2.96	0.008	0.47	<0.1	<0.01	7.0	0.2	0.12	11	<0.5	<0.2
DUP 171335	QC	0.084	12	132	2.71	138	0.077	3	3.22	0.008	0.51	<0.1	<0.01	7.5	0.2	0.14	12	<0.5	<0.2
Reference Materials																			
STD DS9	Standard	0.088	14	125	0.62	323	0.118	<1	0.96	0.082	0.40	3.1	0.20	2.6	5.7	0.17	5	5.9	5.1
STD DS9	Standard	0.081	12	116	0.61	288	0.107	3	0.94	0.080	0.38	3.1	0.23	2.4	5.4	0.16	5	4.3	4.9
STD OXD87	Standard																		
STD OXD87	Standard																		
STD OXD87	Standard																		
STD OXG99	Standard																		
STD OXG99	Standard																		
STD OXG99	Standard																		
STD OXG99	Standard																		
STD OXD87 Expected																			
STD OXG99 Expected																			
STD DS9 Expected		0.0819	13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
BLK	Blank																		
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QUALITY CONTROL REPORT

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		WGHT	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
	Prep Wash																				
G1	Prep Blank	<0.01	<2	<0.1	2.1	2.5	47	<0.1	3.5	4.4	568	1.86	<0.5	0.6	4.9	54	<0.1	<0.1	<0.1	33	0.45
G1	Prep Blank	<0.01	<2																		
G1	Prep Blank			<0.1	1.7	2.7	46	<0.1	3.8	4.4	588	1.86	0.7	<0.5	4.7	56	<0.1	<0.1	<0.1	34	0.50



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: Newmac Resources Inc.
Suite 2000 - 1066 West Hastings Street
Vancouver BC V6E 3X2 Canada

Project: RAFT
Report Date: August 20, 2012

Page: 2 of 2

Part: 2 of 2

QUALITY CONTROL REPORT

VAN12003758.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
Prep Wash																				
G1	Prep Blank	0.078	9	8	0.56	227	0.110	<1	0.95	0.084	0.48	<0.1	<0.01	2.5	0.3	<0.05	5	<0.5	<0.2	
G1	Prep Blank																			
G1	Prep Blank	0.077	9	8	0.60	237	0.117	<1	0.96	0.084	0.50	<0.1	<0.01	2.5	0.3	<0.05	5	<0.5	<0.2	



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Client: Newmac Resources Inc.
Suite 2000 - 1066 West Hastings Street
Vancouver BC V6E 3X2 Canada

Submitted By: Andrea Yuan
Receiving Lab: Canada-Vancouver
Received: August 24, 2012
Report Date: August 31, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN12003758M.1

CLIENT JOB INFORMATION

Project: RAFT
Shipment ID:
P.O. Number
Number of Samples: 1

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT Dispose of Reject After 90 days

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

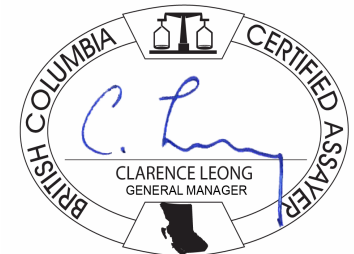
Invoice To: Newmac Resources Inc.
Suite 2000 - 1066 West Hastings Street
Vancouver BC V6E 3X2
Canada

CC: William A. Howell
David Bridge

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Contains 3 rows of sample analysis data.

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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

www.acmelab.com

Client: **Newmac Resources Inc.**
Suite 2000 - 1066 West Hastings Street
Vancouver BC V6E 3X2 Canada

Project: RAFT
Report Date: August 31, 2012

Page: 2 of 2

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN12003758M.1

Method	M150	G6.ME	G6.ME	G6.ME	G6.ME	
Analyte	TotWt	- Au	+ Wt	+ Au	Tot Au	
Unit	g	gm/t	g	mg	gm/t	
MDL	1	0.01	0.01	0.005	0.01	
171269	Rock	514	36.92	25.42	2.328	39.63



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

www.acmelab.com

Client: Newmac Resources Inc.
 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

Project: RAFT
Report Date: August 31, 2012

Page: 1 of 1

Part: 1 of 1

QUALITY CONTROL REPORT

VAN12003758M.1

Method	M150	G6.ME	G6.ME	G6.ME	G6.ME
Analyte	TotWt	- Au	+ Wt	+ Au	Tot Au
Unit	g	gm/t	g	mg	gm/t
MDL	1	0.01	0.01	0.005	0.01
Reference Materials					
STD SP49	Standard		30.01	0.545	
BLK	Blank		30.00	<0.005	
Prep Wash					
G1	Prep Blank	343	<0.01	24.01	<0.005 <0.01



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Client: Newmac Resources Inc.
Suite 2000 - 1066 West Hastings Street
Vancouver BC V6E 3X2 Canada

Submitted By: Andrea Yuan
Receiving Lab: Canada-Vancouver
Received: August 13, 2012
Report Date: August 27, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN12003759.1

CLIENT JOB INFORMATION

Project: RAFT
Shipment ID:
P.O. Number
Number of Samples: 26

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT Dispose of Reject After 90 days

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

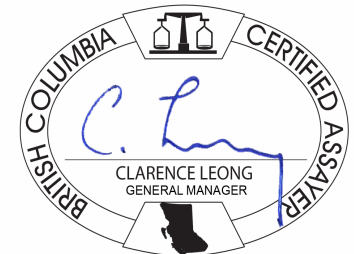
Invoice To: Newmac Resources Inc.
Suite 2000 - 1066 West Hastings Street
Vancouver BC V6E 3X2
Canada

CC: William A. Howell
David Bridge

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include R200-250, 3B01, and 1DX2.

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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

www.acmelab.com

Client: **Newmac Resources Inc.**
 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

Project: RAFT
 Report Date: August 27, 2012

Page: 2 of 2

Part: 1 of 2

CERTIFICATE OF ANALYSIS

VAN12003759.1

Method	WGHT	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
G1	Prep Blank	<0.01	<2	0.1	2.2	2.6	48	<0.1	3.8	4.4	566	1.91	<0.5	<0.5	4.3	47	<0.1	<0.1	<0.1	35	0.42
G1	Prep Blank	<0.01	<2	<0.1	2.2	2.3	46	<0.1	3.8	4.2	543	1.80	<0.5	2.4	3.8	49	<0.1	<0.1	<0.1	33	0.41
171275	Rock	0.98	<2	0.3	21.4	9.8	116	<0.1	50.4	23.0	843	5.33	1.0	1.5	8.2	11	<0.1	0.1	<0.1	64	0.08
171276	Rock	1.22	2	0.5	12.1	4.1	44	<0.1	15.5	6.6	291	1.80	3.0	1.7	4.4	5	<0.1	<0.1	<0.1	19	0.04
171277	Rock	1.02	<2	0.4	41.4	11.6	77	0.1	28.1	22.2	802	3.46	1.9	2.1	9.0	11	<0.1	0.2	0.2	39	0.08
171278	Rock	1.07	3	2.2	54.2	14.0	86	0.2	32.6	12.6	504	3.98	2.5	2.3	6.3	13	0.1	0.5	0.2	39	0.09
171279	Rock	1.00	<2	1.2	32.0	8.3	67	0.2	20.5	10.7	777	2.65	9.4	4.0	5.0	7	0.2	0.4	0.1	15	0.16
171280	Rock	1.17	<2	0.6	19.6	4.2	71	<0.1	23.9	10.7	401	2.84	1.8	0.7	4.7	4	<0.1	<0.1	<0.1	38	0.03
171281	Rock	1.21	<2	3.4	14.7	12.0	54	<0.1	10.8	5.8	358	2.27	2.1	1.8	14.2	8	<0.1	0.1	<0.1	34	0.06
171282	Rock	0.78	<2	0.3	45.3	8.5	52	0.1	17.4	8.7	402	2.65	4.8	2.6	10.1	9	<0.1	0.1	0.1	20	0.07
171283	Rock	0.60	<2	0.2	7.2	5.4	26	<0.1	8.4	3.4	201	1.15	1.5	0.7	7.3	4	<0.1	<0.1	0.1	10	0.04
171284	Rock	1.10	<2	0.3	10.6	4.5	29	<0.1	8.4	3.8	249	1.36	2.1	1.1	7.9	7	<0.1	<0.1	<0.1	16	0.07
171285	Rock	0.80	<2	0.3	12.6	5.3	45	<0.1	13.9	7.4	324	2.38	1.5	1.2	5.3	5	<0.1	<0.1	0.1	29	0.04
171285B	Rock	0.74	3	0.2	5.7	4.1	35	<0.1	9.7	4.8	257	1.34	5.8	3.0	6.5	4	<0.1	<0.1	0.1	15	0.04
171286	Rock	1.41	<2	0.7	151.2	9.0	72	0.2	26.0	21.1	461	5.49	2.3	1.2	6.1	10	0.1	<0.1	0.2	116	0.23
171287	Rock	0.77	<2	0.3	13.2	5.4	21	<0.1	6.2	3.4	142	1.06	2.2	1.3	5.2	5	<0.1	<0.1	<0.1	9	0.05
171288	Rock	0.81	<2	0.6	74.1	7.8	97	0.1	32.7	23.6	620	5.09	2.2	0.7	3.6	15	0.1	0.1	0.2	112	0.17
171289	Rock	1.32	<2	0.5	32.1	6.9	78	<0.1	23.2	17.9	529	4.07	1.2	2.5	3.3	31	<0.1	<0.1	<0.1	88	0.47
171289A	Rock Pulp	0.04	1289	742.4	3068	82.9	90	30.5	17.1	7.3	366	2.12	26.7	1294	1.0	257	3.4	75.1	2.1	14	1.16
171289B	Rock Pulp	0.03	5	8.4	33.5	1.1	81	<0.1	12.9	6.5	965	3.94	1.4	2.6	1.0	28	<0.1	0.2	<0.1	17	0.53
171290	Rock	1.03	<2	0.3	19.5	10.8	53	<0.1	19.8	10.4	420	2.13	1.4	1.3	12.6	8	<0.1	<0.1	0.1	19	0.07
171291	Rock	0.85	<2	0.3	13.9	7.6	32	<0.1	36.2	7.6	225	1.48	2.4	<0.5	10.1	12	<0.1	<0.1	<0.1	19	0.16
171292	Rock	1.28	<2	1.1	23.8	8.0	67	<0.1	34.9	13.4	557	3.35	4.3	0.8	6.2	11	<0.1	0.2	<0.1	44	0.10
171293	Rock	1.43	<2	0.3	35.5	5.4	53	<0.1	53.7	19.5	349	2.82	3.3	1.2	2.8	21	<0.1	<0.1	<0.1	38	0.29
171294	Rock	1.58	<2	1.5	16.5	5.8	30	<0.1	9.5	5.2	257	1.56	5.5	1.4	5.3	30	<0.1	0.5	<0.1	12	0.71
171295	Rock	1.16	29	2.1	21.2	11.1	67	0.4	18.6	12.7	553	3.27	92.6	32.2	8.0	74	<0.1	1.4	0.1	28	1.88
171296	Rock	1.18	<2	0.2	5.5	3.5	51	<0.1	2.0	10.0	2359	2.84	5.6	<0.5	2.4	552	<0.1	0.2	<0.1	72	14.74
171297	Rock	1.53	<2	0.4	30.2	4.7	105	<0.1	21.4	20.0	814	4.68	13.7	<0.5	2.2	112	0.2	0.4	0.2	120	2.53



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

www.acmelab.com

Client: **Newmac Resources Inc.**
 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

Project: RAFT
 Report Date: August 27, 2012

Page: 2 of 2

Part: 2 of 2

CERTIFICATE OF ANALYSIS

VAN12003759.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm		
MDL		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
G1	Prep Blank	0.075	8	8	0.58	221	0.095	2	0.89	0.070	0.47	<0.1	<0.01	2.0	0.3	<0.05	5	<0.5	<0.2	
G1	Prep Blank	0.075	7	8	0.56	204	0.093	2	0.94	0.081	0.47	<0.1	<0.01	2.0	0.3	<0.05	5	<0.5	<0.2	
171275	Rock	0.014	28	78	1.44	169	0.113	2	2.96	0.017	0.53	<0.1	<0.01	7.7	0.2	<0.05	11	<0.5	<0.2	
171276	Rock	0.009	9	23	0.68	92	0.067	1	1.08	0.023	0.51	1.2	<0.01	2.4	0.2	0.06	4	<0.5	<0.2	
171277	Rock	0.021	25	41	0.98	174	0.102	1	2.10	0.021	0.68	0.2	<0.01	6.2	0.3	<0.05	7	<0.5	<0.2	
171278	Rock	0.023	18	46	1.06	196	0.064	1	2.12	0.019	0.64	0.2	<0.01	3.3	0.4	0.06	7	1.3	<0.2	
171279	Rock	0.037	13	19	0.71	90	0.052	1	1.28	0.011	0.41	0.7	<0.01	2.4	0.1	0.08	4	<0.5	<0.2	
171280	Rock	0.009	10	38	0.89	190	0.139	1	1.73	0.023	0.98	<0.1	<0.01	4.5	0.3	0.12	6	<0.5	<0.2	
171281	Rock	0.018	34	21	0.62	174	0.082	1	1.29	0.032	0.48	0.2	<0.01	4.2	0.2	<0.05	6	<0.5	<0.2	
171282	Rock	0.024	23	23	0.69	68	0.026	2	1.42	0.027	0.28	<0.1	<0.01	2.8	0.1	<0.05	5	<0.5	<0.2	
171283	Rock	0.014	16	14	0.30	31	0.010	1	0.58	0.027	0.13	<0.1	<0.01	1.3	<0.1	<0.05	2	<0.5	<0.2	
171284	Rock	0.020	16	16	0.41	111	0.045	<1	0.75	0.026	0.27	<0.1	<0.01	2.1	0.1	<0.05	3	<0.5	<0.2	
171285	Rock	0.010	12	31	0.97	187	0.118	<1	1.72	0.030	0.95	<0.1	<0.01	5.2	0.3	<0.05	6	<0.5	<0.2	
171285B	Rock	0.009	12	21	0.46	37	0.029	<1	0.76	0.023	0.24	0.2	<0.01	1.8	0.1	<0.05	3	<0.5	<0.2	
171286	Rock	0.092	13	22	1.88	259	0.183	1	2.94	0.047	1.37	0.2	<0.01	11.8	0.4	0.37	10	<0.5	<0.2	
171287	Rock	0.017	12	12	0.28	84	0.013	<1	0.70	0.024	0.27	0.1	<0.01	1.7	0.1	<0.05	2	<0.5	<0.2	
171288	Rock	0.050	10	31	1.80	336	0.113	2	3.00	0.016	0.94	<0.1	<0.01	12.0	0.4	0.07	8	<0.5	<0.2	
171289	Rock	0.038	9	41	1.46	294	0.143	1	2.77	0.082	1.27	<0.1	<0.01	10.6	0.4	0.10	9	<0.5	<0.2	
171289A	Rock Pulp	0.040	7	30	0.14	183	0.005	<1	0.29	0.037	0.17	5.3	3.58	0.7	<0.1	0.96	1	0.5	7.4	
171289B	Rock Pulp	0.126	6	18	0.64	365	0.126	<1	1.39	0.130	0.84	6.3	<0.01	2.8	0.3	<0.05	6	<0.5	<0.2	
171290	Rock	0.019	29	23	0.70	90	0.041	<1	1.37	0.022	0.48	<0.1	<0.01	2.1	0.2	0.07	4	<0.5	<0.2	
171291	Rock	0.027	31	59	0.73	87	0.027	<1	1.03	0.047	0.29	0.1	<0.01	2.7	0.1	<0.05	3	<0.5	<0.2	
171292	Rock	0.017	17	50	1.14	200	0.143	<1	2.23	0.021	1.12	0.1	<0.01	5.2	0.4	<0.05	7	<0.5	<0.2	
171293	Rock	0.041	9	85	1.35	101	0.063	1	1.81	0.045	0.37	0.3	<0.01	4.0	0.2	0.12	5	<0.5	<0.2	
171294	Rock	0.015	16	13	0.39	45	0.011	<1	0.75	0.016	0.15	<0.1	<0.01	1.2	<0.1	0.22	2	<0.5	<0.2	
171295	Rock	0.084	25	16	0.88	121	0.017	1	1.57	0.012	0.31	0.1	<0.01	3.4	0.2	0.80	5	<0.5	<0.2	
171296	Rock	0.156	28	12	1.30	112	0.025	<1	1.77	0.012	0.27	<0.1	<0.01	6.4	0.1	<0.05	6	<0.5	<0.2	
171297	Rock	0.246	21	33	1.94	357	0.115	<1	2.61	0.087	0.59	0.3	<0.01	10.2	0.2	0.42	10	<0.5	<0.2	



Acme Analytical Laboratories (Vancouver) Ltd.

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

www.acmelab.com

Client: **Newmac Resources Inc.**
Suite 2000 - 1066 West Hastings Street
Vancouver BC V6E 3X2 Canada

Project: RAFT
Report Date: August 27, 2012

Page: 1 of 1

Part: 1 of 2

QUALITY CONTROL REPORT

VAN12003759.1

Method	WGHT	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
171283	Rock	0.60	<2	0.2	7.2	5.4	26	<0.1	8.4	3.4	201	1.15	1.5	0.7	7.3	4	<0.1	<0.1	0.1	10	0.04
REP 171283	QC			0.2	6.8	5.3	25	<0.1	8.2	3.3	199	1.15	1.2	1.2	7.2	4	<0.1	<0.1	0.1	10	0.04
171290	Rock	1.03	<2	0.3	19.5	10.8	53	<0.1	19.8	10.4	420	2.13	1.4	1.3	12.6	8	<0.1	<0.1	0.1	19	0.07
REP 171290	QC		<2																		
Core Reject Duplicates																					
171284	Rock	1.10	<2	0.3	10.6	4.5	29	<0.1	8.4	3.8	249	1.36	2.1	1.1	7.9	7	<0.1	<0.1	<0.1	16	0.07
DUP 171284	QC	<0.01	<2	0.5	11.6	4.4	28	<0.1	7.7	3.8	239	1.37	1.9	<0.5	7.9	6	<0.1	<0.1	<0.1	16	0.08
Reference Materials																					
STD DS9	Standard			11.8	104.1	119.0	302	1.8	38.8	7.4	555	2.21	24.3	104.0	5.6	63	2.4	5.0	6.3	39	0.68
STD OXD87	Standard		428																		
STD OXD87	Standard		427																		
STD OXG99	Standard		1001																		
STD OXG99	Standard		988																		
STD OXG99 Expected			932																		
STD OXD87 Expected			417																		
STD DS9 Expected			12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		4																		
BLK	Blank		<2																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1	Prep Blank	<0.01	<2	0.1	2.2	2.6	48	<0.1	3.8	4.4	566	1.91	<0.5	<0.5	4.3	47	<0.1	<0.1	<0.1	35	0.42
G1	Prep Blank	<0.01	<2	<0.1	2.2	2.3	46	<0.1	3.8	4.2	543	1.80	<0.5	2.4	3.8	49	<0.1	<0.1	<0.1	33	0.41



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

www.acmelab.com

Client: **Newmac Resources Inc.**
 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

Project: RAFT
 Report Date: August 27, 2012

Page: 1 of 1

Part: 2 of 2

QUALITY CONTROL REPORT

VAN12003759.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																				
171283	Rock	0.014	16	14	0.30	31	0.010	1	0.58	0.027	0.13	<0.1	<0.01	1.3	<0.1	<0.05	2	<0.5	<0.2	
REP 171283	QC	0.014	16	14	0.30	31	0.010	1	0.58	0.027	0.13	<0.1	<0.01	1.3	<0.1	<0.05	2	<0.5	<0.2	
171290	Rock	0.019	29	23	0.70	90	0.041	<1	1.37	0.022	0.48	<0.1	<0.01	2.1	0.2	0.07	4	<0.5	<0.2	
REP 171290	QC																			
Core Reject Duplicates																				
171284	Rock	0.020	16	16	0.41	111	0.045	<1	0.75	0.026	0.27	<0.1	<0.01	2.1	0.1	<0.05	3	<0.5	<0.2	
DUP 171284	QC	0.019	16	16	0.41	110	0.045	1	0.74	0.025	0.26	<0.1	<0.01	2.1	0.1	<0.05	3	<0.5	<0.2	
Reference Materials																				
STD DS9	Standard	0.081	11	118	0.59	268	0.094	3	0.89	0.080	0.39	2.7	0.20	2.2	5.1	0.15	4	4.8	5.1	
STD OXD87	Standard																			
STD OXD87	Standard																			
STD OXG99	Standard																			
STD OXG99	Standard																			
STD OXG99 Expected																				
STD OXD87 Expected																				
STD DS9 Expected		0.0819	13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02	
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank	<0.001	<1	1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
Prep Wash																				
G1	Prep Blank	0.075	8	8	0.58	221	0.095	2	0.89	0.070	0.47	<0.1	<0.01	2.0	0.3	<0.05	5	<0.5	<0.2	
G1	Prep Blank	0.075	7	8	0.56	204	0.093	2	0.94	0.081	0.47	<0.1	<0.01	2.0	0.3	<0.05	5	<0.5	<0.2	



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Client: Newmac Resources Inc.
Suite 2000 - 1066 West Hastings Street
Vancouver BC V6E 3X2 Canada

Submitted By: Andrea Yuan
Receiving Lab: Canada-Vancouver
Received: August 13, 2012
Report Date: August 20, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN12003760.1

CLIENT JOB INFORMATION

Project: RAFT
Shipment ID:
P.O. Number
Number of Samples: 3

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

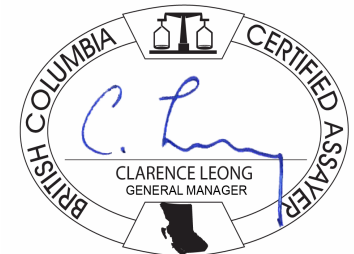
Invoice To: Newmac Resources Inc.
Suite 2000 - 1066 West Hastings Street
Vancouver BC V6E 3X2
Canada

CC: William A. Howell
David Bridge

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include methods like Dry at 60C, SS80, 3B01, 1DX2 with their respective sample counts and descriptions.

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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

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Client: Newmac Resources Inc.
 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

Project: RAFT
Report Date: August 20, 2012

Page: 2 of 2

Part: 1 of 2

CERTIFICATE OF ANALYSIS

VAN12003760.1

Method	Analyte	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
171307	Soil	6	0.7	51.2	25.2	117	<0.1	45.4	19.2	833	3.45	30.2	4.2	9.5	12	<0.1	0.7	1.1	36	0.13	0.058
171252	Soil	23	1.6	69.2	37.7	117	0.2	35.1	19.4	906	3.87	87.7	20.6	12.6	17	0.1	1.4	0.6	40	0.23	0.080
171253	Soil	21	1.1	62.9	22.8	111	0.2	34.7	18.2	637	3.81	85.8	24.8	10.5	18	0.1	1.1	0.4	42	0.23	0.081



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

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 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

Project: RAFT
Report Date: August 20, 2012

Page: 2 of 2

Part: 2 of 2

CERTIFICATE OF ANALYSIS

VAN12003760.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
171307	Soil	25	40	1.00	91	0.068	2	1.71	0.008	0.32	3.4	<0.01	3.8	0.2	<0.05	6	<0.5	<0.2
171252	Soil	32	41	1.03	132	0.062	<1	1.71	0.008	0.28	0.8	<0.01	4.9	0.2	<0.05	7	<0.5	<0.2
171253	Soil	29	39	1.03	144	0.070	<1	1.73	0.008	0.28	0.7	<0.01	4.5	0.2	<0.05	6	<0.5	<0.2



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Client: Newmac Resources Inc.
 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

Project: RAFT
Report Date: August 20, 2012

Page: 1 of 1

Part: 1 of 2

QUALITY CONTROL REPORT

VAN12003760.1

Method	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
171253	Soil	21	1.1	62.9	22.8	111	0.2	34.7	18.2	637	3.81	85.8	24.8	10.5	18	0.1	1.1	0.4	42	0.23	0.081
REP 171253	QC		1.2	62.7	22.8	111	0.2	33.4	18.2	649	3.79	85.5	17.6	10.9	18	0.1	1.0	0.4	42	0.24	0.080
Reference Materials																					
STD DS9	Standard		13.0	106.7	123.4	306	1.8	40.0	7.3	572	2.31	25.9	117.7	6.1	78	2.4	6.0	6.7	40	0.72	0.089
STD OXA71	Standard	80																			
STD OXA71	Standard	78																			
STD OXA71 Expected		84.9																			
STD DS9 Expected			12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

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Client: **Newmac Resources Inc.**
Suite 2000 - 1066 West Hastings Street
Vancouver BC V6E 3X2 Canada

Project: RAFT
Report Date: August 20, 2012

Page: 1 of 1

Part: 2 of 2

QUALITY CONTROL REPORT

VAN12003760.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
171253	Soil	29	39	1.03	144	0.070	<1	1.73	0.008	0.28	0.7	<0.01	4.5	0.2	<0.05	6	<0.5	<0.2
REP 171253	QC	29	38	1.04	142	0.070	<1	1.73	0.009	0.28	0.7	<0.01	4.8	0.2	<0.05	6	<0.5	<0.2
Reference Materials																		
STD DS9	Standard	13	116	0.63	304	0.110	3	0.99	0.108	0.38	3.0	0.23	3.2	5.4	0.16	5	4.4	5.7
STD OXA71	Standard																	
STD OXA71	Standard																	
STD OXA71 Expected																		
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
BLK	Blank																	
BLK	Blank																	
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Client: Newmac Resources Inc.
Suite 2000 - 1066 West Hastings Street
Vancouver BC V6E 3X2 Canada

Submitted By: Andrea Yuan
Receiving Lab: Canada-Vancouver
Received: August 13, 2012
Report Date: August 21, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN12003762.1

CLIENT JOB INFORMATION

Project: RAFT
Shipment ID:
P.O. Number
Number of Samples: 2

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

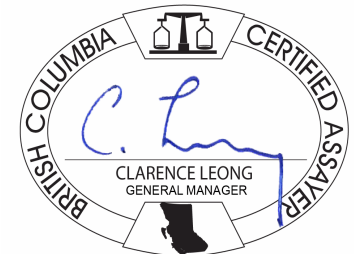
Invoice To: Newmac Resources Inc.
Suite 2000 - 1066 West Hastings Street
Vancouver BC V6E 3X2
Canada

CC: William A. Howell
David Bridge

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include methods like Dry at 60C, SS80, 3B01, 1DX2 with their respective sample counts and test results.

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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

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Client: Newmac Resources Inc.
 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

Project: RAFT
Report Date: August 21, 2012

Page: 2 of 2

Part: 1 of 2

CERTIFICATE OF ANALYSIS

VAN12003762.1

Method	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
121298	Soil	22	0.6	39.0	15.2	93	0.1	33.7	16.3	745	3.69	68.6	125.8	9.5	23	<0.1	0.7	0.5	51	0.33	0.101
121299	Soil	17	0.8	48.2	20.5	99	<0.1	38.8	18.8	750	3.65	56.5	12.4	11.0	18	<0.1	0.9	0.4	44	0.23	0.084



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 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

Project: RAFT
Report Date: August 21, 2012

Page: 2 of 2

Part: 2 of 2

CERTIFICATE OF ANALYSIS

VAN12003762.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
121298	Soil	28	37	1.14	216	0.082	2	1.84	0.009	0.30	0.8	<0.01	5.5	0.2	<0.05	7	<0.5	<0.2
121299	Soil	30	39	1.06	151	0.067	2	1.80	0.009	0.27	1.1	<0.01	4.7	0.2	<0.05	6	<0.5	<0.2



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

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 Vancouver BC V6E 3X2 Canada

Project: RAFT
Report Date: August 21, 2012

Page: 1 of 1

Part: 1 of 2

QUALITY CONTROL REPORT

VAN12003762.1

Method	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Reference Materials																				
STD DS9	Standard	13.0	106.7	123.4	306	1.8	40.0	7.3	572	2.31	25.9	117.7	6.1	78	2.4	6.0	6.7	40	0.72	0.089
STD OXA71	Standard	88																		
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
STD OXA71 Expected		84.9																		
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<2																		
BLK	Blank	<2																		



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1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

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Suite 2000 - 1066 West Hastings Street
Vancouver BC V6E 3X2 Canada

Project: RAFT
Report Date: August 21, 2012

Page: 1 of 1

Part: 2 of 2

QUALITY CONTROL REPORT

VAN12003762.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Reference Materials																		
STD DS9	Standard	13	116	0.63	304	0.110	3	0.99	0.108	0.38	3.0	0.23	3.2	5.4	0.16	5	4.4	5.7
STD OXA71	Standard																	
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
STD OXA71 Expected																		
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank																	
BLK	Blank																	



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Acme Analytical Laboratories (Vancouver) Ltd.

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Client: Newmac Resources Inc.
Suite 2000 - 1066 West Hastings Street
Vancouver BC V6E 3X2 Canada

Submitted By: Andrea Yuan
Receiving Lab: Canada-Vancouver
Received: August 15, 2012
Report Date: August 23, 2012
Page: 1 of 3

CERTIFICATE OF ANALYSIS

VAN12003814.1

CLIENT JOB INFORMATION

Project: RAFT
Shipment ID:
P.O. Number
Number of Samples: 54

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT Dispose of Reject After 90 days

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

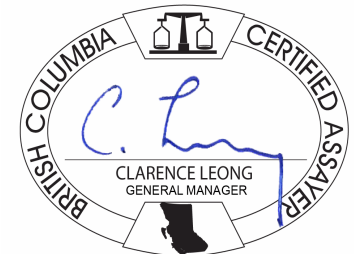
Invoice To: Newmac Resources Inc.
Suite 2000 - 1066 West Hastings Street
Vancouver BC V6E 3X2
Canada

CC: William A. Howell
David Bridge

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include R200-250, 3B01, and 1DX2.

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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

www.acmelab.com

Client: **Newmac Resources Inc.**
 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

Project: RAFT
 Report Date: August 23, 2012

Page: 2 of 3

Part: 1 of 2

CERTIFICATE OF ANALYSIS

VAN12003814.1

Method	WGHT	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
G1	Prep Blank	<0.01	<2	<0.1	4.0	4.6	65	<0.1	6.1	6.0	563	2.02	2.0	<0.5	4.5	55	<0.1	<0.1	<0.1	40	0.48
G1	Prep Blank	<0.01	<2	0.2	1.8	2.5	45	<0.1	3.7	4.2	564	1.89	<0.5	<0.5	4.6	51	<0.1	<0.1	<0.1	36	0.48
171351	Rock	1.13	<2	0.8	20.9	6.9	101	<0.1	8.5	12.0	665	4.14	<0.5	<0.5	17.3	31	<0.1	0.1	<0.1	81	0.59
171352	Rock	1.27	<2	0.6	17.8	2.7	83	<0.1	4.9	12.0	669	4.18	1.8	<0.5	8.4	50	<0.1	0.1	0.1	123	0.79
171353	Rock	1.45	<2	0.4	14.2	3.4	113	<0.1	13.9	15.8	913	4.65	2.0	<0.5	5.8	43	<0.1	0.1	<0.1	134	0.74
171354	Rock	0.89	<2	0.2	15.3	2.3	87	<0.1	10.1	16.5	748	4.38	1.2	<0.5	3.8	54	0.1	0.1	<0.1	131	0.90
171355	Rock	1.00	<2	1.3	24.4	4.3	78	<0.1	13.9	15.4	594	3.97	1.8	<0.5	7.7	37	<0.1	0.2	<0.1	104	0.58
171356	Rock	1.14	<2	3.6	14.1	11.1	47	<0.1	10.0	5.1	391	2.06	2.0	<0.5	21.6	13	<0.1	0.2	<0.1	17	0.13
171362	Rock	1.43	13	4.1	155.7	7.1	63	<0.1	14.4	22.2	603	4.54	3.1	12.0	6.4	21	0.2	0.1	<0.1	146	1.12
171363	Rock	1.41	3	0.6	78.8	5.4	62	0.3	44.1	20.0	899	4.35	1.4	1.3	1.2	68	0.1	0.2	0.1	17	0.54
171366	Rock	1.43	<2	0.3	14.2	3.6	96	<0.1	9.0	15.7	688	4.37	8.2	<0.5	5.4	57	<0.1	0.3	<0.1	140	0.94
171368	Rock	1.08	14	1.6	100.3	13.2	117	0.3	38.9	35.0	1204	7.68	38.3	9.1	7.9	25	0.1	1.8	0.2	220	0.42
171369	Rock	1.46	31	0.6	10.5	8.0	21	0.3	3.8	3.3	262	2.90	95.3	27.3	7.4	4	<0.1	1.7	<0.1	29	0.03
171370	Rock	1.53	<2	0.3	18.5	6.1	81	<0.1	39.7	17.2	727	3.47	0.7	<0.5	9.9	13	<0.1	<0.1	<0.1	40	0.13
171370A	Rock Pulp	0.05	1146	846.8	3100	81.2	93	30.6	18.0	7.7	393	2.34	26.9	1193	1.0	262	3.7	77.1	1.6	16	1.24
171370B	Rock Pulp	0.05	4	8.5	42.3	1.1	84	0.1	14.6	6.8	999	4.08	1.2	2.0	1.3	32	<0.1	0.2	<0.1	19	0.56
171371	Rock	1.12	3	0.8	38.9	3.6	71	0.1	31.6	10.8	577	3.59	2.2	1.9	8.4	11	<0.1	0.1	<0.1	44	0.11
171372	Rock	1.03	<2	0.4	5.0	4.1	53	<0.1	31.7	3.4	402	2.38	0.8	0.7	19.7	12	<0.1	<0.1	<0.1	56	0.08
171373	Rock	0.95	3	0.6	13.7	5.2	53	<0.1	22.7	9.6	450	2.92	13.7	2.2	7.9	8	<0.1	0.2	<0.1	36	0.06
171374	Rock	1.39	4	1.0	48.4	7.0	88	0.1	240.0	32.3	1230	3.99	19.5	3.6	4.0	13	0.1	1.0	0.1	37	0.13
171375	Rock	1.12	5	1.9	73.3	10.4	122	0.2	95.2	26.4	833	4.69	23.6	4.8	10.3	28	0.2	0.5	0.1	99	0.41
171376	Rock	0.89	2	1.6	57.1	9.1	65	0.1	11.9	13.3	453	3.84	2.8	<0.5	9.2	10	<0.1	0.4	<0.1	63	0.17
171378	Rock	1.12	5	0.5	54.7	17.5	83	0.2	37.2	15.4	471	3.01	31.3	2.3	7.9	21	0.1	0.4	0.2	35	0.49
171379	Rock	1.19	9	0.8	44.3	14.9	83	0.2	39.5	15.3	399	3.11	33.7	16.4	8.3	14	0.2	0.5	0.3	34	0.19
171380	Rock	1.06	4	1.0	19.8	9.3	39	<0.1	11.6	6.3	306	2.53	3.3	<0.5	18.8	9	<0.1	0.1	<0.1	23	0.07
171381	Rock	1.46	9	0.7	14.9	17.9	57	0.2	22.3	12.8	359	2.78	39.6	9.3	10.4	6	<0.1	1.1	<0.1	10	0.05
171382	Rock	1.48	2	0.4	15.8	5.3	55	<0.1	23.8	10.5	533	2.48	2.9	<0.5	7.1	10	<0.1	0.1	<0.1	38	0.04
171383	Rock	1.11	4	1.0	108.5	5.4	99	0.1	20.1	33.0	1219	6.10	5.6	<0.5	5.5	13	<0.1	0.2	<0.1	180	0.30
171384	Rock	1.09	2	0.3	46.2	4.9	97	<0.1	31.0	21.7	825	5.04	1.8	<0.5	4.9	13	<0.1	0.1	<0.1	112	0.16
171385	Rock	0.93	3	0.7	34.2	5.6	60	<0.1	34.8	15.1	504	3.00	7.6	0.7	5.9	13	<0.1	0.3	<0.1	49	0.21

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

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Client: **Newmac Resources Inc.**
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 Vancouver BC V6E 3X2 Canada

Project: RAFT
 Report Date: August 23, 2012

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CERTIFICATE OF ANALYSIS

VAN12003814.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
G1	Prep Blank	0.070	8	19	0.71	202	0.112	1	1.11	0.089	0.49	<0.1	0.01	3.2	0.4	<0.05	5	<0.5	<0.2
G1	Prep Blank	0.077	10	8	0.56	222	0.128	<1	0.95	0.094	0.50	<0.1	<0.01	2.1	0.4	<0.05	5	<0.5	<0.2
171351	Rock	0.231	134	8	1.06	306	0.034	2	2.39	0.060	0.35	<0.1	<0.01	6.9	0.2	0.05	7	<0.5	<0.2
171352	Rock	0.220	41	7	1.29	598	0.230	<1	1.98	0.127	0.74	0.1	<0.01	6.6	0.3	0.22	8	<0.5	<0.2
171353	Rock	0.243	37	16	1.86	617	0.220	<1	2.60	0.091	0.93	0.1	<0.01	12.6	0.3	0.09	10	<0.5	<0.2
171354	Rock	0.232	25	13	1.86	559	0.236	<1	2.28	0.104	0.60	0.4	<0.01	10.5	0.2	0.13	9	<0.5	<0.2
171355	Rock	0.141	29	28	1.41	674	0.251	<1	2.05	0.093	0.98	<0.1	<0.01	8.7	0.3	0.18	8	<0.5	<0.2
171356	Rock	0.032	69	12	0.52	118	0.016	<1	1.36	0.030	0.31	<0.1	<0.01	3.2	0.1	<0.05	4	<0.5	<0.2
171362	Rock	0.152	21	12	0.94	128	0.086	1	1.59	0.153	0.23	0.2	<0.01	7.5	0.1	0.14	6	<0.5	<0.2
171363	Rock	0.007	5	48	1.13	66	0.161	1	2.26	0.124	0.53	3.4	<0.01	3.4	0.3	1.79	6	<0.5	<0.2
171366	Rock	0.248	34	6	1.59	555	0.219	<1	2.21	0.111	0.85	<0.1	<0.01	8.8	0.3	0.20	9	<0.5	<0.2
171368	Rock	0.122	28	72	1.93	267	0.176	1	3.61	0.036	1.05	0.2	<0.01	17.8	0.4	0.22	12	<0.5	<0.2
171369	Rock	0.033	18	11	0.44	75	0.005	<1	1.21	0.005	0.23	0.1	<0.01	2.9	0.1	<0.05	4	<0.5	<0.2
171370	Rock	0.019	21	44	1.21	224	0.171	<1	2.29	0.041	1.18	<0.1	<0.01	5.4	0.4	0.12	8	<0.5	<0.2
171370A	Rock Pulp	0.041	7	34	0.16	163	0.006	<1	0.36	0.041	0.18	5.6	3.34	0.8	<0.1	1.04	2	<0.5	6.9
171370B	Rock Pulp	0.128	8	19	0.65	379	0.155	<1	1.52	0.166	0.88	7.8	<0.01	3.0	0.3	<0.05	6	<0.5	<0.2
171371	Rock	0.007	14	56	0.89	176	0.182	<1	1.69	0.037	0.90	<0.1	0.03	4.7	0.3	0.70	6	<0.5	<0.2
171372	Rock	0.005	25	64	0.89	187	0.163	<1	1.74	0.028	0.75	<0.1	0.01	3.3	0.3	0.07	7	<0.5	<0.2
171373	Rock	0.021	19	41	0.87	249	0.123	<1	1.82	0.024	0.87	0.2	<0.01	4.9	0.3	0.07	7	<0.5	<0.2
171374	Rock	0.023	11	295	1.94	89	0.015	<1	1.74	0.007	0.18	<0.1	<0.01	4.6	0.3	0.43	6	0.5	<0.2
171375	Rock	0.083	25	84	1.63	224	0.038	<1	2.61	0.032	0.41	0.2	<0.01	10.4	0.2	0.25	8	<0.5	<0.2
171376	Rock	0.068	26	16	0.94	238	0.111	1	2.24	0.026	0.76	0.1	<0.01	8.3	0.3	0.11	7	<0.5	<0.2
171378	Rock	0.042	18	46	1.07	100	0.049	1	1.74	0.024	0.39	0.3	<0.01	3.5	0.2	0.23	6	<0.5	<0.2
171379	Rock	0.039	20	46	0.99	102	0.047	<1	1.78	0.026	0.41	0.6	<0.01	3.4	0.2	0.23	6	<0.5	<0.2
171380	Rock	0.030	56	19	0.54	131	0.042	<1	1.39	0.034	0.35	0.2	<0.01	3.5	0.1	<0.05	5	<0.5	<0.2
171381	Rock	0.023	26	13	0.61	42	0.001	2	1.30	0.002	0.26	0.1	<0.01	2.1	0.1	0.22	3	0.6	<0.2
171382	Rock	0.011	17	40	0.70	166	0.112	<1	1.46	0.024	0.64	<0.1	<0.01	4.4	0.3	0.19	5	<0.5	<0.2
171383	Rock	0.094	11	61	1.95	352	0.472	<1	3.16	0.079	2.20	0.3	<0.01	19.5	0.6	0.54	11	<0.5	<0.2
171384	Rock	0.043	12	63	1.63	445	0.322	<1	3.02	0.040	1.74	0.1	<0.01	12.4	0.7	0.24	11	<0.5	<0.2
171385	Rock	0.056	17	59	0.95	285	0.151	<1	1.85	0.039	0.82	0.1	<0.01	4.3	0.3	0.09	7	<0.5	<0.2

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Project: RAFT
 Report Date: August 23, 2012

Page: 3 of 3

Part: 1 of 2

CERTIFICATE OF ANALYSIS

VAN12003814.1

Method	WGHT	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
171386	Rock	1.16	4	0.5	62.1	4.1	60	0.2	37.0	40.6	623	3.91	1.2	<0.5	6.2	34	<0.1	0.2	0.2	51	0.24
171387	Rock	0.99	2	0.2	2.5	9.7	37	<0.1	4.4	2.8	411	1.90	1.3	1.4	23.3	17	<0.1	<0.1	<0.1	18	0.16
171388	Rock	1.05	2	1.2	17.7	7.2	115	<0.1	15.2	19.5	1468	4.19	2.5	3.9	7.7	18	0.1	0.2	0.1	112	0.25
171389	Rock	1.09	3	0.3	16.3	17.5	117	<0.1	18.2	12.1	643	2.86	2.1	1.8	4.7	11	1.5	0.2	<0.1	47	0.09
171390A	Rock Pulp	0.05	1092	814.8	3138	80.1	92	30.9	18.0	7.6	385	2.23	26.5	1296	1.0	249	2.5	71.0	2.0	15	1.18
171390B	Rock Pulp	0.05	5	8.8	36.5	1.3	88	<0.1	15.1	7.0	1027	4.14	1.3	1.3	1.4	37	<0.1	0.3	<0.1	21	0.57
171401	Rock	1.37	3	3.1	11.5	6.5	49	<0.1	8.4	5.6	348	2.39	1.1	1.5	17.4	15	<0.1	<0.1	<0.1	32	0.07
171402	Rock	1.60	3	6.0	14.6	6.2	39	<0.1	8.6	5.2	294	2.25	1.5	2.3	13.9	11	<0.1	0.2	<0.1	25	0.05
171403	Rock	1.25	3	4.2	94.3	8.3	78	0.1	16.9	12.8	550	4.81	2.7	<0.5	6.9	13	<0.1	0.4	0.3	137	0.09
171404	Rock	1.12	2	3.1	46.9	7.1	74	<0.1	35.2	15.2	426	2.99	2.1	<0.5	8.7	10	<0.1	0.2	<0.1	40	0.06
171405	Rock	1.02	2	2.4	42.6	8.1	119	<0.1	33.2	16.5	699	4.91	1.7	1.5	20.3	12	<0.1	<0.1	0.1	73	0.06
171406	Rock	1.06	2	5.4	54.6	6.1	77	0.1	40.5	18.9	540	5.10	1.3	0.9	12.2	11	<0.1	0.3	<0.1	83	0.04
171407	Rock	1.36	3	1.6	79.2	4.0	112	0.2	55.6	26.1	576	5.93	0.6	<0.5	2.9	14	<0.1	<0.1	<0.1	130	0.06
171408	Rock	1.44	2	1.3	51.6	4.5	88	<0.1	51.4	21.9	477	4.29	0.8	<0.5	2.9	10	<0.1	<0.1	<0.1	86	0.05
171409	Rock	1.34	3	1.6	39.5	3.6	61	0.1	21.5	9.7	444	3.81	1.2	1.1	5.1	9	<0.1	0.3	<0.1	68	0.05
171410	Rock	1.49	<2	6.2	45.2	3.0	55	<0.1	35.0	16.1	419	3.49	<0.5	<0.5	5.2	5	<0.1	0.1	<0.1	52	0.03
171411	Rock	1.18	3	2.4	62.0	4.0	70	<0.1	40.3	19.0	584	3.98	<0.5	<0.5	7.7	10	<0.1	<0.1	<0.1	61	0.05
171412	Rock	1.63	5	4.4	198.8	5.2	79	0.4	50.6	45.3	513	8.33	1.3	3.5	3.9	5	<0.1	0.4	0.3	140	0.03
171413	Rock	1.19	6	2.1	143.0	5.5	90	0.2	76.2	32.9	664	6.36	0.8	1.1	4.7	19	<0.1	0.3	0.2	115	0.13
171414	Rock	1.21	7	4.4	19.4	8.3	98	<0.1	36.9	18.7	964	4.12	0.9	3.4	2.2	11	0.2	<0.1	<0.1	96	0.25
171415	Rock	1.61	3	0.3	68.4	11.7	144	<0.1	59.8	34.2	1178	6.57	2.7	0.8	4.1	14	0.2	0.2	<0.1	102	0.08
171416	Rock	1.11	3	0.5	14.7	5.8	106	<0.1	31.7	15.4	853	3.97	<0.5	<0.5	5.2	8	0.1	<0.1	<0.1	60	0.04
171417	Rock	1.23	3	0.7	16.8	4.3	61	<0.1	29.0	11.6	471	3.23	2.4	1.6	4.5	6	<0.1	0.1	<0.1	36	0.02
171418	Rock	1.71	2	<0.1	12.4	5.5	99	<0.1	41.0	16.8	626	4.09	0.6	<0.5	5.7	12	<0.1	<0.1	<0.1	45	0.05
171419A	Rock Pulp	0.05	1145	818.5	3248	84.1	94	31.2	17.5	7.7	389	2.24	28.0	1276	1.0	273	3.3	79.3	2.1	16	1.20
171419B	Rock Pulp	0.05	7	9.4	35.8	1.2	88	<0.1	14.4	6.7	1021	4.19	1.3	4.8	1.4	39	<0.1	0.3	<0.1	20	0.58



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

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Client: **Newmac Resources Inc.**
 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

Project: RAFT
 Report Date: August 23, 2012

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CERTIFICATE OF ANALYSIS

VAN12003814.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
171386	Rock	0.026	14	67	1.06	98	0.179	<1	2.11	0.083	1.01	<0.1	<0.01	6.0	0.4	1.58	8	<0.5	<0.2
171387	Rock	0.055	71	5	0.40	119	0.032	1	1.05	0.035	0.24	<0.1	<0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
171388	Rock	0.056	17	68	1.69	267	0.227	<1	2.43	0.080	1.24	0.2	<0.01	16.8	0.4	0.24	10	<0.5	<0.2
171389	Rock	0.017	11	46	0.92	203	0.142	<1	1.83	0.036	0.90	0.1	<0.01	7.6	0.3	0.09	6	<0.5	<0.2
171390A	Rock Pulp	0.038	6	31	0.13	115	0.006	<1	0.33	0.038	0.17	5.3	3.35	0.8	<0.1	0.99	1	0.6	7.9
171390B	Rock Pulp	0.136	8	19	0.70	375	0.163	<1	1.62	0.173	0.89	7.6	<0.01	2.9	0.3	<0.05	7	<0.5	<0.2
171401	Rock	0.015	48	15	0.64	303	0.131	<1	1.43	0.057	0.64	0.1	<0.01	4.5	0.2	<0.05	6	<0.5	<0.2
171402	Rock	0.017	42	11	0.51	201	0.072	<1	1.26	0.044	0.42	<0.1	<0.01	3.9	0.2	<0.05	5	<0.5	<0.2
171403	Rock	0.052	19	21	0.89	376	0.174	<1	2.05	0.025	0.92	0.2	<0.01	10.8	0.5	0.22	8	0.6	<0.2
171404	Rock	0.019	24	44	0.93	275	0.151	<1	1.72	0.042	0.77	<0.1	<0.01	4.6	0.3	0.12	6	<0.5	<0.2
171405	Rock	0.019	36	71	1.75	417	0.165	<1	3.04	0.039	1.07	<0.1	<0.01	6.9	0.4	0.14	11	<0.5	<0.2
171406	Rock	0.011	24	85	1.56	341	0.181	<1	2.90	0.039	0.88	<0.1	<0.01	8.5	0.3	0.30	11	<0.5	0.3
171407	Rock	0.007	12	130	1.94	537	0.184	<1	4.26	0.055	1.82	<0.1	<0.01	13.0	0.6	0.32	14	<0.5	0.3
171408	Rock	0.008	10	100	1.45	452	0.112	<1	3.25	0.035	1.10	<0.1	<0.01	8.5	0.4	0.21	11	<0.5	<0.2
171409	Rock	0.007	16	75	1.16	373	0.109	<1	2.50	0.024	0.86	0.1	<0.01	7.0	0.3	0.10	8	<0.5	0.2
171410	Rock	0.008	12	49	1.08	280	0.098	<1	1.95	0.012	0.56	<0.1	<0.01	5.0	0.3	0.35	7	<0.5	<0.2
171411	Rock	0.009	20	55	1.31	337	0.124	1	2.40	0.027	0.80	<0.1	<0.01	6.8	0.3	0.40	9	<0.5	<0.2
171412	Rock	0.007	14	88	1.63	60	0.246	<1	3.28	0.035	1.38	0.2	<0.01	16.1	0.8	1.59	14	0.8	0.4
171413	Rock	0.041	15	101	1.76	93	0.239	<1	3.36	0.045	1.55	0.4	<0.01	11.6	0.6	1.24	12	<0.5	<0.2
171414	Rock	0.104	8	49	1.17	352	0.230	<1	2.71	0.036	1.34	<0.1	<0.01	9.2	0.4	<0.05	10	<0.5	<0.2
171415	Rock	0.013	13	80	1.76	501	0.328	<1	4.10	0.063	2.30	0.1	<0.01	14.3	0.7	0.28	15	<0.5	<0.2
171416	Rock	0.008	13	56	1.11	335	0.229	<1	2.54	0.035	1.44	<0.1	<0.01	7.4	0.5	<0.05	9	<0.5	<0.2
171417	Rock	0.007	11	35	0.89	180	0.122	<1	1.76	0.018	0.76	<0.1	<0.01	5.0	0.3	0.18	6	<0.5	<0.2
171418	Rock	0.019	15	42	0.96	126	0.070	<1	2.23	0.016	0.60	<0.1	<0.01	3.3	0.3	<0.05	7	<0.5	<0.2
171419A	Rock Pulp	0.043	7	31	0.14	154	0.007	<1	0.35	0.038	0.18	5.6	3.64	1.0	<0.1	1.03	1	<0.5	7.6
171419B	Rock Pulp	0.141	8	18	0.70	422	0.153	<1	1.57	0.163	0.91	7.4	<0.01	3.0	0.3	<0.05	6	<0.5	<0.2



Acme Analytical Laboratories (Vancouver) Ltd.

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

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Client: **Newmac Resources Inc.**
Suite 2000 - 1066 West Hastings Street
Vancouver BC V6E 3X2 Canada

Project: RAFT
Report Date: August 23, 2012

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QUALITY CONTROL REPORT

VAN12003814.1

Method	WGHT	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
171355	Rock	1.00	<2	1.3	24.4	4.3	78	<0.1	13.9	15.4	594	3.97	1.8	<0.5	7.7	37	<0.1	0.2	<0.1	104	0.58
REP 171355	QC	<2																			
171372	Rock	1.03	<2	0.4	5.0	4.1	53	<0.1	31.7	3.4	402	2.38	0.8	0.7	19.7	12	<0.1	<0.1	<0.1	56	0.08
REP 171372	QC	0.4 5.1 4.0 52 <0.1 30.9 3.4 384 2.35 0.9 <0.5 18.5 11 <0.1 <0.1 <0.1 54 0.07																			
171381	Rock	1.46	9	0.7	14.9	17.9	57	0.2	22.3	12.8	359	2.78	39.6	9.3	10.4	6	<0.1	1.1	<0.1	10	0.05
REP 171381	QC	0.6 15.3 18.2 58 0.1 22.4 13.1 357 2.77 40.4 6.6 10.5 6 0.1 1.1 <0.1 10 0.05																			
171406	Rock	1.06	2	5.4	54.6	6.1	77	0.1	40.5	18.9	540	5.10	1.3	0.9	12.2	11	<0.1	0.3	<0.1	83	0.04
REP 171406	QC	2																			
171411	Rock	1.18	3	2.4	62.0	4.0	70	<0.1	40.3	19.0	584	3.98	<0.5	<0.5	7.7	10	<0.1	<0.1	<0.1	61	0.05
REP 171411	QC	2.6 60.8 3.8 67 0.1 39.1 18.3 580 3.96 <0.5 0.7 7.2 9 <0.1 <0.1 <0.1 61 0.05																			
Core Reject Duplicates																					
171414	Rock	1.21	7	4.4	19.4	8.3	98	<0.1	36.9	18.7	964	4.12	0.9	3.4	2.2	11	0.2	<0.1	<0.1	96	0.25
DUP 171414	QC	<0.01 6 4.4 18.6 8.2 99 <0.1 36.7 18.7 970 4.18 0.8 2.6 2.5 11 0.1 <0.1 <0.1 95 0.24																			
Reference Materials																					
STD DS9	Standard	13.5 110.6 119.3 303 1.7 40.0 7.7 576 2.32 23.2 120.8 6.2 67 2.1 5.3 5.1 39 0.74																			
STD DS9	Standard	11.7 108.2 116.2 300 1.8 40.3 7.7 566 2.26 24.1 120.2 5.9 65 2.2 5.1 6.2 43 0.69																			
STD OXD87	Standard	399																			
STD OXD87	Standard	406																			
STD OXG99	Standard	912																			
STD OXG99	Standard	942																			
STD DS9 Expected		12.84 108 126 317 1.83 40.3 7.6 575 2.33 25.5 118 6.38 69.6 2.4 4.94 6.32 40 0.7201																			
STD OXG99 Expected		932																			
STD OXD87 Expected		417																			
BLK	Blank	<0.1 0.2 <0.1 <1 <0.1 <0.1 <0.1 <1 0.02 0.6 <0.5 <0.1 <1 <0.1 <0.1 <0.1 <2 <0.01																			
BLK	Blank	2																			
BLK	Blank	3																			
BLK	Blank	<0.1 <0.1 <0.1 <1 <0.1 <0.1 <0.1 <1 <0.01 <0.5 <0.5 <0.1 <1 <0.1 <0.1 <0.1 <2 <0.01																			
BLK	Blank	<2																			



Acme Analytical Laboratories (Vancouver) Ltd.

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

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Client: **Newmac Resources Inc.**
 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

Project: RAFT
 Report Date: August 23, 2012

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QUALITY CONTROL REPORT

VAN12003814.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																				
171355	Rock	0.141	29	28	1.41	674	0.251	<1	2.05	0.093	0.98	<0.1	<0.01	8.7	0.3	0.18	8	<0.5	<0.2	
REP 171355	QC																			
171372	Rock	0.005	25	64	0.89	187	0.163	<1	1.74	0.028	0.75	<0.1	0.01	3.3	0.3	0.07	7	<0.5	<0.2	
REP 171372	QC	0.006	22	62	0.87	176	0.152	<1	1.67	0.026	0.74	<0.1	0.01	3.2	0.3	0.07	7	<0.5	<0.2	
171381	Rock	0.023	26	13	0.61	42	0.001	2	1.30	0.002	0.26	0.1	<0.01	2.1	0.1	0.22	3	0.6	<0.2	
REP 171381	QC	0.023	26	13	0.61	44	0.001	3	1.30	0.002	0.26	<0.1	<0.01	2.1	0.1	0.22	4	0.6	<0.2	
171406	Rock	0.011	24	85	1.56	341	0.181	<1	2.90	0.039	0.88	<0.1	<0.01	8.5	0.3	0.30	11	<0.5	0.3	
REP 171406	QC																			
171411	Rock	0.009	20	55	1.31	337	0.124	1	2.40	0.027	0.80	<0.1	<0.01	6.8	0.3	0.40	9	<0.5	<0.2	
REP 171411	QC	0.008	19	54	1.27	313	0.119	<1	2.33	0.027	0.80	<0.1	<0.01	6.5	0.3	0.40	8	<0.5	<0.2	
Core Reject Duplicates																				
171414	Rock	0.104	8	49	1.17	352	0.230	<1	2.71	0.036	1.34	<0.1	<0.01	9.2	0.4	<0.05	10	<0.5	<0.2	
DUP 171414	QC	0.102	9	50	1.16	354	0.228	<1	2.72	0.037	1.38	<0.1	<0.01	8.8	0.4	<0.05	10	<0.5	<0.2	
Reference Materials																				
STD DS9	Standard	0.078	13	125	0.62	289	0.115	2	0.95	0.086	0.40	2.8	0.20	2.2	5.4	0.16	4	6.1	4.5	
STD DS9	Standard	0.077	11	123	0.62	261	0.107	2	0.90	0.082	0.39	2.8	0.21	2.2	5.2	0.18	4	4.7	5.0	
STD OXD87	Standard																			
STD OXD87	Standard																			
STD OXG99	Standard																			
STD OXG99	Standard																			
STD DS9 Expected		0.0819	13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02	
STD OXG99 Expected																				
STD OXD87 Expected																				
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank																			
BLK	Blank																			
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank																			

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



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

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 Vancouver BC V6E 3X2 Canada

Project: RAFT
 Report Date: August 23, 2012

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QUALITY CONTROL REPORT

VAN12003814.1

		WGHT	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
BLK	Blank		<2																			
Prep Wash																						
G1	Prep Blank	<0.01	<2	<0.1	4.0	4.6	65	<0.1	6.1	6.0	563	2.02	2.0	<0.5	4.5	55	<0.1	<0.1	<0.1	40	0.48	
G1	Prep Blank	<0.01	<2	0.2	1.8	2.5	45	<0.1	3.7	4.2	564	1.89	<0.5	<0.5	4.6	51	<0.1	<0.1	<0.1	36	0.48	



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Project: RAFT
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Part: 2 of 2

QUALITY CONTROL REPORT

VAN12003814.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
BLK	Blank																			
Prep Wash																				
G1	Prep Blank	0.070	8	19	0.71	202	0.112	1	1.11	0.089	0.49	<0.1	0.01	3.2	0.4	<0.05	5	<0.5	<0.2	
G1	Prep Blank	0.077	10	8	0.56	222	0.128	<1	0.95	0.094	0.50	<0.1	<0.01	2.1	0.4	<0.05	5	<0.5	<0.2	



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

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Client: Newmac Resources Inc.
Suite 2000 - 1066 West Hastings Street
Vancouver BC V6E 3X2 Canada

Submitted By: Andrea Yuan
Receiving Lab: Canada-Vancouver
Received: August 15, 2012
Report Date: August 24, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN12003815.1

CLIENT JOB INFORMATION

Project: RAFT
Shipment ID:
P.O. Number
Number of Samples: 8

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

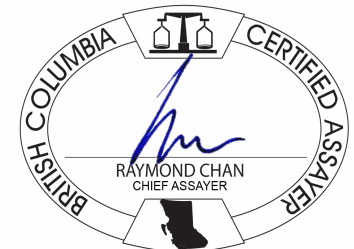
Invoice To: Newmac Resources Inc.
Suite 2000 - 1066 West Hastings Street
Vancouver BC V6E 3X2
Canada

CC: William A. Howell
David Bridge

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include methods like Dry at 60C, SS80, 3B01, 1DX2 with their respective sample counts and test results.

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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

www.acmelab.com

Client: **Newmac Resources Inc.**
 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

Project: RAFT
 Report Date: August 24, 2012

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CERTIFICATE OF ANALYSIS

VAN12003815.1

Method	Analyte	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
171357	Soil	6	3.4	115.5	44.6	144	<0.1	40.4	31.6	1581	4.62	15.1	6.8	22.1	15	<0.1	1.2	0.5	40	0.12	0.047	
171358	Soil	5	0.7	341.2	69.3	119	0.1	47.7	29.7	995	4.52	24.4	19.3	9.7	12	0.2	1.3	0.4	42	0.15	0.063	
171359	Soil	3	0.6	46.2	15.9	75	<0.1	34.5	17.0	512	2.51	27.9	4.2	7.8	9	0.1	0.7	0.3	33	0.13	0.056	
171360	Soil	11	0.8	58.9	22.5	96	<0.1	44.5	24.6	691	3.50	42.6	11.6	10.2	11	0.1	0.9	0.4	37	0.11	0.052	
171361	Soil	6	0.9	71.1	23.8	111	<0.1	54.1	32.2	733	3.70	34.1	6.0	10.7	15	0.2	0.9	0.5	39	0.15	0.052	
171364	Soil	19	1.0	70.0	24.0	113	<0.1	36.3	28.4	910	4.07	82.3	14.5	12.5	15	0.1	2.3	0.4	51	0.22	0.084	
171365	Soil	13	0.9	52.7	20.8	112	<0.1	37.8	23.1	963	4.47	72.1	19.7	12.2	20	0.1	1.3	0.2	71	0.34	0.129	
171367	Soil	35	1.5	73.7	26.0	119	0.1	40.3	26.6	1018	4.54	221.0	32.9	13.1	16	0.2	1.7	0.3	53	0.23	0.098	



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

www.acmelab.com

Client: **Newmac Resources Inc.**
 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

Project: RAFT
 Report Date: August 24, 2012

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CERTIFICATE OF ANALYSIS

VAN12003815.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
171357	Soil	52	36	1.18	103	0.030	<1	2.19	0.007	0.20	0.2	<0.01	6.2	0.3	<0.05	8	<0.5	<0.2
171358	Soil	19	46	1.09	248	0.069	<1	1.94	0.010	0.26	0.8	<0.01	4.5	0.2	<0.05	6	<0.5	<0.2
171359	Soil	17	36	0.70	60	0.055	<1	1.13	0.007	0.14	0.7	<0.01	3.1	0.1	<0.05	4	<0.5	<0.2
171360	Soil	23	40	0.87	78	0.062	<1	1.54	0.007	0.19	1.5	<0.01	3.4	0.2	<0.05	6	<0.5	<0.2
171361	Soil	24	44	0.95	91	0.062	<1	1.63	0.009	0.20	2.9	<0.01	3.8	0.2	<0.05	6	<0.5	<0.2
171364	Soil	31	38	0.96	140	0.083	<1	1.61	0.010	0.23	0.8	<0.01	5.7	0.2	<0.05	6	<0.5	<0.2
171365	Soil	34	33	1.18	283	0.127	<1	2.01	0.011	0.29	0.6	<0.01	5.9	0.2	<0.05	7	<0.5	<0.2
171367	Soil	35	38	1.04	131	0.075	<1	1.81	0.008	0.23	0.6	<0.01	5.3	0.2	<0.05	7	<0.5	<0.2



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

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 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

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QUALITY CONTROL REPORT

VAN12003815.1

Method	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Reference Materials																				
STD DS9 Standard		12.5	109.2	119.4	297	1.7	39.1	7.6	490	2.23	23.7	104.0	6.3	69	2.1	5.8	5.7	44	0.68	0.080
STD OXA71 Standard		79																		
STD OXA71 Standard		83																		
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
STD OXA71 Expected		84.9																		
BLK Blank		<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK Blank		<2																		
BLK Blank		<2																		



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1020 Cordova St. East Vancouver BC V6A 4A3 Canada

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Vancouver BC V6E 3X2 Canada

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QUALITY CONTROL REPORT

VAN12003815.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Reference Materials																		
STD DS9	Standard	12	119	0.54	281	0.128	3	0.77	0.066	0.29	3.0	0.19	2.2	5.0	0.13	5	5.0	4.7
STD OXA71	Standard																	
STD OXA71	Standard																	
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
STD OXA71 Expected																		
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank																	
BLK	Blank																	



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Suite 2000 - 1066 West Hastings Street
Vancouver BC V6E 3X2 Canada

Submitted By: Andrea Yuan
Receiving Lab: Canada-Vancouver
Received: August 17, 2012
Report Date: August 28, 2012
Page: 1 of 6

CERTIFICATE OF ANALYSIS

VAN12003862.1

CLIENT JOB INFORMATION

Project: RAFT
Shipment ID:
P.O. Number
Number of Samples: 124

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT Dispose of Reject After 90 days

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

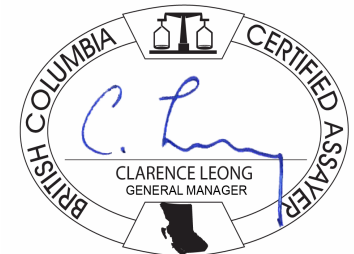
Invoice To: Newmac Resources Inc.
Suite 2000 - 1066 West Hastings Street
Vancouver BC V6E 3X2
Canada

CC: William A. Howell
David Bridge

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include R200-250, 3B01, and 1DX2.

ADDITIONAL COMMENTS



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

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 Vancouver BC V6E 3X2 Canada

Project: RAFT
 Report Date: August 28, 2012

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CERTIFICATE OF ANALYSIS

VAN12003862.1

Method	WGHT	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
G1	Prep Blank	<0.01	<2	0.2	2.3	2.8	50	<0.1	4.6	4.6	621	2.03	<0.5	2.3	4.2	65	<0.1	<0.1	<0.1	35	0.47
G1	Prep Blank	<0.01	<2	0.1	2.3	2.9	51	<0.1	4.4	4.5	594	2.04	0.8	2.7	4.5	54	<0.1	<0.1	<0.1	34	0.47
171451	Rock	1.40	<2	0.9	38.8	2.1	68	<0.1	33.9	18.5	510	3.81	<0.5	2.8	2.0	46	<0.1	<0.1	<0.1	102	0.73
171452	Rock	1.60	<2	0.3	29.0	3.1	66	<0.1	16.8	14.5	504	3.38	1.0	1.4	1.3	49	<0.1	<0.1	<0.1	81	0.86
171453	Rock	1.34	<2	1.1	38.3	3.6	57	<0.1	19.5	13.7	397	3.10	1.2	3.0	1.5	39	<0.1	<0.1	0.1	77	0.69
171454	Rock	1.69	<2	2.5	41.4	10.7	95	<0.1	33.8	17.9	457	4.60	0.6	2.2	4.5	13	<0.1	<0.1	0.1	84	0.07
171455	Rock	1.14	<2	0.1	20.8	3.8	71	<0.1	16.0	15.2	654	3.89	0.7	1.1	1.4	34	<0.1	<0.1	<0.1	99	0.83
171456	Rock	1.56	<2	0.2	27.9	4.8	68	<0.1	38.0	20.6	495	3.73	0.9	<0.5	3.3	43	<0.1	0.1	<0.1	84	0.83
171457	Rock	1.25	<2	0.3	27.4	3.0	49	0.1	29.0	16.1	419	2.91	0.9	<0.5	3.8	58	<0.1	<0.1	<0.1	82	0.94
171458	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
171459	Rock	0.73	<2	0.1	20.3	12.0	57	<0.1	29.7	13.4	455	2.50	0.7	<0.5	5.3	34	<0.1	<0.1	<0.1	55	0.56
171460	Rock	1.07	<2	0.3	28.6	4.3	54	<0.1	25.7	15.7	378	2.79	1.8	0.6	3.6	47	<0.1	<0.1	<0.1	70	0.77
171461	Rock	1.20	<2	0.2	30.6	3.6	48	<0.1	19.7	14.7	382	2.77	<0.5	0.5	3.4	44	<0.1	<0.1	0.2	70	0.73
171463	Rock	1.38	<2	0.6	40.1	1.5	51	<0.1	45.2	20.1	471	3.01	<0.5	1.2	2.8	71	<0.1	<0.1	<0.1	86	0.92
171464	Rock	1.08	<2	1.1	44.2	2.2	56	0.2	62.1	18.6	417	2.70	1.1	<0.5	3.4	50	<0.1	<0.1	<0.1	65	0.79
171465	Rock	1.37	<2	0.3	40.5	2.1	58	0.2	46.4	19.3	518	3.14	0.6	0.7	2.6	61	0.1	0.1	<0.1	82	0.92
171466	Rock	0.82	<2	0.7	60.1	2.3	73	0.3	68.3	22.9	549	3.44	2.4	1.7	3.8	56	0.1	0.2	<0.1	90	0.83
171467	Rock	0.95	<2	0.3	46.1	2.8	64	0.3	35.9	19.5	461	3.31	1.0	<0.5	2.5	65	<0.1	<0.1	<0.1	97	0.92
171468	Rock	1.06	<2	0.3	36.8	3.5	84	0.2	36.6	22.3	588	4.09	4.9	1.0	3.2	64	<0.1	0.3	0.1	135	0.95
171469	Rock	1.51	<2	0.4	22.0	5.4	90	0.1	58.1	23.3	793	4.56	72.6	3.4	4.3	82	0.2	0.3	<0.1	120	1.77
171470	Rock	1.70	56	2.1	12.9	11.9	25	0.5	15.6	7.8	177	2.21	329.7	63.5	5.5	27	<0.1	1.8	<0.1	21	0.49
171471	Rock	1.30	10	0.6	17.8	7.3	31	<0.1	14.0	9.0	253	2.11	28.3	16.5	7.1	17	<0.1	0.4	<0.1	35	0.33
171472	Rock	1.39	7	0.3	25.3	7.0	48	<0.1	25.2	13.0	367	2.73	15.3	14.5	4.7	44	0.1	0.4	<0.1	81	0.66
171473	Rock	1.32	<2	0.2	31.3	3.6	58	<0.1	26.3	16.3	466	3.17	22.1	3.2	3.1	54	<0.1	0.2	0.3	79	0.76
171474	Rock	1.65	<2	0.6	120.9	15.4	101	0.1	63.1	28.1	889	5.47	10.5	1.2	4.4	43	0.1	<0.1	0.1	141	1.09
171475A	Rock Pulp	0.05	1148	838.3	3067	82.8	92	30.0	16.9	7.1	367	2.24	25.9	1184	1.0	259	3.2	74.1	2.1	14	1.18
171475B	Rock Pulp	0.05	2	9.0	35.2	1.2	85	<0.1	14.9	6.8	1057	4.31	1.1	<0.5	1.5	36	<0.1	0.2	<0.1	20	0.57
171476	Rock	1.68	<2	0.7	32.3	10.8	55	0.1	25.0	11.5	210	3.13	2.7	<0.5	5.5	7	<0.1	0.2	<0.1	34	0.05
171477	Rock	1.41	2	3.2	16.4	7.4	34	<0.1	13.4	6.0	169	2.02	7.0	<0.5	4.2	3	<0.1	0.2	<0.1	19	0.02
171478	Rock	0.98	<2	0.6	1.5	13.7	7	<0.1	2.6	1.6	95	0.45	0.6	1.6	7.1	5	<0.1	<0.1	<0.1	<2	0.04

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Acme Analytical Laboratories (Vancouver) Ltd.
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 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Newmac Resources Inc.**
 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

Project: RAFT
 Report Date: August 28, 2012

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CERTIFICATE OF ANALYSIS

VAN12003862.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
G1	Prep Blank	0.077	9	6	0.60	247	0.122	1	1.08	0.099	0.52	<0.1	<0.01	2.3	0.3	<0.05	6	<0.5	<0.2
G1	Prep Blank	0.073	9	7	0.60	244	0.117	1	0.99	0.090	0.50	<0.1	<0.01	2.2	0.3	<0.05	5	<0.5	<0.2
171451	Rock	0.178	10	62	1.78	507	0.271	1	2.71	0.109	0.99	0.1	<0.01	7.2	0.3	0.31	9	<0.5	<0.2
171452	Rock	0.240	7	30	1.55	487	0.249	1	2.16	0.130	0.95	0.1	<0.01	6.8	0.2	0.05	8	<0.5	<0.2
171453	Rock	0.169	8	42	1.19	381	0.238	2	1.84	0.094	0.83	0.1	<0.01	7.1	0.2	0.11	7	<0.5	<0.2
171454	Rock	0.024	14	78	1.55	457	0.231	1	3.06	0.041	1.46	0.1	<0.01	11.2	0.5	0.06	11	<0.5	<0.2
171455	Rock	0.273	5	39	1.81	257	0.165	<1	2.39	0.079	1.08	0.1	<0.01	9.4	0.3	<0.05	9	<0.5	<0.2
171456	Rock	0.198	13	60	1.79	278	0.194	<1	2.26	0.072	0.66	0.1	<0.01	6.2	0.3	0.09	8	<0.5	<0.2
171457	Rock	0.191	14	47	1.56	389	0.207	2	1.94	0.129	0.60	0.1	<0.01	6.0	0.2	0.07	7	<0.5	<0.2
171458	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	
171459	Rock	0.137	12	39	1.43	233	0.159	1	1.68	0.077	0.36	0.1	<0.01	4.2	<0.1	<0.05	6	<0.5	<0.2
171460	Rock	0.192	10	32	1.29	522	0.210	<1	1.84	0.103	0.78	0.1	<0.01	4.0	0.2	0.09	6	<0.5	<0.2
171461	Rock	0.170	10	28	1.26	373	0.202	<1	1.71	0.109	0.66	0.1	<0.01	3.9	0.2	0.07	6	<0.5	<0.2
171463	Rock	0.198	12	74	2.04	498	0.233	<1	2.19	0.142	0.89	<0.1	<0.01	7.3	0.2	0.10	6	<0.5	<0.2
171464	Rock	0.189	17	90	1.89	440	0.200	<1	1.91	0.091	0.78	<0.1	<0.01	5.4	0.2	0.09	6	<0.5	<0.2
171465	Rock	0.217	17	77	2.09	475	0.205	<1	2.13	0.108	0.74	<0.1	<0.01	7.4	0.2	0.05	7	<0.5	<0.2
171466	Rock	0.205	23	122	2.44	552	0.208	<1	2.39	0.093	0.88	<0.1	<0.01	9.5	0.2	0.07	7	<0.5	<0.2
171467	Rock	0.236	14	50	1.83	599	0.215	<1	2.27	0.117	0.82	<0.1	<0.01	5.9	0.2	0.08	7	<0.5	<0.2
171468	Rock	0.244	17	57	2.46	635	0.269	<1	2.85	0.092	0.91	0.1	<0.01	11.2	0.2	0.07	9	<0.5	<0.2
171469	Rock	0.235	26	125	3.00	375	0.154	3	3.14	0.045	0.69	<0.1	<0.01	15.0	0.2	<0.05	9	<0.5	<0.2
171470	Rock	0.089	12	22	0.75	178	0.008	3	1.03	0.005	0.26	<0.1	<0.01	3.2	0.2	0.54	3	<0.5	<0.2
171471	Rock	0.105	16	17	0.98	147	0.042	4	1.42	0.022	0.33	0.1	<0.01	3.5	0.1	<0.05	4	<0.5	<0.2
171472	Rock	0.138	12	41	1.37	368	0.179	2	1.65	0.078	0.47	0.2	<0.01	8.4	0.2	0.08	6	<0.5	<0.2
171473	Rock	0.173	14	21	1.60	270	0.140	1	2.14	0.114	0.39	0.5	<0.01	6.3	0.1	0.10	7	<0.5	<0.2
171474	Rock	0.279	28	109	3.18	235	0.140	<1	3.39	0.055	0.34	0.1	<0.01	9.8	<0.1	<0.05	13	<0.5	<0.2
171475A	Rock Pulp	0.040	7	30	0.14	153	0.006	<1	0.33	0.038	0.17	5.3	3.34	0.5	<0.1	0.94	1	0.6	6.5
171475B	Rock Pulp	0.136	9	18	0.70	393	0.164	<1	1.60	0.151	0.90	7.7	<0.01	3.3	0.3	<0.05	6	<0.5	<0.2
171476	Rock	0.018	14	33	0.97	156	0.095	<1	1.96	0.019	0.67	0.1	<0.01	5.3	0.3	0.17	6	<0.5	<0.2
171477	Rock	0.009	10	23	0.54	94	0.079	<1	1.14	0.021	0.48	0.1	<0.01	3.4	0.2	0.08	4	<0.5	<0.2
171478	Rock	0.008	11	2	0.08	22	0.001	<1	0.33	0.054	0.12	<0.1	<0.01	0.8	<0.1	<0.05	1	<0.5	<0.2

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

www.acmelab.com

Client: **Newmac Resources Inc.**
 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

Project: RAFT
 Report Date: August 28, 2012

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CERTIFICATE OF ANALYSIS

VAN12003862.1

Method	WGHT	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
171479	Rock	2.22	3	0.5	26.4	7.8	63	<0.1	27.8	12.5	299	3.22	<0.5	2.4	4.5	8	<0.1	<0.1	<0.1	57	0.23
171480	Rock	1.69	<2	0.3	16.2	3.6	28	<0.1	16.3	7.4	191	1.93	0.6	1.2	4.6	27	<0.1	<0.1	<0.1	23	0.44
171481	Rock	1.09	<2	0.4	22.7	11.3	43	<0.1	21.7	9.6	218	2.61	0.7	<0.5	5.6	29	<0.1	<0.1	<0.1	45	0.30
171482	Rock	1.64	5	1.0	35.7	5.6	90	<0.1	26.3	17.2	481	4.46	<0.5	2.8	3.8	21	<0.1	<0.1	0.1	81	0.44
171483	Rock	1.32	10	1.2	30.5	16.8	88	<0.1	36.6	18.5	396	4.50	1.2	8.6	4.5	10	<0.1	<0.1	0.1	83	0.02
171484	Rock	1.27	<2	0.8	51.4	6.7	105	<0.1	54.6	25.5	527	5.63	0.9	<0.5	3.1	7	<0.1	<0.1	0.1	124	0.07
171485	Rock	1.14	<2	1.7	44.9	8.2	90	<0.1	26.9	16.7	449	5.35	1.5	6.3	3.8	7	<0.1	0.2	0.2	100	0.02
171486	Rock	1.52	<2	1.0	30.7	9.6	62	<0.1	13.3	8.3	247	3.31	1.6	5.8	4.6	7	<0.1	<0.1	0.1	58	0.02
171487	Rock	1.25	<2	1.1	19.3	7.0	45	<0.1	10.2	6.4	206	2.76	0.9	3.0	3.7	6	<0.1	<0.1	<0.1	40	0.02
171488	Rock	1.59	<2	1.7	50.9	21.1	86	<0.1	19.7	15.7	358	4.47	1.0	0.6	3.2	11	0.1	<0.1	0.1	77	0.03
171489	Rock	1.21	<2	1.7	34.4	8.4	61	<0.1	21.6	11.0	260	3.36	0.8	5.1	3.3	9	<0.1	0.1	<0.1	46	0.03
171490	Rock	1.33	4	1.1	26.2	10.7	68	<0.1	17.0	12.5	301	3.83	0.7	7.5	4.1	10	<0.1	<0.1	0.2	64	0.04
171501	Rock	1.06	<2	3.8	107.2	9.2	84	0.1	33.8	18.6	448	4.32	2.9	2.3	4.0	9	<0.1	0.4	0.2	80	0.13
171502	Rock	1.19	<2	1.6	24.6	7.7	48	<0.1	10.7	7.9	296	2.22	1.8	2.7	9.0	8	<0.1	0.3	<0.1	44	0.08
171503	Rock	1.16	8	3.5	49.6	23.1	58	0.5	13.3	9.8	423	3.35	57.2	13.2	9.5	6	<0.1	0.9	<0.1	17	0.04
171504	Rock	1.65	6	2.4	20.9	17.9	40	0.2	9.4	8.2	333	2.37	45.0	5.0	8.7	3	<0.1	0.3	<0.1	8	0.01
171505	Rock	1.40	8	2.8	30.9	21.8	46	0.3	18.0	11.6	465	2.50	54.0	11.1	7.5	3	0.1	0.5	<0.1	24	0.03
171506	Rock	1.06	10	4.4	33.3	23.2	41	0.3	19.5	12.4	314	3.17	47.7	12.5	6.0	6	<0.1	0.7	<0.1	12	0.04
171507	Rock	0.75	<2	0.4	12.9	6.1	109	0.1	18.8	15.9	746	4.37	5.7	<0.5	8.4	22	0.2	0.2	<0.1	65	0.58
171508	Rock	0.94	4	0.2	14.3	7.2	104	<0.1	22.4	19.0	797	4.80	11.6	5.5	8.7	21	0.3	0.2	<0.1	84	0.50
171509	Rock	1.29	<2	0.2	8.5	2.7	68	<0.1	7.3	14.0	601	3.40	1.2	1.2	2.7	40	<0.1	<0.1	<0.1	93	0.68
171510	Rock	1.05	<2	0.1	11.2	2.6	75	<0.1	8.9	15.6	619	3.85	0.8	1.0	2.8	41	<0.1	<0.1	<0.1	108	0.68
171511	Rock	0.76	<2	0.2	10.2	4.0	71	<0.1	7.7	13.1	642	3.54	4.3	<0.5	4.4	37	<0.1	0.1	<0.1	95	0.60
171512	Rock	0.85	<2	0.4	11.4	7.8	63	<0.1	13.2	6.0	469	3.08	2.8	<0.5	14.3	9	<0.1	0.1	<0.1	38	0.17
171513	Rock	1.41	<2	0.3	7.7	4.0	65	<0.1	4.3	7.0	484	2.75	1.2	1.3	13.6	21	<0.1	<0.1	<0.1	53	0.34
171514	Rock	0.94	<2	<0.1	5.9	4.1	93	<0.1	28.7	12.0	529	3.88	1.1	1.0	3.9	3	<0.1	<0.1	<0.1	45	0.02
171515	Rock	1.33	<2	0.3	13.9	10.1	92	<0.1	32.8	12.8	530	4.05	1.3	<0.5	4.5	6	<0.1	<0.1	<0.1	34	0.03
171516	Rock	1.06	<2	0.7	58.9	2.7	37	<0.1	8.2	6.8	320	2.92	1.4	3.0	4.3	2	<0.1	0.2	0.2	27	0.01
171517	Rock	1.63	<2	0.4	13.7	3.6	28	<0.1	9.9	6.7	236	1.43	1.0	3.6	3.9	3	<0.1	<0.1	<0.1	15	0.02
171518	Rock	1.10	<2	0.1	2.0	20.3	8	<0.1	1.5	1.1	144	0.58	0.7	0.8	6.7	6	<0.1	<0.1	<0.1	3	0.04

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

www.acmelab.com

Client: **Newmac Resources Inc.**
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 Vancouver BC V6E 3X2 Canada

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CERTIFICATE OF ANALYSIS

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	
171479	Rock	0.034	11	62	1.11	254	0.210	<1	2.10	0.054	0.84	0.2	<0.01	8.5	0.3	0.20	8	<0.5	<0.2
171480	Rock	0.013	7	24	0.62	76	0.083	1	1.64	0.042	0.39	0.1	<0.01	4.7	0.1	0.09	5	<0.5	<0.2
171481	Rock	0.011	12	48	0.84	110	0.152	<1	2.00	0.051	0.75	0.1	<0.01	5.2	0.3	0.07	7	<0.5	<0.2
171482	Rock	0.052	8	46	1.50	253	0.188	<1	3.04	0.079	0.99	0.1	<0.01	12.7	0.3	0.30	10	<0.5	<0.2
171483	Rock	0.015	14	77	1.54	528	0.233	<1	3.48	0.020	1.40	0.1	<0.01	11.6	0.4	0.07	12	<0.5	<0.2
171484	Rock	0.021	8	92	1.99	450	0.309	2	3.85	0.035	1.92	0.3	<0.01	15.8	0.6	0.18	14	<0.5	<0.2
171485	Rock	0.012	10	84	1.65	607	0.266	2	3.68	0.048	1.66	0.3	<0.01	13.4	0.5	0.05	13	<0.5	<0.2
171486	Rock	0.010	13	51	0.98	226	0.187	1	2.46	0.031	1.17	0.1	<0.01	7.4	0.3	<0.05	8	<0.5	<0.2
171487	Rock	0.010	9	37	0.76	167	0.138	2	1.69	0.028	0.86	0.1	<0.01	5.6	0.3	<0.05	6	<0.5	<0.2
171488	Rock	0.016	13	60	1.33	365	0.186	1	3.08	0.022	1.46	0.2	<0.01	10.1	0.4	<0.05	10	<0.5	<0.2
171489	Rock	0.014	9	40	0.89	207	0.119	2	2.01	0.021	0.83	0.1	<0.01	5.9	0.3	0.05	7	<0.5	<0.2
171490	Rock	0.016	12	52	1.13	370	0.187	1	2.59	0.028	1.27	0.1	<0.01	9.2	0.4	<0.05	9	0.6	<0.2
171501	Rock	0.032	10	53	1.18	185	0.159	1	2.29	0.052	1.24	0.1	<0.01	9.1	0.5	0.68	10	0.5	<0.2
171502	Rock	0.020	20	17	0.64	199	0.109	2	1.28	0.030	0.64	0.1	<0.01	6.1	0.3	<0.05	5	<0.5	<0.2
171503	Rock	0.012	26	13	0.73	150	0.034	3	1.62	0.013	0.47	<0.1	<0.01	3.6	0.2	0.05	5	<0.5	<0.2
171504	Rock	0.006	25	9	0.59	52	0.004	2	1.17	0.014	0.20	<0.1	<0.01	2.2	<0.1	<0.05	3	<0.5	<0.2
171505	Rock	0.016	18	7	0.57	59	0.003	4	1.08	0.001	0.20	<0.1	<0.01	3.6	<0.1	0.15	3	<0.5	<0.2
171506	Rock	0.007	17	10	0.69	99	0.005	4	1.48	0.012	0.24	<0.1	<0.01	2.3	0.1	0.14	3	<0.5	<0.2
171507	Rock	0.236	38	5	1.43	114	0.020	2	2.41	0.025	0.31	<0.1	<0.01	8.9	0.2	0.11	7	<0.5	<0.2
171508	Rock	0.232	48	6	1.84	164	0.030	3	2.79	0.024	0.36	<0.1	<0.01	8.0	0.2	0.05	8	<0.5	<0.2
171509	Rock	0.194	17	7	1.58	365	0.102	2	1.85	0.071	0.54	<0.1	<0.01	7.0	0.2	<0.05	7	<0.5	<0.2
171510	Rock	0.198	20	8	1.62	390	0.127	<1	2.14	0.072	0.67	<0.1	<0.01	7.9	0.2	<0.05	7	<0.5	<0.2
171511	Rock	0.180	20	8	1.41	631	0.134	2	1.92	0.065	0.75	<0.1	<0.01	6.7	0.2	<0.05	7	<0.5	<0.2
171512	Rock	0.078	43	21	0.77	293	0.101	2	1.87	0.034	0.79	0.1	<0.01	5.0	0.2	<0.05	7	<0.5	<0.2
171513	Rock	0.120	82	4	0.77	294	0.080	<1	1.38	0.048	0.51	<0.1	<0.01	4.4	0.1	0.05	6	<0.5	<0.2
171514	Rock	0.010	11	41	1.03	225	0.163	2	2.61	0.032	1.63	<0.1	<0.01	7.9	0.6	<0.05	9	<0.5	<0.2
171515	Rock	0.014	13	36	0.97	267	0.131	<1	2.34	0.035	1.13	<0.1	<0.01	3.8	0.5	<0.05	8	<0.5	<0.2
171516	Rock	0.005	8	26	0.84	100	0.088	2	1.35	0.027	0.60	<0.1	<0.01	3.0	0.2	<0.05	5	<0.5	<0.2
171517	Rock	0.007	8	20	0.43	87	0.064	<1	0.80	0.025	0.41	<0.1	<0.01	2.1	0.1	0.13	3	<0.5	<0.2
171518	Rock	0.016	11	4	0.11	35	0.002	<1	0.35	0.044	0.12	<0.1	<0.01	0.9	<0.1	<0.05	2	<0.5	<0.2

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Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
171519	Rock	1.30	<2	0.9	43.9	8.0	65	<0.1	23.0	15.1	516	2.90	2.1	1.6	6.6	6	<0.1	0.1	<0.1	24	0.03
171520	Rock	1.39	<2	0.3	20.8	8.2	84	<0.1	31.5	15.3	637	3.77	1.7	1.9	6.6	8	<0.1	<0.1	<0.1	32	0.06
171521	Rock	1.12	<2	0.9	20.2	9.2	78	<0.1	27.2	13.6	614	3.15	4.5	3.6	6.0	7	0.1	0.2	<0.1	28	0.04
171522	Rock	1.47	4	0.2	264.7	4.8	34	0.3	16.7	32.9	385	5.08	7.3	4.5	5.0	4	<0.1	0.7	0.7	18	0.03
171523	Rock	1.40	<2	0.2	20.4	4.9	83	<0.1	33.8	13.4	704	3.43	2.0	0.7	5.5	7	<0.1	0.2	<0.1	35	0.06
171524	Rock	1.48	<2	<0.1	10.4	3.2	21	0.1	10.8	4.9	527	1.70	1.5	2.1	8.1	7	<0.1	0.1	<0.1	16	0.07
171525	Rock	1.28	<2	0.1	10.7	7.7	58	<0.1	17.0	9.3	432	2.57	1.6	<0.5	6.1	4	<0.1	<0.1	<0.1	21	0.02
171525A	Rock Pulp	0.05	1153	771.3	3155	83.9	94	30.0	17.3	7.4	377	2.20	26.4	1258	0.9	267	2.7	79.2	2.1	15	1.18
171525B	Rock Pulp	0.05	<2	9.4	35.0	1.3	84	<0.1	12.8	6.4	1032	4.28	1.3	3.6	1.3	34	<0.1	0.3	<0.1	20	0.51
171526	Rock	1.29	<2	<0.1	1.8	11.0	22	<0.1	2.8	1.6	197	0.83	1.7	<0.5	8.1	4	<0.1	0.1	0.1	4	0.03
171527	Rock	1.60	<2	0.3	16.0	11.2	30	0.6	8.5	6.9	447	1.52	9.0	6.0	5.0	23	0.1	0.2	0.4	23	0.21
171528	Rock	1.76	3	0.2	32.3	5.9	85	0.6	28.9	17.8	489	3.39	50.4	3.5	4.6	8	<0.1	0.6	<0.1	13	0.05
171529	Rock	1.11	<2	0.2	30.3	5.0	32	<0.1	13.2	6.3	349	1.94	2.7	2.4	9.1	9	<0.1	0.1	0.2	19	0.07
171530	Rock	1.28	<2	0.2	26.1	4.5	93	<0.1	36.6	14.7	563	4.59	2.8	1.5	3.7	8	<0.1	0.2	0.1	60	0.05
171531	Rock	1.20	<2	0.1	22.8	3.1	52	<0.1	16.7	8.9	383	2.80	1.9	<0.5	4.8	6	<0.1	<0.1	0.2	34	0.07
171532	Rock	1.60	<2	0.9	26.2	2.9	53	<0.1	19.1	9.5	339	2.18	1.9	<0.5	8.8	10	<0.1	0.2	<0.1	34	0.08
171533	Rock	0.97	<2	0.4	20.0	7.1	44	<0.1	15.8	6.7	258	1.80	2.3	<0.5	7.8	6	<0.1	<0.1	<0.1	29	0.04
171534	Rock	1.25	<2	0.7	15.2	4.6	53	<0.1	14.9	6.0	315	1.69	2.5	<0.5	9.9	5	<0.1	0.1	<0.1	27	0.04
171535	Rock	0.96	<2	0.4	48.5	7.3	82	0.1	37.5	17.3	452	4.59	4.9	<0.5	11.1	6	0.1	0.2	0.2	56	0.03
171536	Rock	0.80	<2	0.6	24.0	5.0	54	<0.1	23.4	11.3	319	2.33	6.2	<0.5	6.3	5	<0.1	0.2	<0.1	32	0.04
171537	Rock	1.08	<2	0.2	21.8	6.2	51	<0.1	23.0	11.1	505	2.56	8.7	<0.5	8.9	9	<0.1	0.2	<0.1	29	0.07
171538	Rock	0.84	<2	0.9	22.0	3.0	54	<0.1	31.9	13.4	753	3.31	32.0	<0.5	11.3	6	0.1	0.3	<0.1	38	0.04
171539	Rock	1.43	<2	0.4	37.5	6.2	56	<0.1	21.6	10.3	376	2.83	6.8	<0.5	8.2	9	<0.1	0.2	<0.1	29	0.08
171540	Rock	1.30	<2	0.3	12.1	9.6	57	<0.1	16.8	6.4	295	2.12	4.5	0.7	6.7	6	<0.1	0.3	<0.1	23	0.06
171541	Rock	1.04	<2	0.6	23.8	8.9	70	<0.1	16.9	9.5	531	2.17	1.1	<0.5	4.0	10	<0.1	<0.1	<0.1	25	0.06
171542	Rock	1.20	<2	0.5	8.5	8.4	139	<0.1	35.1	17.1	902	3.18	0.5	2.5	4.9	12	<0.1	<0.1	0.1	47	0.12
171543	Rock	1.30	<2	0.2	88.1	14.5	113	0.1	26.7	20.1	705	4.21	2.9	<0.5	3.8	14	<0.1	0.5	0.2	45	0.11
171544	Rock	0.91	<2	0.7	89.8	10.4	98	0.2	38.8	19.8	1107	6.69	1.4	<0.5	3.9	9	<0.1	0.3	0.3	94	0.05
171545	Rock	1.47	<2	0.3	39.0	8.6	107	<0.1	36.1	23.1	795	4.56	1.7	<0.5	3.2	11	<0.1	0.2	<0.1	58	0.13
171546	Rock	1.63	3	0.2	19.9	6.5	74	<0.1	29.7	14.6	514	3.04	19.2	3.7	7.5	10	<0.1	0.4	<0.1	14	0.16

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

www.acmelab.com

Client: **Newmac Resources Inc.**
 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

Project: RAFT
 Report Date: August 28, 2012

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CERTIFICATE OF ANALYSIS

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.1	0.1	0.05	1	0.5	0.2	
171519	Rock	0.010	13	25	0.69	114	0.093	<1	1.56	0.030	0.62	<0.1	<0.01	4.1	0.2	<0.05	5	<0.5	<0.2
171520	Rock	0.025	17	29	0.89	144	0.076	2	2.13	0.027	0.62	<0.1	<0.01	4.6	0.2	<0.05	7	<0.5	<0.2
171521	Rock	0.013	14	29	0.77	139	0.087	<1	1.75	0.019	0.62	0.1	<0.01	3.6	0.3	<0.05	6	<0.5	<0.2
171522	Rock	0.012	6	18	0.76	50	0.050	<1	1.36	0.011	0.35	<0.1	<0.01	2.3	0.2	2.42	5	2.2	<0.2
171523	Rock	0.013	12	37	1.21	274	0.131	1	2.33	0.030	1.03	<0.1	<0.01	5.1	0.4	0.08	7	<0.5	<0.2
171524	Rock	0.010	13	21	0.69	116	0.035	1	0.99	0.025	0.33	<0.1	<0.01	2.4	0.1	<0.05	4	<0.5	<0.2
171525	Rock	0.011	16	24	0.77	93	0.073	2	1.55	0.026	0.56	<0.1	<0.01	3.4	0.2	<0.05	5	<0.5	<0.2
171525A	Rock Pulp	0.041	7	29	0.13	183	0.006	<1	0.31	0.036	0.16	5.6	3.62	0.8	<0.1	0.99	1	<0.5	8.1
171525B	Rock Pulp	0.132	7	17	0.67	403	0.144	<1	1.53	0.153	0.88	7.9	<0.01	3.0	0.3	<0.05	6	<0.5	<0.2
171526	Rock	0.012	13	4	0.17	32	0.003	2	0.46	0.034	0.13	<0.1	<0.01	0.7	0.1	<0.05	2	<0.5	<0.2
171527	Rock	0.054	16	9	0.51	193	0.046	1	0.81	0.041	0.29	<0.1	<0.01	2.6	0.2	0.08	3	<0.5	<0.2
171528	Rock	0.011	11	15	0.63	70	0.009	2	1.31	0.004	0.26	<0.1	<0.01	3.2	0.1	0.17	3	<0.5	<0.2
171529	Rock	0.013	20	22	0.64	140	0.046	3	1.12	0.035	0.34	<0.1	<0.01	3.2	0.1	0.07	4	<0.5	<0.2
171530	Rock	0.017	9	61	1.37	343	0.213	1	2.96	0.039	1.54	<0.1	<0.01	10.1	0.5	0.12	11	<0.5	<0.2
171531	Rock	0.021	8	41	1.04	254	0.146	<1	1.71	0.085	0.95	0.2	<0.01	6.5	0.4	0.31	7	<0.5	<0.2
171532	Rock	0.008	12	43	0.72	226	0.121	1	1.30	0.076	0.65	0.2	<0.01	5.2	0.3	0.09	6	<0.5	<0.2
171533	Rock	0.012	15	30	0.66	97	0.081	<1	1.14	0.062	0.54	<0.1	<0.01	3.5	0.2	<0.05	5	<0.5	<0.2
171534	Rock	0.008	13	36	0.53	80	0.059	1	0.96	0.046	0.30	<0.1	<0.01	3.1	0.1	<0.05	4	<0.5	<0.2
171535	Rock	0.013	17	63	1.45	215	0.111	1	2.52	0.031	0.66	<0.1	<0.01	7.2	0.2	0.17	10	<0.5	<0.2
171536	Rock	0.009	13	40	0.76	107	0.082	<1	1.39	0.043	0.48	0.1	<0.01	4.2	0.2	<0.05	5	<0.5	<0.2
171537	Rock	0.011	14	39	0.70	169	0.066	1	1.41	0.036	0.39	<0.1	<0.01	3.4	0.2	0.06	5	<0.5	<0.2
171538	Rock	0.016	11	42	0.91	173	0.142	2	1.69	0.042	0.92	0.1	<0.01	6.4	0.3	0.06	7	<0.5	<0.2
171539	Rock	0.016	14	32	0.79	157	0.085	2	1.51	0.032	0.55	<0.1	<0.01	4.3	0.2	0.12	6	<0.5	<0.2
171540	Rock	0.020	15	25	0.71	125	0.084	2	1.35	0.034	0.64	<0.1	<0.01	3.8	0.2	<0.05	5	<0.5	<0.2
171541	Rock	0.010	14	21	0.62	162	0.096	<1	1.32	0.030	0.58	<0.1	<0.01	3.9	0.2	<0.05	5	<0.5	<0.2
171542	Rock	0.017	12	51	1.46	298	0.165	<1	2.47	0.035	1.18	<0.1	<0.01	7.1	0.3	<0.05	8	<0.5	<0.2
171543	Rock	0.018	10	39	0.92	212	0.139	<1	2.33	0.013	0.83	<0.1	<0.01	5.8	0.3	<0.05	8	<0.5	<0.2
171544	Rock	0.009	10	93	1.83	191	0.182	<1	3.54	0.022	0.92	<0.1	<0.01	11.1	0.3	0.16	14	<0.5	<0.2
171545	Rock	0.023	9	52	0.96	401	0.241	<1	2.75	0.028	1.53	<0.1	<0.01	7.9	0.6	0.10	10	<0.5	<0.2
171546	Rock	0.015	9	17	0.64	51	0.011	<1	1.42	0.004	0.24	<0.1	<0.01	2.3	0.2	0.09	4	<0.5	<0.2

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

www.acmelab.com

Client: **Newmac Resources Inc.**
 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

Project: RAFT
 Report Date: August 28, 2012

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CERTIFICATE OF ANALYSIS

VAN12003862.1

Method	WGHT	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
171547	Rock	1.23	<2	0.3	36.2	8.0	70	<0.1	31.2	14.8	500	3.86	6.3	1.6	8.6	8	<0.1	0.4	<0.1	38	0.05
171548	Rock	1.59	2	1.6	168.2	7.3	61	0.3	111.0	53.5	509	8.74	1.3	<0.5	2.9	8	<0.1	0.6	0.4	37	0.06
171549	Rock	1.91	3	2.0	154.5	7.0	107	0.3	52.4	33.1	805	9.22	1.5	1.1	2.1	12	<0.1	0.1	0.3	97	0.08
171550	Rock	1.71	<2	1.5	266.8	7.3	93	0.4	99.0	69.7	723	7.82	1.3	<0.5	1.9	8	<0.1	0.1	0.5	93	0.03
171550A	Rock Pulp	0.05	1150	755.0	3107	81.1	91	30.2	16.8	7.2	373	2.17	27.2	1202	1.0	259	2.8	77.7	2.0	14	1.16
171550B	Rock Pulp	0.05	<2	8.8	33.4	1.2	84	<0.1	13.0	6.2	975	3.82	1.5	<0.5	1.0	31	<0.1	0.2	<0.1	17	0.49
171577	Rock	1.20	<2	0.4	24.0	14.9	43	<0.1	14.1	12.6	727	2.37	9.5	1.3	5.9	71	<0.1	0.7	<0.1	49	3.87
171578	Rock	1.61	10	0.5	20.0	6.6	69	0.2	28.2	19.9	917	4.16	37.5	10.9	3.0	387	<0.1	0.7	<0.1	38	7.20
171579	Rock	1.33	<2	1.5	29.4	6.5	52	<0.1	13.6	11.1	502	2.58	4.4	2.0	2.5	40	<0.1	0.2	0.1	61	0.80
171580	Rock	1.33	<2	0.4	31.6	1.4	49	<0.1	17.0	15.4	215	2.93	1.1	<0.5	1.8	63	<0.1	<0.1	<0.1	92	1.22
171581	Rock	0.81	<2	0.4	36.2	1.6	57	<0.1	28.3	16.3	255	2.99	1.5	<0.5	1.5	63	0.2	<0.1	<0.1	99	1.17
171582	Rock	0.80	<2	0.6	28.6	1.8	47	<0.1	11.1	14.1	204	3.01	2.3	<0.5	1.6	56	<0.1	<0.1	<0.1	98	1.10
171583	Rock	1.09	3	0.3	74.5	14.7	66	0.1	16.1	11.1	395	3.42	13.2	3.2	5.2	6	<0.1	0.4	0.2	64	0.14
171584	Rock	1.26	<2	0.3	30.3	2.3	51	<0.1	14.7	13.9	264	2.84	1.9	<0.5	1.7	65	<0.1	<0.1	<0.1	93	1.13
171585	Rock	1.21	<2	0.2	29.2	2.6	54	<0.1	16.6	13.8	285	2.88	2.0	<0.5	1.6	53	<0.1	<0.1	0.1	81	1.04
171586	Rock	0.93	<2	0.1	35.8	3.8	95	<0.1	39.9	25.8	631	5.14	6.5	<0.5	3.0	95	<0.1	0.4	0.2	206	1.37
171587	Rock	1.81	<2	0.5	51.9	4.1	62	<0.1	25.3	18.7	416	3.57	2.0	<0.5	3.6	52	<0.1	0.2	0.7	102	1.00
171588	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
171589	Rock	0.92	<2	0.8	62.1	4.4	61	<0.1	22.1	17.5	353	3.52	1.0	0.9	3.7	54	<0.1	<0.1	0.5	86	1.16
171590	Rock	1.29	<2	2.3	62.6	6.8	102	0.2	33.5	25.4	692	5.34	3.7	1.8	2.1	87	0.2	0.2	0.2	208	0.94
171591	Rock	0.76	2	1.7	83.1	4.4	83	0.1	34.1	26.5	504	4.15	2.3	<0.5	2.5	69	<0.1	0.2	0.1	93	0.78
171592	Rock	1.35	<2	6.0	80.2	6.1	64	0.1	39.3	23.6	453	4.37	2.5	<0.5	4.1	103	<0.1	<0.1	0.1	166	0.84
171593	Rock	1.93	<2	1.6	67.8	5.0	80	<0.1	30.2	21.0	533	4.86	0.8	1.0	3.9	69	0.1	<0.1	<0.1	131	0.94
171594	Rock	1.09	<2	1.8	44.1	11.2	71	<0.1	34.3	20.6	583	4.29	5.8	0.7	2.4	25	<0.1	0.2	0.1	111	0.28
171595	Rock	1.44	<2	0.4	44.5	7.3	67	<0.1	53.0	18.0	336	3.10	2.5	0.7	2.1	68	<0.1	<0.1	<0.1	80	1.53
171596	Rock	1.31	2	6.0	104.1	5.6	58	0.2	68.8	32.2	320	4.23	1.6	0.7	2.0	23	<0.1	<0.1	0.3	87	0.28
171597	Rock	0.96	<2	0.4	11.1	9.2	28	<0.1	4.5	2.0	125	0.76	2.5	<0.5	2.8	<1	<0.1	0.4	0.4	6	0.02
171598	Rock	1.33	3	1.8	40.9	29.2	220	0.2	13.1	6.3	209	1.55	4.3	4.5	2.3	4	0.8	0.5	0.5	16	0.03
171598A	Rock Pulp	0.05	1213	796.4	3122	87.3	91	30.3	17.7	7.3	375	2.20	25.7	1265	1.0	262	3.3	82.0	2.3	13	1.18
171598B	Rock Pulp	0.05	15	9.1	34.9	1.3	85	<0.1	14.3	6.7	1054	4.20	1.1	0.8	1.4	37	<0.1	0.3	<0.1	19	0.59

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

www.acmelab.com

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CERTIFICATE OF ANALYSIS

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
171547	Rock	0.021	8	38	0.81	132	0.086	2	1.84	0.018	0.67	<0.1	<0.01	4.9	0.3	0.32	6	<0.5	<0.2
171548	Rock	0.026	5	51	0.90	51	0.150	<1	2.13	0.033	0.76	0.2	<0.01	6.9	0.6	3.83	8	0.5	0.3
171549	Rock	0.016	6	111	1.97	204	0.243	1	4.00	0.029	1.53	0.2	<0.01	10.6	0.6	1.05	14	0.7	<0.2
171550	Rock	0.016	6	86	1.49	59	0.161	<1	3.36	0.028	1.08	0.2	<0.01	9.7	0.4	2.84	11	0.5	0.6
171550A	Rock Pulp	0.039	7	29	0.13	176	0.006	<1	0.30	0.037	0.16	5.6	3.40	0.7	<0.1	0.95	1	0.5	6.9
171550B	Rock Pulp	0.119	6	17	0.62	367	0.126	<1	1.41	0.161	0.82	6.5	<0.01	2.9	0.3	<0.05	6	<0.5	<0.2
171577	Rock	0.136	12	17	1.12	45	0.011	3	1.94	0.028	0.38	<0.1	<0.01	5.3	0.1	0.20	6	<0.5	<0.2
171578	Rock	0.266	7	15	1.86	40	0.003	2	2.15	0.001	0.17	0.1	<0.01	12.9	<0.1	0.55	3	<0.5	<0.2
171579	Rock	0.189	7	21	1.03	76	0.056	<1	1.47	0.059	0.14	0.2	<0.01	3.4	<0.1	0.23	6	<0.5	<0.2
171580	Rock	0.276	11	33	1.16	303	0.073	<1	1.27	0.120	0.48	<0.1	<0.01	3.4	<0.1	0.18	5	<0.5	<0.2
171581	Rock	0.248	9	43	1.37	268	0.091	<1	1.49	0.126	0.50	<0.1	<0.01	5.9	<0.1	0.21	6	<0.5	<0.2
171582	Rock	0.283	10	20	0.97	207	0.076	<1	1.09	0.115	0.30	<0.1	<0.01	3.6	<0.1	0.16	5	<0.5	<0.2
171583	Rock	0.054	10	23	1.09	144	0.066	<1	1.85	0.026	0.39	0.1	<0.01	4.7	0.2	0.11	6	<0.5	<0.2
171584	Rock	0.232	9	25	1.14	308	0.089	<1	1.46	0.148	0.64	<0.1	<0.01	4.3	0.1	0.13	5	<0.5	<0.2
171585	Rock	0.262	7	29	1.11	196	0.090	<1	1.44	0.102	0.41	0.2	<0.01	3.7	0.1	0.14	6	<0.5	<0.2
171586	Rock	0.327	13	85	2.77	430	0.122	<1	3.01	0.056	0.61	0.1	<0.01	14.3	0.2	0.07	12	<0.5	<0.2
171587	Rock	0.281	9	33	1.44	454	0.217	<1	1.95	0.115	0.82	0.2	<0.01	6.0	0.3	0.39	7	<0.5	<0.2
171588	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
171589	Rock	0.347	12	34	1.41	354	0.174	<1	1.75	0.117	0.42	0.2	<0.01	4.7	<0.1	0.39	7	<0.5	<0.2
171590	Rock	0.298	12	58	2.56	465	0.180	<1	3.19	0.099	0.62	0.2	0.01	12.1	0.2	0.24	12	0.7	<0.2
171591	Rock	0.175	9	55	2.28	342	0.167	<1	2.72	0.150	0.65	0.1	<0.01	7.0	0.2	0.52	8	<0.5	<0.2
171592	Rock	0.162	11	80	2.02	264	0.105	<1	3.03	0.179	0.45	0.1	<0.01	11.5	0.1	0.49	9	<0.5	<0.2
171593	Rock	0.229	10	80	2.53	395	0.128	<1	3.31	0.159	0.72	0.1	<0.01	13.2	0.1	0.39	10	1.0	<0.2
171594	Rock	0.040	7	66	1.84	257	0.062	2	3.59	0.049	0.54	0.1	<0.01	10.2	0.2	0.26	11	<0.5	<0.2
171595	Rock	0.091	6	122	1.68	139	0.101	<1	3.81	0.303	0.48	<0.1	<0.01	6.2	0.2	0.08	12	<0.5	<0.2
171596	Rock	0.083	5	94	1.81	150	0.073	1	2.99	0.074	0.67	<0.1	<0.01	7.5	0.2	1.16	9	1.2	<0.2
171597	Rock	0.006	5	10	0.49	15	0.004	<1	0.49	0.008	0.05	<0.1	<0.01	0.7	<0.1	<0.05	1	<0.5	<0.2
171598	Rock	0.008	6	23	0.84	105	0.024	<1	1.05	0.015	0.16	0.1	<0.01	1.5	<0.1	0.14	3	<0.5	<0.2
171598A	Rock Pulp	0.041	7	30	0.16	162	0.006	<1	0.31	0.040	0.17	5.2	3.28	0.8	<0.1	0.94	1	<0.5	6.6
171598B	Rock Pulp	0.135	8	17	0.68	398	0.155	<1	1.66	0.217	0.89	7.6	<0.01	3.2	0.3	<0.05	7	<0.5	<0.2

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



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

www.acmelab.com

Client: **Newmac Resources Inc.**
 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

Project: RAFT
 Report Date: August 28, 2012

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CERTIFICATE OF ANALYSIS

VAN12003862.1

Method	WGHT	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
171701	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
171702	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
171703	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
171704	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
171705	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
171706	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.



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

www.acmelab.com

Client: **Newmac Resources Inc.**
 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

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CERTIFICATE OF ANALYSIS

VAN12003862.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
171701	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
171702	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
171703	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
171704	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
171705	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
171706	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.



Acme Analytical Laboratories (Vancouver) Ltd.

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

www.acmelab.com

Client: **Newmac Resources Inc.**
Suite 2000 - 1066 West Hastings Street
Vancouver BC V6E 3X2 Canada

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QUALITY CONTROL REPORT

VAN12003862.1

Method	WGHT	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
171454	Rock	1.69	<2	2.5	41.4	10.7	95	<0.1	33.8	17.9	457	4.60	0.6	2.2	4.5	13	<0.1	<0.1	0.1	84	0.07
REP 171454	QC		<2																		
171457	Rock	1.25	<2	0.3	27.4	3.0	49	0.1	29.0	16.1	419	2.91	0.9	<0.5	3.8	58	<0.1	<0.1	<0.1	82	0.94
REP 171457	QC			0.3	27.2	3.1	50	0.1	28.5	16.0	409	2.87	0.7	<0.5	3.5	58	<0.1	<0.1	<0.1	79	0.91
171479	Rock	2.22	3	0.5	26.4	7.8	63	<0.1	27.8	12.5	299	3.22	<0.5	2.4	4.5	8	<0.1	<0.1	<0.1	57	0.23
REP 171479	QC			0.7	26.3	8.0	61	<0.1	28.5	13.0	289	3.23	0.8	2.1	4.6	9	<0.1	<0.1	<0.1	56	0.23
171487	Rock	1.25	<2	1.1	19.3	7.0	45	<0.1	10.2	6.4	206	2.76	0.9	3.0	3.7	6	<0.1	<0.1	<0.1	40	0.02
REP 171487	QC			0.9	19.7	6.7	43	<0.1	9.8	6.4	206	2.74	1.0	4.4	3.5	6	<0.1	<0.1	<0.1	40	0.02
171489	Rock	1.21	<2	1.7	34.4	8.4	61	<0.1	21.6	11.0	260	3.36	0.8	5.1	3.3	9	<0.1	0.1	<0.1	46	0.03
REP 171489	QC		<2																		
171525	Rock	1.28	<2	0.1	10.7	7.7	58	<0.1	17.0	9.3	432	2.57	1.6	<0.5	6.1	4	<0.1	<0.1	<0.1	21	0.02
REP 171525	QC			0.1	11.3	7.9	62	<0.1	18.0	9.2	436	2.60	1.7	0.7	6.5	4	<0.1	0.1	<0.1	21	0.02
171531	Rock	1.20	<2	0.1	22.8	3.1	52	<0.1	16.7	8.9	383	2.80	1.9	<0.5	4.8	6	<0.1	<0.1	0.2	34	0.07
REP 171531	QC			0.3	22.3	3.1	49	<0.1	17.7	9.3	380	2.76	1.7	0.9	4.7	6	<0.1	<0.1	0.2	33	0.07
171532	Rock	1.60	<2	0.9	26.2	2.9	53	<0.1	19.1	9.5	339	2.18	1.9	<0.5	8.8	10	<0.1	0.2	<0.1	34	0.08
REP 171532	QC		<2																		
REP 171582	QC			0.6	29.1	1.9	45	<0.1	10.8	14.6	206	3.06	2.4	<0.5	1.7	57	<0.1	<0.1	<0.1	98	1.12
171591	Rock	0.76	2	1.7	83.1	4.4	83	0.1	34.1	26.5	504	4.15	2.3	<0.5	2.5	69	<0.1	0.2	0.1	93	0.78
REP 171591	QC		<2	1.7	77.5	4.1	75	0.1	33.1	26.1	500	4.10	2.1	1.0	2.5	73	0.1	0.3	0.1	93	0.78
Core Reject Duplicates																					
171482	Rock	1.64	5	1.0	35.7	5.6	90	<0.1	26.3	17.2	481	4.46	<0.5	2.8	3.8	21	<0.1	<0.1	0.1	81	0.44
DUP 171482	QC	<0.01	<2	0.9	36.4	5.7	89	<0.1	27.3	17.0	490	4.47	<0.5	3.0	4.1	23	<0.1	<0.1	0.1	82	0.45
171582	Rock	0.80	<2	0.6	28.6	1.8	47	<0.1	11.1	14.1	204	3.01	2.3	<0.5	1.6	56	<0.1	<0.1	<0.1	98	1.10
DUP 171582	QC	<0.01	<2	0.5	28.0	2.3	47	0.1	12.2	13.9	225	3.04	2.9	<0.5	1.6	63	<0.1	<0.1	<0.1	97	1.09
Reference Materials																					
STD DS9	Standard			12.0	107.4	125.7	312	1.8	39.3	7.4	569	2.27	25.2	119.0	6.0	69	2.4	5.8	6.3	37	0.69
STD DS9	Standard			12.4	106.7	127.5	303	1.9	39.6	7.3	562	2.31	26.3	122.7	6.2	70	2.4	5.4	6.6	39	0.69
STD DS9	Standard			13.3	107.9	125.5	317	1.9	40.9	7.7	616	2.37	26.5	130.5	6.7	73	2.7	6.5	7.0	38	0.72



Acme Analytical Laboratories (Vancouver) Ltd.

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

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Client: **Newmac Resources Inc.**
 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

Project: RAFT
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QUALITY CONTROL REPORT

VAN12003862.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																				
171454	Rock	0.024	14	78	1.55	457	0.231	1	3.06	0.041	1.46	0.1	<0.01	11.2	0.5	0.06	11	<0.5	<0.2	
REP 171454	QC																			
171457	Rock	0.191	14	47	1.56	389	0.207	2	1.94	0.129	0.60	0.1	<0.01	6.0	0.2	0.07	7	<0.5	<0.2	
REP 171457	QC	0.192	13	46	1.55	383	0.199	<1	1.86	0.124	0.60	<0.1	<0.01	5.7	0.1	0.07	7	<0.5	<0.2	
171479	Rock	0.034	11	62	1.11	254	0.210	<1	2.10	0.054	0.84	0.2	<0.01	8.5	0.3	0.20	8	<0.5	<0.2	
REP 171479	QC	0.035	10	62	1.11	254	0.210	<1	2.09	0.054	0.84	0.2	<0.01	8.6	0.3	0.20	8	<0.5	<0.2	
171487	Rock	0.010	9	37	0.76	167	0.138	2	1.69	0.028	0.86	0.1	<0.01	5.6	0.3	<0.05	6	<0.5	<0.2	
REP 171487	QC	0.010	9	37	0.76	165	0.137	1	1.67	0.029	0.86	0.1	<0.01	5.1	0.3	<0.05	6	<0.5	<0.2	
171489	Rock	0.014	9	40	0.89	207	0.119	2	2.01	0.021	0.83	0.1	<0.01	5.9	0.3	0.05	7	<0.5	<0.2	
REP 171489	QC																			
171525	Rock	0.011	16	24	0.77	93	0.073	2	1.55	0.026	0.56	<0.1	<0.01	3.4	0.2	<0.05	5	<0.5	<0.2	
REP 171525	QC	0.012	16	25	0.77	97	0.074	<1	1.56	0.026	0.56	<0.1	<0.01	3.2	0.2	<0.05	5	<0.5	<0.2	
171531	Rock	0.021	8	41	1.04	254	0.146	<1	1.71	0.085	0.95	0.2	<0.01	6.5	0.4	0.31	7	<0.5	<0.2	
REP 171531	QC	0.019	9	42	1.02	253	0.147	1	1.68	0.088	0.93	0.2	<0.01	6.8	0.3	0.30	7	<0.5	<0.2	
171532	Rock	0.008	12	43	0.72	226	0.121	1	1.30	0.076	0.65	0.2	<0.01	5.2	0.3	0.09	6	<0.5	<0.2	
REP 171532	QC																			
REP 171582	QC	0.283	10	20	0.98	216	0.072	<1	1.13	0.115	0.30	<0.1	<0.01	3.8	<0.1	0.16	5	<0.5	<0.2	
171591	Rock	0.175	9	55	2.28	342	0.167	<1	2.72	0.150	0.65	0.1	<0.01	7.0	0.2	0.52	8	<0.5	<0.2	
REP 171591	QC	0.172	9	57	2.25	336	0.169	<1	2.77	0.145	0.65	0.1	<0.01	6.7	0.2	0.51	8	0.5	<0.2	
Core Reject Duplicates																				
171482	Rock	0.052	8	46	1.50	253	0.188	<1	3.04	0.079	0.99	0.1	<0.01	12.7	0.3	0.30	10	<0.5	<0.2	
DUP 171482	QC	0.051	9	48	1.53	258	0.199	2	3.16	0.081	0.98	<0.1	<0.01	12.8	0.3	0.29	10	<0.5	<0.2	
171582	Rock	0.283	10	20	0.97	207	0.076	<1	1.09	0.115	0.30	<0.1	<0.01	3.6	<0.1	0.16	5	<0.5	<0.2	
DUP 171582	QC	0.266	10	22	0.97	201	0.074	<1	1.17	0.128	0.28	<0.1	<0.01	4.5	<0.1	0.14	5	<0.5	<0.2	
Reference Materials																				
STD DS9	Standard	0.079	11	117	0.60	287	0.099	1	0.93	0.086	0.40	3.0	0.19	2.3	5.4	0.16	4	5.6	5.2	
STD DS9	Standard	0.081	12	119	0.61	290	0.100	2	0.93	0.082	0.39	3.1	0.22	2.1	5.3	0.16	5	5.7	5.5	
STD DS9	Standard	0.079	13	121	0.63	325	0.104	2	0.98	0.094	0.42	3.0	0.21	2.3	5.6	0.16	5	5.3	5.5	

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Acme Analytical Laboratories (Vancouver) Ltd.

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

www.acmelab.com

Client: **Newmac Resources Inc.**
 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

Project: RAFT
 Report Date: August 28, 2012

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QUALITY CONTROL REPORT

VAN12003862.1

	WGHT	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
STD DS9	Standard		14.1	112.1	124.6	304	1.8	41.6	7.4	590	2.39	25.9	116.9	6.4	68	2.6	5.4	6.7	39	0.73	
STD OXD87	Standard	431																			
STD OXD87	Standard	399																			
STD OXD87	Standard	413																			
STD OXD87	Standard	403																			
STD OXD87	Standard	455																			
STD OXG99	Standard	966																			
STD OXG99	Standard	1008																			
STD OXG99	Standard	957																			
STD OXG99	Standard	918																			
STD OXG99 Expected		932																			
STD DS9 Expected			12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	
STD OXD87 Expected		417																			
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	3																			
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank		<0.1	0.8	<0.1	<1	<0.1	<0.1	0.1	2	0.03	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	0.01	
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	1.2	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
BLK	Blank	3																			
Prep Wash																					
G1	Prep Blank	<0.01	<2	0.2	2.3	2.8	50	<0.1	4.6	4.6	621	2.03	<0.5	2.3	4.2	65	<0.1	<0.1	<0.1	35	0.47
G1	Prep Blank	<0.01	<2	0.1	2.3	2.9	51	<0.1	4.4	4.5	594	2.04	0.8	2.7	4.5	54	<0.1	<0.1	<0.1	34	0.47

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

www.acmelab.com

Client: **Newmac Resources Inc.**
 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

Project: RAFT
 Report Date: August 28, 2012

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QUALITY CONTROL REPORT

VAN12003862.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
STD DS9	Standard	0.082	14	119	0.64	311	0.113	2	0.98	0.084	0.40	2.9	0.21	2.3	5.7	0.16	4	6.1	5.7	
STD OXD87	Standard																			
STD OXD87	Standard																			
STD OXD87	Standard																			
STD OXD87	Standard																			
STD OXD87	Standard																			
STD OXG99	Standard																			
STD OXG99	Standard																			
STD OXG99	Standard																			
STD OXG99	Standard																			
STD OXG99 Expected																				
STD DS9 Expected		0.0819	13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02	
STD OXD87 Expected																				
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank	0.002	<1	<1	0.01	3	<0.001	<1	0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank																			
Prep Wash																				
G1	Prep Blank	0.077	9	6	0.60	247	0.122	1	1.08	0.099	0.52	<0.1	<0.01	2.3	0.3	<0.05	6	<0.5	<0.2	
G1	Prep Blank	0.073	9	7	0.60	244	0.117	1	0.99	0.090	0.50	<0.1	<0.01	2.2	0.3	<0.05	5	<0.5	<0.2	

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Newmac Resources Inc.
Suite 2000 - 1066 West Hastings Street
Vancouver BC V6E 3X2 Canada

Submitted By: Andrea Yuan
Receiving Lab: Canada-Vancouver
Received: August 17, 2012
Report Date: August 27, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN12003863.1

CLIENT JOB INFORMATION

Project: RAFT
Shipment ID:
P.O. Number
Number of Samples: 11

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

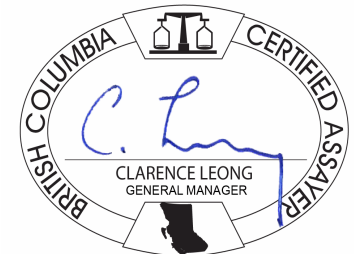
Invoice To: Newmac Resources Inc.
Suite 2000 - 1066 West Hastings Street
Vancouver BC V6E 3X2
Canada

CC: William A. Howell
David Bridge

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include methods like Dry at 60C, SS80, 3B01, and 1DX2.

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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

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Project: RAFT
 Report Date: August 27, 2012

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CERTIFICATE OF ANALYSIS

VAN12003863.1

Method	Analyte	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
171551	Soil	<2	0.6	30.1	16.5	87	<0.1	34.1	23.3	626	3.11	10.2	2.2	9.3	11	<0.1	0.3	0.4	38	0.13	0.058	
171552	Soil	3	0.5	28.7	14.3	74	<0.1	27.4	16.1	417	2.70	8.9	3.1	8.6	11	0.1	0.2	0.3	30	0.14	0.045	
171553	Soil	<2	0.5	24.8	13.5	68	<0.1	26.8	15.0	309	2.54	6.9	2.9	7.6	11	<0.1	0.2	0.3	29	0.16	0.048	
171554	Soil	5	0.8	26.2	13.8	65	<0.1	26.2	15.6	402	2.46	7.4	1.4	9.1	9	<0.1	0.3	0.3	27	0.14	0.052	
171555	Soil	<2	0.5	26.8	11.7	62	<0.1	26.0	14.3	312	2.38	6.2	0.8	7.0	8	0.1	0.3	0.3	27	0.18	0.054	
171556	Soil	<2	0.7	30.6	14.4	67	<0.1	32.6	17.6	485	2.44	8.7	5.0	8.3	10	<0.1	0.3	0.3	26	0.16	0.053	
171557	Soil	<2	0.7	38.4	15.8	75	<0.1	30.9	19.9	479	2.73	9.5	1.9	8.5	11	0.1	0.3	0.3	33	0.15	0.053	
171558	Soil	<2	0.7	33.4	16.4	74	<0.1	29.8	19.4	470	2.73	10.7	<0.5	8.9	11	0.1	0.3	0.3	33	0.15	0.052	
171559	Soil	<2	0.6	30.9	13.2	69	<0.1	31.3	16.0	440	2.34	9.3	2.4	7.0	10	0.2	0.3	0.3	27	0.16	0.048	
171462	Soil	<2	0.7	41.1	17.8	89	0.1	39.6	17.5	613	3.20	6.4	<0.5	10.1	21	0.2	0.1	0.4	43	0.24	0.052	
171576	Soil	<2	0.5	34.2	15.8	75	0.1	31.6	13.0	485	2.63	8.6	2.0	7.9	32	<0.1	0.2	0.4	34	0.61	0.055	



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

www.acmelab.com

Client: **Newmac Resources Inc.**
 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

Project: RAFT
 Report Date: August 27, 2012

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CERTIFICATE OF ANALYSIS

VAN12003863.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
171551	Soil	22	37	0.92	72	0.071	2	1.93	0.008	0.18	1.3	<0.01	4.1	0.2	<0.05	6	0.6	<0.2
171552	Soil	20	31	0.78	59	0.059	<1	1.53	0.009	0.16	1.2	<0.01	3.4	0.2	<0.05	5	<0.5	<0.2
171553	Soil	17	29	0.74	54	0.055	1	1.42	0.010	0.16	2.4	<0.01	3.0	0.2	<0.05	5	<0.5	<0.2
171554	Soil	21	28	0.70	53	0.050	<1	1.33	0.007	0.15	1.3	0.01	2.8	0.2	<0.05	5	<0.5	<0.2
171555	Soil	15	29	0.71	48	0.045	2	1.21	0.007	0.17	1.1	<0.01	2.8	0.1	<0.05	4	1.2	<0.2
171556	Soil	20	27	0.63	54	0.047	<1	1.16	0.006	0.16	1.2	<0.01	2.7	0.2	<0.05	4	<0.5	<0.2
171557	Soil	20	33	0.75	67	0.057	1	1.43	0.007	0.16	1.3	<0.01	3.5	0.2	<0.05	5	<0.5	<0.2
171558	Soil	21	31	0.70	62	0.055	<1	1.38	0.007	0.15	1.3	<0.01	3.2	0.2	<0.05	5	<0.5	<0.2
171559	Soil	16	27	0.65	53	0.040	<1	1.14	0.006	0.16	1.2	<0.01	2.5	0.1	<0.05	4	<0.5	<0.2
171462	Soil	24	42	0.97	111	0.047	1	1.86	0.015	0.35	0.3	<0.01	4.3	0.2	<0.05	7	<0.5	<0.2
171576	Soil	18	34	0.88	78	0.040	1	1.47	0.010	0.27	0.5	<0.01	3.2	0.2	<0.05	6	<0.5	<0.2



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

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Client: Newmac Resources Inc.
 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

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Report Date: August 27, 2012

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QUALITY CONTROL REPORT

VAN12003863.1

Method	Analyte	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Unit		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
MDL		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Pulp Duplicates		2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
171551	Soil	<2	0.6	30.1	16.5	87	<0.1	34.1	23.3	626	3.11	10.2	2.2	9.3	11	<0.1	0.3	0.4	38	0.13	0.058
REP 171551	QC		0.6	30.0	16.2	86	<0.1	33.7	21.4	613	3.03	9.6	1.5	9.6	11	<0.1	0.3	0.4	34	0.13	0.055
171553	Soil	<2	0.5	24.8	13.5	68	<0.1	26.8	15.0	309	2.54	6.9	2.9	7.6	11	<0.1	0.2	0.3	29	0.16	0.048
REP 171553	QC	2																			
Reference Materials																					
STD DS9	Standard		13.0	99.4	121.3	290	1.8	36.0	7.0	565	2.20	24.9	139.8	7.1	73	2.3	5.7	6.2	40	0.70	0.081
STD OXA71	Standard	71																			
STD OXA71	Standard	75																			
STD DS9 Expected			12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
STD OXA71 Expected		84.9																			
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<2																			
BLK	Blank	<2																			



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: Newmac Resources Inc.
Suite 2000 - 1066 West Hastings Street
Vancouver BC V6E 3X2 Canada

Project: RAFT
Report Date: August 27, 2012

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QUALITY CONTROL REPORT

VAN12003863.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
171551	Soil	22	37	0.92	72	0.071	2	1.93	0.008	0.18	1.3	<0.01	4.1	0.2	<0.05	6	0.6	<0.2
REP 171551	QC	21	36	0.91	68	0.070	2	1.84	0.009	0.18	1.4	<0.01	4.1	0.2	<0.05	6	<0.5	<0.2
171553	Soil	17	29	0.74	54	0.055	1	1.42	0.010	0.16	2.4	<0.01	3.0	0.2	<0.05	5	<0.5	<0.2
REP 171553	QC																	
Reference Materials																		
STD DS9	Standard	14	110	0.58	305	0.113	2	0.93	0.089	0.35	2.9	0.20	2.6	5.5	0.07	5	5.0	5.6
STD OXA71	Standard																	
STD OXA71	Standard																	
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
STD OXA71 Expected																		
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank																	
BLK	Blank																	



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

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Client: Newmac Resources Inc.
Suite 2000 - 1066 West Hastings Street
Vancouver BC V6E 3X2 Canada

Submitted By: Andrea Yuan
Receiving Lab: Canada-Vancouver
Received: August 21, 2012
Report Date: August 30, 2012
Page: 1 of 3

CERTIFICATE OF ANALYSIS

VAN12003943.1

CLIENT JOB INFORMATION

Project: RAFT
Shipment ID:
P.O. Number
Number of Samples: 35

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT Dispose of Reject After 90 days

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Newmac Resources Inc.
Suite 2000 - 1066 West Hastings Street
Vancouver BC V6E 3X2
Canada

CC: Bill Howell
David Bridge

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include R200-250, 3B01, and 1DX2.

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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

www.acmelab.com

Client: **Newmac Resources Inc.**
 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

Project: RAFT
 Report Date: August 30, 2012

Page: 2 of 3

Part: 1 of 2

CERTIFICATE OF ANALYSIS

VAN12003943.1

Method	WGHT	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
G1	Prep Blank	<0.01	<2	0.1	1.8	2.3	49	<0.1	3.6	4.3	587	1.93	<0.5	4.8	4.5	51	<0.1	<0.1	<0.1	36	0.43
G1	Prep Blank	<0.01	<2	0.1	1.5	3.0	46	<0.1	3.6	4.2	549	1.82	<0.5	2.4	4.4	49	<0.1	<0.1	<0.1	34	0.41
171701	Rock	0.99	8	11.4	237.9	12.0	101	0.2	70.9	31.4	606	5.32	1.0	11.1	1.9	6	0.1	0.2	0.3	60	0.05
171702	Rock	1.03	<2	2.7	75.4	12.2	83	<0.1	29.9	14.5	656	4.05	0.8	3.7	3.7	12	<0.1	0.1	0.1	48	0.41
171703	Rock	1.56	21	1.8	208.8	4.7	76	0.3	25.7	29.6	580	4.56	1.7	25.0	1.4	19	<0.1	<0.1	0.3	109	0.53
171704	Rock	1.03	95	0.7	78.9	3.9	135	0.2	34.1	40.3	624	5.29	7.6	86.7	1.0	33	<0.1	<0.1	0.1	254	0.37
171705	Rock	1.73	4	2.8	69.9	7.1	53	0.2	26.5	15.6	598	3.46	2.0	3.3	3.1	46	0.1	0.2	0.3	80	0.30
171706	Rock	1.19	3	2.0	88.7	5.8	93	<0.1	47.0	17.6	663	4.22	1.1	0.7	2.5	54	<0.1	<0.1	0.2	65	0.10
171707	Rock	1.07	<2	2.0	55.9	3.2	86	<0.1	27.1	11.6	426	3.51	0.9	3.8	6.4	9	<0.1	<0.1	<0.1	85	0.10
171708	Rock	1.53	<2	2.1	88.1	4.9	127	0.1	39.4	16.6	584	4.25	1.3	4.2	5.4	32	0.1	<0.1	0.1	96	0.17
171709	Rock	1.07	<2	2.4	44.3	4.7	100	0.1	19.5	12.9	550	3.64	1.7	2.7	6.6	24	0.1	<0.1	0.2	94	0.44
171710	Rock	1.52	<2	2.4	27.7	3.5	150	<0.1	103.2	24.1	1083	6.31	0.7	1.3	7.9	28	<0.1	<0.1	0.1	148	0.33
171711	Rock	0.75	<2	1.4	71.3	8.8	113	0.2	32.7	17.0	578	4.09	7.9	2.0	6.8	13	<0.1	0.2	0.2	90	0.10
171712	Rock	0.46	<2	3.0	20.1	2.7	69	<0.1	13.5	11.5	627	3.40	2.0	0.8	3.0	16	<0.1	<0.1	0.1	93	0.32
171713	Rock	0.81	<2	0.5	55.4	4.2	43	<0.1	17.3	11.3	320	2.45	1.9	2.3	4.2	48	<0.1	<0.1	0.2	64	0.77
171714	Rock	1.61	2	1.3	25.9	5.2	57	0.2	19.5	10.2	480	2.60	2.6	1.2	5.9	77	<0.1	<0.1	0.2	54	0.90
171715	Rock	1.51	4	1.3	76.5	5.7	84	0.2	43.9	21.7	677	4.39	1.3	2.4	5.0	37	0.1	<0.1	0.3	96	0.88
171716	Rock	1.04	16	2.0	89.9	5.3	97	0.1	24.3	18.0	725	4.13	<0.5	15.2	6.3	92	0.1	<0.1	0.1	161	2.01
171717	Rock	0.81	9	2.5	25.1	3.9	83	<0.1	33.7	16.7	585	3.71	0.8	37.7	8.4	20	<0.1	0.1	<0.1	88	0.18
171718	Rock	1.16	3	0.2	12.5	14.1	111	<0.1	39.2	41.0	1453	5.74	<0.5	12.1	2.1	71	<0.1	<0.1	<0.1	233	2.45
171719	Rock	1.78	<2	0.3	12.2	16.7	110	<0.1	19.1	27.0	1182	4.61	<0.5	4.2	2.8	102	<0.1	<0.1	<0.1	195	2.75
171720	Rock	1.23	<2	0.4	25.6	1.9	72	<0.1	8.5	13.7	557	3.69	<0.5	1.5	1.3	73	<0.1	<0.1	<0.1	112	0.85
171721	Rock	1.57	4	1.1	67.7	5.1	64	0.1	46.7	20.4	469	3.50	8.4	3.6	4.5	48	<0.1	<0.1	0.2	55	0.93
171722	Rock	1.56	5	1.3	56.7	5.4	76	0.1	48.9	19.1	732	3.68	5.8	2.4	8.5	172	<0.1	0.1	0.2	56	1.90
171723	Rock	0.86	13	2.5	59.5	4.3	82	0.1	42.2	19.0	467	3.70	2.5	1.1	3.6	6	<0.1	<0.1	0.2	62	0.05
171724	Rock	1.02	<2	0.6	35.2	5.5	41	<0.1	25.3	11.5	321	2.28	2.3	<0.5	5.6	33	<0.1	0.2	0.1	33	0.57
171725	Rock	1.57	1568	1.3	190.2	6.3	64	0.4	87.3	566.4	432	9.46	>10000	1584	2.9	120	0.1	0.5	6.3	263	1.94
171725A	Rock Pulp	0.05	1124	804.3	3141	83.3	91	30.1	18.0	7.6	378	2.13	34.9	1035	1.1	260	4.3	77.4	2.2	15	1.19
171725B	Rock Pulp	0.05	7	8.8	36.6	1.3	85	<0.1	14.0	6.8	1058	4.07	1.6	2.2	1.5	38	<0.1	0.2	<0.1	20	0.57
171726	Rock	1.60	3	1.1	28.6	6.3	71	<0.1	28.6	12.9	502	3.90	31.4	3.4	5.3	9	<0.1	0.2	0.1	63	0.04



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

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Client: **Newmac Resources Inc.**
 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

Project: RAFT
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CERTIFICATE OF ANALYSIS

VAN12003943.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
G1	Prep Blank	0.080	8	9	0.60	224	0.119	1	0.91	0.066	0.46	<0.1	<0.01	2.2	0.2	<0.05	5	<0.5	<0.2
G1	Prep Blank	0.078	7	8	0.57	217	0.114	<1	0.87	0.063	0.45	<0.1	<0.01	2.1	0.3	<0.05	5	<0.5	<0.2
171701	Rock	0.019	6	66	1.58	141	0.139	1	2.65	0.017	0.86	<0.1	<0.01	7.5	0.2	1.15	9	1.3	0.2
171702	Rock	0.179	13	42	1.41	382	0.143	<1	2.37	0.026	0.80	0.1	<0.01	6.6	0.2	0.27	9	<0.5	<0.2
171703	Rock	0.089	4	22	1.41	96	0.272	<1	2.75	0.085	1.26	0.2	<0.01	11.7	0.3	1.50	10	0.8	<0.2
171704	Rock	0.048	3	52	2.15	429	0.391	<1	3.84	0.100	2.13	0.2	<0.01	18.1	0.8	0.52	12	<0.5	<0.2
171705	Rock	0.071	7	34	1.14	271	0.177	<1	2.00	0.054	0.91	0.1	<0.01	6.4	0.3	0.53	6	1.3	<0.2
171706	Rock	0.016	6	70	1.61	430	0.250	<1	3.33	0.044	1.83	0.5	<0.01	10.3	0.5	0.45	11	<0.5	<0.2
171707	Rock	0.011	14	47	1.15	876	0.331	<1	1.87	0.034	1.10	<0.1	<0.01	8.0	0.3	0.10	8	<0.5	<0.2
171708	Rock	0.015	11	83	1.44	980	0.396	<1	2.74	0.059	1.78	0.2	<0.01	11.6	0.5	0.22	12	<0.5	<0.2
171709	Rock	0.134	20	38	1.30	906	0.346	<1	2.15	0.067	1.38	0.2	<0.01	8.8	0.4	0.11	9	<0.5	<0.2
171710	Rock	0.059	12	207	2.67	2924	0.639	<1	4.02	0.063	3.15	0.3	<0.01	21.1	0.7	0.08	14	<0.5	<0.2
171711	Rock	0.021	13	70	1.43	589	0.238	<1	2.74	0.029	1.31	0.1	<0.01	9.6	0.3	0.25	10	<0.5	<0.2
171712	Rock	0.121	7	32	1.17	733	0.380	<1	2.19	0.055	1.59	0.4	<0.01	9.3	0.5	0.09	9	<0.5	<0.2
171713	Rock	0.040	9	33	0.92	196	0.144	<1	2.41	0.142	0.81	0.2	<0.01	7.2	0.3	0.37	8	<0.5	<0.2
171714	Rock	0.061	13	37	0.90	490	0.234	1	2.54	0.060	1.06	0.4	<0.01	7.1	0.3	0.10	9	<0.5	<0.2
171715	Rock	0.199	12	71	1.33	401	0.327	<1	3.07	0.132	1.55	0.2	<0.01	9.8	0.4	0.53	11	0.9	<0.2
171716	Rock	0.122	16	24	1.25	640	0.309	2	4.40	0.124	1.55	2.8	<0.01	14.2	0.5	0.36	12	<0.5	<0.2
171717	Rock	0.012	20	75	1.28	633	0.349	<1	2.36	0.054	1.23	<0.1	<0.01	9.4	0.4	<0.05	10	<0.5	<0.2
171718	Rock	0.063	6	58	2.53	686	0.253	9	6.25	0.150	2.18	0.3	<0.01	30.0	0.6	<0.05	14	<0.5	<0.2
171719	Rock	0.068	6	54	2.06	667	0.232	16	5.75	0.071	2.16	0.3	<0.01	23.8	0.6	<0.05	13	<0.5	<0.2
171720	Rock	0.243	10	15	1.40	829	0.288	<1	2.15	0.108	1.20	0.1	<0.01	5.5	0.3	0.12	8	<0.5	<0.2
171721	Rock	0.029	10	68	1.19	243	0.206	1	2.55	0.045	1.14	1.5	<0.01	8.2	0.3	0.61	9	1.0	<0.2
171722	Rock	0.036	15	59	1.20	205	0.192	1	4.34	0.123	0.86	0.2	<0.01	7.8	0.3	0.55	13	0.5	<0.2
171723	Rock	0.017	9	73	1.18	300	0.223	<1	2.40	0.038	1.19	<0.1	<0.01	9.5	0.4	0.51	9	<0.5	<0.2
171724	Rock	0.032	12	29	0.61	57	0.101	<1	1.44	0.049	0.22	1.2	<0.01	4.2	<0.1	0.38	5	<0.5	<0.2
171725	Rock	0.170	8	5	1.55	60	0.066	<1	4.45	0.118	1.02	0.4	<0.01	14.6	0.4	2.73	14	10.3	10.4
171725A	Rock Pulp	0.041	7	31	0.14	146	0.007	1	0.34	0.034	0.16	5.3	3.45	0.9	<0.1	0.99	2	<0.5	6.5
171725B	Rock Pulp	0.142	8	18	0.68	402	0.160	<1	1.57	0.154	0.90	8.0	<0.01	3.0	0.2	<0.05	6	<0.5	<0.2
171726	Rock	0.012	12	62	1.30	442	0.209	1	2.65	0.029	1.28	<0.1	0.01	9.4	0.3	0.12	9	<0.5	<0.2

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



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

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Client: **Newmac Resources Inc.**
 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

Project: RAFT
 Report Date: August 30, 2012

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CERTIFICATE OF ANALYSIS

VAN12003943.1

Method	WGHT	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
171727	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	
171728	Rock	1.64	3	1.8	37.6	4.7	59	<0.1	18.8	14.9	353	3.42	28.5	2.6	8.1	37	<0.1	<0.1	<0.1	101	0.41
171729	Rock	1.35	12	1.4	45.3	20.2	74	0.5	28.9	15.5	442	4.30	52.4	18.1	5.2	16	<0.1	0.7	0.3	84	0.21
171730	Rock	1.43	<2	0.5	56.9	6.5	65	0.1	29.7	14.3	574	2.74	6.4	5.5	6.7	63	0.3	0.2	0.2	37	1.93
171731	Rock	1.57	95	3.0	137.7	52.5	286	3.9	78.1	33.4	1166	4.93	146.5	81.5	1.4	20	0.7	2.4	0.6	61	0.40
171732	Rock	1.16	5	0.7	35.3	6.4	87	0.2	20.0	15.8	682	3.83	2.9	13.6	4.7	34	<0.1	0.1	<0.1	110	0.75
WHWP 608	Rock	0.90	159	0.3	3257	12.8	50	1.3	102.4	98.3	558	25.86	<0.5	143.9	4.0	22	0.2	<0.1	28.0	25	0.44



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

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Client: **Newmac Resources Inc.**
 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

Project: RAFT
 Report Date: August 30, 2012

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CERTIFICATE OF ANALYSIS

VAN12003943.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
171727	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	
171728	Rock	0.063	13	34	1.35	592	0.257	<1	2.33	0.094	1.05	0.1	<0.01	8.8	0.2	0.19	8	<0.5	<0.2
171729	Rock	0.059	9	50	1.23	345	0.223	<1	2.33	0.047	1.12	0.3	<0.01	7.8	0.4	0.30	9	<0.5	<0.2
171730	Rock	0.493	11	46	0.96	134	0.063	<1	1.97	0.046	0.30	3.8	<0.01	4.3	0.2	0.33	6	<0.5	<0.2
171731	Rock	0.052	4	103	1.53	90	0.180	<1	2.05	0.049	1.01	0.2	<0.01	5.7	0.4	1.77	7	1.2	<0.2
171732	Rock	0.217	14	30	1.60	607	0.307	<1	2.13	0.076	1.25	0.1	<0.01	5.2	0.3	0.32	8	<0.5	<0.2
WHWP 608	Rock	0.028	13	28	1.04	16	0.139	<1	2.52	0.021	0.87	50.5	<0.01	1.9	0.9	9.41	15	18.3	1.1



Acme Analytical Laboratories (Vancouver) Ltd.

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

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Vancouver BC V6E 3X2 Canada

Project: RAFT
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QUALITY CONTROL REPORT

VAN12003943.1

Method	WGHT	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
171703	Rock	1.56	21	1.8	208.8	4.7	76	0.3	25.7	29.6	580	4.56	1.7	25.0	1.4	19	<0.1	<0.1	0.3	109	0.53
REP 171703	QC			1.6	209.1	4.8	75	0.2	25.5	29.5	585	4.58	1.6	30.3	1.4	18	0.1	<0.1	0.3	109	0.53
171721	Rock	1.57	4	1.1	67.7	5.1	64	0.1	46.7	20.4	469	3.50	8.4	3.6	4.5	48	<0.1	<0.1	0.2	55	0.93
REP 171721	QC		<2																		
171732	Rock	1.16	5	0.7	35.3	6.4	87	0.2	20.0	15.8	682	3.83	2.9	13.6	4.7	34	<0.1	0.1	<0.1	110	0.75
REP 171732	QC			0.7	35.5	6.4	87	0.2	20.0	15.6	680	3.83	2.8	7.1	4.6	34	<0.1	0.1	<0.1	110	0.75
Core Reject Duplicates																					
171707	Rock	1.07	<2	2.0	55.9	3.2	86	<0.1	27.1	11.6	426	3.51	0.9	3.8	6.4	9	<0.1	<0.1	<0.1	85	0.10
DUP 171707	QC	<0.01	<2	2.2	66.3	3.7	104	<0.1	33.3	13.9	519	3.89	0.9	2.2	7.9	12	<0.1	<0.1	0.1	94	0.12
Reference Materials																					
STD DS9	Standard			12.0	111.0	128.1	304	1.9	39.5	7.7	573	2.27	25.5	126.2	6.3	69	2.7	5.9	7.1	40	0.71
STD DS9	Standard			12.8	110.3	123.4	303	1.8	39.3	7.4	561	2.28	24.7	120.7	5.7	65	2.4	5.8	5.6	39	0.70
STD OXD87	Standard		443																		
STD OXD87	Standard		387																		
STD OXD87	Standard		407																		
STD OXD87	Standard		428																		
STD OXG99	Standard		981																		
STD OXG99	Standard		902																		
STD OXG99	Standard		899																		
STD OXG99	Standard		921																		
STD OXD87 Expected			417																		
STD OXG99 Expected			932																		
STD DS9 Expected			12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		3																		
BLK	Blank		6																		



Acme Analytical Laboratories (Vancouver) Ltd.

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

www.acmelab.com

Client: **Newmac Resources Inc.**
 Suite 2000 - 1066 West Hastings Street
 Vancouver BC V6E 3X2 Canada

Project: RAFT
 Report Date: August 30, 2012

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QUALITY CONTROL REPORT

VAN12003943.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																				
171703	Rock	0.089	4	22	1.41	96	0.272	<1	2.75	0.085	1.26	0.2	<0.01	11.7	0.3	1.50	10	0.8	<0.2	
REP 171703	QC	0.088	4	22	1.40	93	0.258	1	2.70	0.085	1.25	0.2	<0.01	11.3	0.4	1.49	10	0.8	<0.2	
171721	Rock	0.029	10	68	1.19	243	0.206	1	2.55	0.045	1.14	1.5	<0.01	8.2	0.3	0.61	9	1.0	<0.2	
REP 171721	QC																			
171732	Rock	0.217	14	30	1.60	607	0.307	<1	2.13	0.076	1.25	0.1	<0.01	5.2	0.3	0.32	8	<0.5	<0.2	
REP 171732	QC	0.213	15	31	1.60	614	0.311	<1	2.12	0.076	1.23	0.2	<0.01	5.3	0.3	0.32	8	<0.5	<0.2	
Core Reject Duplicates																				
171707	Rock	0.011	14	47	1.15	876	0.331	<1	1.87	0.034	1.10	<0.1	<0.01	8.0	0.3	0.10	8	<0.5	<0.2	
DUP 171707	QC	0.013	17	57	1.35	1019	0.401	<1	2.33	0.050	1.48	0.2	<0.01	9.8	0.3	0.19	9	<0.5	<0.2	
Reference Materials																				
STD DS9	Standard	0.081	12	121	0.62	295	0.112	2	0.93	0.077	0.38	3.0	0.21	2.4	5.6	0.17	4	5.3	5.2	
STD DS9	Standard	0.083	12	120	0.62	295	0.107	3	0.92	0.083	0.40	3.0	0.22	2.2	5.7	0.16	5	5.2	5.0	
STD OXD87	Standard																			
STD OXD87	Standard																			
STD OXD87	Standard																			
STD OXD87	Standard																			
STD OXG99	Standard																			
STD OXG99	Standard																			
STD OXG99	Standard																			
STD OXG99	Standard																			
STD OXD87 Expected																				
STD OXG99 Expected																				
STD DS9 Expected		0.0819	13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02	
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			

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



Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
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Client: **Newmac Resources Inc.**
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QUALITY CONTROL REPORT

VAN12003943.1

		WGHT	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
BLK	Blank		<2																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank			<0.1	0.7	<0.1	<1	<0.1	<0.1	<0.1	1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1	Prep Blank	<0.01	<2	0.1	1.8	2.3	49	<0.1	3.6	4.3	587	1.93	<0.5	4.8	4.5	51	<0.1	<0.1	<0.1	36	0.43
G1	Prep Blank	<0.01	<2	0.1	1.5	3.0	46	<0.1	3.6	4.2	549	1.82	<0.5	2.4	4.4	49	<0.1	<0.1	<0.1	34	0.41



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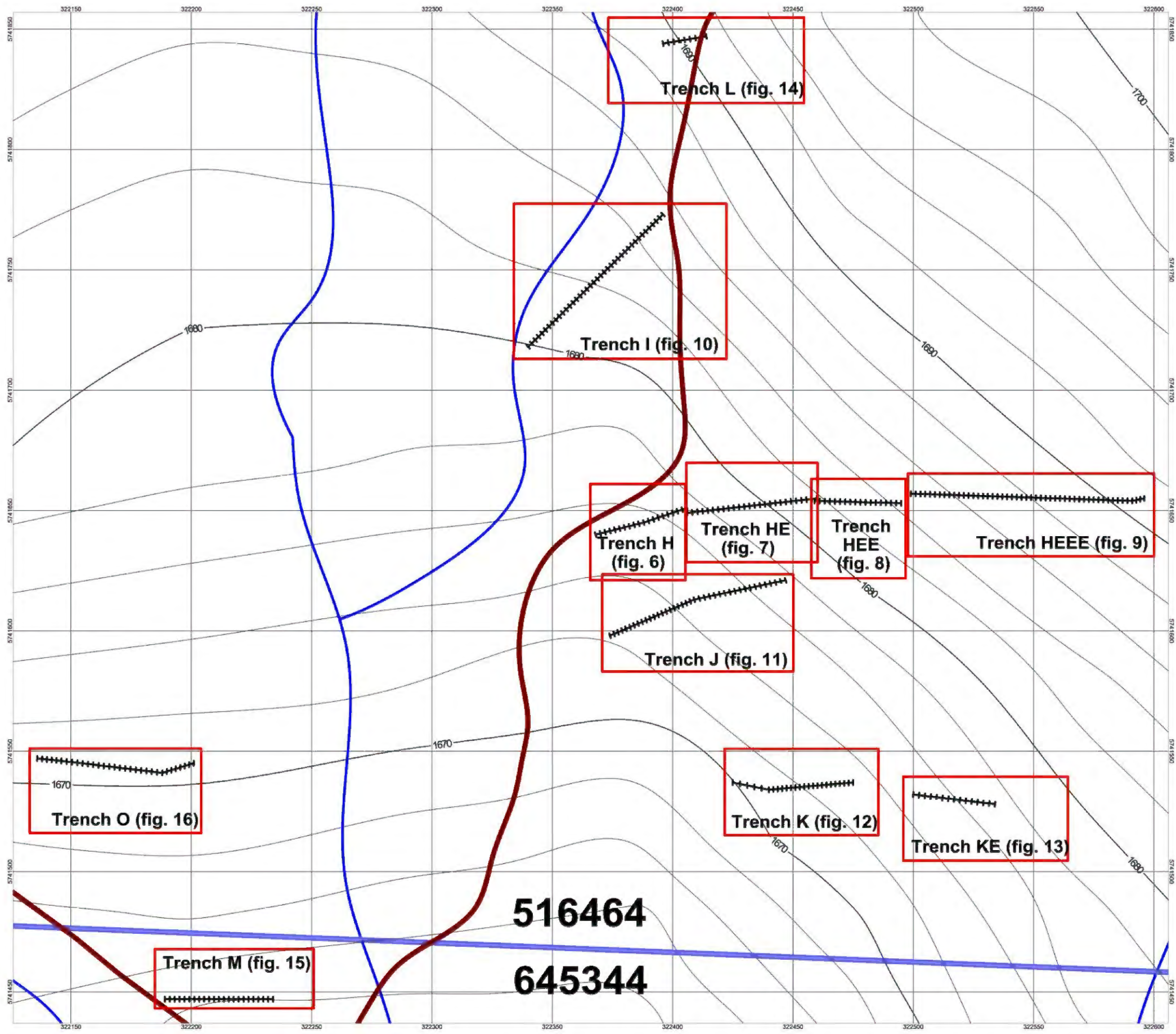
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QUALITY CONTROL REPORT

VAN12003943.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
BLK	Blank																			
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank																			
BLK	Blank																			
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
Prep Wash																				
G1	Prep Blank	0.080	8	9	0.60	224	0.119	1	0.91	0.066	0.46	<0.1	<0.01	2.2	0.2	<0.05	5	<0.5	<0.2	
G1	Prep Blank	0.078	7	8	0.57	217	0.114	<1	0.87	0.063	0.45	<0.1	<0.01	2.1	0.3	<0.05	5	<0.5	<0.2	



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- CLAIM OUTLINE
- ROADS
- CREEKS



NEWMAC RESOURCES INC.				
RAFT PROPERTY				
MARTIN CREEK, CLEARWATER AREA, KAMLOOPS MD, BC				
COMPILATION MAP				
TRENCH LOCATION GRID				
DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
CAM	13-02	82M/13	JAN '13	5

Table 2 Trench Data

Raft Property Trenching 2012 - Table 2

Trench H

From (m)	To (m)	Sample Number	Description	NAD 83 Zone 11 UTM			Gold (ppb)	Silver (ppm)	Arsenic (ppm)	Copper (ppm)
				Northing	Easting	Elev.				
0	2		No sample	5741651	322406	1689				
2	4	171252	Soil				23	0.2	87.7	69.2
4	6	171253	Soil				21	0.2	85.8	62.9
6	8	171254	Ankerite altered meta-volcanic				5	0.1	32.3	22.2
8	10	171255	Ankerite altered meta-volcanic				989	4.4	1205.3	119.6
10	12	171256	Ankerite altered meta-volcanic				645	2.5	>10000.0	12
12	14	171257	Ankerite altered meta-volcanic				118	0.7	203.6	33.4
14	16	171258	Clay- pyrite altered medium granite				11	0.2	27.4	7.8
16	18	171259	Ankerite - clay altered biotite schist				17	0.4	111.5	37.5
18	20	171260	Quartz Vein - Pyrite, ankerite altered meta volcanic	5741645	322388	1690	348	4	442.6	89.5
20	22	171261	Ankerite altered meta-volcanic with pyrite				6	0.2	27.2	21.4
22	24	171262	Clay- pyrite altered medium granite				<2	<0.1	6.6	7.5
24	26	171263	Clay- altered medium granite				2	<0.1	3.3	20.8
26	28	171264	Quartz Vein - Pyrite, ankerite altered meta volcanic				58	2.3	136.7	164.6
28	30	171264B	Dark green meta-volcanic				<2	<0.1	2.9	15.1
30	32	171265	Clay altered meta-volcanic				7	0.5	55.2	67.3
32	34	171266	Sericite - pyrite altered volcanic				6	0.1	34.2	17.6
34	36	171267	Meta-volcanic - pyrite - sericite				<2	<0.1	13.6	29
36	38	171268	Chlorite - sericite - pyrite altered volcanic				<2	0.1	34.6	23.5
38	40	171268B	Chlorite - sericite - pyrite altered volcanic	5741640	322368	1689	6	0.3	37.8	88.4
		171269	15 cm inside sample 171260				39630	84.8	714.8	7.8

Table 2 Trench Data

Trench HE		Sample Number	Description	NAD 83 Zone 11 UTM			Gold (ppb)	Silver (ppm)	Arsenic (ppm)	Copper (ppm)
From (m)	To (m)			Northing	Easting	Elev.				
0	2	171275	Clay altered granite	5741655	322460	1695	<2	<0.1	1	21.4
2	4	171276	Clay altered granite - gneiss				2	<0.1	3	12.1
4	6	171277	Clay altered granite				<2	0.1	1.9	41.4
6	8	171278	Clay altered biotite schist				3	0.2	2.5	54.2
8	10	171279	Biotite schist - clay altered granite				<2	0.2	9.4	32
10	12	171280	Biotite schist				<2	<0.1	1.8	19.6
12	14	171281	Feldspar granite				<2	<0.1	2.1	14.7
14	16	171282	Feldspar biotite granite				<2	0.1	4.8	45.3
16	18	171283	Granite - biotite - sericite				<2	<0.1	1.5	7.2
18	20	171284	Biotite granite				<2	<0.1	2.1	10.6
20	22	171285	Biotite schist				<2	<0.1	1.5	12.6
22	24	171285B	Grey sericite biotite schist				3	<0.1	5.8	5.7
24	26	171286	Biotite sericite schist				<2	0.2	2.3	151.2
26	28	171287	Granite dyke in biotite schist				<2	<0.1	2.2	13.2
28	30	171288	Biotite schist				<2	0.1	2.2	74.1
30	32	171289	Biotite - sericite schist				<2	<0.1	1.2	32.1
32	34	171290	Biotite schist - clay on fractures				<2	<0.1	1.4	19.5
34	36	171291	Biotite schist				<2	<0.1	2.4	13.9
36	38	171292	Biotite schist				<2	<0.1	4.3	23.8
38	40	171293	Biotite schist				<2	<0.1	3.3	35.5
40	42	171294	Dark blue chlorite schist				<2	<0.1	5.5	16.5
42	44	171295	Clay altered granite				29	0.4	92.6	21.2
44	46	171296	Carbonate altered biotite granite - trace pyrite				<2	<0.1	5.6	5.5
46	48	171297	Biotite granite - trace pyrite on fractures				<2	<0.1	13.7	30.2
48	50	171298	Soil				22	0.1	68.6	39
50	52	171299	Soil	5741649	322406	1684	17	<0.1	56.5	48.2

Table 2 Trench Data

Trench I		NAD 83 Zone 11 UTM				Gold	Silver	Arsenic	Copper	
From (m)	To (m)	Sample Number	Description	Northing	Easting	Elev.	(ppb)	(ppm)	(ppm)	(ppm)
0	2	171301	Clay altered granite	5741718	322340	1684	<2	<0.1	2.9	5.3
2	4	171302	Clay altered granite				82	0.4	21.2	12.2
4	6	171303	Clay altered granite				<2	0.2	31.8	12.1
6	8	171304	Clay altered granite				<2	0.3	25	9.9
8	10	171305	Clay altered granite				<2	<0.1	7.3	10.7
10	12	171306	Gravelly clay altered schist				<2	0.2	27.3	40.7
12	14	171307	soil				6	<0.1	30.2	51.2
14	16	171308	Clay altered chlorite schist				<2	<0.1	4.4	68.5
16	18	171309	Clay altered granite				<2	<0.1	13.2	27.3
18	20	171310	Rusty quartzite				<2	0.3	25.6	66.9
20	22	171311	Rusty quartzite				7	0.2	211.5	19.8
22	24	171312	Rusty - Mn - chlorite sericite schist				107	0.4	1881.6	43.7
24	26	171313	Rusty - Mn - chlorite sericite schist				30	0.2	751.8	66.7
26	28	171314	Rusty - sericite schist with epithermal banded quartz vein with pyrite				<2	0.2	83.8	20
28	30	171315	Rusty - Mn - chlorite sericite schist				27	0.2	80.6	34.2
30	32	171316	Chlorite - sericite schist with 2% pyrite				2	0.3	59.5	13.5
32	34	171317	Chlorite - sericite schist				<2	0.2	54	12.6
34	36	171318	Chlorite - sericite schist +/- pyrite				<2	0.2	53.7	7.7
36	38	171319	Very rusty chlorite schist				10	1.2	690.6	98.8
38	40	171320	Very rusty chlorite - sericite schist - highly fractured				13	1	310.8	121.2
40	42	171321	Very rusty chlorite schist - highly fractured				199	2	598.6	138.5
42	44	171322	Rusty quartzite - Quartz vein - metamorphic?				84	0.3	183.8	34.1
44	46	171323	Quartzite				<2	<0.1	12.3	10.9
46	48	171324	Quartzite				<2	0.1	10.3	28.2
48	50	171325	Quartzite				<2	0.2	24.1	19.8
50	52	171326	Quartzite				<2	0.1	8.5	17.8
52	54	171327	Rusty chlorite- quartzite - pyrrhotite trace				<2	0.2	31.7	23.2
54	56	171328	Ankerite fault breccia - 2% pyrite-pyrrhotite				144	0.7	327.3	85.5

Table 2 Trench Data

Trench I cont'd				NAD 83 Zone 11 UTM			Gold (ppb)	Silver (ppm)	Arsenic (ppm)	Copper (ppm)
From (m)	To (m)	Sample Number	Description	Northing	Easting	Elev.				
56	58	171329	Chlorite-biotite-sericite schist - pyritic				<2	0.1	1.5	81.7
58	60	171330	Chlorite-sericite schist - pyritic - oxidized				<2	0.2	10.2	154.7
60	62	171331	Chlorite - sericite schist				<2	<0.1	15.1	11.2
62	64	171332	2% pyrite, clay altered biotite-chlorite altered granite and metamorphic schist				4	0.3	801.1	161.7
64	66	171333	Clay altered pyrite-2% sericite-biotite schist with knots of quartzite				30	1.1	46.5	22.6
66	68	171334	Clay - sericite - chlorite rubble, gravel				8	0.2	96.8	34.8
68	70	171335	Chlorite-sericite schist with metamorphic quartz veins				5	0.2	11.1	24.7
70	72	171336	Chlorite-sericite schist - Mn oxidation				<2	0.1	2.8	31.4
72	74	171337	Chlorite-sericite schist				<2	0.1	4	40
74	76	171338	Biotite schist - oxidized				9	0.3	53.9	43.1
76	78	171339	Chlorite-sericite +/- pyrite schist - iron oxidized				9	0.2	55.1	27.2
78	80		No sample	5741773	322396	1689				
Trench J				NAD 83 Zone 11 UTM			Gold (ppb)	Silver (ppm)	Arsenic (ppm)	Copper (ppm)
From (m)	To (m)	Sample Number	Description	Northing	Easting	Elev.				
0	2	171351	Biotite Granite - Mn coatings	5741621	322447	1691	<2	<0.1	<0.5	20.9
2	4	171352	Biotite Granite				<2	<0.1	1.8	17.8
4	6	171353	Biotite Granite				<2	<0.1	2	14.2
6	8	171354	Biotite Granite				<2	<0.1	1.2	15.3
8	10	171355	Biotite Granite				<2	<0.1	1.8	24.4
10	12	171356	Biotite Granite gravel				<2	<0.1	2	14.1
12	14	171357	Soil				6	<0.1	15.1	115.5
14	16	171358	Soil				5	0.1	24.4	341.2
16	18	171359	Soil				3	<0.1	27.9	46.2

Table 2 Trench Data

Trench J cont'd		NAD 83 Zone 11 UTM				Gold	Silver	Arsenic	Copper	
From (m)	To (m)	Sample Number	Description	Northing	Easting	Elev.	(ppb)	(ppm)	(ppm)	(ppm)
18	20	171360	Soil				11	<0.1	42.6	58.9
20	22	171361	Soil				6	<0.1	34.1	71.1
22	24	171362	Chlorite schist				13	<0.1	3.1	155.7
24	26	171363	Chlorite schist 2% pyrite				3	0.3	1.4	78.8
26	28	171364	Soil				19	<0.1	82.3	70
28	30	171365	Soil				13	<0.1	72.1	52.7
30	32	171366	Biotite granite				<2	<0.1	8.2	14.2
32	34	171367	Soil				35	0.1	221	73.7
34	36	171368	Mn-Fe stained quartzite				14	0.3	38.3	100.3
36	38	171369	Ankerite carbonate altered granite - Fault zone	5741613	322409	1686	31	0.3	95.3	10.5
38	40	171370	Quartzite				<2	<0.1	0.7	18.5
40	42	171371	Biotite schist				3	0.1	2.2	38.9
42	44	171372	Biotite schist - pyritic				<2	<0.1	0.8	5
44	46	171373	Biotite schist - pyritic and granitic				3	<0.1	13.7	13.7
46	48	171374	Biotite schist - Mn				4	0.1	19.5	48.4
48	50	171375	Chlorite schist with chalcopyrite in limy sediment				5	0.2	23.6	73.3
50	52	171376	Rusty chlorite schist with pyrite?				2	0.1	2.8	57.1
52	54	171377	no sample							
54	56	171378	Blue till with chlorite schist clasts				5	0.2	31.3	54.7
56	58	171379	Blue till with chlorite schist clasts				9	0.2	33.7	44.3
58	60	171380	Biotite granite with hematite spots				4	<0.1	3.3	19.8
60	62	171381	Ankerite carbonate altered granite				9	0.2	39.6	14.9
62	64	171382	Biotite granite				2	<0.1	2.9	15.8
64	66	171383	Chlorite schist with 2% pyrite				4	0.1	5.6	108.5
66	68	171384	Chlorite schist pyritic and hematitic				2	<0.1	1.8	46.2
68	70	171385	Biotite schist				3	<0.1	7.6	34.2
70	72	171386	Biotite schist 2% pyrite, hematite, jarosite				4	0.2	1.2	62.1
72	74	171387	Biotite granite				2	<0.1	1.3	2.5
74	76	171388	Quartzite				2	<0.1	2.5	17.7
76	78	171389	Quartzite - Mn				3	<0.1	2.1	16.3
78	80	171390	No sample	5741598	322374	1684				

Table 2 Trench Data

Trench HEE		Sample Number	Description	NAD 83 Zone 11 UTM			Gold (ppb)	Silver (ppm)	Arsenic (ppm)	Copper (ppm)
From (m)	To (m)			Northing	Easting	Elev.				
0	2	171401	Biotite granite	5741654	322459	1693	3	<0.1	1.1	11.5
2	4	171402	Biotite granite - weak ankerite alteration				3	<0.1	1.5	14.6
4	6	171403	Biotite granite, malachite, chalcopyrite and ankerite alteration				3	0.1	2.7	94.3
6	8	171404	Biotite granite - weak ankerite alteration				2	<0.1	2.1	46.9
8	10	171405	Biotite granite - pyritic trace				2	<0.1	1.7	42.6
10	12	171406	Biotite schist - pyritic				2	0.1	1.3	54.6
12	14	171407	Biotite schist - pyritic				3	0.2	0.6	79.2
14	16	171408	Rusty biotite schist - pyritic?				2	<0.1	0.8	51.6
16	18	171409	Very rusty ankerite altered biotite schist				3	0.1	1.2	39.5
18	20	171410	Ankerite altered biotite schist - 2% pyrite				<2	<0.1	<0.5	45.2
20	22	171411	Ankerite altered biotite schist				3	<0.1	<0.5	62
22	24	171412	Ankerite altered biotite schist with 5% pyrite and possible chalcopyrite				5	0.4	1.3	198.8
24	26	171413	Biotite schist - pyritic with trace chalcopyrite				6	0.2	0.8	143
26	28	171414	Biotite schist - not oxidized				7	<0.1	0.9	19.4
28	30	171415	Biotite schist - weak ankerite alteration				3	<0.1	2.7	68.4
30	32	171416	Biotite schist - not oxidized				3	<0.1	<0.5	14.7
32	34	171417	Biotite schist - not oxidized				3	<0.1	2.4	16.8
34	36	171418	Biotite schist - pyritic trace	5741653	322495	1693	2	<0.1	0.6	12.4

Table 2 Trench Data

Trench K				NAD 83 Zone 11 UTM						
From (m)	To (m)	Sample Number	Description	Northing	Easting	Elev.	Gold (ppb)	Silver (ppm)	Arsenic (ppm)	Copper (ppm)
0	2	171451	Biotite granite - hematite oxidation?	5741537	322475	1678	<2	<0.1	<0.5	38.8
2	4	171452	Biotite granite				<2	<0.1	1	29
4	6	171453	Biotite granitie - Mn				<2	<0.1	1.2	38.3
6	8	171454	Rusty Bioitte schist, Fault? Hematite oxidation?				<2	<0.1	0.6	41.4
8	10	171455	Biotite granite				<2	<0.1	0.7	20.8
10	12	171456	Biotite granite				<2	<0.1	0.9	27.9
12	14	171457	Biotite granite - hematite oxidation, dykes of Feldspar granite				<2	0.1	0.9	27.4
14	16	171458	No sample				L.N.R.	L.N.R.	L.N.R.	L.N.R.
16	18	171459	Biotite granite - minor clay alteration, hematite oxidation				<2	<0.1	0.7	20.3
18	20	171460	Biotite granite				<2	<0.1	1.8	28.6
20	22	171461	Biotite granite				<2	<0.1	<0.5	30.6
22	24	171462	Soil				<2	0.1	6.4	41.1
24	26	171463	Biotite granite - Mn				<2	<0.1	<0.5	40.1
26	28	171464	Biotite granite				<2	0.2	1.1	44.2
28	30	171465	Biotite granite - Mn				<2	0.2	0.6	40.5
30	32	171466	Biotite granite - Mn				<2	0.3	2.4	60.1
32	34	171467	Biotite granite - hematite oxidation ?				<2	0.3	1	46.1
34	36	171468	Biotite granite				<2	0.2	4.9	36.8
36	38	171469	Biotite granite				<2	0.1	72.6	22
38	40	171470	Fault, shear. Clay-ankerite altered granite with quartz - pyrite veins	5741534	322440	1684	56	0.5	329.7	12.9
40	42	171471	Quartzite - pyritic? rock				10	<0.1	28.3	17.8
42	44	171472	Feldspar granite				7	<0.1	15.3	25.3
44	46	171473	Feldspar granite - hematite oxidation				<2	<0.1	22.1	31.3
46	48	171474	Biotite granite				<2	0.1	10.5	120.9
48	50	171475	No sample	5741537	322425	1679				

Table 2 Trench Data

Trench KE				NAD 83 Zone 11 UTM						
From (m)	To (m)	Sample Number	Description	Northing	Easting	Elev.	Gold (ppb)	Silver (ppm)	Arsenic (ppm)	Copper (ppm)
0	2	171476	Quartzite - pyritic, hematite oxidation	5741528	322534	1680	<2	0.1	2.7	32.3
2	4	171477	Quartzite - biotitic, hematite oxidation				2	<0.1	7	16.4
4	6	171478	Feldspar granite				<2	<0.1	0.6	1.5
6	8	171479	Biotite schist				3	<0.1	<0.5	26.4
8	10	171480	Biotite schist - pyritic, hematite oxidation				<2	<0.1	0.6	16.2
10	12	171481	Biotite schist - hematite oxidation with dykelets of Feldspar granite				<2	<0.1	0.7	22.7
12	14	171482	Biotite schist - quartzite, pyritic, hematite oxidation				5	<0.1	<0.5	35.7
14	16	171483	Biotite schist - pyritic, hematite oxidation				10	<0.1	1.2	30.5
16	18	171484	Biotite schist - pyritic, hematite oxidation				<2	<0.1	0.9	51.4
18	20	171485	Biotite schist - hematite oxidation				<2	<0.1	1.5	44.9
20	22	171486	Biotite schist - pyritic, hematite oxidation				<2	<0.1	1.6	30.7
22	24	171487	Biotite schist - hematite oxidation				<2	<0.1	0.9	19.3
24	26	171488	Biotite schist - pyritic - trace, Mn - hematite oxidation				<2	<0.1	1	50.9
26	28	171489	Biotite schist - Mn, hematite oxidation				<2	<0.1	0.8	34.4
28	30	171490	Biotite schist - hematite oxidation	5741532	322500	1679	4	<0.1	0.7	26.2

Table 2 Trench Data

Trench L				NAD 83 Zone 11 UTM							
From (m)	To (m)	Sample Number	Description	Northing	Easting	Elev.	Gold (ppb)	Silver (ppm)	Arsenic (ppm)	Copper (ppm)	
0	2	171551	Soil	5741847	322414	1696	<2	<0.1	10.2	30.1	
2	4	171552	Soil				3	<0.1	8.9	28.7	
4	6	171553	Soil				<2	<0.1	6.9	24.8	
6	8	171554	Soil				5	<0.1	7.4	26.2	
8	10	171555	Soil				<2	<0.1	6.2	26.8	
10	12	171556	Soil				<2	<0.1	8.7	30.6	
12	14	171557	Soil				<2	<0.1	9.5	38.4	
14	16	171558	Soil				<2	<0.1	10.7	33.4	
16	18	171559	Soil	5741844	322396	1696	<2	<0.1	9.3	30.9	
Trench HEEE				NAD 83 Zone 11 UTM							
From (m)	To (m)	Sample Number	Description	Northing	Easting	Elev.	Gold (ppb)	Silver (ppm)	Arsenic (ppm)	Copper (ppm)	
0	2	171501	Pyritic biotite schist with trace chalcopyrite	5741655	322596	1691	<2	0.1	2.9	107.2	
2	4	171502	Biotite granite with metamorphic quartz veins				<2	<0.1	1.8	24.6	
4	6	171503	Biotite schist - granite with weak ankerite alteration				8	0.5	57.2	49.6	
6	8	171504	Clay altered biotite granite with trace quartz - arsenopyrite - pyrite veinlets	5741654	322591	1697	6	0.2	45	20.9	
8	10	171505	Clay altered granite - Mn				8	0.3	54	30.9	
10	12	171506	Clay altered granite				10	0.3	47.7	33.3	
12	14	171507	Chlorite - seriticite schist or granite - Mn				<2	0.1	5.7	12.9	
14	16	171508	Biotite granite				4	<0.1	11.6	14.3	
16	18	171509	Biotite granite				<2	<0.1	1.2	8.5	
18	20	171510	Biotite granite - Mn				<2	<0.1	0.8	11.2	
20	22	171511	Biotite granite				<2	<0.1	4.3	10.2	
22	24	171512	Biotite granite				<2	<0.1	2.8	11.4	
24	26	171513	Biotite granite - Mn				<2	<0.1	1.2	7.7	
26	28	171514	Pyritic biotite schist				<2	<0.1	1.1	5.9	

Table 2 Trench Data

Trench HEEE cont'd				NAD 83 Zone 11 UTM				Gold (ppb)	Silver (ppm)	Arsenic (ppm)	Copper (ppm)
From (m)	To (m)	Sample Number	Description	Northing	Easting	Elev.					
28	30	171515	Biotite schist				<2	<0.1	1.3	13.9	
30	32	171516	Weakly rusty biotite schist				<2	<0.1	1.4	58.9	
32	34	171517	Biotite schist				<2	<0.1	1	13.7	
34	36	171518	Quartzite				<2	<0.1	0.7	2	
36	38	171519	Biotite schist				<2	<0.1	2.1	43.9	
38	40	171520	Granite and biotite schist				<2	<0.1	1.7	20.8	
40	42	171521	Biotite schist - Mn				<2	<0.1	4.5	20.2	
42	44	171522	5% pyrite, chlorite-sericite schist				4	0.3	7.3	264.7	
44	46	171523	Biotite schist - pyritic with metamorphic quartz veins				<2	<0.1	2	20.4	
46	48	171524	Quartzite				<2	0.1	1.5	10.4	
48	50	171525	Biotite schist - clay alteration				<2	<0.1	1.6	10.7	
50	52	171526	Clay and Mn alteration of feldspar granite				<2	<0.1	1.7	1.8	
52	54	171527	Biotite schist and granite, hematite				<2	0.6	9	16	
54	56	171528	5% pyrite, chlorite-sericite schist				3	0.6	50.4	32.3	
56	58	171529	Biotite schist				<2	<0.1	2.7	30.3	
58	60	171530	Biotite schist				<2	<0.1	2.8	26.1	
60	62	171531	Biotite schist				<2	<0.1	1.9	22.8	
62	64	171532	Biotite schist				<2	<0.1	1.9	26.2	
64	66	171533	Biotite schist				<2	<0.1	2.3	20	
66	68	171534	Biotite schist				<2	<0.1	2.5	15.2	
68	70	171535	Gravelly biotite schist				<2	0.1	4.9	48.5	
70	72	171536	Quartzite				<2	<0.1	6.2	24	
72	74	171537	Biotite schist				<2	<0.1	8.7	21.8	
74	76	171538	Biotite schist with pyritic - limy beds 3cm				<2	<0.1	32	22	
76	78	171539	Biotite - sericite schist				<2	<0.1	6.8	37.5	
78	80	171540	Biotite schist with metamorphic quartz veins				<2	<0.1	4.5	12.1	
80	82	171541	Biotite granite - Mn				<2	<0.1	1.1	23.8	
82	84	171542	Biotite schist				<2	<0.1	0.5	8.5	
84	86	171543	Rusty biotite schist - quartz veins?				<2	0.1	2.9	88.1	

Table 2 Trench Data

Trench HEEE cont'd

From (m)	To (m)	Sample Number	Description	NAD 83 Zone 11 UTM			Gold (ppb)	Silver (ppm)	Arsenic (ppm)	Copper (ppm)
				Northing	Easting	Elev.				
86	88	171544	Rusty biotite - chlorite schist				<2	0.2	1.4	89.8
88	90	171545	Biotite schist				<2	<0.1	1.7	39
90	92	171546	Pyritic? Chlorite sericite schist - Mn				3	<0.1	19.2	19.9
92	94	171547	Rusty chlorite sericite schist - trace pyrite				<2	<0.1	6.3	36.2
94	96	171548	Rusty Biotite schist with pyrite and trace chalcopyrite				2	0.3	1.3	168.2
96	98	171549	Fault breccia?? Rusty biotite schist - pyritic				3	0.3	1.5	154.5
98	100	171550	Very rusty, biotite schist 2-5% pyrite	5741657	322499	1689	<2	0.4	1.3	266.8

Trench M

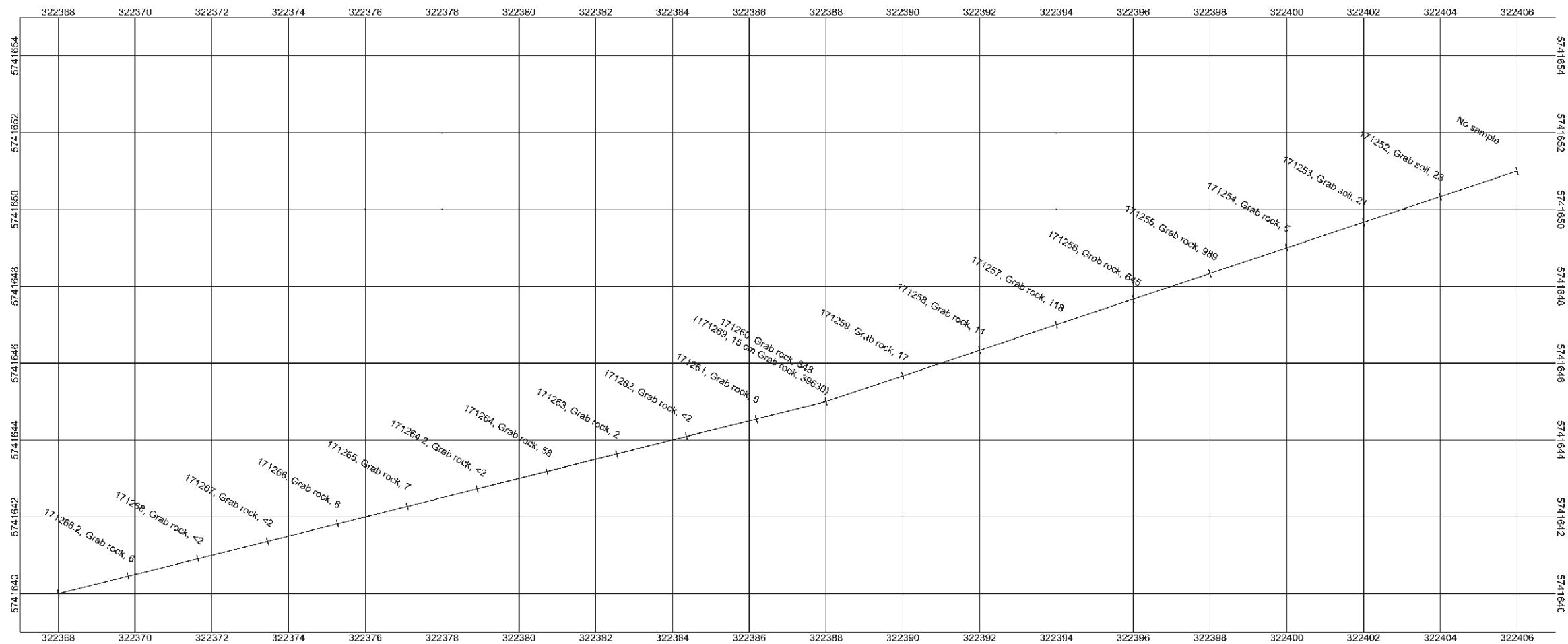
From (m)	To (m)	Sample Number	Description	NAD 83 Zone 11 UTM			Gold (ppb)	Silver (ppm)	Arsenic (ppm)	Copper (ppm)
				Northing	Easting	Elev.				
0	2	171576	Soil	5741447	322234	1668	<2	0.1	8.6	34.2
2	4	171577	Clay altered granite with fluorite and silvery sulphide				<2	<0.1	9.5	24
4	6	171578	Silicified-K-feldspar flooded? Volcanic, 2% pyrite and 2% pyrrhotite and arsenopyrite				10	0.2	37.5	20
6	8	171579	Pyritic biotite granite, green coatings - scoradite?				<2	<0.1	4.4	29.4
8	10	171580	Biotite granite				<2	<0.1	1.1	31.6
10	12	171581	Biotite granite				<2	<0.1	1.5	36.2
12	14	171582	Biotite granite				<2	<0.1	2.3	28.6
14	16	171583	Rusty biotite granite fragments				3	0.1	13.2	74.5
16	18	171584	Biotite granite				<2	<0.1	1.9	30.3
18	20	171585	Biotite granite with dykelets of feldspar granite				<2	<0.1	2	29.2
20	22	171586	Biotite granite				<2	<0.1	6.5	35.8
22	24	171587	Biotite granite				<2	<0.1	2	51.9
24	26	171588	Biotite granite				L.N.R.	L.N.R.	L.N.R.	L.N.R.
26	28	171589	Rusty biotite granite				<2	<0.1	1	62.1
28	30	171590	Biotite granite				<2	0.2	3.7	62.6

Table 2 Trench Data

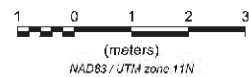
Trench M cont'd				NAD 83 Zone 11 UTM						
From (m)	To (m)	Sample Number	Description	Northing	Easting	Elev.	Gold (ppb)	Silver (ppm)	Arsenic (ppm)	Copper (ppm)
30	32	171591	Rusty biotite granite with green scorodite				2	0.1	2.3	83.1
32	34	171592	Rusty biotite granite				<2	0.1	2.5	80.2
34	36	171593	Biotite granite, Hm, Mn				<2	<0.1	0.8	67.8
36	38	171594	Very rusty biotite granite with 1cm quartz-pyrite vein				<2	<0.1	5.8	44.1
38	40	171595	Very rusty biotite granite				<2	<0.1	2.5	44.5
40	42	171596	Siliceous - K-feldspar flooded volcanic rock with 2% pyrite				2	0.2	1.6	104.1
42	44	171597	Quartzite				<2	<0.1	2.5	11.1
44	46	171598	Quartzite and biotite granite	5741447	322189	1675	3	0.2	4.3	40.9
Trench O				NAD 83 Zone 11 UTM						
From (m)	To (m)	Sample Number	Description	Northing	Easting	Elev.	Gold (ppb)	Silver (ppm)	Arsenic (ppm)	Copper (ppm)
0	2	171701	Rusty biotite schist with trace pyrite	5741547	322136	1681	8	0.2	1	237.9
2	4	171702	Rusty biotite - sericite schist				<2	<0.1	0.8	75.4
4	6	171703	Rusty biotite schist with quartz-pyrite-trace chalcopyrite veins				21	0.3	1.7	208.8
6	8	171704	Rusty biotite schist				95	0.2	7.6	78.9
8	10	171705	Rusty biotite schist with limy beds - 2% pyrite				4	0.2	2	69.9
10	12	171706	Rusty biotite schist	5741546	322146	1683	3	<0.1	1.1	88.7
12	14	171707	Biotite schist				<2	<0.1	0.9	55.9
14	16	171708	Weakly rusty biotite schist				<2	0.1	1.3	88.1
16	18	171709	Biotite granite				<2	0.1	1.7	44.3
18	20	171710	Biotite schist and biotite granite				<2	<0.1	0.7	27.7
20	22	171711	Biotite schist				<2	0.2	7.9	71.3
22	24	171712	Biotite granite				<2	<0.1	2	20.1
24	26	171713	Rusty biotite-chlorite-sericite schist with trace pyrite				<2	<0.1	1.9	55.4

Table 2 Trench Data

Trench O cont'd											
From (m)	To (m)	Sample Number	Description	NAD 83 Zone 11 UTM			Gold (ppb)	Silver (ppm)	Arsenic (ppm)	Copper (ppm)	
				Northing	Easting	Elev.					
26	28	171714	Biotite schist				2	0.2	2.6	25.9	
28	30	171715	Biotite schist with trace pyrrhotite				4	0.2	1.3	76.5	
30	32	171716	Contact between biotite schist and biotite granite - hornblende - pyrite clots				16	0.1	<0.5	89.9	
32	34	171717	Biotite schist				9	<0.1	0.8	25.1	
34	36	171718	Biotite schist				3	<0.1	<0.5	12.5	
36	38	171719	Biotite schist with dykes of feldspar granite with hematite on the margins				<2	<0.1	<0.5	12.2	
38	40	171720	Biotite granite				<2	<0.1	<0.5	25.6	
40	42	171721	Biotite schist and diopside/quartz schist with trace pyrite and limy beds				4	0.1	8.4	67.7	
42	44	171722	Very rusty biotite schist and diopside schist with 2% pyrite				5	0.1	5.8	56.7	
44	46	171723	Very rusty biotite schist and trace pyrite				13	0.1	2.5	59.5	
46	48	171724	Skarn - garnet, diopside and quartz +/- trace pyrite				<2	<0.1	2.3	35.2	
48	50	171725	Skarn - foliated trace pyrite, 1% arsenopyrite	5741541	322188	1679	1568	0.4	>10000.0	190.2	
50	52	171726	Biotite granite				3	<0.1	31.4	28.6	
52	54	171727	no sample				L.N.R.	L.N.R.	L.N.R.	L.N.R.	
54	56	171728	Biotite granite				3	<0.1	28.5	37.6	
56	58	171729	Biotite granite with very rusty coatings				12	0.5	52.4	45.3	
58	60	171730	Foliated diopside skarn and biotite schist				<2	0.1	6.4	56.9	
60	62	171731	Quartz vein - pyrite skarn - could be float				95	3.9	146.5	137.7	
62	64	171732	Diopside schist with pyrite and biotite granite	5741545	322201	1675	5	0.2	2.9	35.3	

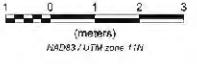
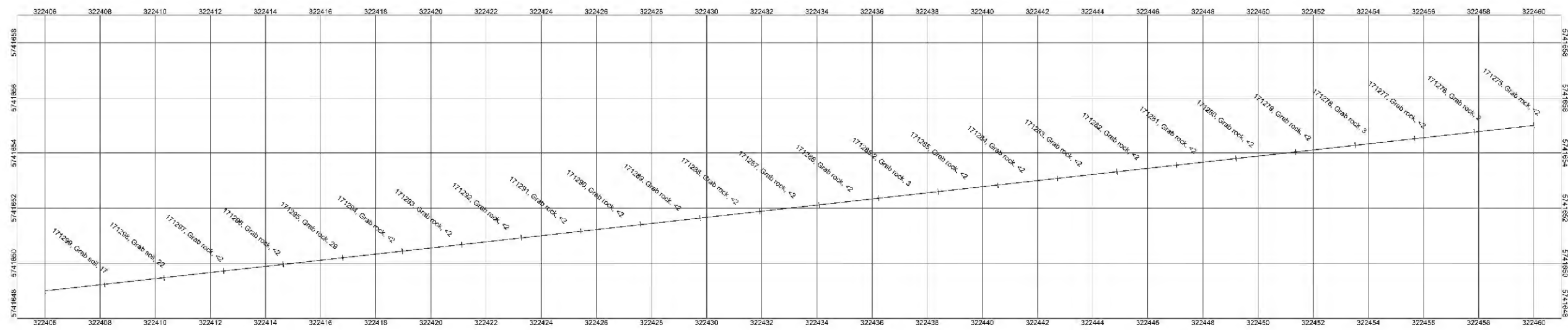


Sample Number, Sample Type, Gold (ppb)
[eg. 171260, Grab rock, 348]



NEWMAC RESOURCES INC.				
RAFT PROPERTY				
MARTIN CREEK, CLEARWATER AREA, KAMLOOPS MD, BC				
TRENCH H				
TRENCH LOCATION GRID				
DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
CAM	13-02	82M/13	APR '13	6

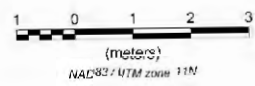




Sample Number, Sample Type, Gold (ppb)
[eg. 171260, Grab rock, 348]



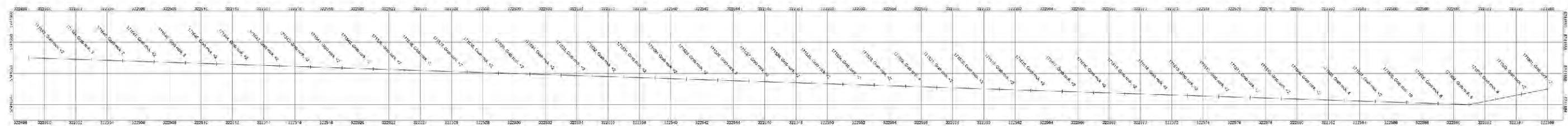
NEWMAC RESOURCES INC.				
RAFT PROPERTY				
MARTIN CREEK, CLEARWATER AREA, KAMLOOPS MD, BC				
TRENCH HE				
TRENCH LOCATION GRID				
DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
CAM	13-02	82M/13	APR '13	7



Sample Number, Sample Type, Gold (ppb)
[eg. 171260, Grab rock, 348]

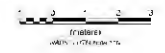
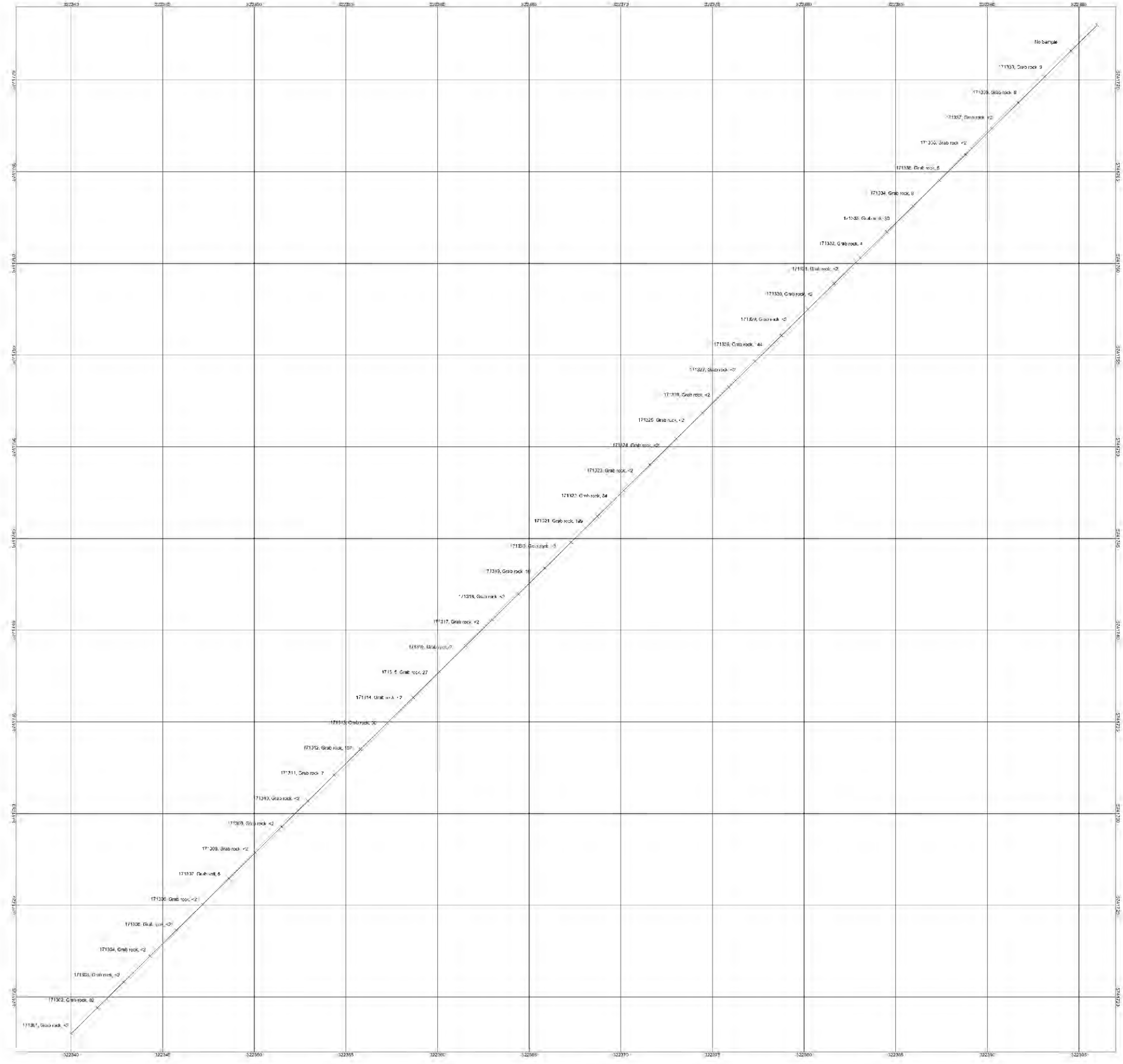


NEWMAC RESOURCES INC.				
RAFT PROPERTY				
MARTIN CREEK, CLEARWATER AREA, KAMLOOPS MD, BC				
TRENCH HEE				
TRENCH LOCATION GRID				
DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
CAM	13-02	82M13	APR '13	8



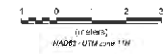
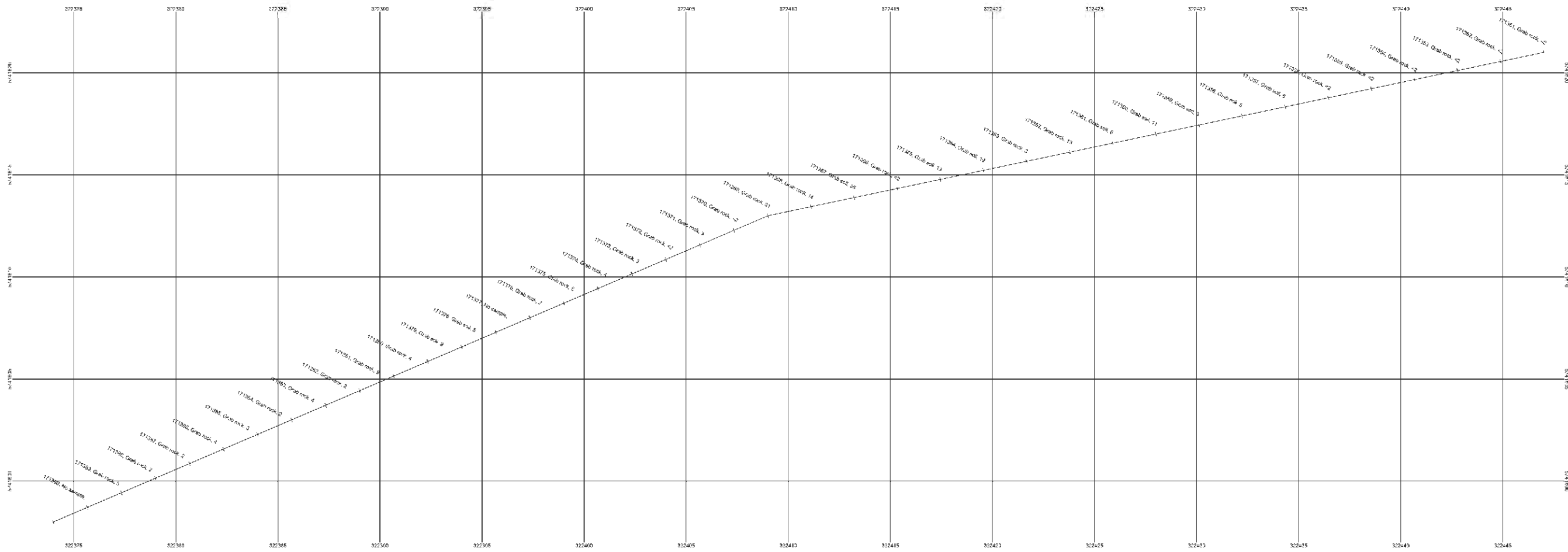
Sample Number, Sample Type: Gold (ppb)
[pg. 1 of 2, 3 of rock 348]

NEWMAC RESOURCES INC.				
RAFT PROPERTY				
WASTE CREEK CLEARWATER AREA, KANAWHA COUNTY, WV, DC				
TRENCH HEEE				
TRENCH LOCATION GRID				
DATE:	SCALE:	NO.:	SHEET:	TOTAL SHEETS:
03/18	1:50	02/13	04/10	5



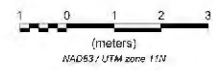
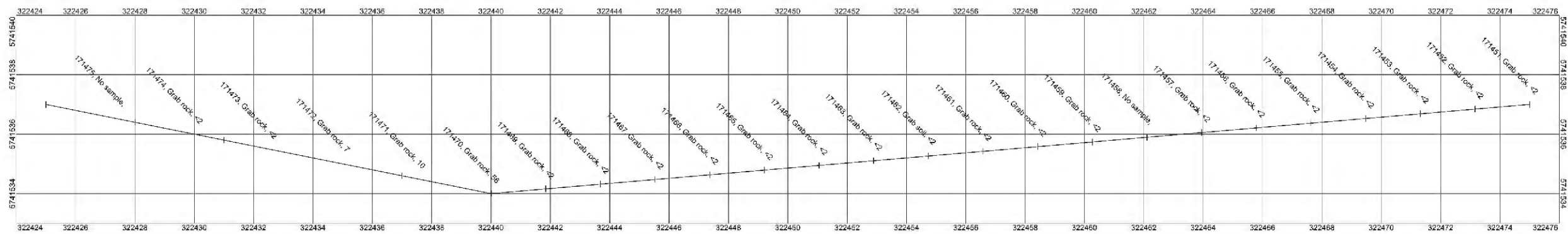
Sample Number Sample Type Gold (gpb)
 (eg 171260, Grabrock, 348)

NEWMAC RESOURCES INC.				
RAFT PROPERTY				
MARTIN CREEK CLEARWATER AREA KAMLOOPS M.D., BC				
TRENCH I				
TRENCH LOCATION GRID				
DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
CAM	13.02	82M43	APR '13	10



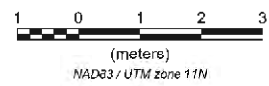
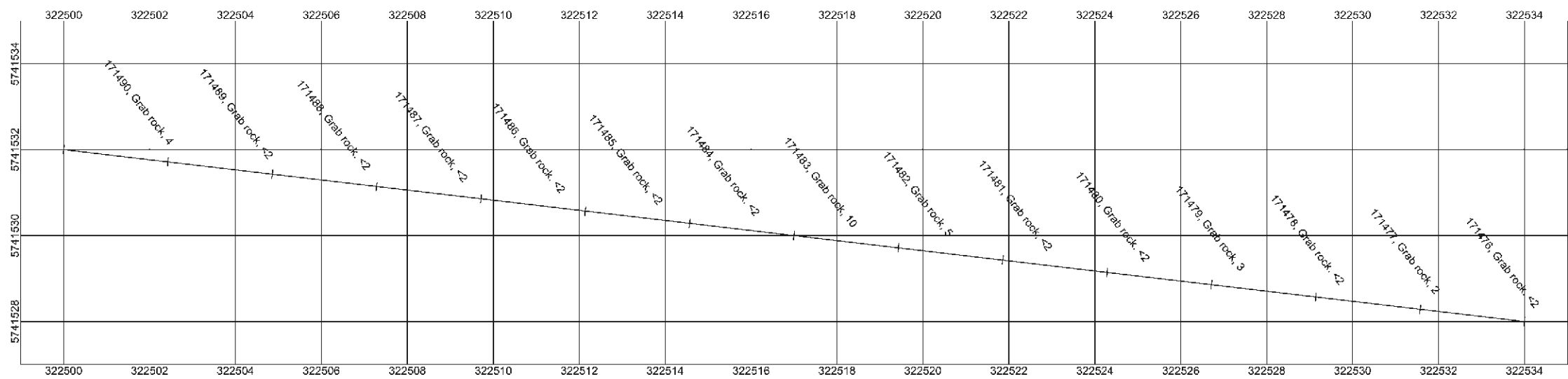
Sample Number, Sample Type, Gold (ppb)
[eg. 171260, Grab rock, 348]

NEWMAC RESOURCES INC.				
RAFT PROPERTY				
MARTIN CREEK, CLEARWATER AREA, KAMLOOPS MD, BC				
TRENCH J				
TRENCH LOCATION GRID				
DRAWN BY:	JOB NO.:	NTR:	DATE:	FIG NO.:
CAM	43-02	82M13	APR '13	11



Sample Number, Sample Type, Gold (ppb)
[eg. 171260, Grab rock, 348]

NEWMAC RESOURCES INC.				
RAFT PROPERTY				
MARTIN CREEK, CLEARWATER AREA, KAMLOOPS BC				
TRENCH K				
TRENCH LOCATION GRID				
DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
CAM	13-02	83M13	APR '13	12



Sample Number, Sample Type, Gold (ppb)
[eg. 171260, Grab rock, 348]

NEWMAC RESOURCES INC.

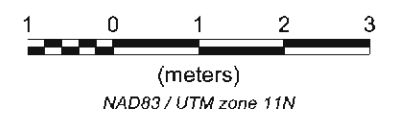
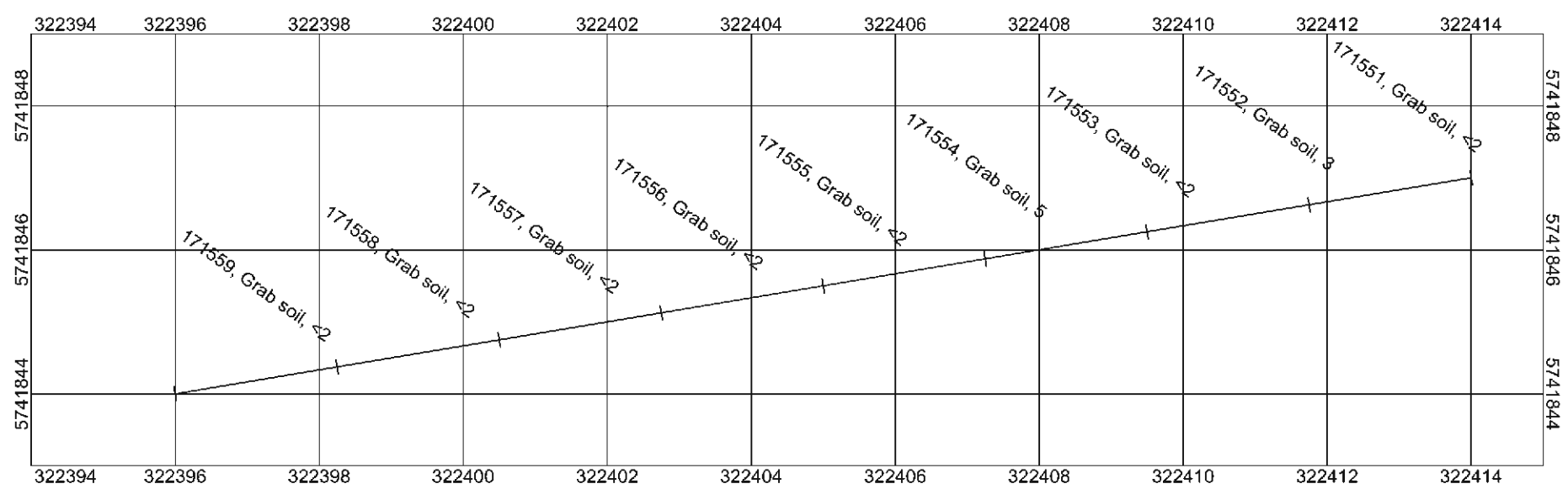
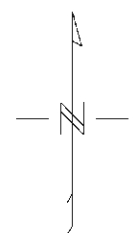
RAFT PROPERTY

MARTIN CREEK, CLEARWATER AREA, KAMLOOPS MD, BC

TRENCH KE

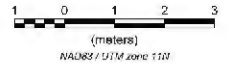
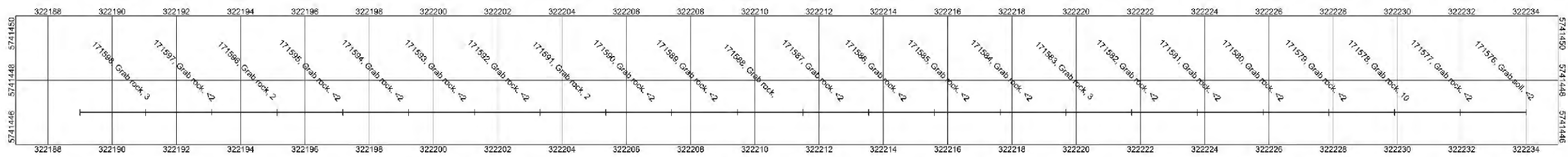
TRENCH LOCATION GRID

DRAWN BY: CAM	JOB NO.: 13-02	NTS: 82M/13	DATE: APR '13	FIG NO.: 13
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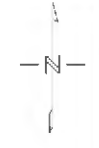


Sample Number, Sample Type, Gold (ppb)
[eg. 171260, Grab rock, 348]

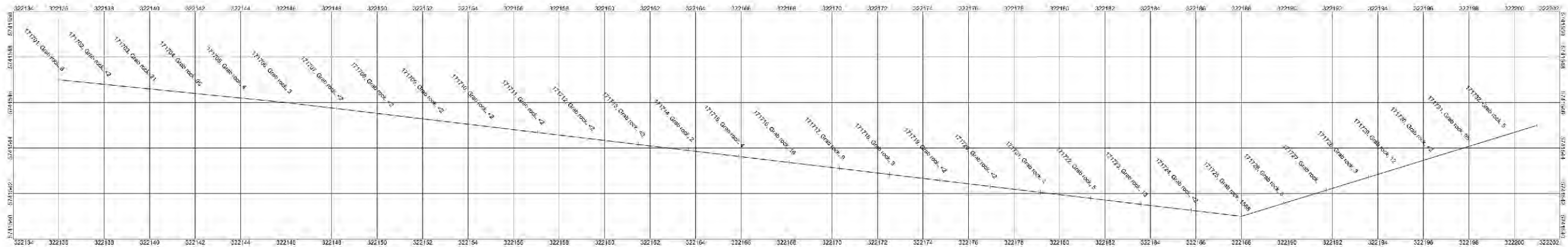
NEWMAC RESOURCES INC.				
RAFT PROPERTY				
MARTIN CREEK, CLEARWATER AREA, KAMLOOPS MD, BC				
TRENCH L				
<i>TRENCH LOCATION GRID</i>				
DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
CAM	13-02	82M/13	APR '13	14



Sample Number, Sample Type, Gold (ppb)
[eg. 171260, Grab rock, 348]



NEWMAC RESOURCES INC.				
RAFT PROPERTY				
MARTIN CREEK, CLEARWATER AREA, KAMLOOPS MD, BC				
TRENCH M				
TRENCH LOCATION GRID				
DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
CAM	13-02	S2M/13	APR '13	15



Sample Number Sample Type, Gold (ppb)
 (eg. 171260, Grab rock, 348)

NEWMAC RESOURCES INC.				
RAFT PROPERTY				
MARTIN CREEK, CLEARWATER AREA, KAMLOOPS M.D., BC				
TRENCH O				
TRENCH LOCATION GRID				
DRAWN BY:	JOB NO.:	NTS	DATE:	FIG. NO.:
CAM	13-32	820/13	APR '13	16