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# ASSESSMENT REPORT

describing

## PROSPECTING AND GEOCHEMICAL SAMPLING

Field work performed July 6 to 20, 2015

at the

## MOUNT HINTON PROPERTY

| | | | |
|---|---|---|---|
| Granite 1-23 | YC11769-YC11791 | Key 27-50 | YC10627-YC10650 |
| Granite 24-29 | YD08695-YD08700 | 57-82 | YC10651-YC10676 |
| Hinton 1-34 | YC00401-YC00434 | 89-92 | YC10677-YC10680 |
| 35 | YC01091 | 100-104 | YC10693-YC10697 |
| Hinton II 1-26 | YC01126-YC01151 | Lock 1-64 | YC32229-YC32292 |
| Hinton III 1-14 | YC01152-YC01165 | Moon 1-12 | YC10957-YC10968 |
| Hinton IV 1-6 | YC01424-YC01429 | Red 1-9 | YC10948-YC10956 |
| Hinton V 1-7 | YC01417-YC01423 | Jen 1-85 | YC68019-YC86103 |
| Key 1-18 | YC10609-YC10626 | | |

Latitude 62°52'N; Longitude 135°07'W
NTS 105M/14 & 15

in the
Mayo Mining District
Yukon Territory

prepared by
Archer, Cathro & Associates (1981) Limited

for

**STRATEGIC METALS LTD.**

By
J. Morton, B.Sc., GIT
January 2016

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## TABLES

## INTRODUCTION

The Mount Hinton property is located in the Keno Hill District of central Yukon and covers an extensive system of gold- and silver-rich quartz veins. This district is part of the larger Tombstone Gold Belt, a 550 km long region of gold and silver occurrences that extends across Yukon and into Alaska. The property is wholly owned by Strategic Metals Ltd.

This report describes prospecting and geochemical sampling performed between July 6 to 20, 2015 by Archer, Cathro & Associates (1981) Limited on behalf of Strategic Metals. The author's Statement of Qualifications is located in Appendix I. A Statement of Expenditures is attached in Appendix II.

## PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Mount Hinton property is an amalgamation of 358 contiguous mineral claims, which are located on NTS map sheet 105M/13, at latitude 62º52'N and longitude 135º07'W (Figure 1). The property covers an area of approximately 7075 ha (70.75 $km^2$). The claims are registered with the Mayo Mining Recorder in the name of Archer Cathro, which holds them in trust for Strategic Metals. Claim registration data are listed below while the locations of individual claims are shown on Figure 2.

| Claim Name | Grant Number | Expiry Date* |
|---|---|---|
| Granite 1-23 | YC11769-YC11791 | November 1, 2021 |
| Granite 24-29 | YD08695-YD08700 | November 1, 2020 |
| Hinton 1-34 | YC00401-YC00434 | November 1, 2021 |
| 35 | YC01091 | November 1, 2021 |
| Hinton II 1-26 | YC01126-YC0115 | November 1, 2021 |
| Hinton III 1-14 | YC01152-YC01165 | November 1, 2021 |
| Hinton IV 1-6 | YC01424 YC01429 | November 1, 2021 |
| Hinton V 1-7 | YC01417-YC01423 | November 1, 2021 |
| Key 1-18 | YC10609-YC10626 | November 1, 2021 |
| 27-50 | YC10627-YC10650 | November 1, 2021 |
| 57-82 | YC10651-YC10676 | November 1, 2021 |
| 89-92 | YC10677-YC10680 | November 1, 2021 |
| 100-104 | YC10693-YC10697 | November 1, 2021 |
| Lock 1-64 | YC32229-YC32292 | November 1, 2021 |
| Moon 1-12 | YC10957-YC10968 | November 1, 2018 |
| Red 1-9 | YC10948-YC10956 | November 1, 2018 |
| Jen 1-56 | YC68019-YC86074 | November 1, 2018 |
| 57-85 | YC86075-YC86103 | November 1, 2021 |

* Expiry dates include 2015 work which has been filed for assessment credit but has not yet been accepted.

The Mount Hinton property lies about 3 km southeast of Keno City, and is accessible by a 10 km

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FIGURE 1

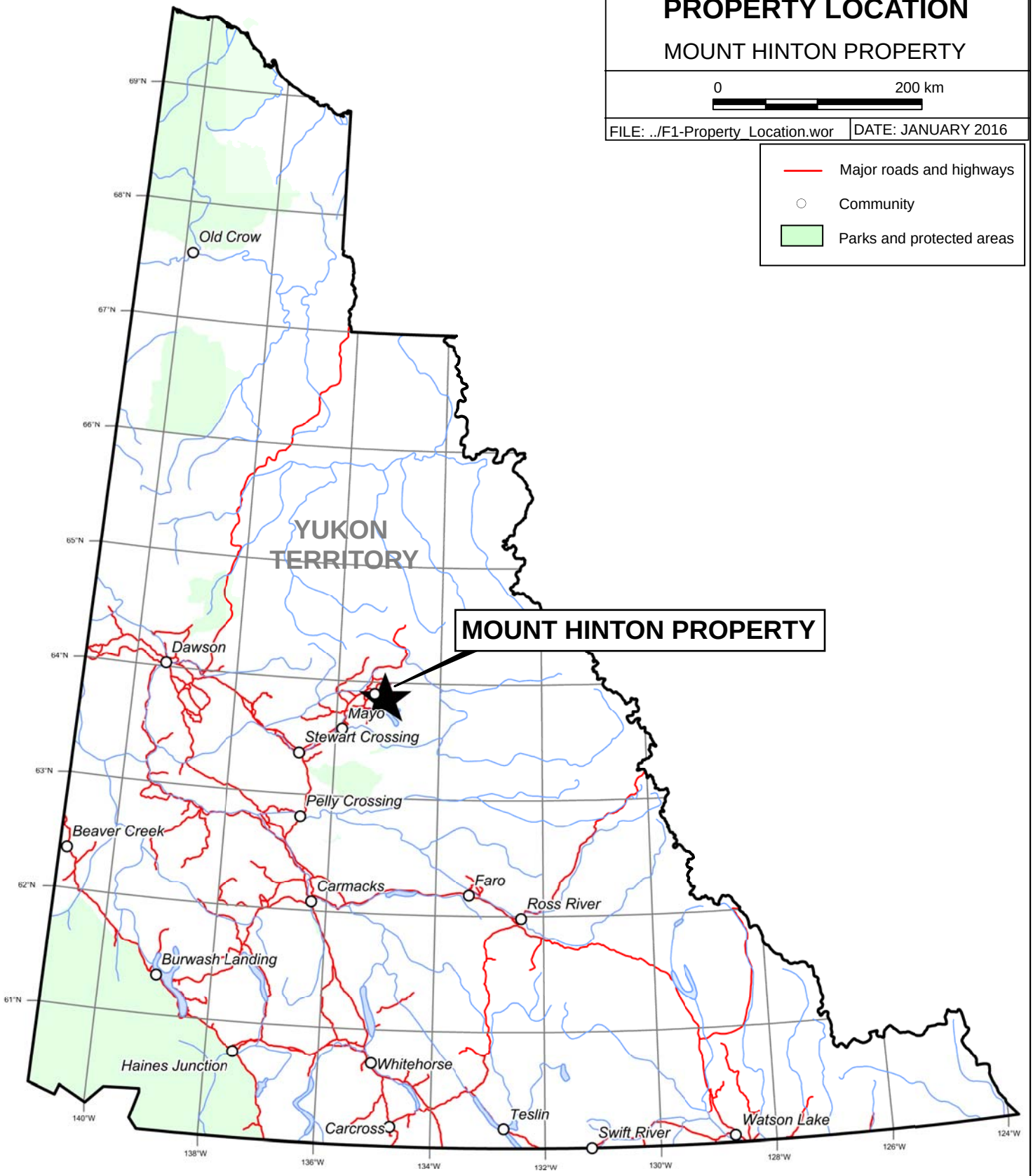
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# PROPERTY LOCATION

MOUNT HINTON PROPERTY

0 200 km

FILE: ../F1-Property_Location.wor | DATE: JANUARY 2016



dirt road that extends from Keno City to the upper Duncan Creek valley. In 2016, mobilization of camp gear, personnel and supplies was performed from a staging area in Keno City, by a Bell 206B helicopter operated by Trans North Helicopters from its seasonal base in Mayo.

The Mount Hinton property lies within the traditional territory of the Nacho Nyak Dun First Nation, which has concluded a land claim agreement with Canada and Yukon.

## HISTORY AND PREVIOUS WORK

Since the 1960s, a number of exploration programs have been conducted in the area currently occupied by the Mount Hinton property. Figure 3 illustrates the main historical workings on the property including main roads and trails, trenches and some of the drill collar locations. Figure 4 depicts the significant vein occurrences in the Keno Hill District. The various exploration programs and significant results obtained from them are discussed in the following paragraphs.

Prior to 1963, numerous claims were held by individuals in the area covered by the present Mount Hinton property. The earliest recorded work, consisting of sporadic prospecting for gold and silver, dates back to the early 1920s. The most notable effort was a 37 m adit driven into a cirque face at the head of McNeil Gulch by Charles Brefalt in 1941. No shipments of ore have been reported (Deklerk and Traynor, 2005).

All of the earliest claims within the area of the current property had lapsed by 1965, except for 14 claims on the north peak of Mount Hinton (the Erickson property). In early 1965, following the release of reconnaissance stream sediment sampling results by the Geological Survey of Canada (GSC), United Keno Hill Mines Limited (UKHM) staked 74 claims that adjoined the Erickson property to the south and east. Later that year, UKHM conducted a work program consisting of prospecting and geochemical sampling, which identified three mineralized veins (Deklerk and Traynor, 2005).

In 1966, UKHM enlarged the property by staking an additional 202 claims and carried out a program of prospecting, hand trenching, geological mapping and extensive geochemical sampling, which covered much of the claim group. This work identified an additional 20 veins and vein segments. Following this work, UKHM allowed 138 claims to lapse (Deklerk and Traynor, 2005).

During 1967 and 1968, exploration work by UKHM focused on the head of McNeil Gulch and identified an additional 37 veins. Work included geological mapping, prospecting, hand trenching and aerial photogrammetry. Hand trenching and stripping were performed on some of the new vein discoveries and a prospecting shaft was sunk to a depth of eight metres on the 21 Vein. Channel sampling on the 21 Vein blocked out 367 tonnes of ore grading 1.20 oz/ton (41.14 g/t) gold and 18.3 oz/ton (627.4 g/t) silver over an average width of 1.01 m. Other significant results included a channel sample grading 16.80 g/t gold and 613.7 g/t silver over 2.10 m from the 35 Vein and specimen samples yielding up to 61.03 g/t gold and 85.7 g/t silver from other veins in the McNeil Gulch area (Zimmer, 1968)

In 1971, UKHM conducted a two week bulldozer trenching program in the west-central part of the property, in an attempt to expose the 5 Vein along strike. This work was largely unsuccessful because of deep, frozen overburden; however, one specimen sample collected from the trench yielded 2578.3 g/t silver (Oulette, 1985). Following this work, the property lay dormant until 1980.

In 1980, UKHM performed 1780 m of percussion drilling on the property in 74 holes. The drill program was designed to test the 5 Vein, but was hampered by difficult ground conditions that resulted in the abandonment of several holes. Of the 74 holes drilled, only 24 intersected weakly mineralized vein material. The highest grade intercept was 192.69 g/t silver over 1.52 m, which was intersected in hole H-7A. The thickest interval was from hole H-4 and returned 128.91 g/t silver over 3.05 m. None of the holes were assayed for gold (Unknown, 1980; Oulette, 1985).

In 1984, UKHM planned an underground exploration program to test the extent and characteristics of the 5, 19, 21 and 24 veins. Due to delays in funding, the work did not commence until early July and the only significant effort was directed to the 19 Vein, where a total of 98 m of drifting and crosscutting were completed before winter weather forced the end of the program. Some prospecting and limited hand trenching were also carried out in 1984, resulting in the discovery of one new vein (Deklerk and Traynor, 2005).

In 1986, 660250 Ontario Limited acquired claims which were staked in 1981 by local prospectors to cover ground that had come open around the 1 Vein. That year, 660250 Ontario carried out soil sampling, VLF-EM geophysical surveys and further hand trenching on the 1 Vein, where a trench sample yielded 3374.40 g/t silver over 1.27 m (Adams, 1988). These claims were subsequently optioned to Orex Resources Limited, which drilled two short holes to test the down-dip projection of the 1 Vein in 1987. The first hole was abandoned short of the target. It was redrilled, intersecting weakly mineralized structures near the top of the hole. Neither hole explained values obtained from surface sampling (Adams, 1988).

In January 1989, low silver prices and declining reserves forced the shutdown of UKHM's silver-lead-zinc mining operations in the Keno Hill District. The company underwent a number of changes in ownership and attempts at refinancing, but none were successful. It was forced into receivership in March 2001.

In 1998, The Hinton Syndicate, a private group, staked claims peripheral to the main area of interest at Mount Hinton and in 2002 it optioned those claims to Yukon Gold Corp. Ltd. Later in 2002, UKHM claims covering the core area of interest on Mount Hinton lapsed and Yukon Gold restaked the open ground.

Between August and October 2002, Yukon Gold carried out a preliminary evaluation of the Mount Hinton property with prospecting, limited hand trenching, resampling of old workings, minor excavator trenching and road building (Junior Mine Services Ltd., 2003).

In August and September 2003, Yukon Gold conducted an excavator trenching program along a ridge extending north from the north peak of Mount Hinton. This program was designed to test

for possible westerly extensions of the McNeil Gulch veins. The 19 Vein was exposed for 24 m and channel sampled at 61 cm intervals, returning an average grade of 6.51 g/t gold and 68.57 g/t silver over an average width of 170 cm. The 21 Vein was exposed for a total length of 22 m and channel sampled at 61 cm intervals. Its weighted average grade was 42.5 g/t gold and 319 g/t silver over an average width of 105 cm. The 24 Vein was channel sampled for 24 m at 61 cm intervals, yielding an average grade of 17.5 g/t gold and 1546 g/t silver over a 49 cm average width. Excavator trenching was also performed on the 5 Vein, and a total of eight kilometres of new road was constructed to enable vehicle access to previously inaccessible parts of the property. Orientation geochemical soil sampling was carried out along the newly constructed bulldozer trails (Carne, 2003). Following this work, Yukon Gold staked additional claims that expanded the Mount Hinton property.

In July and August 2004, Yukon Gold resumed road building and excavator trenching on the property. This work was accompanied by grid soil geochemical sampling done in the headwaters of Duncan Creek, across the floor of McNeil Gulch and on the southwestern flank of the south peak of Mount Hinton. The 23, 24, 52, and 54 veins were surveyed and found to all lie along the same 1000 m recessive topographic linear, with little offset between the segments. All four vein segments were amalgamated into the 52 Vein. Specimen samples collected from historical trenches along this vein returned up to 127.5 g/t gold and 3550 g/t silver (Carne, 2004).

In July and August 2006, Yukon Gold completed grid soil sampling, excavator trenching and reverse circulation drilling. A total of 3066 soil samples were collected in the upper Duncan Creek valley and the headwaters of Lightning Creek, both significant placer gold bearing waterways. The soil sampling returned subdued results that were attributed to thick overburden cover. The samples were not analyzed for gold. The 2006 excavator trenching targeted the apparent source areas of quartz vein float uncovered during road building and successfully discovered another four mineralized veins. The trenching also exposed the 21 Vein for sampling. Two reverse circulation drill holes were attempted, but neither was completed, due to a combination of operator inexperience and mechanical problems. The first hole was abandoned at 24.4 m and the second hole at 21.3 m (Carne, 2007).

In 2007, Yukon Gold completed an exploration program that consisted of infill soil sampling, excavator trenching, diamond drilling and a helicopter-borne Versatile Time Domain Electromagnetic and Magnetic (VTEM) geophysical survey. Grid soil sampling was done in the headwaters area of Lightning Creek and in the 1 Vein area to test the on-strike projections of known veins, and in a large area within the west-central part of the property where a number of strong VTEM conductors were revealed by the helicopter-borne geophysical survey. Again, the soil samples were not analyzed for gold. Excavator trenching was carried out to explore the McNeil Gulch area and to expose the source of mineralized float boulders on the saddle between Granite Creek and McNeil Gulch. A total 1.39 km of trenching discovered 11 new vein showings, including a well-developed vein system on the floor of McNeil Gulch. Chip sampling in two separate trenches along this vein system returned values of 1.23 g/t gold and 313 g/t silver over 3 m, and 1.28 g/t gold and 114 g/t silver over 3.05 m. In addition, grab samples collected from these trenches yielded up to 3.92 g/t gold and 11,397 g/t silver (Turner & Carne, 2007).

Three diamond drill holes were attempted in 2007. The 21 and 19 Veins were targeted by drill holes DDH-MH-07-01 and -02, but driller inexperience resulted in the drill rods being frozen in the ground at both holes, before the target depths were reached. The final hole (DDH-MH-07-03) was collared on the floor of McNeil Gulch to test a number of the new vein structures exposed by excavator trenching earlier in the program. This hole intersected three well developed but poorly mineralized quartz veins (Turner & Carne, 2007).

In June 2008, the Hinton Syndicate staked the Jen claims contiguously to the southeast of the Mount Hinton claim block and performed contour soil geochemical sampling and prospecting. The program returned multiple, coincident lead-zinc-arsenic anomalies (Smith, 2010).

In 2009, the Hinton Syndicate purchased the Mount Hinton property from Yukon Gold and amalgamated the property with the Jen claims.

In March 2010, the Hinton Syndicate optioned the Mount Hinton property to Rockhaven Resources Ltd. Later that year, Rockhaven Resources conducted a geochemical sampling program, to extend the strike length of veins outside of McNeil Gulch and cover prospective ground in the Granite Creek basin. This work outlined moderate to strong, coincident gold, silver, lead, arsenic and antimony anomalies that extend 1100 m southwest from the 5 Vein. In addition, soil sampling in the Granite Creek basin resulted in the discovery of a 600 m by 500 m soil geochemical anomaly within which 40% of the samples yielded strongly anomalous gold values (Turner, 2011).

In 2011, Rockhaven Resources optioned the property to Mill City Gold Corp., which performed 2071.73 m of reverse circulation drilling and soil geochemical sampling that summer. A total of 47 holes were drilled at the 5 Vein, 55 Vein, 61-71 vein system and four geochemical anomalies. Holes targeting the 55 Vein and 61-71 vein system intersected numerous elevated but sub-economic gold and silver values. The best results were from one of three holes that tested a geochemical anomaly located 920 m northwest of the 5 Vein, along a northwest-trending ridge above Duncan Creek. That hole returned 31.7 g/t gold and 23 g/t silver over 1.52 m. This area is now referred to as 72 Vein (Phillips, 2011).

In October 2015, ownership of the Mount Hinton property was transferred to Strategic Metals from Rockhaven Resources, as part of a larger property exchange agreement.

In February 2006, Alexco Resource Corp. acquired the UKHM assets in the Keno Hill District from receivership. It subsequently built a new mill and developed the Bellekeno Mine, which achieved commercial production in January 2011. In 2013, operations were suspended, due to declining silver prices. The mines and mill are currently subject to care and maintenance, but Alexco's continued exploration has produced positive results.

## GEOMORPHOLOGY

The Mount Hinton property is located in the Gustavus Range, approximately four kilometres north of Mayo Lake. It is drained by creeks that flow into the Mayo River, which joins the

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FIGURE 5

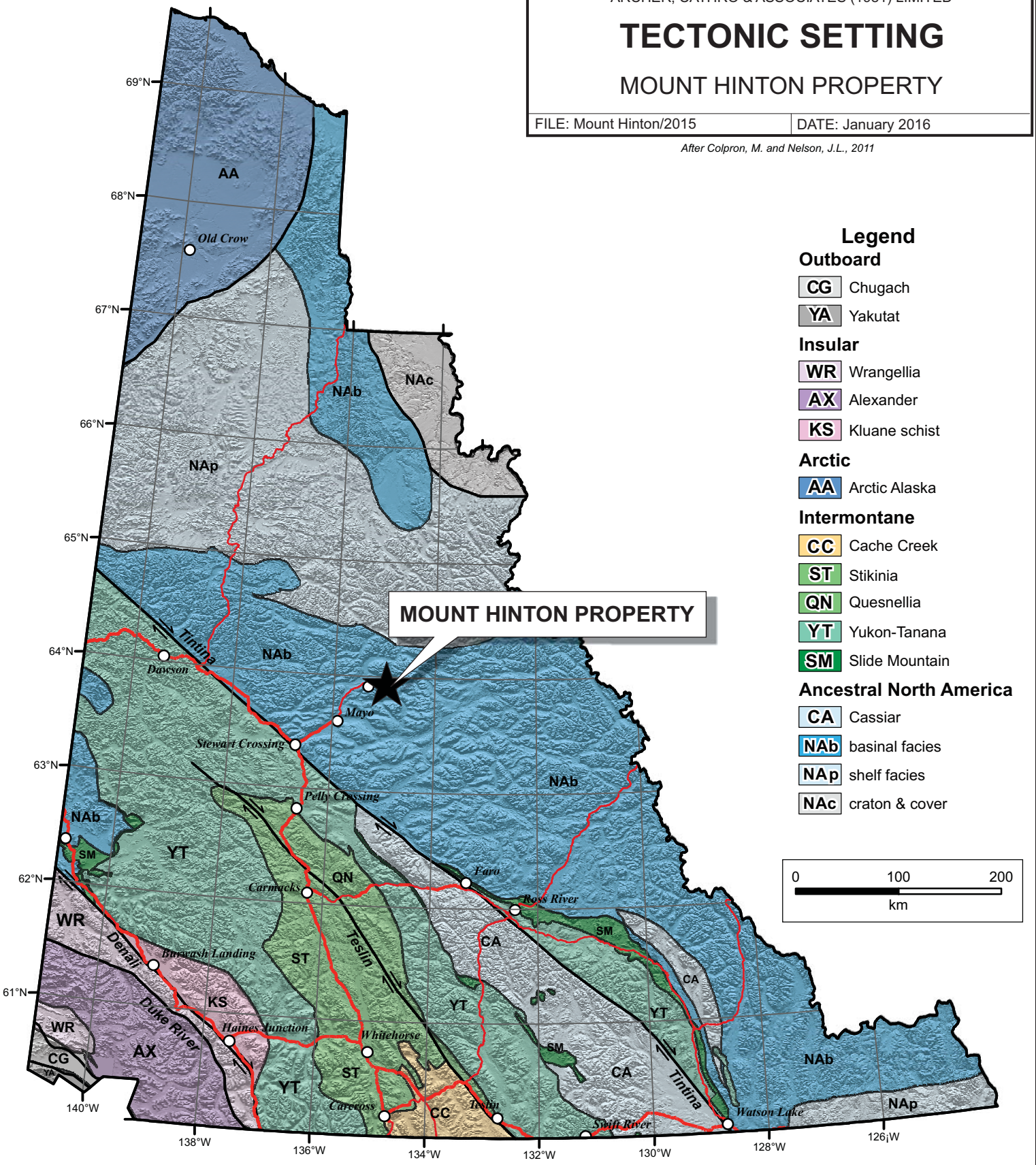
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# TECTONIC SETTING

## MOUNT HINTON PROPERTY

| FILE: Mount Hinton/2015 | DATE: January 2016 |
|---|---|

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



Stewart River near the village of Mayo. The Stewart River is a part of the Yukon River watershed.

The property covers the lowlands of Duncan Creek and a series of cirque valleys to the east that encircle Mount Hinton, including a steep north-facing cirque that forms the headwaters of McNeil Gulch (Figure 3).

Elevations on the property range from 900 m above sea level (asl) in the Duncan Creek valley to 2000 m asl on the peak of Mount Hinton. Treeline is approximately 1500 m asl and valley bottoms below this elevation are heavily vegetated with black spruce and dwarf willow. Grass, moss, talus slopes and cliffs characterize alpine terrain. Permafrost is extensive throughout the region and reaches depths of up to 150 m on Keno Hill.

The climate in the vicinity of the Mount Hinton property is typical of northern continental regions with long, cold winters, truncated fall and spring seasons and short, mild summers. Although summers are relatively mild, snowfall can occur in any month. The property is mostly snow free from early June to late September.

## REGIONAL GEOLOGY

The Mount Hinton property lies within the northwest margin of Selwyn Basin (Figure 5), a tectonic element comprising deep water clastic rocks, chert and minor carbonate that accumulated along the North American continental margin during Neoproterozoic to Paleozoic time. The basin is bound to the northeast by the Mackenzie Platform, a carbonate platform that formed the near-shore facies of ancient North America (Abbott et al, 1986).

Since 1906, the Keno Hill District has been the focus of numerous geological studies by the Geological Survey of Canada (GSC). In 1957, the GSC published 1:50,000 scale geological maps of the Mayo Lake, Scougale Creek and McQuesten Lake areas (Green, 1957), which were later incorporated into a comprehensive overview of the geology, geochemistry and mineralization of the Keno Hill District by Boyle (1965). Later mapping by Green (1971), Roots and Murphy (1997) and Roots (1997) has been revised and incorporated into a compilation by Gordey and Makepeace (2003), which is updated periodically by the Yukon Geological Survey (YGS). The following geological descriptions are based on the published data.

The Keno Hill District is largely underlain by highly deformed rocks of the Devonian to Mississippian Earn Group, the Early Carboniferous Keno Hill Formation and Triassic Galena Suite greenstone sills (Figure 6). In the property area, these units comprise the Tombstone Thrust Sheet, a package of highly strained and transposed strata that is bounded above and below by the Robert Service and Tombstone thrust faults, respectively (Roots, 1997). Both faults are directed to the northeast and were active during Jurassic to Cretaceous time (160 to 130 Ma), as part of a compressional regime related to large-scale plate convergence (Mair et al., 2006).

The hanging wall of the Robert Service Thrust Fault (RSTF) is composed of Upper Proterozoic to Lower Cambrian Hyland Group stratigraphy (PCH) that has been regionally metamorphosed to

quartz-mica and chlorite schist. Hyland Group strata is juxtaposed to the north by a footwall package of moderately south-dipping Earn Group sericite schist and chloritic phyllite (DME) and overlying Keno Hill Formation quartzite (MK). Within this package, Galena Suite meta-diorite and gabbro occur as conformable lenses or sills (Roots, 1997).

The surface trace of the Tombstone Thrust Fault (TTF) is located about 10 km north of the property, and marks the northern limit of lineated and foliated Earn Group strata in the hanging wall against less strongly deformed Earn Group rock in the footwall to the north. Deformation related to the TTF is characterized by intense foliations and lineations that were later deformed by north- to northwest-trending open folds, including the northwest-trending Mayo Lake Antiform, which is located approximately one kilometre east of the property (Roots, 1997). These large-scale faults and folds are offset by smaller-scale, north-northwest trending faults that are spaced approximately three to eight kilometres apart.

Several Mid-Cretaceous Whitehorse Suite biotite-hornblende granite and quartz monzonite igneous bodies cut the sedimentary package throughout the region. A 94 million year old, 1700 by 900 m pluton (Roop Lakes pluton) lies five kilometres east of the Mount Hinton property and cross-cuts the RSTF. This pluton is assigned to the Tombstone Suite, a Mid-Cretaceous package of metaluminous, subalkaline to locally alkaline, intermediate to felsic intrusions. These intrusions form a broad arc across west-central Yukon, which is truncated and off-set by the Tintina Fault, before continuing in the Fairbanks District of Alaska. (Roots and Murphy, 1992). Two smaller stocks are located about 20 km northwest of the property, and are associated with skarn zones that are developed in the calcareous rocks of Earn Group (Boyle, 1965).

The lithological units that occur in the immediate vicinity of the Mount Hinton property are described in Table I.

**Table I - Regional Lithological Units (*after Gordey and Makepeace, 2003*)**

| Unit Name | Age | Map Name | Description |
|---|---|---|---|
| Whitehorse Suite | Mid-Cretaceous | mKgW | Biotite-hornblende granodiorite, hornblende quartz diorite and hornblende diorite; leucocratic, biotite hornblende granodiorite locally with sparse grey and pink potassium feldspar phenocrysts. |
| | | mKqW | Biotite quartz-monzonite, biotite granite and leucogranite, pink granophyric quartz monzonite, porphyritic biotite leucogranite, locally porphyritic (K-feldspar) hornblende monzonite to syenite, and locally porphyritic leucocratic quartz monzonite. |
| Galena Suite | Triassic | TrG | Massive, medium-grained hornblende diorite and gabbro sills; massive chloritic and locally serpentinized greenstone (diorite, gabbro, and altered equivalents) sills; minor occurrences of possible Middle to Late Paleozoic age. |
| Keno Hill Formation | Mississipian | MK | Massive to thick-bedded quartz arenite; thin- to medium-bedded quartz arenite interstratified with black shale or |

| | | | |
|---|---|---|---|
| | | | carbonaceous phyllite; local scour surfaces and shale intraclasts; locally foliated and lineated. |
| Earn Group | Devonian to Mississippian | DME1 | Thin-bedded, laminated slate with thin- to thickly-interbedded fine- to medium-grained chert-quartz arenite and wacke; thick members of chert pebble conglomerate; black siliceous siltstone; nodular and bedded barite; rare limestone. |
| | | DME3 | Massive felsic to intermediate volcanic flows, tuffs and subvolcanic plug(s); locally highly altered; greenish chert and minor black slate; quartz-eye quartz-sericite chlorite phyllite; local vesicular or amygdaloidal basalt, locally pillowed. |
| Unconformity (?) | | | |
| Hyland Group | Upper Proterozoic to Lower Cambrian | PCH1 | Yusezyu Formation: thin- to thick-bedded, brown to pale-green shale, fine- to coarse-grained quartz-rich sandstone, grit, and quartz-pebble conglomerate; minor argillaceous limestone; phyllite, quartzofeldspathic and micaceous psammite, gritty psammite and minor marble. |
| | | PCH2 | Algae Lake Formation: Grey weathering, dark-grey to grey-white, thin- to thick-bedded, very fine crystalline limestone, locally sandy; calc-silicate and marble. |

## PROPERTY GEOLOGY

No property-scale geological mapping has been performed by Strategic Metals or any of the previous owners on the Mount Hinton property. The property geology described below is based on the mapping by the GSC and YGS, and observations made by exploration geologists who have worked on various parts of the property at different times.

The property straddles the RSTF, which juxtaposes Keno Hill Formation in the eastern part of the property against Yusezyu Formation in the west.

Most of the property is underlain by brittle quartzites that contain interbeds of more ductile phyllite. These rocks collectively are assigned to the Keno Hill Formation; however, a greater abundance of phyllite interbeds distinguishes the exposed section on the property from typical Keno Hill Formation elsewhere in the Keno Hill District. Exposures of quartzite are typically dark grey to light brown, while thin interbeds of phyllite are dark grey and commonly graphitic. Bedding predominantly strikes southeast and dips shallowly to the southwest, parallel to the orientation of the RTSF (Stroshein, 2011). Several conformable Galena Suite greenstone sills and lenses occur within the quartzite section.

Oulette (1985) characterizes three types of faults on the property: 1) bedding faults where movement occurred along graphitic phyllite interbeds; 2) near-bedding faults where the general strike is discordant to bedding orientation but local movement occurred along graphitic phyllite interbeds and across quartzite beds at high angles; and 3) east- to northeast-trending vein faults that are transverse to bedding and near-bedding faults, and which dip steeply to the south. In most cases, transverse faults deflect into bedding faults along the contacts of the thicker

greenstone sills, rather than penetrating them.

## MINERALIZATION

A total of 74 mineralized veins, vein segments or discrete mineralized vein float trains have been discovered to date on the Mount Hinton property. Each mineral occurrence is identified by a number that reflects the order of its discovery. Most of the significant vein occurrences found on the property occur along a steep east-trending cliff face at the head of McNeil Gulch. These occurrences cover an area of approximately 300 m by 3400 m.

Some important veins have been identified outside of McNeil Gulch, including the discovery showing, but exploration in other areas has been hampered by a lack of bedrock exposure and deep cover of frozen overburden.

In 2015, Strategic Metals collected a total of 57 rock samples east of McNeil Gulch and in the area of the 1 Vein. The 2015 rock sample locations are plotted on Figure 6. Rock Sample Descriptions and Certificates of Analysis for the 2015 samples are provided in Appendices III and IV, respectively.

Rock geochemical sample sites on the property were marked with orange flagging tape labelled with the sample number. The location of each sample was determined using a handheld GPS unit. Rock sample preparation and multi-element analyses were carried out at ALS Minerals' laboratories in Whitehorse, YT and North Vancouver, BC, respectively. Each sample was dried, fine crushed to better than 70% passing 2 mm and then a 250 g split was pulverized to better than 85% passing 75 microns. The fine fraction was analyzed for 51 elements using an aqua regia digestion followed by inductively coupled plasma combined with mass spectroscopy and atomic emission spectroscopy (ME-MS41). An additional 30 g charge was further analyzed for gold by fire assay followed by atomic absorption spectroscopy (Au-AA24).

The main vein gangue at nearly all occurrences is fractured, milky white to yellow quartz with minor siderite. Mineralization consists of, in approximate order of abundance: arsenopyrite, galena, jamesonite, pyrite, sphalerite, and gold, which weather to produce scorodite (after arsenopyrite), limonite (after pyrite) and anglesite (after galena). Arsenopyrite frequently occurs as heavy disseminations to semi-massive aggregates. Galena appears as irregular fracture fillings and small disseminations in poorly mineralized veins, and as sheeted bands in high-grade veins. Pyrite almost exclusively occurs as disseminated grains. Jamesonite is only abundant in the 5 Vein on the south peak of Mount Hinton, and the 21 Vein and other structures in the southwest part of the McNeil Gulch vein system. In the 21 Vein, it is the primary sulphide mineral and is found as finely fibrous, sheared masses that contain minor sphalerite and pyrite.

Prospecting in 2015 resulted in the discovery of the 74 Vein, located on a southeast-facing slope above Granite Creek, about 100 m south of the 7 Vein. This vein consists of a steeply northwest dipping, 1.0 m wide, barren to moderately mineralized, milky white quartz band that is flanked by a 0.6 m to 1.5 m wide, strongly mineralized, quartzite breccia in the footwall. The mineralized breccia has a quartz matrix containing disseminated to semi-massive arsenopyrite,

with minor pyrite and chalcopyrite. Four sets of chip samples were collected across the quartz band and footwall breccia along a 30 m strike length. Chip sampling did not extend into the hanging wall. The chip samples averaged 5.39 g/t gold and 3.84 g/t silver over 2.0 m, with the best samples yielding a weighted average of 6.72 g/t gold and 4.17 g/t silver over 1.8 m. Two specimen samples were also collected in the vicinity of the 74 Vein. They consisted of quartzite breccia fragments surrounded by a fine-grained matrix of arsenopyrite with minor galena and pyrite, and yielded 23.9 and 18.9 g/t gold. A specimen sample taken from a large quartzite boulder in the vicinity of the 1 Vein, hosting numerous one centimetre wide veinlets of massive arsenopyrite and boulangerite, returned 3930 g/t silver. Table II below lists the significant gold, silver and arsenic results from the 2015 samples.

**Table II – Significant 2015 Rock Sample Results**

| Sample ID | Sample Type | Gold (g/t) | Silver (g/t) | Lead (%) | Arsenic (%) |
|---|---|---|---|---|---|
| Q017553 | Specimen | 4.41 | 188 | 0.21 | >1 |
| Q017556 | Specimen | 0.39 | 3930 | >20.5 | 0.03 |
| Q017557 | Specimen | 1.19 | 1910 | 0.45 | 0.30 |
| Q017558 | Specimen | 0.02 | 189 | 0.69 | 0.01 |
| Q017569 | Specimen | 23.9 | 8.37 | trace | >1 |
| Q017570 | Specimen | 18 | 7.41 | 0.01 | >1 |
| Q017573 | Specimen | 9.74 | 6.23 | trace | >1 |
| Q017580-Q017582 | Chip Sample – 3.5 m | 2.18 | 2.74 | trace | >1 |
| Q017587-Q017588 | Chip Sample – 2 m | 4.03 | 3.94 | trace | >1 |
| Q017589-Q017590 | Chip Sample – 1.8 m | 6.72 | 4.17 | trace | >1 |
| Q017594 | Chip Sample – 0.6 m | 8.64 | 4.51 | trace | >1 |

## SOIL GEOCHEMISTRY

Historical soil geochemical sampling on the Mount Hinton property was carried out by United Keno Hill Mines Limited (1965, 1966 and 1968), 660250 Ontario Limited (1986), Yukon Gold Corp. (2003, 2004, 2006 and 2007), the Hinton Syndicate (2009), Rockhaven Resources Ltd. (2010) and Mill City Gold Corp. (2011).

Soil sampling by UKHM between 1965 and 1968 was conducted over a large portion of the current Mount Hinton property. Colourmetric (dithizone) determinations were done for lead and zinc on aqua regia-hydrochloric acid extractions from one gram samples, at UKHM's Elsa Mine assay lab. Lead, with its relative insolubility in surficial environments has been traditionally used as a discriminator for Keno Hill area silver-lead veins. UKHM normally used 24 ppm lead as the anomalous threshold.

In subsequent programs, soil samples were analysed at commercial labs using atomic spectroscopy methods for a variety of elements.

In 2015, Strategic Metals collected 325 soil samples on the property in order to increase coverage over the headwaters of the east and west forks of Granite Creek. The 2015 sample locations are shown on Figure 7, while results from all programs since 1986 for gold, silver, lead, zinc, arsenic and antimony are illustrated thematically on Figures 8 to 13, respectively. Certificates of Analysis for the 2015 samples are provided in Appendix IV.

The 2015 soil sample locations were recorded using hand-held GPS units. Sample sites are marked by aluminum tags inscribed with the sample numbers and affixed to 0.5 m wooden lath that were driven into the ground. Soil samples were collected from 20 to 75 cm deep holes dug by hand-held auger. They were placed into individually pre-numbered Kraft paper bags. The soil samples were sent to ALS Minerals in Whitehorse, where they were dried and screened to -180 microns. The fine fractions were then shipped to ALS Minerals in North Vancouver where they were analysed for 35 elements using the inductively coupled plasma-atomic emission spectroscopy technique (ME-ICP41). An additional 30 g charge was further analysed for gold by fire assay with inductively coupled plasma-atomic emissions spectroscopy finish (Au-ICP21). Anomalous thresholds and peak values for the metals of interest are listed in Table III.

**Table III – Threshold and Peak Values for Soil Samples**

| Element | Anomalous Thresholds | | | | |
|---|---|---|---|---|---|
| | **Weak** | **Moderate** | **Strong** | **Very Strong** | **Peak** |
| Gold (ppb) | ≥ 10 < 20 | ≥ 20 < 50 | ≥ 50 < 100 | ≥ 100 | 3310 |
| Silver (ppm) | ≥ 1 < 2 | ≥ 2 < 5 | ≥ 5 < 10 | ≥ 10 | 485 |
| Lead (ppm) | ≥ 50 < 100 | ≥ 100 < 200 | ≥ 200 < 500 | ≥ 500 | 7,520 |
| Zinc (ppm) | ≥ 50 < 100 | ≥ 100 < 200 | ≥ 200 < 500 | ≥ 500 | 1,110* |
| Arsenic (ppm) | ≥ 50 < 100 | ≥ 100 < 200 | ≥ 200 < 500 | ≥ 500 | ≥ 10,000 |
| Antimony (ppm) | ≥ 5 < 10 | ≥ 10 < 20 | ≥ 20 < 50 | ≥ 50 | 749 |

* 2015 soil sample.

Historical soil sampling by UKHM identified 15 anomalous zones of lead-zinc geochemistry, which were incorporated into a geochemical compilation by Carne (2007). This data has been augmented by additional soil sampling and re-evaluated as 14 anomalies, which are labelled I to XIV. Table IV lists the dimensions and geochemical characteristics of each anomaly, along with known veins that each anomaly encompasses. The anomalies are also described in the following paragraphs.

**Table IV – Geochemical Anomalies**

| Anomaly | Size (metres) | Geochemistry | Known Vein Occurrences |
|---|---|---|---|
| I | 2500 by 1000 | Ag+Sb+Zn < Pb < Au+As | 31, 61-71 |
| II | 1000 by 380 | Zn < As < Au+Ag+Pb | 7, 74 |

| | | | |
|---|---|---|---|
| III | 890 by 500 | Pb+Zn < Au+Ag+As | 1 |
| IV | 640 by 230 | Zn < Au+As | 41, 51 |
| V | 1030 by 830 | Zn < Ag+Pb < As < Au | |
| VI | 700 by 340 | As < Au | |
| VII | 1530 by 600 | Zn < Ag+Pb < Sb < Au+As | |
| VIII | 750 by 230 | Au+As | |
| IX | 1100 by 210 | Pb < Au+Ag+As | 55 |
| X | 1900 by 280 | Pb < Ag < Au+As | 5 |
| XI | 700 by 390 | As < Au | |
| XII | 740 by 360 | Sb < Au+As | |
| XIII | 890 by 260 | Au+Ag+As+Sb | |
| XIV | 990 by 380 | Au < Sb < As | |

**Anomaly I** covers an area of 1000 by 2500 m and is located in a northfacing cirque at the headwaters of McNeil Creek. It comprises a large cluster of strongly to very strongly anomalous gold and arsenic values with moderate to strong response for lead. Silver, zinc and antimony results are weakly to moderately anomalous. The strongest soil response lies at the southern end of the anomaly and likely reflects down slope dispersion from mineralized veins in the headwall of McNeil Gulch; however, more local sources should not be discounted because trenching in 2007 identified mineralized veins on the floor of the cirque where soil response is more subdued.

**Anomaly II** is located 800 m east of Anomaly I, along the east-facing slope of a ridge that divides McNeil Gulch from the east fork of Granite Creek. The anomaly comprises moderate to very strong gold, silver and lead values along the ridge, near the 60 Vein, with moderate to strong arsenic support further down slope, near the 7 and 74 veins.

**Anomaly III** lies 500 m southeast of Anomaly II and covers an 890 by 500 m area that is centered on the 1 Vein. This anomaly comprises a northeastly trending cluster of strong to very strong gold, silver and arsenic value, as well as strong response for lead and zinc.

**Anomaly IV** is located 540 m east of Anomaly III and covers two separate very strong gold and arsenic point values, in a broad area of weakly to moderately elevated zinc geochemistry.

**Anomaly V** is located in the headwaters of the northeast branch of the west fork of Granite Creek. It lies 90 m south of Anomaly II and covers a 1030 by 830 m area. The anomaly comprises very strong gold-in-soil values with moderate to strong arsenic support, weak to moderate zinc-in-soil values and subdued response for silver, lead and antimony. The 41 vein is located at the northern edge of this anomaly but the known mineralization does not adequately explain the geochemistry.

**Anomaly VI** lies 270 m southwest of Anomaly V and covers an area of 700 by 340 m. It comprises several soil samples that are very strongly anomalous for gold and moderately to strongly anomalous for arsenic. The anomaly is located along the West Fork of Granite Creek and the elevated metal response may reflect mechanical or hydromorphic dispersion from known

vein occurrences further uphill.

**Anomaly VII** is located 340 m southwest of Anomaly VI and covers a 1530 by 600 m area. The anomaly is characterized by a band of very strong gold, arsenic and antimony values with weak to moderate silver, lead and zinc support, along the base of a steep east-facing slope. The elevated geochemistry may be the result of down slope dispersion from the Vein 5 and further south, the Vein 13.

**Anomaly VIII** lies 1200 m southwest of Anomaly VII and encompasses a small cluster of moderate to strong gold and arsenic values. The anomaly returned background to weakly elevated results for all other elements of interest.

**Anomaly IX** is located 280 m north of Anomaly VIII and comprises a northeast-trending band of moderate to strong gold, silver and arsenic values and a single site with very high lead-antimony values. The anomaly covers a prominent recessive topographic linear associated with the 55 Vein and could reflect its extension, up to 400 m to the southwest. Excavator trenching was attempted on this anomaly in 2006 but was frustrated by frozen overburden.

**Anomaly X** is an east- trending target that is located 830 m north of Anomaly IX and which measures 1900 by 280 m. The anomaly consists of strong to very strong gold and arsenic values with moderately elevated silver response and weak lead support. It covers the 5 Vein and extends one kilometre southwest from it.

**Anomaly XI** lies 360 m north of Anomaly X and comprises a small cluster of very strong gold values with strong arsenic support. The anomaly is located at the headwaters of Duncan Creek and a stream sediment sample taken downstream on the eastern edge of the anomaly returned elevated lead, elevated silver and antimony values.

**Anomaly XII** is located 600 m west of Anomaly XI and covers an area of 740 by 360 m. It comprises a northeast-trending cluster of very strong arsenic values with two very high gold values in its northeastern corner. This anomaly also has moderate antimony support, but shows subduded values for all other elements of interest.

**Anomaly XIII** lies 120 m southwest of Anomaly I and encompasses a 890 by 260 m area. It comprises a northeast-trending cluster of moderate to very strong gold, silver, lead, arsenic and antimony values and possibly marks a southwestly extension of the 52 Vein. In 2004, excavator trenching was attempted to test the anomaly, but a combination of deep, unstable talus and permafrost prevented adequate evaluation.

**Anomaly XIV** is located 520 m east of Anomaly XIII and covers a 990 by 380 m cluster of very strong arsenic values with moderate gold support, on a ridge and south-facing slope above Duncan Creek. Lead and silver responses are subdued.

General geochemical response shows a few broad patterns. Zinc is strongest within Anomalies II, III, and IV, in the southwest corner of the property, while antimony values are highest near the

RSTF in the southwestern corner. Gold and arsenic geochemical response is strongest in several anomalies located near the centre of the property.

## DISCUSSION AND CONCLUSIONS

The Mount Hinton property covers a large system of gold- and silver-rich quartz veins. It is located in the Keno Hill mining camp of central Yukon, an area that hosts a number of significant prospects, deposits and past producing mines.

Despite its relatively long exploration history, the Mount Hinton property has received relatively little sub-surface work to follow up the numerous prospecting discoveries and soil geochemical anomalies. The bulk of the drilling and underground development occurred in the 1960s and was carried out under difficult conditions, requiring numerous fly camps in order to keep crews close to their work sites. Trenching was performed by hand, and mostly done without the aid of explosives. The vast majority of the fifty prospecting discoveries dating from the era were only partially elevated due to coarse unstable talus, permafrost and steep terrain. In recent years, four wheel drive vehicle and heavy equipment access has been extended into the north, west and central parts of the property, enabling more efficient exploration.

Further work on the property is definitely warranted. Detailed geological mapping should be performed around all of the known veins. Prospecting and hand trenching should be conducted to extend the strike length of the 74 Vein and to identify new vein occurrences in areas of unexplained anomalous geochemistry. Excavator trenching should be performed at the relatively accessible X to XIII soil anomalies. Promising trench results should be tested down dip with track-mounted reverse circulation (RC) or percussion rotary air blast (RAB) drilling, where terrain allows.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

J. Morton, B.Sc., GIT

## REFERENCES


Abbott, J.G., Gordey, S.P. and Tempelman-Kluit, D.J.
1986 Setting of strataform, sediment-hosted lead-zinc deposits in Yukon and northeast British Columbia; in Mineral Deposits of Northern Cordillera, J.A. Morin (ed.), Canadian Institute of Mining and Metallurgy, Special Volume 37, p. 1-18.

Adams, J.H.
1988 Diamond drill logs dated July 1987- submitted for assessment credit by Orex Resources Ltd., Kac and Dana claims, Mount Hinton area.

Boyle, R.W.
1965 Geology, geochemistry, and origin of the lead-zinc-silver deposits of the Keno Hill-Galena Hill area, Yukon Territory (with short descriptions of the tin, tungsten, and gold deposits); Geological Survey of Canada, Bulletin 111, 302 p.

Carne, R. C.
2003 Assessment report describing 2003 geological surveys, geochemical sampling and excavator trenching, Mount Hinton property; prepared for Yukon Gold Corp. Ltd. by Archer, Cathro & Associates (1981) Limited

2004 Technical report describing the exploration history, geology and gold-silver mineralization of the Mount Hinton property; prepared for Yukon Gold Corp. Ltd. by Archer, Cathro & Associates (1981) Limited

2007 Assessment report describing 2006 sampling, road building and excavator trenching on the Mount Hinton property; prepared for Yukon Gold Corp. Ltd. by Archer, Cathro & Associates (1981) Limited

Colpron, M. and Nelson, J. L.
2011 A digital atlas of terranes for the Northern Cordillera; Yukon Geological Survey and British Columbia Geology Survey, BCGS GeoFile 2011-11 http://www.geology.gov.yk.ca/pdf/CanCord_terranes_2011.pdf

Deklerk, R. and Traynor, S. (compilers)
2005 Yukon Minfile 2005 – A Database of Mineral Occurrences; Yukon Geological Survey, CD-ROM.

Green, L.H.
1957 Geology of Mayo Lake, Yukon Territory; Geological Survey of Canada, Preliminary Map 5-1956

1971 Geology of Mayo Lake, Scougale Creek and McQuesten Lake map-areas, Yukon Territory (105M/15, 106D/2, 106D/3); Geological Survey of Canada, Memoir 357.

Gordey, S.P. and Makepeace, A.J. (compilers)
2003 Yukon Digital Geology, version 2.0; Geological Survey of Canada, Open File 1749 and Yukon Geological Survey, Open File 2003-9 (D).

Junior Mine Services
2003 Mount Hinton gold property, 2002 exploration program; private unpublished report prepared for Yukon Gold Corp. Ltd.

Mair, J.L., Hart, C., and Stephens, J.R.
2006 Deformation history of the northwestern Selwyn Basin, Yukon, Canada: Implications for orogeny evolution and mid-Cretaceous magmatism; Geological Society of America Bulletin, March/April 2006, V. 118, p. 289-303.

Murphy, D.C.
1997 Geology of the McQuesten River region, northern McQuesten and Mayo map areas, Yukon Territory (115P/14, 15, 16: 105M/13, 14). Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Bulletin 6, 122 p.

Nelson, J.L. and Colpron, M.
2007 Tectonics and metallogeny of the Canadian and Alaskan Cordillera, 1.8 Ga to present; in Mineral Deposits of Canada: A Synthesis of Major Deposit Types, District Metallogeny, the Evolution of Geological Provinces, and Exploration Methods; W.D. Goodfellow (ed.), Mineral Deposit Division, Geological Association of Canada, Special Publication 5, p. 755-791. Available at: http://gsc.nrcan.gc.ca/mindep/synth_prov/cord/pdf/nelson_colpron_cordilleran_metallogeny.pdf

Ouellette, D.J.
1985 Report on the Mount Hinton area, 1984; assessment report prepared for United Keno Hill Mines Ltd.

Phillips, R.
2011 Assessment report describing reverse circulation percussion drilling and soil geochemical sampling on the Mount Hinton property; prepared for Mill City Gold Corp. and Rockhaven Resources Ltd. by Archer, Cathro & Associates (1981) Limited

Roots, C.F. and Murphy, D.C.
1992 Geology of Mayo Map Area, Yukon Territory (105M); Geological Survey of Canada, Open File 2483.

Roots, C.F.
1997 Geology of the Mayo Map Area, Yukon Territory (105M); Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Bulletin 7, 82 p.

Smith, J.
2010 Soil Sampling and Prospecting Program on Jen Claim Block; assessment report prepared for the Hinton Syndicate, May 2010.

Stroshein, R.W.
2011 Technical report to describe the geology, mineralization and exploration history on the Mount Hinton property; prepared for Mill City Gold Corp.

Turner, M.
2011 Assessment report describing soil geochemical sampling on the Mount Hinton property; prepared for Rockhaven Resources Ltd. by Archer, Cathro & Associates (1981) Limited

Turner, M. and Carne, R.C.
2007 Assessment report describing 2007 sampling, road building and excavator trenching on the Mount Hinton property; prepared for Yukon Gold Corp. Ltd. by Archer, Cathro & Associates (1981) Limited

Unknown
1980 Diamond drill logs dated December 1980- submitted for assessment credit by United Keno Hill Mines Ltd., T and TV claims, Mount Hinton area.

Zimmer, G.S.
1968 Report on the 1968 exploration program in the McNeil Gulch area; assessment report prepared for United Keno Hill Mines Ltd.

# APPENDIX I

# STATEMENT OF QUALIFICATIONS

## STATEMENT OF QUALIFICATIONS

I, Jack Morton, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in Vancouver, British Columbia, hereby certify that:

1. I graduated from Simon Fraser University in 2013 with a B.Sc. in Earth Science.

2. From 2007 to present, I have been actively engaged in mineral exploration in Yukon Territory, British Columbia, and Northwest Territories

3. I am a Geoscientist in Training (G.I.T.) with the Association of Professional Engineers and Geoscientists of British Columbia.

4. I supervised the field program and have interpreted all data resulting from this work.

J. Morton, B.Sc., GIT

# APPENDIX II

# STATEMENT OF EXPENDITURES

Statement of Expenditures
225 Mt. Hinton Mineral Claims
October 13, 2015

Labour

| | |
|---|---|
| D. Eaton (geologist) 3 hours July-August at $120/hr | $ 378.00 |
| J. Morton (geologist) 5 hours May at $79/hr | 414.75 |
| R. Thomas (geologist) 14 days July at $488/day | 7,173.60 |
| L. Vinnedge (field assistant) 14 days July at $408/day | 5,997.60 |
| A. Soucy-Fradette (field assistant) 14 days July at $360/day | 5,292.00 |
| J. Mariacher (office) 10 3/4 hours July-October at $90/hr | 1,015.88 |
| L. Corbett (expedite) 18 hours July 18 at $81/hr | 1,530.90 |
| L. Smith (office & expedite) 23 hours July 23 at $69/hr | 1,666.35 |
| S. Newman (office) 5 hours July-August at $64/hr | 336.00 |
| | 23,805.08 |

Expenses (including management)

| | |
|---|---|
| Field room and board – 42 mandays @ $180/manday | 8,573.04 |
| TNTA Helicopters – 4.9 hours Bell 206B at $990/hr plus fuel | 6,261.17 |
| ALS Chemex | 9,611.71 |
| Truck rental and fuel | 1,439.59 |
| Report preparation estimate | 2,500.00 |
| | 28,385.51 |

| | |
|---|---|
| Total | $52,190.59 |

381 samples at $52,190.59= $136.98/sample

# APPENDIX III

# ROCK SAMPLE DESCRIPTIONS

**Rock Sample Descriptions** Property: Mt Hinton

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017551 | UTM: | 497880 | mE | Nad83, Zone 8 |
| Elevation: | 1547 m | UTM: | 7083427 | mN | |
| Comments: | quartzite with bedded quartz veinlets with ~50% sulpide (Py/AsPy?) disseminated in quartz, oxide present as well. Large boulder below outcrop | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017552 | UTM: | 497411 | mE | Nad83, Zone 8 |
| Elevation: | 1601 m | UTM: | 7083186 | mN | |
| Comments: | Massive limonitic oxide occuring in assosiation with a .2m thick quartz vein oriented 063/85. Altered material has disseminated pyrite and arsenopyrite, with a punky texture. | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017553 | UTM: | 497358 | mE | Nad83, Zone 8 |
| Elevation: | 1586 m | UTM: | 7083350 | mN | |
| Comments: | bleached vuggy altered quartzite with abundant disseminated sulpide or sulphosalt. Stringer of limonite through out, relatively heavy. | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017554 | UTM: | 497429 | mE | Nad83, Zone 8 |
| Elevation: | 1591 m | UTM: | 7083353 | mN | |
| Comments: | quartz breccia with abundant ~20% pyrite with minor galena ~2% in float near source of the Vein#1 anomaly. | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017555 | UTM: | 497402 | mE | Nad83, Zone 8 |
| Elevation: | 1595 m | UTM: | 7083352 | mN | |
| Comments: | mineralized quartz veinlets with goethite, 1-2cm thick 50% qtz, 50% sulphide or sulphosalt (no gelena, steel grey with no notable habit) | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017556 | UTM: | 497416 | mE | Nad83, Zone 8 |
| Elevation: | 1593 m | UTM: | 7083347 | mN | |
| Comments: | ~1cm thick galena and boulangerite veinlets with quartzite, slicks on surface of large boulder, very near source of the Vein#1 anomaly | | | | |

**Rock Sample Descriptions** Property: Mt Hinton

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017557 | UTM: | 497421 | mE | Nad83, Zone 8 |
| Elevation: | 1589 m | UTM: | 7083338 | mN | |
| Comments: | quartz rich limonite oxide, oxides orange to brown, pyrite pseudomorphs throughout. | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017558 | UTM: | 496851 | mE | Nad83, Zone 8 |
| Elevation: | 1570 m | UTM: | 7083268 | mN | |
| Comments: | sandy quartzite with purplish limonite and brown orange oxide, possible hydrothermal breccia, taken from old blast trench | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017559 | UTM: | 496852 | mE | Nad83, Zone 8 |
| Elevation: | 1830 m | UTM: | 7083269 | mN | |
| Comments: | sandy oxide breccia with abundant limonite and minor goethite stringers, orange oxide filling vugs | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017560 | UTM: | 496866 | mE | Nad83, Zone 8 |
| Elevation: | 1827 m | UTM: | 7083268 | mN | |
| Comments: | quartz oxide breccia, oxide is brown to orange, quartz is frosted, ~20% limonite disseminated throughout | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017561 | UTM: | 497669 | mE | Nad83, Zone 8 |
| Elevation: | 1570 m | UTM: | 7083579 | mN | |
| Comments: | quartz rich quartzite (recrystalized?) with minor (>5%) aresenopyrite, calcopyrite, and pyrite, dark oxide occuring locally. | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017562 | UTM: | 497737 | mE | Nad83, Zone 8 |
| Elevation: | 1557 m | UTM: | 7083535 | mN | |
| Comments: | quartz quartzite breccia with minor phyllite clasts, clast are sub-angular, matrix is tan to orange with minor limonitic stringers | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017563 | UTM: | 497808 | mE | Nad83, Zone 8 |
| Elevation: | 1544 m | UTM: | 7083491 | mN | |
| Comments: | semi-massive sulphide, greyish quartz and ~50% disseminated sulphide, silver grey in colour, possibly galena but no notable habit, from possible stratabound mineralized horrizon in quartzite | | | | |

**Rock Sample Descriptions** Property: Mt Hinton

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017564 | UTM: | 497656 | mE | Nad83, Zone 8 |
| Elevation: | 1560 m | UTM: | 7083539 | mN | |
| Comments: | brown sandy oxidized quartzite with ~30% disseminated pyrite. | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017565 | UTM: | 497128 | mE | Nad83, Zone 8 |
| Elevation: | 1653 m | UTM: | 7083090 | mN | |
| Comments: | quartz rich quartzite breccia with tan to purplish oxide, sandy texture, locally porous with minor vugs willed with black oxide, in talus below large linear structure (fault?) | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017566 | UTM: | 497019 | mE | Nad83, Zone 8 |
| Elevation: | 1786 m | UTM: | 7082961 | mN | |
| Comments: | altered material sampled directly from mineralized fault/dilatent structure orriented 065/85. sample is bleached grey and vuggy with abundant quartz and ~50% very fine grained dull silver grey mineral (sulpide or sulphosalt?) zones of mineralization are massive up to 3cm in diameter. No rep. | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017567 | UTM: | 497766 | mE | Nad83, Zone 8 |
| Elevation: | 1580 m | UTM: | 7083716 | mN | |
| Comments: | gabbro with quartz veinlets and 1-3mm sulphide crystals, ~2% chalcopyrite and minor pyrite. | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017568 | UTM: | 497566 | mE | Nad83, Zone 8 |
| Elevation: | 1579 m | UTM: | 7083696 | mN | |
| Comments: | quartz vein breccia with vuggy regions of black oxide, and limonitic stringers, quartz is stained orange to yellow | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017569 | UTM: | 496863 | mE | Nad83, Zone 8 |
| Elevation: | 1641 m | UTM: | 7084214 | mN | |
| Comments: | quartzite breccia with finegrained sulphide matrix, mostly arsenopyrite with minor galena, comp sample of similar material from 2x2m area, very near quartz vein oriented 060/85 | | | | |

**Rock Sample Descriptions** Property: Mt Hinton

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017570 | UTM: | 496863 | mE | Nad83, Zone 8 |
| Elevation: | 1643 m | UTM: | 7084212 | mN | |
| Comments: | quartzite breccia with fine grained sulphide matrix, mostly arsenopyrite with minor galena and pyrite, mineralization is massive occuring in zones 5cm in diameter, very near quartz vein oriented 060/85 | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017571 | UTM: | 496821 | mE | Nad83, Zone 8 |
| Elevation: | 1653 m | UTM: | 7084190 | mN | |
| Comments: | quartzite breccia with quartz and ~10% sulphide (arsenopyrite?), minor orange and yellow staining sourced from quartz vein oriented 060/85 | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017572 | UTM: | 497009 | mE | Nad83, Zone 8 |
| Elevation: | 1638 m | UTM: | 7084266 | mN | |
| Comments: | quartz breccia with tan oxide and ~10% sulphide (arsenopyrite and galena), brown to black oxide present. Sourced from quartz vein oriented 060/85 | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017573 | UTM: | 496828 | mE | Nad83, Zone 8 |
| Elevation: | 1648 m | UTM: | 7084183 | mN | |
| Comments: | massively mineralized vein breccia ~80% sulphide - mostly arsenopyrite with minor galena and chalcopyrite and pyrite. Sample from vein ~20cm wide, continues sample over 1.5m. Mineralized material is very heavy, weathers black and cracked (looks dried out). On periphery of quartz vein oriented 060/85. The Bold Bob showing. | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017574 | UTM: | 496799 | mE | Nad83, Zone 8 |
| Elevation: | 1650 m | UTM: | 7084184 | mN | |
| Comments: | quartz breccia with ~60% sulphide, asenopyrite with minor galena and pyrite. Approximatly 20m along strike from the bold bob showing. Breccia has similar appearance. In float, but near source. Will trench. | | | | |

**Rock Sample Descriptions** Property: Mt Hinton

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017575 | UTM: | 496966 | mE | Nad83, Zone 8 |
| Elevation: | 1642 m | UTM: | 7084294 | mN | |

Comments: 5cm wide mineralized vein. Alteration and minor mineralization extend ~10cm into wall rock. Sample is of massive mineralized material. Approximately 90% finegrained arseno with minor galena and pyrite. Sampled over 1m where exposed. Approximatly 200m along strike for the bold bob showing.

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017576 | UTM: | 497289 | mE | Nad83, Zone 8 |
| Elevation: | 1586 m | UTM: | 7083888 | mN | |

Comments: extensively quartz veined quartzite, quartz yellow to orange ans is filling fractures. Quartz have ~5-10% arsenopyrite and pyrite with minor sphalerite. Found in float in ressive gully, close to source.

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017577 | UTM: | 497385 | mE | Nad83, Zone 8 |
| Elevation: | 1604 m | UTM: | 7083961 | mN | |

Comments: massive sulphide in oxidized quartzite breccia, found as float on grassy slope. Abundant cobbles with large zones of massive sulphide. Very fines grained, mostly arseno with minor galena. Taken as comp of sulphide rich material from 2x2m area. Follow up indicates that mineralization is strata bound.

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017578 | UTM: | 497138 | mE | Nad83, Zone 8 |
| Elevation: | 1644 m | UTM: | 7084436 | mN | |

Comments: up to 10cm thick massive mineralized vein material in quartzite float, ~400m along strike for the bold bob. Vein material is mostly fine grained arsenopyrite with minor galena and pyrite. !~10% Disseminated pyrite also present in wall rock.

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017579 | UTM: | 497119 | mE | Nad83, Zone 8 |
| Elevation: | 1644 m | UTM: | 7084461 | mN | |

Comments: quartz vein breccia with massive sulphide zones up to 10cm thick. Mineralization in moslty fine grained arsenopyrite with minor galena and pyrite. Sample maybe insitu, but possibly minor transport - subcrop.

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017580 | UTM: | 496827 | mE | Nad83, Zone 8 |
| Elevation: | 1637 m | UTM: | 7084191 | mN | |

Comments: Bold Bob Vein - Channel Sample - 0m mark - sample (0-1m) - Massive quartize underlayen by phyllite, minor selvages of quartz bearing sulphide?

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017581 | UTM: | 496827 | mE | Nad83, Zone 8 |
| Elevation: | 1637 m | UTM: | 7084191 | mN | |

Comments: Bold Bob Vein - Channel Sample - 0m mark - Sample (1-2.5m) Zones of massive sulphide (~20%) comprised of arsenopyrite with minor pyrite and calcopyrite. ~30% quartz vein breccia with abundant sulpides. ~50% quartzite with quartz veinlets with disseminated sulphide throughout.

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017582 | UTM: | 496827 | mE | Nad83, Zone 8 |
| Elevation: | 1637 m | UTM: | 7084191 | mN | |

Comments: Bold Bob Vein - Channel Sample - 0m mark - Sample (2.5-3.5m) massive milky white quartz with very minor brecciated quartzite, mostly barren, very minor sulphide

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017583 | UTM: | 496827 | mE | Nad83, Zone 8 |
| Elevation: | 1637 m | UTM: | 7084191 | mN | |

Comments: Bold Bob Vein - Channel Sample - 5m mark - Sample (0-1m) compitnent quartzite with minor quartz veinlets, possible minor disseminated sulphide.

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017584 | UTM: | 496827 | mE | Nad83, Zone 8 |
| Elevation: | 1637 m | UTM: | 7084191 | mN | |

Comments: Bold Bob Vein - Channel Sample - 5m mark - Sample (1-2.2m) Zones of massive sulphide (~15%) comprised of arsenopyrite with minor pyrite and calcopyrite. ~25% quartz vein breccia with abundant sulpides. ~60% quartzite with quartz veinlets with disseminated sulphide throughout.

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017585 | UTM: | 496827 | mE | Nad83, Zone 8 |
| Elevation: | 1637 m | UTM: | 7084191 | mN | |

Comments: Bold Bob Vein - Channel Sample - 5m mark - Sample (2.2-3.2m) Massive milky white quartz, appears barren

**Rock Sample Descriptions** Property: Mt Hinton

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017586 | UTM: | 496827 | mE | Nad83, Zone 8 |
| Elevation: | 1637 m | UTM: | 7084191 | mN | |

Comments: Bold Bob Vein - Channel Sample -10m mark - Sample (0-1m) Massive quartzite with minor quartz veinlets, and possible minor selvages of disseminated sulphide

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017587 | UTM: | 496827 | mE | Nad83, Zone 8 |
| Elevation: | 1637 m | UTM: | 7084191 | mN | |

Comments: Bold Bob Vein - Channel Sample - 10m mark - Sample (1-2m) massive mineralization in veinlets 3-5cm in width (~15%), remainder of sample is weaklt brecciated quartzite with disseminated shulphide throughout

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017588 | UTM: | 496827 | mE | Nad83, Zone 8 |
| Elevation: | 1637 m | UTM: | 7084191 | mN | |

Comments: Bold Bob Vein - Channel Sample - 10m mark - Sample (2-3m) massive quartz with minor brecciated quartzite, with possible disseminated mineralization

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017589 | UTM: | 496827 | mE | Nad83, Zone 8 |
| Elevation: | 1637 m | UTM: | 7084191 | mN | |

Comments: Bold Bob Vein - Channel Sample - 15m mark - Sample (0-1m) Massive quartzite with abundant quartz veinlets

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017590 | UTM: | 496827 | mE | Nad83, Zone 8 |
| Elevation: | 1637 m | UTM: | 7084191 | mN | |

Comments: Bold Bob Vein - Channel Sample - 15m mark - Sample (1-1.8m) yellow to orange quartz breccia with zones of massive sulphide ~20%, and ~80% becciated material with disseminated sulphide

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017591 | UTM: | 496827 | mE | Nad83, Zone 8 |
| Elevation: | 1637 m | UTM: | 7084191 | mN | |

Comments: Bold Bob Vein - Channel Sample - 15m mark - Sample (1.8-2.8m) compitent quartzie with possible disseminated sulphide in veinlets

**Rock Sample Descriptions** Property: Mt Hinton

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017592 | UTM: | 496855 | mE | Nad83, Zone 8 |
| Elevation: | 1637 m | UTM: | 7084202 | mN | |
| Comments: | Composite sample of highly altered material from hanging wall of the bold bob vein , mostly orange stained oxide breccia with minor disseminated sulphide. | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017593 | UTM: | 496827 | mE | Nad83, Zone 8 |
| Elevation: | 1637 m | UTM: | 7084191 | mN | |
| Comments: | Bold Bob Vein - Channel Sample - 20m mark - Sample (0-1m) compitent quartzite with quartz veinlets | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017594 | UTM: | 496827 | mE | Nad83, Zone 8 |
| Elevation: | 1637 m | UTM: | 7084191 | mN | |
| Comments: | Bold Bob Vein - Channel Sample - 20m mark - Sample (1-1.6m) massive sulphide ~20% with 80% brecciated material with minor disseminated sulphide. | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017595 | UTM: | 496827 | mE | Nad83, Zone 8 |
| Elevation: | 1637 m | UTM: | 7084191 | mN | |
| Comments: | Bold Bob Vein - Channel Sample - 20m mark - Sample (1.6-2.6m) compitent quartzite with quartz veinlets, possibly minor disseminated sulphide | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017596 | UTM: | 496827 | mE | Nad83, Zone 8 |
| Elevation: | 1637 m | UTM: | 7084191 | mN | |
| Comments: | Bold Bob Vein Chip sample - 30m mark - (0-1m) - Phylittic shales with minor quartz selvages. | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017597 | UTM: | 496827 | mE | Nad83, Zone 8 |
| Elevation: | 1637 m | UTM: | 7084191 | mN | |
| Comments: | Bold Bob Vein chip sampling - 30m mark - (2-2.8m) - quartz breccia with ~30% sulphide, and ~20cm thick vein of massive asenopyrite/galena | | | | |

**Rock Sample Descriptions** Property: Mt Hinton

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017598 | UTM: | 496827 | mE | Nad83, Zone 8 |
| Elevation: | 1637 m | UTM: | 7084191 | mN | |
| Comments: | Bold Bob Chip sampling - 30m mark - (2.8-3.8m) - barren milky white quartz and quartzite with minor phyllitic interbeds | | | | |
| Sample Number: | Q017599 | UTM: | 496965 | mE | Nad83, Zone 8 |
| Elevation: | 1646 m | UTM: | 7084293 | mN | |
| Comments: | Chip sample of mineralized vein, ~200m along strike from the bold bob. Sample interval (0-1m) - massive quartzite with quartz veinlets. | | | | |
| Sample Number: | Q017600 | UTM: | 496965 | mE | Nad83, Zone 8 |
| Elevation: | 1646 m | UTM: | 7084293 | mN | |
| Comments: | Chip sample of mineralized vein, ~200m along strike from the bold bob. Sample interval (1-1.6m) - massive mineralized vein (arsenopyrite/galena) ~10cm in width orriented ~235/80. with brecciated material with disseminated sulphide | | | | |
| Sample Number: | Q017601 | UTM: | 496965 | mE | Nad83, Zone 8 |
| Elevation: | 1646 m | UTM: | 7084293 | mN | |
| Comments: | Chip sample of mineralized vein, ~200m along strike from the bold bob. Sample interval (2.8-3.8m) massive grey quartzite with quartz veinlets. | | | | |
| Sample Number: | Q017602 | UTM: | 497426 | mE | Nad83, Zone 8 |
| Elevation: | 1596 m | UTM: | 7083353 | mN | |
| Comments: | vein #1 hand trench - sample interval (0-2m) - phyllitic shales with minor quartz selvages. | | | | |
| Sample Number: | Q017603 | UTM: | 497426 | mE | Nad83, Zone 8 |
| Elevation: | 1596 m | UTM: | 7083353 | mN | |
| Comments: | vein #1 hand trench - sample interval (2-3.5m) - highly altered quartz and quartzite, sandy texture, pervasive silicic alteration. Orange to brown oxides present. | | | | |

**Rock Sample Descriptions** Property: Mt Hinton

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017604 | UTM: | 497426 | mE | Nad83, Zone 8 |
| Elevation: | 1596 m | UTM: | 7083353 | mN | |
| Comments: | vein #1 hand trench - sample interval (3.5-4m) - highly altered quartzite with abundant quartz veinlets with disseminated sulphide throughout ~10% | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017605 | UTM: | 497426 | mE | Nad83, Zone 8 |
| Elevation: | 1596 m | UTM: | 7083353 | mN | |
| Comments: | vein #1 hand trench - sample interval (4-4.8m) - massive milky white quartz, with minor brecciated pieces of quartzite. | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017606 | UTM: | 497426 | mE | Nad83, Zone 8 |
| Elevation: | 1596 m | UTM: | 7083353 | mN | |
| Comments: | vein #1 hand trench - sample interval (4.8-5.8m) - massive quartzite with quartz veinlets. Altered appearance. | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Sample Number: | Q017607 | UTM: | 497426 | mE | Nad83, Zone 8 |
| Elevation: | 1596 m | UTM: | 7083353 | mN | |
| Comments: | vein #1 hand trench - sample interval (5.8-9m) - bedrock not reached - composite sample of highly mineralized float (close to source?), arsenopyrite/galena veinlets up to 2cm thick. | | | | |

# APPENDIX IV

# CERTIFICATES OF ANALYSIS

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
**1016 - 510 W HASTINGS STREET**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 3-AUG-2015**
**Account: ROCKHA**

# CERTIFICATE WH15104673

Project: Mount Hinton

This report is for 22 Rock samples submitted to our lab in Whitehorse, YT, Canada on 21-JUL-2015.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| MATT DUMALA | JOAN MARIACHER | JARED TARSWELL |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-31 | Fine crushing - 70% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-31 | Pulverize split to 85% <75 um |

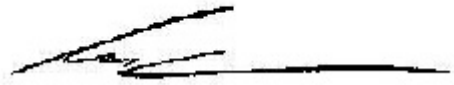
## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-OG46 | Ore Grade Elements - AquaRegia | ICP-AES |
| Pb-OG46 | Ore Grade Pb - Aqua Regia | VARIABLE |
| Ag-GRA21 | Ag 30g FA-GRAV finish | WST-SIM |
| Au-AA24 | Au 50g FA AA finish | AAS |
| Au-GRA22 | Au 50 g FA-GRAV finish | WST-SIM |
| ME-MS41 | 51 anal. aqua regia ICPMS | |
| Ag-OG46 | Ore Grade Ag - Aqua Regia | VARIABLE |

To: **ROCKHAVEN RESOURCES LTD.**
**ATTN: JOAN MARIACHER**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
**1016 - 510 W HASTINGS STREET**
**VANCOUVER BC V6B 1L8**

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

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

**Signature:** 

Colin Ramshaw, Vancouver Laboratory Manager

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**Finalized Date: 3-AUG-2015**
**Account: ROCKHA**

Project: Mount Hinton

# CERTIFICATE OF ANALYSIS WH15104673

| Sample Description | Method | WEI-21 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Au | B | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.02 | 0.01 | 0.01 | 0.1 | 0.2 | 10 | 10 | 0.05 | 0.01 | 0.01 | 0.01 | 0.02 | 0.1 | 1 | 0.05 |
| Q017551 | | 0.45 | 0.51 | 0.02 | 19.1 | <0.2 | <10 | <10 | <0.05 | 0.04 | 0.01 | 0.01 | 1.13 | 0.5 | 3 | <0.05 |
| Q017552 | | 0.43 | 0.79 | 0.38 | 2020 | 0.2 | 20 | 40 | 0.64 | 1.21 | 0.01 | 0.59 | 99.1 | 68.5 | 5 | 0.54 |
| Q017553 | | 0.59 | >100 | 0.04 | >10000 | 3.1 | <10 | 30 | <0.05 | 5.77 | <0.01 | 58.7 | 0.97 | 2.3 | 1 | 0.26 |
| Q017554 | | 0.53 | 11.80 | 0.07 | 5310 | 0.2 | <10 | 20 | <0.05 | 4.02 | 0.01 | 12.70 | 9.17 | 2.0 | 8 | 0.19 |
| Q017555 | | 0.58 | 13.25 | 0.05 | >10000 | 0.2 | <10 | 30 | <0.05 | 1.82 | 0.01 | 3.57 | 6.30 | 0.3 | 11 | 0.29 |
| Q017556 | | 0.64 | >100 | 0.03 | 349 | 0.4 | <10 | 20 | <0.05 | 177.5 | <0.01 | 24.6 | 5.17 | 0.2 | 6 | 0.10 |
| Q017557 | | 0.54 | >100 | 0.06 | 2960 | 1.5 | <10 | 10 | <0.05 | 1.49 | <0.01 | 1.10 | 2.89 | 0.3 | 5 | 0.10 |
| Q017558 | | 0.72 | >100 | 0.24 | 132.5 | <0.2 | <10 | 250 | 0.36 | 4.91 | 0.01 | 32.3 | 18.40 | 53.4 | 8 | 4.26 |
| Q017559 | | 0.59 | 22.4 | 0.17 | 282 | <0.2 | <10 | 60 | 0.13 | 0.08 | 0.01 | 2.63 | 16.55 | 7.9 | 7 | 0.36 |
| Q017560 | | 0.61 | 12.55 | 0.23 | 257 | <0.2 | <10 | 750 | 0.08 | 0.28 | 0.02 | 13.30 | 11.65 | 54.2 | 8 | 3.59 |
| Q017561 | | 0.72 | 2.64 | 4.09 | 34.0 | <0.2 | <10 | 50 | 0.14 | 0.02 | 2.32 | 1.39 | 3.90 | 46.0 | 198 | 0.14 |
| Q017562 | | 0.57 | 1.13 | 0.65 | 26.3 | <0.2 | <10 | 60 | 0.19 | 0.12 | 0.04 | 0.51 | 17.05 | 3.5 | 27 | 1.49 |
| Q017563 | | 0.57 | 2.08 | 0.20 | 59.8 | <0.2 | <10 | <10 | <0.05 | 0.20 | 0.08 | 0.06 | 2.19 | 3.3 | 13 | 0.05 |
| Q017564 | | 0.47 | 0.74 | 0.07 | 11.7 | <0.2 | <10 | 10 | <0.05 | 0.13 | 0.01 | 0.04 | 2.53 | 2.9 | 8 | <0.05 |
| Q017565 | | 0.70 | 3.64 | 0.18 | 170.0 | <0.2 | <10 | 20 | 0.18 | 0.03 | 0.03 | 0.80 | 10.15 | 14.1 | 11 | 0.62 |
| Q017566 | | 0.98 | 5.26 | 0.11 | >10000 | 1.9 | <10 | 30 | <0.05 | 0.51 | 0.01 | 15.55 | 29.7 | 18.8 | 17 | 0.57 |
| Q017567 | | 0.58 | 0.60 | 5.79 | 850 | <0.2 | <10 | 380 | 0.20 | 0.02 | 0.82 | 0.36 | 15.65 | 59.7 | <1 | 6.10 |
| Q017568 | | 0.61 | 0.69 | 0.79 | 6790 | <0.2 | <10 | 30 | 0.13 | 0.08 | 0.02 | 0.89 | 10.95 | 6.8 | 15 | 0.47 |
| Q017569 | | 1.23 | 8.37 | 0.23 | >10000 | 17.7 | <10 | 30 | <0.05 | 4.26 | 0.02 | 0.13 | 7.26 | 15.8 | 3 | 0.38 |
| Q017570 | | 0.84 | 7.41 | 0.18 | >10000 | 12.8 | <10 | 20 | <0.05 | 4.39 | 0.01 | 0.14 | 3.75 | 14.9 | 4 | 0.43 |
| Q017571 | | 0.64 | 0.81 | 0.12 | >10000 | 0.7 | <10 | 80 | <0.05 | 0.62 | 0.01 | 0.27 | 4.59 | 6.1 | 6 | 1.37 |
| Q017572 | | 0.68 | 18.45 | 0.11 | >10000 | 1.7 | <10 | 80 | 0.05 | 176.0 | <0.01 | 0.10 | 2.26 | 1.5 | 2 | 0.16 |

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

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**Finalized Date: 3-AUG-2015**
**Account: ROCKHA**

Project: Mount Hinton

# CERTIFICATE OF ANALYSIS WH15104673

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Cu | Fe | Ga | Ge | Hf | Hg | In | K | La | Li | Mg | Mn | Mo | Na | Nb |
| | Units | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm |
| | LOR | 0.2 | 0.01 | 0.05 | 0.05 | 0.02 | 0.01 | 0.005 | 0.01 | 0.2 | 0.1 | 0.01 | 5 | 0.05 | 0.01 | 0.05 |
| Q017551 | | 4.2 | 9.58 | 0.12 | 0.05 | 0.04 | 0.03 | 0.015 | <0.01 | 0.6 | 0.3 | 0.01 | 35 | 0.40 | <0.01 | 0.06 |
| Q017552 | | 122.5 | 18.40 | 0.99 | 0.16 | 0.03 | 0.02 | 0.020 | 0.03 | 30.2 | 0.7 | 0.01 | 452 | 9.00 | 0.01 | 0.10 |
| Q017553 | | 75.5 | 23.3 | 1.07 | 0.09 | <0.02 | 0.76 | 26.1 | 0.01 | 0.6 | 0.3 | <0.01 | <5 | 0.47 | <0.01 | 0.05 |
| Q017554 | | 16.0 | 4.31 | 0.45 | <0.05 | 0.02 | 0.23 | 3.76 | 0.03 | 4.3 | 0.3 | 0.01 | 45 | 1.07 | <0.01 | 0.13 |
| Q017555 | | 6.7 | 2.05 | 0.26 | <0.05 | 0.03 | 0.08 | 1.690 | 0.03 | 3.2 | 0.2 | <0.01 | 22 | 1.14 | <0.01 | 0.15 |
| Q017556 | | 419 | 0.97 | 0.24 | 0.05 | 0.02 | 0.86 | 0.965 | 0.01 | 2.8 | 0.2 | <0.01 | 30 | 0.62 | <0.01 | 0.07 |
| Q017557 | | 910 | 8.96 | 4.31 | <0.05 | 0.02 | 4.89 | 26.8 | 0.02 | 1.5 | 0.2 | <0.01 | 52 | 0.53 | <0.01 | 0.10 |
| Q017558 | | 36.1 | 8.28 | 0.74 | 0.05 | 0.12 | 0.28 | 0.261 | 0.09 | 6.7 | 6.6 | 0.01 | 9690 | 1.66 | <0.01 | <0.05 |
| Q017559 | | 29.4 | 4.50 | 0.61 | <0.05 | 0.13 | 0.09 | 0.307 | 0.05 | 8.9 | 1.1 | 0.01 | 333 | 1.07 | <0.01 | <0.05 |
| Q017560 | | 10.5 | 3.02 | 0.48 | <0.05 | 0.04 | 0.11 | 0.026 | 0.04 | 5.5 | 9.1 | 0.01 | 7400 | 4.62 | 0.01 | 0.09 |
| Q017561 | | 127.0 | 6.67 | 8.09 | 0.24 | 0.09 | 0.02 | 0.051 | <0.01 | 1.6 | 50.2 | 3.85 | 1040 | 0.53 | <0.01 | 0.16 |
| Q017562 | | 35.6 | 9.65 | 3.60 | 0.13 | 0.06 | 0.02 | 0.016 | 0.07 | 8.8 | 4.9 | 0.11 | 163 | 1.22 | 0.02 | 0.38 |
| Q017563 | | 18.4 | 17.30 | 0.93 | 0.20 | 0.03 | 0.06 | 0.027 | <0.01 | 1.0 | 2.7 | 0.16 | 48 | 0.61 | <0.01 | 0.17 |
| Q017564 | | 18.0 | 11.25 | 1.27 | <0.05 | 0.03 | 0.01 | 0.059 | 0.01 | 1.2 | 1.1 | 0.03 | 130 | 0.40 | <0.01 | 0.07 |
| Q017565 | | 19.8 | 1.71 | 0.42 | <0.05 | 0.04 | 0.01 | 0.055 | 0.03 | 5.3 | 0.9 | 0.02 | 237 | 1.24 | <0.01 | 0.10 |
| Q017566 | | 99.2 | 15.95 | 1.33 | 0.26 | 0.09 | 0.05 | 2.18 | 0.04 | 15.9 | 2.3 | <0.01 | 33 | 2.47 | <0.01 | 0.07 |
| Q017567 | | 454 | 15.00 | 17.60 | 0.25 | 0.10 | 0.02 | 0.044 | 0.04 | 6.2 | 50.3 | 3.15 | 1720 | 1.04 | <0.01 | 0.29 |
| Q017568 | | 22.4 | 3.00 | 2.51 | 0.05 | <0.02 | 0.02 | 0.140 | 0.01 | 5.1 | 9.9 | 0.40 | 188 | 1.30 | <0.01 | 0.11 |
| Q017569 | | 12.7 | 20.8 | 0.77 | 0.15 | 0.02 | 0.19 | 0.087 | 0.05 | 3.7 | 1.2 | 0.06 | 55 | 2.11 | <0.01 | 0.11 |
| Q017570 | | 4.9 | 20.8 | 0.57 | 0.16 | 0.02 | 0.19 | 0.090 | 0.07 | 1.8 | 0.5 | 0.01 | 26 | 2.03 | 0.01 | 0.06 |
| Q017571 | | 4.5 | 3.46 | 0.41 | <0.05 | 0.02 | 0.01 | 0.046 | 0.06 | 2.1 | 0.5 | 0.02 | 44 | 0.72 | <0.01 | 0.09 |
| Q017572 | | 21.6 | 17.65 | 0.53 | 0.21 | 0.03 | 0.04 | 0.079 | 0.04 | 1.1 | 0.4 | <0.01 | 8 | 1.35 | <0.01 | 0.08 |

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

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
**1016 - 510 W HASTINGS STREET**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 3-AUG-2015**
**Account: ROCKHA**

Project: Mount Hinton

# CERTIFICATE OF ANALYSIS WH15104673

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ni | P | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti |
| | Units | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOR | 0.2 | 10 | 0.2 | 0.1 | 0.001 | 0.01 | 0.05 | 0.1 | 0.2 | 0.2 | 0.2 | 0.01 | 0.01 | 0.2 | 0.005 |
| Q017551 | | 2.9 | 20 | 3.3 | 0.2 | <0.001 | 8.82 | 2.45 | 0.1 | 11.0 | <0.2 | 0.5 | <0.01 | 0.04 | 0.2 | <0.005 |
| Q017552 | | 178.0 | 1780 | 56.4 | 1.5 | <0.001 | 1.01 | 8.79 | 5.2 | 9.0 | 0.3 | 3.3 | <0.01 | 0.03 | 7.4 | <0.005 |
| Q017553 | | 1.8 | 130 | 2110 | 0.9 | <0.001 | 8.69 | 239 | 0.6 | 12.1 | 65.2 | 1.6 | <0.01 | 0.16 | 1.5 | <0.005 |
| Q017554 | | 6.0 | 130 | 868 | 1.6 | <0.001 | 3.20 | 8.59 | 0.3 | 1.0 | 2.6 | 1.4 | <0.01 | 0.02 | 1.1 | <0.005 |
| Q017555 | | 0.9 | 70 | 486 | 2.0 | <0.001 | 1.05 | 13.05 | 0.1 | 0.7 | 6.3 | 1.2 | <0.01 | 0.01 | 1.1 | <0.005 |
| Q017556 | | 1.1 | 40 | >10000 | 0.8 | <0.001 | 4.15 | 2700 | 0.1 | 18.0 | 56.4 | 1.4 | <0.01 | 0.43 | 0.8 | <0.005 |
| Q017557 | | 1.4 | 90 | 4470 | 0.9 | <0.001 | 0.30 | 1250 | 0.2 | 1.0 | >500 | 0.6 | <0.01 | 0.01 | 0.4 | <0.005 |
| Q017558 | | 48.5 | 680 | 6940 | 8.9 | <0.001 | 0.15 | 75.4 | 3.2 | 3.3 | 13.3 | 20.2 | <0.01 | 0.04 | 2.6 | <0.005 |
| Q017559 | | 26.4 | 440 | 202 | 2.3 | <0.001 | 0.01 | 15.25 | 1.7 | 0.8 | 27.3 | 3.6 | <0.01 | 0.01 | 2.6 | <0.005 |
| Q017560 | | 69.6 | 560 | 559 | 2.4 | <0.001 | 0.02 | 25.9 | 0.7 | 0.4 | 1.6 | 38.6 | <0.01 | 0.02 | 1.2 | <0.005 |
| Q017561 | | 97.8 | 550 | 21.9 | 0.2 | <0.001 | 0.21 | 2.02 | 6.0 | 0.5 | 4.4 | 28.5 | <0.01 | 0.01 | 0.2 | 0.292 |
| Q017562 | | 12.9 | 1920 | 51.5 | 4.0 | <0.001 | 0.11 | 1.76 | 1.8 | 6.2 | 0.6 | 8.0 | 0.01 | 0.04 | 2.9 | 0.020 |
| Q017563 | | 18.7 | 50 | 23.4 | 0.1 | <0.001 | >10.0 | 6.27 | 0.7 | 22.3 | 1.9 | 1.8 | <0.01 | 0.10 | 0.7 | 0.012 |
| Q017564 | | 2.9 | 80 | 29.7 | 0.3 | <0.001 | 4.42 | 0.88 | 0.5 | 4.3 | 0.3 | 1.1 | <0.01 | 0.04 | 0.7 | <0.005 |
| Q017565 | | 36.7 | 590 | 12.2 | 3.3 | <0.001 | 0.07 | 2.60 | 1.0 | 0.4 | 4.5 | 8.3 | <0.01 | 0.01 | 4.1 | <0.005 |
| Q017566 | | 10.3 | 1060 | 188.5 | 2.6 | <0.001 | 4.28 | 185.0 | 4.8 | 77.9 | 0.9 | 5.5 | <0.01 | 2.56 | 5.2 | <0.005 |
| Q017567 | | 31.1 | 1760 | 5.5 | 4.1 | 0.001 | 0.05 | 0.77 | 11.8 | 2.0 | 0.5 | 23.2 | 0.02 | 0.03 | 0.6 | 0.413 |
| Q017568 | | 17.9 | 150 | 62.1 | 1.6 | <0.001 | 0.14 | 6.99 | 2.4 | 3.3 | 0.3 | 1.6 | <0.01 | 0.10 | 0.7 | 0.007 |
| Q017569 | | 8.1 | 310 | 29.3 | 3.3 | <0.001 | 6.92 | 118.5 | 1.0 | 34.2 | 0.5 | 2.7 | <0.01 | 1.25 | 3.4 | 0.007 |
| Q017570 | | 8.5 | 320 | 60.4 | 4.3 | 0.001 | 7.25 | 118.0 | 1.3 | 34.7 | 0.3 | 4.2 | <0.01 | 1.16 | 2.4 | <0.005 |
| Q017571 | | 4.7 | 140 | 11.3 | 5.5 | <0.001 | 0.76 | 12.60 | 0.7 | 5.0 | 0.7 | 2.9 | <0.01 | 0.09 | 1.7 | <0.005 |
| Q017572 | | 1.9 | 210 | 297 | 1.9 | <0.001 | 1.95 | 159.0 | 0.4 | 64.3 | <0.2 | 3.2 | <0.01 | 2.99 | 0.8 | <0.005 |

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

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**Finalized Date: 3-AUG-2015**
**Account: ROCKHA**

Project: Mount Hinton

# CERTIFICATE OF ANALYSIS WH15104673

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | Ag-OG46 | Pb-OG46 | Ag-GRA21 | Au-AA24 | Au-GRA22 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Tl | U | V | W | Y | Zn | Zr | Ag | Pb | Ag | Au | Au |
| | Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOR | 0.02 | 0.05 | 1 | 0.05 | 0.05 | 2 | 0.5 | 1 | 0.001 | 5 | 0.005 | 0.05 |
| Q017551 | | 0.04 | <0.05 | 1 | <0.05 | 0.26 | <2 | 1.5 | | | | 0.014 | |
| Q017552 | | 0.02 | 6.17 | 5 | 0.16 | 36.6 | 1000 | 1.0 | | | | 0.417 | |
| Q017553 | | 0.07 | 0.06 | 2 | 0.16 | 0.18 | 2590 | 0.5 | 188 | | | 4.41 | |
| Q017554 | | 0.03 | 0.26 | 1 | 0.07 | 1.80 | 629 | 1.0 | | | | 0.208 | |
| Q017555 | | 0.05 | 0.06 | 1 | 0.05 | 0.31 | 179 | 0.9 | | | | 0.246 | |
| Q017556 | | 0.65 | 0.13 | <1 | 0.05 | 0.25 | 465 | 0.7 | >1500 | >20.0 | 3930 | 0.387 | |
| Q017557 | | 0.06 | 0.05 | 1 | 0.11 | 0.44 | 2370 | <0.5 | >1500 | | 1910 | 1.190 | |
| Q017558 | | 0.26 | 3.67 | 7 | 0.30 | 14.15 | 4110 | 6.0 | 189 | | | 0.015 | |
| Q017559 | | 0.09 | 2.40 | 3 | <0.05 | 7.39 | 1340 | 5.5 | | | | 0.010 | |
| Q017560 | | 3.42 | 2.24 | 1 | 3.99 | 4.19 | 827 | 1.6 | | | | 0.055 | |
| Q017561 | | <0.02 | 0.05 | 134 | 0.10 | 4.39 | 107 | 1.3 | | | | <0.005 | |
| Q017562 | | 0.07 | 0.36 | 71 | 0.14 | 1.37 | 58 | 3.3 | | | | <0.005 | |
| Q017563 | | 0.19 | 0.15 | 7 | <0.05 | 0.76 | 10 | 0.9 | | | | 0.042 | |
| Q017564 | | 0.03 | 0.05 | 4 | <0.05 | 0.68 | 4 | 1.2 | | | | <0.005 | |
| Q017565 | | 0.15 | 1.00 | 2 | 0.06 | 2.80 | 99 | 2.0 | | | | 0.011 | |
| Q017566 | | 2.08 | 0.30 | 3 | 0.15 | 0.81 | 170 | 6.2 | | | | 1.605 | |
| Q017567 | | 0.06 | 0.11 | 341 | 0.05 | 14.85 | 159 | 1.9 | | | | 0.011 | |
| Q017568 | | 0.13 | 0.29 | 32 | 0.05 | 3.53 | 104 | 0.7 | | | | 0.071 | |
| Q017569 | | 0.09 | 0.28 | 9 | 0.15 | 1.45 | 19 | 0.7 | | | | >10.0 | 23.9 |
| Q017570 | | 0.13 | 0.40 | 4 | 0.19 | 1.37 | 21 | 0.8 | | | | >10.0 | 18.00 |
| Q017571 | | 0.10 | 0.31 | 4 | 0.14 | 2.47 | 33 | 0.7 | | | | 1.970 | |
| Q017572 | | 0.06 | 0.09 | 3 | 0.11 | 0.14 | 5 | 1.2 | | | | 2.37 | |

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

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**VANCOUVER BC V6B 1L8**

Project: Mount Hinton


**Finalized Date: 3-AUG-2015**
**Account: ROCKHA**

# CERTIFICATE OF ANALYSIS WH15104673

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

Applies to Method: Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).
ME-MS41

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | PUL-31 |
| PUL-QC | SPL-21 | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | | | |
|---|---|---|---|
| Ag-GRA21 | Ag-OG46 | Au-AA24 | Au-GRA22 |
| ME-MS41 | ME-OG46 | Pb-OG46 | |

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**1016 - 510 W HASTINGS STREET**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 30-JUL-2015**
**Account: ROCKHA**

# CERTIFICATE WH15104681

Project: Mount Hinton

This report is for 273 Soil samples submitted to our lab in Whitehorse, YT, Canada on 21-JUL-2015.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| MATT DUMALA | JOAN MARIACHER | JARED TARSWELL |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-22 | Sample login - Rcd w/o BarCode |
| SCR-41 | Screen to -180um and save both |

## ANALYTICAL PROCEDURES

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

To: **ROCKHAVEN RESOURCES LTD.**
**ATTN: JOAN MARIACHER**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
**1016 - 510 W HASTINGS STREET**
**VANCOUVER BC V6B 1L8**

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

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

**Signature:**

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 30-JUL-2015**
**Account: ROCKHA**

Project: Mount Hinton

# CERTIFICATE OF ANALYSIS WH15104681

| Sample Description | Method | WEI-21 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | B | Ba | Be | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm |
| | LOR | 0.02 | 0.2 | 0.01 | 2 | 10 | 10 | 0.5 | 2 | 0.01 | 0.5 | 1 | 1 | 1 | 0.01 | 10 |
| ZZ49951 | | 0.41 | <0.2 | 0.37 | 11 | <10 | 40 | <0.5 | <2 | 0.09 | <0.5 | 5 | 8 | 8 | 1.93 | <10 |
| ZZ49952 | | 0.44 | <0.2 | 1.26 | 23 | <10 | 80 | <0.5 | <2 | 0.11 | <0.5 | 10 | 22 | 18 | 2.18 | <10 |
| ZZ49953 | | 0.48 | 0.2 | 0.96 | 38 | <10 | 70 | <0.5 | <2 | 0.09 | <0.5 | 7 | 19 | 17 | 2.02 | <10 |
| ZZ49954 | | 0.46 | 0.3 | 0.59 | 112 | <10 | 40 | <0.5 | <2 | 0.13 | 0.7 | 7 | 13 | 18 | 1.86 | <10 |
| ZZ49955 | | 0.35 | 0.4 | 1.37 | 38 | <10 | 90 | <0.5 | <2 | 0.08 | <0.5 | 8 | 24 | 25 | 2.34 | <10 |
| ZZ49956 | | 0.44 | 0.4 | 0.97 | 57 | <10 | 80 | <0.5 | <2 | 0.18 | 0.5 | 10 | 20 | 28 | 2.21 | <10 |
| ZZ49957 | | 0.45 | 0.3 | 0.85 | 83 | <10 | 70 | <0.5 | <2 | 0.13 | <0.5 | 9 | 17 | 22 | 1.96 | <10 |
| ZZ49958 | | 0.42 | 0.3 | 1.00 | 68 | <10 | 70 | <0.5 | <2 | 0.14 | <0.5 | 8 | 19 | 24 | 2.10 | <10 |
| ZZ49959 | | 0.39 | 2.9 | 1.02 | 107 | <10 | 60 | <0.5 | <2 | 0.07 | <0.5 | 7 | 19 | 20 | 2.19 | <10 |
| ZZ49960 | | 0.36 | 0.8 | 1.25 | 95 | <10 | 90 | <0.5 | 2 | 0.12 | 0.5 | 10 | 22 | 32 | 2.58 | <10 |
| ZZ49961 | | 0.43 | 0.6 | 1.18 | 114 | <10 | 80 | <0.5 | <2 | 0.12 | <0.5 | 8 | 20 | 32 | 2.38 | <10 |
| ZZ49962 | | 0.37 | 0.3 | 1.25 | 96 | <10 | 90 | <0.5 | 2 | 0.10 | 0.5 | 11 | 22 | 31 | 2.52 | <10 |
| ZZ49963 | | 0.34 | 0.5 | 1.30 | 117 | <10 | 90 | <0.5 | 3 | 0.07 | <0.5 | 10 | 22 | 28 | 2.56 | <10 |
| ZZ49964 | | 0.31 | 0.5 | 1.13 | 96 | <10 | 60 | <0.5 | 2 | 0.06 | <0.5 | 6 | 21 | 22 | 2.35 | <10 |
| ZZ49965 | | 0.38 | 0.3 | 1.00 | 95 | <10 | 50 | <0.5 | <2 | 0.08 | <0.5 | 8 | 18 | 26 | 2.23 | <10 |
| ZZ49966 | | 0.35 | 0.3 | 1.22 | 63 | <10 | 80 | <0.5 | <2 | 0.08 | <0.5 | 7 | 20 | 23 | 2.24 | <10 |
| ZZ49967 | | 0.32 | 0.3 | 1.20 | 47 | <10 | 100 | <0.5 | <2 | 0.11 | <0.5 | 8 | 22 | 26 | 2.30 | <10 |
| ZZ49968 | | 0.40 | 0.5 | 0.63 | 95 | <10 | 50 | <0.5 | <2 | 0.06 | <0.5 | 6 | 14 | 24 | 2.04 | <10 |
| ZZ49969 | | 0.48 | 0.7 | 0.76 | 99 | <10 | 100 | <0.5 | 2 | 0.08 | 0.6 | 8 | 15 | 27 | 2.27 | <10 |
| ZZ49970 | | 0.50 | 0.6 | 0.91 | 98 | <10 | 70 | <0.5 | 2 | 0.12 | 0.5 | 9 | 18 | 29 | 2.19 | <10 |
| ZZ49971 | | 0.37 | 0.4 | 0.98 | 54 | <10 | 60 | <0.5 | <2 | 0.12 | 0.5 | 8 | 20 | 25 | 2.13 | <10 |
| ZZ49972 | | 0.37 | 0.3 | 1.02 | 60 | <10 | 50 | <0.5 | 2 | 0.07 | <0.5 | 7 | 21 | 23 | 2.22 | <10 |
| ZZ49973 | | 0.38 | 0.5 | 1.00 | 57 | <10 | 60 | <0.5 | 2 | 0.09 | 0.5 | 7 | 18 | 25 | 1.99 | <10 |
| ZZ49974 | | 0.38 | 0.8 | 0.95 | 95 | <10 | 60 | <0.5 | <2 | 0.10 | 0.5 | 8 | 19 | 30 | 2.17 | <10 |
| ZZ49975 | | 0.38 | 0.6 | 0.89 | 90 | <10 | 50 | <0.5 | <2 | 0.12 | 0.5 | 7 | 19 | 28 | 2.15 | <10 |
| ZZ49976 | | 0.39 | 0.6 | 0.81 | 76 | <10 | 40 | <0.5 | 2 | 0.12 | <0.5 | 7 | 16 | 26 | 1.80 | <10 |
| ZZ49977 | | 0.39 | 1.4 | 0.97 | 97 | <10 | 60 | <0.5 | <2 | 0.13 | 0.8 | 8 | 18 | 32 | 2.28 | <10 |
| ZZ49978 | | 0.34 | 3.2 | 0.77 | 112 | <10 | 50 | <0.5 | <2 | 0.10 | <0.5 | 6 | 18 | 34 | 2.48 | <10 |
| ZZ49979 | | 0.30 | 1.4 | 0.78 | 62 | <10 | 40 | <0.5 | 2 | 0.09 | <0.5 | 5 | 20 | 41 | 3.11 | <10 |
| ZZ49980 | | 0.44 | 0.8 | 0.89 | 49 | <10 | 50 | <0.5 | 3 | 0.11 | 0.9 | 10 | 17 | 30 | 2.22 | <10 |
| ZZ49981 | | 0.37 | 1.9 | 0.76 | 93 | <10 | 40 | <0.5 | <2 | 0.17 | 1.1 | 9 | 20 | 45 | 2.80 | <10 |
| ZZ49982 | | 0.52 | 0.7 | 0.91 | 42 | <10 | 60 | <0.5 | <2 | 0.13 | <0.5 | 11 | 22 | 55 | 3.30 | <10 |
| ZZ49983 | | 0.41 | 5.2 | 0.98 | 181 | <10 | 440 | <0.5 | <2 | 0.10 | 0.5 | 7 | 21 | 69 | 3.56 | <10 |
| ZZ49984 | | 0.65 | 1.0 | 0.73 | 99 | <10 | 300 | <0.5 | <2 | 0.05 | 0.7 | 9 | 16 | 73 | 2.95 | <10 |
| ZZ49985 | | 0.48 | 3.0 | 0.97 | 95 | <10 | 50 | <0.5 | <2 | 0.06 | <0.5 | 6 | 22 | 34 | 3.43 | <10 |
| ZZ49986 | | 0.34 | 1.2 | 1.04 | 48 | <10 | 50 | <0.5 | 2 | 0.06 | <0.5 | 5 | 23 | 28 | 3.16 | <10 |
| ZZ49987 | | 0.49 | 0.9 | 0.85 | 49 | <10 | 70 | <0.5 | <2 | 0.05 | <0.5 | 7 | 19 | 31 | 3.16 | <10 |
| ZZ49988 | | 0.50 | 0.9 | 0.96 | 55 | <10 | 50 | <0.5 | <2 | 0.05 | <0.5 | 7 | 21 | 39 | 3.32 | <10 |
| ZZ49989 | | 0.48 | 1.1 | 0.85 | 65 | <10 | 190 | <0.5 | <2 | 0.06 | <0.5 | 18 | 18 | 91 | 3.30 | <10 |
| ZZ49990 | | 0.44 | 3.9 | 0.96 | 210 | <10 | 220 | <0.5 | 2 | 0.28 | 0.9 | 9 | 21 | 60 | 3.67 | <10 |

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

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**Finalized Date: 30-JUL-2015**
**Account: ROCKHA**

Project: Mount Hinton

# CERTIFICATE OF ANALYSIS WH15104681

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Hg | K | La | Mg | Mn | Mo | Na | Ni | P | Pb | S | Sb | Sc | Sr | Th |
| | Units | ppm | % | ppm | % | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOR | 1 | 0.01 | 10 | 0.01 | 5 | 1 | 0.01 | 1 | 10 | 2 | 0.01 | 2 | 1 | 1 | 20 |
| ZZ49951 | | <1 | 0.02 | <10 | 0.07 | 654 | <1 | <0.01 | 10 | 960 | 4 | 0.03 | 2 | 1 | 7 | <20 |
| ZZ49952 | | 1 | 0.03 | 10 | 0.32 | 344 | <1 | <0.01 | 27 | 560 | 7 | 0.03 | <2 | 2 | 11 | <20 |
| ZZ49953 | | 1 | 0.03 | 10 | 0.27 | 295 | <1 | <0.01 | 23 | 460 | 7 | 0.03 | 3 | 2 | 10 | <20 |
| ZZ49954 | | <1 | 0.02 | 10 | 0.14 | 216 | 1 | <0.01 | 23 | 740 | 9 | 0.02 | 6 | 2 | 13 | <20 |
| ZZ49955 | | <1 | 0.04 | 10 | 0.29 | 247 | 1 | 0.01 | 23 | 840 | 10 | 0.06 | 3 | 1 | 12 | <20 |
| ZZ49956 | | <1 | 0.04 | 20 | 0.26 | 601 | <1 | <0.01 | 29 | 1060 | 10 | 0.02 | <2 | 2 | 16 | <20 |
| ZZ49957 | | 1 | 0.03 | 10 | 0.20 | 303 | <1 | <0.01 | 23 | 840 | 11 | 0.02 | 2 | 2 | 14 | <20 |
| ZZ49958 | | <1 | 0.03 | 10 | 0.23 | 315 | <1 | <0.01 | 24 | 910 | 12 | 0.03 | <2 | 2 | 14 | <20 |
| ZZ49959 | | <1 | 0.03 | 10 | 0.22 | 199 | <1 | <0.01 | 22 | 740 | 43 | 0.04 | 2 | 1 | 10 | <20 |
| ZZ49960 | | <1 | 0.04 | 10 | 0.28 | 342 | 1 | 0.01 | 30 | 1000 | 33 | 0.03 | <2 | 2 | 14 | <20 |
| ZZ49961 | | <1 | 0.03 | 10 | 0.27 | 250 | 1 | 0.01 | 28 | 810 | 23 | 0.03 | 4 | 2 | 12 | <20 |
| ZZ49962 | | <1 | 0.04 | 10 | 0.29 | 430 | 1 | 0.01 | 29 | 750 | 15 | 0.03 | 2 | 1 | 11 | <20 |
| ZZ49963 | | <1 | 0.03 | 10 | 0.28 | 409 | 1 | 0.01 | 25 | 700 | 18 | 0.04 | 2 | 1 | 10 | <20 |
| ZZ49964 | | <1 | 0.03 | 10 | 0.23 | 248 | 1 | 0.01 | 17 | 590 | 17 | 0.05 | <2 | 1 | 9 | <20 |
| ZZ49965 | | <1 | 0.03 | 10 | 0.23 | 285 | 1 | 0.01 | 22 | 680 | 13 | 0.03 | <2 | 1 | 9 | <20 |
| ZZ49966 | | <1 | 0.03 | 10 | 0.27 | 295 | 1 | 0.01 | 21 | 720 | 16 | 0.03 | <2 | 1 | 9 | <20 |
| ZZ49967 | | <1 | 0.03 | 10 | 0.29 | 370 | 1 | 0.01 | 25 | 730 | 13 | 0.02 | <2 | 2 | 11 | <20 |
| ZZ49968 | | <1 | 0.02 | 10 | 0.15 | 194 | 2 | 0.01 | 21 | 660 | 26 | 0.02 | 2 | 1 | 11 | <20 |
| ZZ49969 | | 1 | 0.03 | 10 | 0.18 | 299 | 2 | 0.01 | 24 | 720 | 29 | 0.02 | 2 | 1 | 13 | <20 |
| ZZ49970 | | <1 | 0.03 | 10 | 0.23 | 469 | 1 | 0.01 | 25 | 840 | 27 | 0.02 | 2 | 2 | 14 | <20 |
| ZZ49971 | | <1 | 0.03 | 10 | 0.26 | 319 | 1 | 0.01 | 23 | 750 | 16 | 0.02 | 2 | 2 | 11 | <20 |
| ZZ49972 | | <1 | 0.03 | 10 | 0.24 | 264 | 1 | 0.01 | 19 | 680 | 17 | 0.03 | <2 | 1 | 9 | <20 |
| ZZ49973 | | 1 | 0.03 | 10 | 0.22 | 297 | <1 | 0.01 | 22 | 690 | 21 | 0.02 | <2 | 2 | 10 | <20 |
| ZZ49974 | | <1 | 0.03 | 10 | 0.23 | 310 | 1 | 0.01 | 25 | 830 | 36 | 0.02 | 5 | 2 | 13 | <20 |
| ZZ49975 | | <1 | 0.03 | 10 | 0.23 | 266 | 1 | 0.01 | 22 | 900 | 26 | 0.02 | 3 | 2 | 14 | <20 |
| ZZ49976 | | <1 | 0.03 | 10 | 0.19 | 291 | 1 | 0.01 | 20 | 930 | 22 | 0.02 | 4 | 2 | 12 | <20 |
| ZZ49977 | | <1 | 0.03 | 10 | 0.23 | 346 | 1 | 0.01 | 27 | 990 | 39 | 0.02 | 3 | 2 | 19 | <20 |
| ZZ49978 | | <1 | 0.04 | 10 | 0.17 | 225 | 5 | 0.02 | 17 | 1150 | 120 | 0.05 | 7 | 2 | 21 | <20 |
| ZZ49979 | | <1 | 0.04 | 10 | 0.18 | 118 | 13 | 0.02 | 21 | 1700 | 27 | 0.10 | 6 | 1 | 25 | <20 |
| ZZ49980 | | <1 | 0.04 | 10 | 0.13 | 256 | 1 | 0.01 | 31 | 1210 | 45 | 0.04 | 3 | 1 | 13 | <20 |
| ZZ49981 | | <1 | 0.03 | 10 | 0.19 | 214 | 1 | 0.01 | 30 | 980 | 90 | 0.05 | 6 | 2 | 26 | <20 |
| ZZ49982 | | <1 | 0.02 | 20 | 0.24 | 198 | 2 | 0.01 | 35 | 980 | 40 | 0.02 | 4 | 2 | 15 | <20 |
| ZZ49983 | | 1 | 0.03 | 10 | 0.31 | 244 | 9 | 0.01 | 30 | 930 | 267 | 0.04 | 7 | 1 | 48 | <20 |
| ZZ49984 | | <1 | 0.02 | 10 | 0.27 | 597 | 7 | 0.01 | 37 | 720 | 60 | 0.05 | 3 | 1 | 43 | <20 |
| ZZ49985 | | <1 | 0.04 | 20 | 0.17 | 224 | 2 | 0.02 | 20 | 1500 | 181 | 0.08 | 5 | 2 | 14 | <20 |
| ZZ49986 | | 1 | 0.03 | 10 | 0.17 | 164 | 2 | 0.02 | 19 | 1530 | 59 | 0.07 | 2 | 1 | 12 | <20 |
| ZZ49987 | | <1 | 0.02 | 20 | 0.16 | 240 | 2 | 0.02 | 24 | 1090 | 37 | 0.05 | 4 | 1 | 11 | <20 |
| ZZ49988 | | <1 | 0.02 | 10 | 0.17 | 203 | 2 | 0.01 | 26 | 1540 | 59 | 0.05 | 2 | 1 | 10 | <20 |
| ZZ49989 | | <1 | 0.03 | 20 | 0.21 | 401 | 4 | 0.01 | 52 | 980 | 37 | 0.06 | 5 | 2 | 37 | <20 |
| ZZ49990 | | <1 | 0.03 | 10 | 0.23 | 237 | 3 | 0.01 | 57 | 1770 | 78 | 0.08 | 7 | 1 | 50 | <20 |

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

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To: **ROCKHAVEN RESOURCES LTD.**
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**1016 - 510 W HASTINGS STREET**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 30-JUL-2015**
**Account: ROCKHA**

Project: Mount Hinton

# CERTIFICATE OF ANALYSIS WH15104681

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Au-ICP21 |
|---|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn | Au |
| | Units | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 | 0.001 |
| ZZ49951 | | 0.01 | <10 | <10 | 12 | <10 | 44 | 0.002 |
| ZZ49952 | | 0.04 | <10 | <10 | 37 | <10 | 61 | 0.012 |
| ZZ49953 | | 0.04 | <10 | <10 | 35 | <10 | 64 | 0.044 |
| ZZ49954 | | 0.02 | <10 | <10 | 20 | <10 | 103 | 0.027 |
| ZZ49955 | | 0.03 | <10 | <10 | 41 | <10 | 64 | 0.009 |
| ZZ49956 | | 0.04 | <10 | <10 | 37 | <10 | 93 | 0.020 |
| ZZ49957 | | 0.03 | <10 | <10 | 28 | <10 | 76 | 0.060 |
| ZZ49958 | | 0.03 | <10 | <10 | 31 | <10 | 77 | 0.014 |
| ZZ49959 | | 0.02 | <10 | <10 | 32 | <10 | 78 | 0.099 |
| ZZ49960 | | 0.03 | <10 | <10 | 36 | <10 | 96 | 0.022 |
| ZZ49961 | | 0.03 | <10 | <10 | 34 | <10 | 87 | 0.032 |
| ZZ49962 | | 0.03 | <10 | <10 | 39 | <10 | 88 | 0.043 |
| ZZ49963 | | 0.03 | <10 | <10 | 39 | <10 | 81 | 0.013 |
| ZZ49964 | | 0.03 | <10 | <10 | 44 | <10 | 60 | 0.037 |
| ZZ49965 | | 0.03 | <10 | <10 | 35 | <10 | 70 | 0.045 |
| ZZ49966 | | 0.03 | <10 | <10 | 36 | <10 | 74 | 0.041 |
| ZZ49967 | | 0.03 | <10 | <10 | 39 | <10 | 70 | 0.035 |
| ZZ49968 | | 0.02 | <10 | <10 | 20 | <10 | 77 | 0.022 |
| ZZ49969 | | 0.02 | <10 | <10 | 22 | <10 | 85 | 0.012 |
| ZZ49970 | | 0.03 | <10 | <10 | 31 | <10 | 95 | 0.048 |
| ZZ49971 | | 0.03 | <10 | <10 | 35 | <10 | 80 | 0.027 |
| ZZ49972 | | 0.03 | <10 | <10 | 37 | <10 | 76 | 0.082 |
| ZZ49973 | | 0.03 | <10 | <10 | 32 | <10 | 83 | 0.023 |
| ZZ49974 | | 0.02 | <10 | <10 | 30 | <10 | 99 | 0.070 |
| ZZ49975 | | 0.03 | <10 | <10 | 32 | <10 | 82 | 0.038 |
| ZZ49976 | | 0.02 | <10 | <10 | 26 | <10 | 78 | 0.012 |
| ZZ49977 | | 0.03 | <10 | <10 | 31 | <10 | 140 | 0.030 |
| ZZ49978 | | 0.02 | <10 | <10 | 28 | <10 | 95 | 0.068 |
| ZZ49979 | | 0.02 | <10 | <10 | 29 | <10 | 87 | 0.015 |
| ZZ49980 | | 0.01 | <10 | <10 | 21 | <10 | 110 | 0.017 |
| ZZ49981 | | <0.01 | <10 | <10 | 19 | <10 | 120 | 0.017 |
| ZZ49982 | | <0.01 | <10 | <10 | 20 | <10 | 99 | 0.015 |
| ZZ49983 | | <0.01 | <10 | <10 | 20 | <10 | 116 | 0.037 |
| ZZ49984 | | <0.01 | <10 | <10 | 14 | <10 | 132 | 0.031 |
| ZZ49985 | | 0.01 | <10 | <10 | 28 | <10 | 91 | 0.058 |
| ZZ49986 | | 0.01 | <10 | <10 | 32 | <10 | 75 | 0.015 |
| ZZ49987 | | 0.01 | <10 | <10 | 23 | <10 | 84 | 0.023 |
| ZZ49988 | | 0.01 | <10 | <10 | 24 | <10 | 92 | 0.022 |
| ZZ49989 | | 0.01 | <10 | <10 | 18 | <10 | 128 | 0.018 |
| ZZ49990 | | 0.01 | <10 | <10 | 21 | <10 | 171 | 0.079 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 30-JUL-2015**
**Account: ROCKHA**

Project: Mount Hinton

# CERTIFICATE OF ANALYSIS WH15104681

| Sample Description | Method | WEI-21 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | B | Ba | Be | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm |
| | LOR | 0.02 | 0.2 | 0.01 | 2 | 10 | 10 | 0.5 | 2 | 0.01 | 0.5 | 1 | 1 | 1 | 0.01 | 10 |
| ZZ49991 | | 0.42 | 1.1 | 0.84 | 146 | <10 | 90 | <0.5 | <2 | 0.05 | <0.5 | 10 | 21 | 64 | 2.88 | <10 |
| ZZ49992 | | 0.46 | 0.8 | 1.16 | 277 | <10 | 100 | <0.5 | 4 | 0.22 | <0.5 | 10 | 22 | 47 | 3.29 | <10 |
| ZZ49993 | | 0.35 | 2.6 | 1.29 | 464 | <10 | 90 | <0.5 | 2 | 0.08 | <0.5 | 14 | 25 | 48 | 3.41 | <10 |
| ZZ49994 | | 0.40 | 2.0 | 1.22 | 51 | <10 | 100 | <0.5 | 2 | 0.22 | 1.0 | 11 | 24 | 38 | 3.20 | <10 |
| ZZ49995 | | 0.50 | 0.7 | 0.99 | 33 | <10 | 60 | <0.5 | 2 | 0.06 | 0.5 | 12 | 21 | 34 | 2.55 | <10 |
| ZZ49996 | | 0.41 | 1.1 | 0.88 | 56 | <10 | 50 | <0.5 | <2 | 0.22 | 0.5 | 13 | 22 | 56 | 3.06 | <10 |
| ZZ49997 | | 0.42 | 0.8 | 0.66 | 41 | <10 | 40 | <0.5 | <2 | 0.08 | <0.5 | 6 | 15 | 29 | 1.70 | <10 |
| ZZ49998 | | 0.35 | 0.6 | 0.96 | 88 | <10 | 70 | <0.5 | <2 | 0.11 | 0.8 | 10 | 19 | 34 | 2.71 | <10 |
| ZZ49999 | | 0.47 | 1.3 | 0.82 | 101 | <10 | 50 | <0.5 | <2 | 0.08 | 0.9 | 9 | 19 | 28 | 2.28 | <10 |
| ZZ50000 | | 0.36 | 43.9 | 0.82 | 184 | <10 | 80 | <0.5 | <2 | 0.11 | 0.9 | 4 | 16 | 29 | 2.08 | <10 |
| ZZ49503 | | 0.50 | 1.7 | 0.88 | 283 | <10 | 50 | <0.5 | <2 | 0.06 | 0.8 | 7 | 18 | 21 | 2.48 | <10 |
| ZZ49504 | | 0.44 | 0.8 | 0.91 | 45 | <10 | 70 | <0.5 | <2 | 0.19 | <0.5 | 8 | 20 | 30 | 2.10 | <10 |
| ZZ49505 | | 0.42 | 1.3 | 0.94 | 62 | <10 | 70 | <0.5 | <2 | 0.16 | 0.7 | 13 | 20 | 33 | 2.62 | <10 |
| ZZ49506 | | 0.47 | 0.2 | 0.49 | 35 | <10 | 20 | <0.5 | <2 | 0.09 | <0.5 | 8 | 11 | 19 | 1.32 | <10 |
| ZZ49507 | | 0.38 | 0.8 | 1.44 | 119 | <10 | 120 | <0.5 | <2 | 0.22 | 0.7 | 34 | 45 | 98 | 4.43 | <10 |
| ZZ49508 | | 0.43 | 0.7 | 1.13 | 77 | <10 | 100 | <0.5 | <2 | 0.15 | 0.7 | 12 | 26 | 46 | 3.06 | <10 |
| ZZ49509 | | 0.33 | 0.3 | 1.03 | 117 | <10 | 80 | <0.5 | <2 | 0.11 | <0.5 | 6 | 20 | 28 | 2.55 | <10 |
| ZZ49510 | | 0.44 | 0.4 | 1.11 | 167 | <10 | 100 | <0.5 | <2 | 0.14 | 0.5 | 10 | 21 | 34 | 2.70 | <10 |
| ZZ49511 | | 0.54 | 0.3 | 0.98 | 70 | <10 | 80 | <0.5 | <2 | 0.21 | 0.5 | 9 | 20 | 33 | 2.37 | <10 |
| ZZ49512 | | 0.35 | 0.2 | 0.93 | 24 | <10 | 40 | <0.5 | <2 | 0.08 | <0.5 | 4 | 23 | 20 | 2.30 | <10 |
| ZZ49513 | | 0.43 | 0.9 | 1.12 | 73 | <10 | 80 | <0.5 | <2 | 0.08 | 0.5 | 8 | 20 | 23 | 2.43 | <10 |
| ZZ49514 | | 0.38 | 0.2 | 1.18 | 90 | <10 | 70 | <0.5 | <2 | 0.08 | <0.5 | 6 | 21 | 27 | 2.28 | <10 |
| ZZ49515 | | 0.46 | 0.4 | 1.02 | 115 | <10 | 90 | <0.5 | <2 | 0.13 | 0.5 | 10 | 19 | 40 | 2.52 | <10 |
| ZZ49516 | | 0.38 | 0.4 | 0.95 | 106 | <10 | 90 | <0.5 | <2 | 0.11 | 0.5 | 10 | 17 | 39 | 2.42 | <10 |
| ZZ49517 | | 0.38 | 0.6 | 0.75 | 70 | <10 | 60 | <0.5 | <2 | 0.13 | 0.5 | 6 | 16 | 25 | 1.91 | <10 |
| ZZ49518 | | 0.45 | 0.3 | 1.02 | 41 | <10 | 60 | <0.5 | <2 | 0.08 | <0.5 | 5 | 19 | 22 | 2.01 | <10 |
| ZZ49519 | | 0.44 | 0.6 | 0.98 | 59 | <10 | 70 | <0.5 | <2 | 0.07 | <0.5 | 10 | 20 | 32 | 2.47 | <10 |
| ZZ49520 | | 0.41 | 0.3 | 1.06 | 64 | <10 | 110 | <0.5 | <2 | 0.17 | <0.5 | 10 | 23 | 33 | 2.86 | <10 |
| ZZ49521 | | 0.40 | 0.2 | 1.63 | 38 | <10 | 130 | 0.5 | <2 | 0.19 | 0.5 | 12 | 28 | 36 | 2.77 | <10 |
| ZZ49522 | | 0.40 | 0.5 | 1.16 | 38 | <10 | 60 | <0.5 | <2 | 0.16 | <0.5 | 10 | 27 | 57 | 2.97 | <10 |
| ZZ49523 | | 0.32 | 0.4 | 1.88 | 33 | <10 | 180 | <0.5 | <2 | 0.16 | <0.5 | 16 | 39 | 79 | 3.31 | <10 |
| ZZ49524 | | 0.52 | 0.4 | 1.28 | 57 | <10 | 140 | <0.5 | <2 | 0.18 | <0.5 | 11 | 27 | 38 | 2.91 | <10 |
| ZZ49525 | | 0.41 | 0.2 | 1.13 | 44 | <10 | 90 | <0.5 | <2 | 0.14 | <0.5 | 9 | 23 | 28 | 2.44 | <10 |
| ZZ49526 | | 0.47 | 0.4 | 0.96 | 73 | <10 | 60 | <0.5 | <2 | 0.12 | <0.5 | 5 | 19 | 32 | 2.19 | <10 |
| ZZ49527 | | 0.34 | 0.3 | 1.98 | 92 | <10 | 140 | <0.5 | <2 | 0.09 | <0.5 | 14 | 26 | 77 | 4.05 | 10 |
| ZZ49528 | | 0.38 | 0.2 | 1.85 | 94 | <10 | 120 | <0.5 | <2 | 0.10 | <0.5 | 12 | 23 | 79 | 4.05 | 10 |
| ZZ49529 | | 0.32 | 0.3 | 1.92 | 88 | <10 | 230 | <0.5 | <2 | 0.29 | <0.5 | 18 | 25 | 100 | 4.25 | 10 |
| ZZ49530 | | 0.28 | 0.8 | 1.66 | 100 | <10 | 180 | <0.5 | <2 | 0.12 | 0.5 | 13 | 24 | 73 | 3.73 | <10 |
| ZZ49531 | | 0.35 | 0.4 | 1.63 | 64 | <10 | 110 | <0.5 | <2 | 0.08 | <0.5 | 9 | 24 | 52 | 3.21 | 10 |
| ZZ49532 | | 0.40 | 0.4 | 1.12 | 131 | <10 | 140 | <0.5 | <2 | 0.27 | 0.5 | 12 | 18 | 105 | 3.24 | <10 |

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

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**Finalized Date: 30-JUL-2015**
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# CERTIFICATE OF ANALYSIS WH15104681

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Hg | K | La | Mg | Mn | Mo | Na | Ni | P | Pb | S | Sb | Sc | Sr | Th |
| | Units | ppm | % | ppm | % | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOR | 1 | 0.01 | 10 | 0.01 | 5 | 1 | 0.01 | 1 | 10 | 2 | 0.01 | 2 | 1 | 1 | 20 |
| ZZ49991 | | 1 | 0.02 | 10 | 0.24 | 633 | 3 | 0.01 | 32 | 940 | 65 | 0.05 | 2 | 1 | 23 | <20 |
| ZZ49992 | | 1 | 0.03 | 10 | 0.26 | 294 | 1 | 0.01 | 34 | 1190 | 58 | 0.05 | 2 | 2 | 13 | <20 |
| ZZ49993 | | <1 | 0.03 | 10 | 0.28 | 399 | 2 | 0.01 | 33 | 950 | 254 | 0.06 | 6 | 1 | 11 | <20 |
| ZZ49994 | | 1 | 0.03 | 10 | 0.31 | 387 | 1 | 0.01 | 30 | 1050 | 188 | 0.06 | 3 | 1 | 14 | <20 |
| ZZ49995 | | <1 | 0.03 | 10 | 0.24 | 299 | 1 | 0.01 | 30 | 940 | 40 | 0.03 | 3 | 1 | 10 | <20 |
| ZZ49996 | | <1 | 0.03 | 20 | 0.25 | 329 | 2 | 0.01 | 39 | 900 | 66 | 0.04 | 3 | 2 | 19 | <20 |
| ZZ49997 | | <1 | 0.02 | 10 | 0.10 | 113 | 1 | 0.01 | 28 | 690 | 21 | 0.03 | <2 | 1 | 10 | <20 |
| ZZ49998 | | <1 | 0.03 | 10 | 0.14 | 291 | 1 | 0.01 | 33 | 1170 | 75 | 0.05 | 3 | 1 | 13 | <20 |
| ZZ49999 | | <1 | 0.03 | 10 | 0.14 | 256 | 1 | 0.01 | 28 | 980 | 91 | 0.04 | 5 | 1 | 15 | <20 |
| ZZ50000 | | <1 | 0.04 | 10 | 0.13 | 116 | 1 | 0.01 | 20 | 1040 | 1940 | 0.09 | 22 | 1 | 18 | <20 |
| ZZ49503 | | <1 | 0.03 | 10 | 0.14 | 264 | 2 | 0.01 | 21 | 960 | 99 | 0.05 | <2 | 1 | 13 | <20 |
| ZZ49504 | | <1 | 0.02 | 10 | 0.16 | 202 | 1 | 0.01 | 29 | 1010 | 22 | 0.05 | <2 | 2 | 15 | <20 |
| ZZ49505 | | <1 | 0.03 | 10 | 0.14 | 279 | 1 | 0.01 | 33 | 1590 | 33 | 0.05 | 3 | 1 | 16 | <20 |
| ZZ49506 | | <1 | 0.01 | 10 | 0.08 | 118 | <1 | 0.01 | 26 | 600 | 12 | 0.02 | <2 | 1 | 10 | <20 |
| ZZ49507 | | <1 | 0.02 | 10 | 0.57 | 880 | 1 | 0.01 | 68 | 700 | 31 | 0.03 | 3 | 7 | 14 | <20 |
| ZZ49508 | | 1 | 0.04 | 20 | 0.31 | 408 | 3 | 0.02 | 37 | 1240 | 19 | 0.05 | 3 | 3 | 19 | <20 |
| ZZ49509 | | <1 | 0.04 | 10 | 0.23 | 232 | 2 | 0.02 | 25 | 980 | 19 | 0.05 | 2 | 1 | 18 | <20 |
| ZZ49510 | | <1 | 0.04 | 20 | 0.24 | 262 | 1 | 0.02 | 35 | 1020 | 19 | 0.04 | 2 | 2 | 22 | <20 |
| ZZ49511 | | <1 | 0.04 | 10 | 0.30 | 348 | 1 | 0.01 | 28 | 1030 | 10 | 0.02 | <2 | 3 | 17 | <20 |
| ZZ49512 | | <1 | 0.03 | 10 | 0.20 | 185 | 1 | 0.01 | 17 | 660 | 13 | 0.03 | <2 | 1 | 10 | <20 |
| ZZ49513 | | <1 | 0.03 | 10 | 0.28 | 359 | 1 | 0.01 | 26 | 750 | 51 | 0.04 | <2 | 1 | 14 | <20 |
| ZZ49514 | | <1 | 0.03 | 10 | 0.30 | 238 | 1 | 0.01 | 21 | 590 | 13 | 0.04 | <2 | 1 | 10 | <20 |
| ZZ49515 | | 1 | 0.03 | 10 | 0.30 | 441 | 1 | 0.01 | 29 | 830 | 19 | 0.02 | 2 | 2 | 13 | <20 |
| ZZ49516 | | <1 | 0.03 | 10 | 0.27 | 434 | 1 | 0.01 | 27 | 760 | 16 | 0.02 | <2 | 2 | 12 | <20 |
| ZZ49517 | | <1 | 0.02 | 10 | 0.23 | 193 | 1 | 0.01 | 21 | 740 | 28 | 0.02 | 2 | 2 | 13 | <20 |
| ZZ49518 | | <1 | 0.03 | 10 | 0.23 | 156 | 1 | 0.01 | 19 | 780 | 18 | 0.04 | 3 | 1 | 11 | <20 |
| ZZ49519 | | <1 | 0.03 | 10 | 0.20 | 243 | 2 | 0.01 | 33 | 850 | 20 | 0.04 | 2 | 2 | 16 | <20 |
| ZZ49520 | | <1 | 0.03 | 10 | 0.30 | 388 | 2 | 0.02 | 29 | 950 | 16 | 0.04 | 3 | 2 | 16 | <20 |
| ZZ49521 | | <1 | 0.05 | 10 | 0.44 | 516 | 1 | 0.02 | 35 | 920 | 11 | 0.04 | 2 | 3 | 17 | <20 |
| ZZ49522 | | <1 | 0.02 | 20 | 0.42 | 234 | 1 | 0.01 | 39 | 920 | 14 | 0.03 | 2 | 2 | 15 | <20 |
| ZZ49523 | | <1 | 0.05 | 20 | 0.60 | 512 | 2 | 0.02 | 40 | 840 | 14 | 0.05 | 2 | 2 | 17 | <20 |
| ZZ49524 | | <1 | 0.04 | 20 | 0.38 | 450 | 2 | 0.02 | 33 | 1130 | 13 | 0.03 | 2 | 3 | 18 | <20 |
| ZZ49525 | | <1 | 0.03 | 10 | 0.32 | 377 | 1 | 0.01 | 27 | 800 | 9 | 0.02 | 3 | 2 | 14 | <20 |
| ZZ49526 | | <1 | 0.03 | 10 | 0.30 | 175 | 1 | 0.02 | 21 | 800 | 27 | 0.04 | <2 | 2 | 15 | <20 |
| ZZ49527 | | <1 | 0.04 | 10 | 0.56 | 699 | 1 | 0.01 | 24 | 910 | 16 | 0.05 | <2 | 2 | 12 | <20 |
| ZZ49528 | | <1 | 0.04 | 10 | 0.51 | 681 | 1 | 0.01 | 20 | 1020 | 9 | 0.05 | <2 | 2 | 13 | <20 |
| ZZ49529 | | 1 | 0.05 | 10 | 0.61 | 822 | 1 | 0.02 | 27 | 1100 | 12 | 0.06 | 2 | 2 | 24 | <20 |
| ZZ49530 | | <1 | 0.05 | 10 | 0.44 | 526 | 1 | 0.01 | 26 | 990 | 18 | 0.05 | 2 | 2 | 19 | <20 |
| ZZ49531 | | <1 | 0.05 | 10 | 0.42 | 404 | 1 | 0.01 | 18 | 650 | 16 | 0.05 | 4 | 1 | 13 | <20 |
| ZZ49532 | | <1 | 0.06 | 10 | 0.39 | 555 | 1 | 0.02 | 27 | 1140 | 22 | 0.03 | 3 | 3 | 22 | <20 |

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

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To: **ROCKHAVEN RESOURCES LTD.**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
**1016 - 510 W HASTINGS STREET**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 30-JUL-2015**
**Account: ROCKHA**

Project: Mount Hinton

# CERTIFICATE OF ANALYSIS WH15104681

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Au-ICP21 |
|---|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn | Au |
| | Units | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 | 0.001 |
| ZZ49991 | | 0.01 | <10 | <10 | 22 | <10 | 112 | 0.032 |
| ZZ49992 | | 0.01 | <10 | <10 | 28 | <10 | 118 | 0.024 |
| ZZ49993 | | 0.02 | <10 | <10 | 34 | <10 | 123 | 0.170 |
| ZZ49994 | | 0.02 | <10 | <10 | 35 | <10 | 245 | 0.013 |
| ZZ49995 | | 0.01 | <10 | <10 | 27 | <10 | 95 | 0.018 |
| ZZ49996 | | <0.01 | <10 | <10 | 22 | <10 | 116 | 0.013 |
| ZZ49997 | | <0.01 | <10 | <10 | 15 | <10 | 63 | 0.010 |
| ZZ49998 | | 0.01 | <10 | <10 | 21 | <10 | 129 | 0.011 |
| ZZ49999 | | 0.01 | <10 | <10 | 22 | <10 | 109 | 0.080 |
| ZZ50000 | | 0.01 | <10 | <10 | 20 | <10 | 148 | 0.084 |
| ZZ49503 | | 0.01 | <10 | <10 | 24 | <10 | 117 | 0.076 |
| ZZ49504 | | 0.01 | <10 | <10 | 22 | <10 | 75 | 0.006 |
| ZZ49505 | | 0.01 | <10 | <10 | 24 | <10 | 95 | 0.008 |
| ZZ49506 | | <0.01 | <10 | <10 | 9 | <10 | 54 | 0.006 |
| ZZ49507 | | 0.02 | <10 | <10 | 51 | <10 | 145 | 0.075 |
| ZZ49508 | | 0.03 | <10 | <10 | 35 | <10 | 106 | 0.012 |
| ZZ49509 | | 0.02 | <10 | <10 | 31 | <10 | 70 | 0.027 |
| ZZ49510 | | 0.02 | <10 | <10 | 31 | <10 | 86 | 0.042 |
| ZZ49511 | | 0.04 | <10 | <10 | 34 | <10 | 76 | 0.014 |
| ZZ49512 | | 0.03 | <10 | <10 | 48 | <10 | 56 | 0.026 |
| ZZ49513 | | 0.02 | <10 | <10 | 34 | <10 | 139 | 0.015 |
| ZZ49514 | | 0.03 | <10 | <10 | 38 | <10 | 63 | 0.051 |
| ZZ49515 | | 0.03 | <10 | <10 | 35 | <10 | 85 | 0.093 |
| ZZ49516 | | 0.03 | <10 | <10 | 32 | <10 | 80 | 0.027 |
| ZZ49517 | | 0.02 | <10 | <10 | 26 | <10 | 84 | 0.012 |
| ZZ49518 | | 0.02 | <10 | <10 | 30 | <10 | 61 | 0.006 |
| ZZ49519 | | 0.01 | <10 | <10 | 24 | <10 | 84 | 0.012 |
| ZZ49520 | | 0.02 | <10 | <10 | 34 | <10 | 76 | 0.010 |
| ZZ49521 | | 0.04 | <10 | <10 | 45 | <10 | 97 | 0.010 |
| ZZ49522 | | 0.03 | <10 | <10 | 35 | <10 | 85 | 0.013 |
| ZZ49523 | | 0.04 | <10 | <10 | 49 | <10 | 90 | 0.006 |
| ZZ49524 | | 0.03 | <10 | <10 | 42 | <10 | 91 | 0.010 |
| ZZ49525 | | 0.03 | <10 | <10 | 37 | <10 | 70 | 0.014 |
| ZZ49526 | | 0.03 | <10 | <10 | 32 | <10 | 73 | 0.009 |
| ZZ49527 | | 0.03 | <10 | <10 | 62 | <10 | 86 | 0.005 |
| ZZ49528 | | 0.03 | <10 | <10 | 65 | <10 | 78 | 0.008 |
| ZZ49529 | | 0.03 | <10 | <10 | 63 | <10 | 91 | 0.009 |
| ZZ49530 | | 0.03 | <10 | <10 | 51 | <10 | 87 | 0.013 |
| ZZ49531 | | 0.04 | <10 | <10 | 53 | <10 | 75 | 0.007 |
| ZZ49532 | | 0.04 | <10 | <10 | 34 | <10 | 94 | 0.027 |

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

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**1016 - 510 W HASTINGS STREET**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 30-JUL-2015**
**Account: ROCKHA**

Project: Mount Hinton

# CERTIFICATE OF ANALYSIS WH15104681

| Sample Description | Method | WEI-21 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | B | Ba | Be | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm |
| | LOR | 0.02 | 0.2 | 0.01 | 2 | 10 | 10 | 0.5 | 2 | 0.01 | 0.5 | 1 | 1 | 1 | 0.01 | 10 |
| ZZ49533 | | 0.34 | 0.2 | 1.41 | 67 | <10 | 90 | <0.5 | <2 | 0.08 | <0.5 | 7 | 23 | 35 | 2.83 | <10 |
| ZZ49534 | | 0.38 | 0.2 | 1.00 | 110 | <10 | 100 | <0.5 | <2 | 0.17 | <0.5 | 10 | 18 | 46 | 2.42 | <10 |
| ZZ49535 | | 0.40 | 0.5 | 1.20 | 154 | <10 | 100 | <0.5 | <2 | 0.14 | <0.5 | 12 | 22 | 46 | 2.91 | <10 |
| ZZ49536 | | 0.37 | 0.3 | 1.33 | 158 | <10 | 100 | <0.5 | <2 | 0.13 | 0.5 | 13 | 24 | 49 | 3.02 | <10 |
| ZZ49537 | | 0.38 | 1.0 | 1.29 | 85 | <10 | 70 | <0.5 | <2 | 0.09 | 0.5 | 9 | 22 | 21 | 2.37 | <10 |
| ZZ49538 | | 0.47 | 0.4 | 0.97 | 102 | <10 | 70 | <0.5 | <2 | 0.10 | 0.6 | 9 | 19 | 31 | 2.24 | <10 |
| ZZ49539 | | 0.35 | 0.4 | 1.05 | 86 | <10 | 60 | <0.5 | <2 | 0.09 | <0.5 | 9 | 20 | 26 | 2.34 | <10 |
| ZZ49540 | | 0.38 | 1.3 | 0.57 | 135 | <10 | 50 | <0.5 | <2 | 0.03 | 0.6 | 11 | 11 | 25 | 2.03 | <10 |
| ZZ49541 | | 0.51 | 0.8 | 0.74 | 99 | <10 | 60 | <0.5 | <2 | 0.08 | 0.6 | 9 | 15 | 25 | 2.17 | <10 |
| ZZ49542 | | 0.43 | 0.7 | 1.15 | 89 | <10 | 80 | <0.5 | <2 | 0.07 | 0.5 | 11 | 21 | 27 | 2.52 | <10 |
| ZZ49543 | | 0.42 | <0.2 | 1.20 | 58 | <10 | 60 | <0.5 | <2 | 0.06 | <0.5 | 7 | 22 | 19 | 2.37 | <10 |
| ZZ49544 | | 0.40 | <0.2 | 1.00 | 46 | <10 | 50 | <0.5 | <2 | 0.07 | <0.5 | 8 | 20 | 17 | 2.19 | <10 |
| ZZ49545 | | 0.35 | <0.2 | 0.89 | 46 | <10 | 50 | <0.5 | <2 | 0.10 | <0.5 | 8 | 19 | 21 | 2.04 | <10 |
| ZZ49546 | | 0.38 | 0.2 | 1.23 | 55 | <10 | 70 | <0.5 | <2 | 0.06 | <0.5 | 7 | 23 | 20 | 2.36 | <10 |
| ZZ49547 | | 0.33 | 0.4 | 0.87 | 69 | <10 | 60 | <0.5 | <2 | 0.06 | <0.5 | 6 | 17 | 23 | 2.03 | <10 |
| ZZ49548 | | 0.35 | 0.4 | 0.61 | 78 | <10 | 60 | <0.5 | <2 | 0.04 | <0.5 | 5 | 15 | 31 | 1.84 | <10 |
| ZZ49549 | | 0.37 | 0.4 | 1.07 | 47 | <10 | 80 | <0.5 | <2 | 0.12 | 0.6 | 10 | 19 | 27 | 2.27 | <10 |
| ZZ49550 | | 0.33 | 0.5 | 1.30 | 67 | <10 | 80 | <0.5 | <2 | 0.08 | <0.5 | 10 | 27 | 47 | 2.91 | <10 |
| ZZ49551 | | 0.28 | 1.8 | 1.37 | 132 | <10 | 80 | <0.5 | <2 | 0.06 | 0.5 | 10 | 24 | 44 | 3.61 | <10 |
| ZZ49552 | | 0.50 | 0.7 | 0.63 | 166 | <10 | 70 | <0.5 | <2 | 0.10 | 0.7 | 7 | 13 | 26 | 2.03 | <10 |
| ZZ49553 | | 0.38 | 1.1 | 0.46 | 255 | <10 | 30 | <0.5 | <2 | 0.05 | 0.8 | 5 | 11 | 27 | 1.87 | <10 |
| ZZ49554 | | 0.37 | 0.4 | 0.84 | 40 | <10 | 50 | <0.5 | <2 | 0.06 | <0.5 | 5 | 17 | 23 | 1.90 | <10 |
| ZZ49555 | | 0.49 | 0.4 | 0.80 | 48 | <10 | 50 | <0.5 | <2 | 0.12 | 0.6 | 12 | 19 | 35 | 2.34 | <10 |
| ZZ49556 | | 0.48 | 0.4 | 0.67 | 37 | <10 | 30 | <0.5 | <2 | 0.09 | <0.5 | 6 | 15 | 26 | 1.77 | <10 |
| ZZ49557 | | 0.40 | 0.5 | 0.94 | 34 | <10 | 70 | <0.5 | <2 | 0.10 | 0.6 | 10 | 21 | 35 | 2.40 | <10 |
| ZZ49558 | | 0.50 | 2.2 | 0.59 | 309 | <10 | 50 | <0.5 | <2 | 0.10 | 1.7 | 15 | 11 | 70 | 3.47 | <10 |
| ZZ49559 | | 0.47 | 1.0 | 0.48 | 195 | <10 | 30 | <0.5 | <2 | 0.08 | 0.5 | 5 | 11 | 26 | 1.91 | <10 |
| ZZ49560 | | 0.37 | 0.5 | 0.60 | 43 | <10 | 40 | <0.5 | <2 | 0.05 | <0.5 | 10 | 12 | 41 | 2.54 | <10 |
| ZZ49561 | | 0.31 | 0.7 | 0.87 | 100 | <10 | 40 | <0.5 | <2 | 0.06 | <0.5 | 7 | 17 | 25 | 2.57 | <10 |
| ZZ49562 | | 0.35 | 0.6 | 1.34 | 84 | <10 | 90 | <0.5 | <2 | 0.04 | <0.5 | 10 | 25 | 31 | 3.21 | <10 |
| ZZ49563 | | 0.38 | 0.5 | 0.93 | 64 | <10 | 60 | <0.5 | <2 | 0.09 | 0.7 | 10 | 20 | 29 | 2.25 | <10 |
| ZZ49564 | | 0.43 | 0.4 | 1.19 | 71 | <10 | 70 | <0.5 | <2 | 0.13 | 0.7 | 13 | 22 | 40 | 2.79 | <10 |
| ZZ49565 | | 0.31 | 0.6 | 0.93 | 62 | <10 | 80 | <0.5 | <2 | 0.15 | 0.6 | 10 | 19 | 29 | 2.36 | <10 |
| ZZ49566 | | 0.32 | 0.5 | 1.41 | 98 | <10 | 140 | <0.5 | <2 | 0.15 | 0.6 | 12 | 25 | 36 | 2.84 | <10 |
| ZZ49567 | | 0.36 | 0.6 | 0.99 | 36 | <10 | 60 | <0.5 | <2 | 0.07 | <0.5 | 6 | 19 | 19 | 1.94 | <10 |
| ZZ49568 | | 0.43 | 0.5 | 1.07 | 33 | <10 | 60 | <0.5 | <2 | 0.09 | <0.5 | 6 | 20 | 16 | 2.03 | <10 |
| ZZ49569 | | 0.48 | 0.3 | 0.93 | 51 | <10 | 50 | <0.5 | <2 | 0.12 | 0.7 | 15 | 21 | 50 | 2.51 | <10 |
| ZZ49570 | | 0.54 | 3.1 | 0.64 | 545 | <10 | 40 | <0.5 | <2 | 0.07 | 2.3 | 9 | 14 | 40 | 2.55 | <10 |
| ZZ49571 | | 0.53 | 0.9 | 0.60 | 41 | <10 | 40 | <0.5 | <2 | 0.06 | 0.6 | 13 | 12 | 46 | 2.58 | <10 |
| ZZ49572 | | 0.47 | 0.5 | 0.59 | 78 | <10 | 50 | <0.5 | <2 | 0.07 | 0.7 | 8 | 13 | 27 | 2.28 | <10 |

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**Finalized Date: 30-JUL-2015**
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Project: Mount Hinton

# CERTIFICATE OF ANALYSIS WH15104681

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Hg | K | La | Mg | Mn | Mo | Na | Ni | P | Pb | S | Sb | Sc | Sr | Th |
| | Units | ppm | % | ppm | % | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOR | 1 | 0.01 | 10 | 0.01 | 5 | 1 | 0.01 | 1 | 10 | 2 | 0.01 | 2 | 1 | 1 | 20 |
| ZZ49533 | | 1 | 0.05 | 10 | 0.31 | 415 | 1 | 0.01 | 17 | 630 | 15 | 0.05 | 2 | 1 | 12 | <20 |
| ZZ49534 | | <1 | 0.03 | 10 | 0.31 | 331 | 1 | 0.01 | 28 | 940 | 16 | <0.01 | 2 | 3 | 15 | <20 |
| ZZ49535 | | <1 | 0.04 | 20 | 0.31 | 452 | 1 | 0.01 | 33 | 1160 | 24 | 0.02 | 2 | 3 | 21 | <20 |
| ZZ49536 | | <1 | 0.04 | 20 | 0.35 | 571 | 1 | 0.01 | 35 | 990 | 23 | 0.03 | <2 | 2 | 14 | <20 |
| ZZ49537 | | <1 | 0.04 | 10 | 0.34 | 280 | <1 | 0.01 | 25 | 600 | 62 | 0.02 | 3 | 2 | 12 | <20 |
| ZZ49538 | | <1 | 0.03 | 10 | 0.24 | 226 | <1 | 0.01 | 24 | 830 | 37 | 0.01 | 2 | 2 | 12 | <20 |
| ZZ49539 | | <1 | 0.04 | 10 | 0.27 | 318 | <1 | 0.01 | 24 | 710 | 39 | 0.02 | 2 | 1 | 13 | <20 |
| ZZ49540 | | <1 | 0.02 | 10 | 0.11 | 378 | <1 | 0.01 | 24 | 590 | 56 | <0.01 | 4 | 2 | 11 | <20 |
| ZZ49541 | | <1 | 0.03 | 10 | 0.18 | 333 | <1 | 0.01 | 24 | 800 | 38 | <0.01 | 3 | 2 | 12 | <20 |
| ZZ49542 | | 1 | 0.04 | 10 | 0.26 | 472 | 1 | 0.01 | 26 | 800 | 30 | 0.02 | 2 | 1 | 12 | <20 |
| ZZ49543 | | <1 | 0.03 | 10 | 0.25 | 288 | 1 | 0.01 | 19 | 640 | 23 | 0.02 | 2 | 1 | 10 | <20 |
| ZZ49544 | | 1 | 0.03 | 10 | 0.24 | 306 | <1 | 0.01 | 17 | 540 | 17 | 0.01 | <2 | 1 | 9 | <20 |
| ZZ49545 | | <1 | 0.03 | 10 | 0.24 | 386 | <1 | 0.01 | 20 | 730 | 14 | 0.01 | 3 | 2 | 10 | <20 |
| ZZ49546 | | <1 | 0.03 | 10 | 0.27 | 340 | 1 | 0.01 | 20 | 590 | 16 | 0.02 | <2 | 1 | 9 | <20 |
| ZZ49547 | | <1 | 0.03 | 10 | 0.20 | 187 | 1 | 0.01 | 20 | 710 | 25 | 0.01 | <2 | 1 | 10 | <20 |
| ZZ49548 | | 1 | 0.02 | 10 | 0.13 | 184 | 2 | 0.01 | 19 | 490 | 25 | 0.01 | 2 | 1 | 19 | <20 |
| ZZ49549 | | <1 | 0.03 | 10 | 0.30 | 321 | <1 | 0.01 | 28 | 760 | 35 | 0.01 | <2 | 2 | 12 | <20 |
| ZZ49550 | | <1 | 0.03 | 10 | 0.36 | 248 | 1 | 0.01 | 31 | 840 | 39 | 0.03 | 2 | 1 | 14 | <20 |
| ZZ49551 | | 1 | 0.04 | 10 | 0.24 | 221 | 3 | 0.01 | 42 | 1430 | 74 | 0.04 | 4 | 2 | 23 | <20 |
| ZZ49552 | | <1 | 0.02 | 20 | 0.14 | 245 | 1 | 0.01 | 25 | 850 | 55 | 0.01 | 2 | 2 | 12 | <20 |
| ZZ49553 | | <1 | 0.02 | 20 | 0.08 | 186 | 2 | 0.01 | 20 | 730 | 95 | 0.01 | 4 | 1 | 10 | <20 |
| ZZ49554 | | <1 | 0.03 | 10 | 0.15 | 102 | 1 | 0.01 | 18 | 880 | 24 | 0.02 | 2 | 1 | 12 | <20 |
| ZZ49555 | | <1 | 0.02 | 20 | 0.18 | 254 | 1 | 0.01 | 33 | 1010 | 24 | 0.01 | 4 | 2 | 16 | <20 |
| ZZ49556 | | <1 | 0.02 | 10 | 0.13 | 129 | 2 | 0.01 | 20 | 860 | 22 | 0.01 | 3 | 1 | 12 | <20 |
| ZZ49557 | | <1 | 0.03 | 10 | 0.20 | 171 | 1 | 0.01 | 33 | 1020 | 28 | 0.03 | 3 | 2 | 15 | <20 |
| ZZ49558 | | 1 | 0.02 | 10 | 0.09 | 928 | 7 | 0.01 | 66 | 1070 | 93 | 0.02 | 4 | 2 | 12 | <20 |
| ZZ49559 | | <1 | 0.02 | 20 | 0.10 | 100 | 2 | 0.01 | 21 | 810 | 101 | 0.01 | 4 | 1 | 11 | <20 |
| ZZ49560 | | <1 | 0.02 | 20 | 0.12 | 393 | 5 | 0.01 | 37 | 860 | 17 | 0.02 | 3 | 1 | 12 | <20 |
| ZZ49561 | | <1 | 0.03 | 10 | 0.16 | 221 | 2 | 0.01 | 28 | 1000 | 33 | 0.02 | 3 | 1 | 13 | <20 |
| ZZ49562 | | <1 | 0.04 | 10 | 0.25 | 329 | 2 | 0.01 | 28 | 990 | 43 | 0.03 | 2 | 1 | 18 | <20 |
| ZZ49563 | | <1 | 0.03 | 10 | 0.26 | 418 | 1 | 0.01 | 27 | 750 | 26 | <0.01 | 3 | 2 | 13 | <20 |
| ZZ49564 | | <1 | 0.02 | 10 | 0.48 | 404 | <1 | 0.01 | 33 | 750 | 31 | 0.01 | <2 | 4 | 12 | <20 |
| ZZ49565 | | <1 | 0.03 | 10 | 0.30 | 340 | <1 | 0.01 | 30 | 850 | 50 | 0.01 | 2 | 2 | 13 | <20 |
| ZZ49566 | | <1 | 0.03 | 10 | 0.43 | 399 | <1 | 0.01 | 34 | 880 | 67 | 0.02 | <2 | 2 | 15 | <20 |
| ZZ49567 | | <1 | 0.03 | 10 | 0.22 | 188 | <1 | 0.01 | 17 | 470 | 30 | 0.01 | <2 | 1 | 8 | <20 |
| ZZ49568 | | <1 | 0.03 | 10 | 0.24 | 202 | <1 | 0.01 | 16 | 750 | 24 | 0.02 | 2 | 1 | 9 | <20 |
| ZZ49569 | | <1 | 0.03 | 10 | 0.23 | 334 | <1 | 0.01 | 39 | 1130 | 25 | 0.01 | 3 | 3 | 12 | <20 |
| ZZ49570 | | <1 | 0.02 | 20 | 0.12 | 271 | 2 | 0.01 | 30 | 950 | 223 | 0.03 | 6 | 2 | 19 | <20 |
| ZZ49571 | | <1 | 0.02 | 20 | 0.11 | 553 | 6 | 0.01 | 44 | 850 | 21 | 0.01 | 5 | 2 | 12 | <20 |
| ZZ49572 | | <1 | 0.02 | 20 | 0.11 | 231 | 1 | 0.01 | 32 | 820 | 16 | 0.02 | 2 | 2 | 14 | <20 |

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

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**Finalized Date: 30-JUL-2015**
**Account: ROCKHA**

Project: Mount Hinton

# CERTIFICATE OF ANALYSIS WH15104681

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Au-ICP21 |
|---|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn | Au |
| | Units | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 | 0.001 |
| ZZ49533 | | 0.04 | <10 | <10 | 52 | <10 | 65 | 0.009 |
| ZZ49534 | | 0.04 | <10 | <10 | 34 | <10 | 77 | 0.143 |
| ZZ49535 | | 0.03 | <10 | <10 | 35 | <10 | 95 | 0.033 |
| ZZ49536 | | 0.03 | <10 | <10 | 45 | <10 | 113 | 0.067 |
| ZZ49537 | | 0.03 | <10 | <10 | 37 | <10 | 81 | 0.101 |
| ZZ49538 | | 0.03 | <10 | <10 | 32 | <10 | 84 | 0.088 |
| ZZ49539 | | 0.03 | <10 | <10 | 35 | <10 | 105 | 0.027 |
| ZZ49540 | | 0.02 | <10 | <10 | 17 | <10 | 116 | 0.048 |
| ZZ49541 | | 0.03 | <10 | <10 | 25 | <10 | 103 | 0.058 |
| ZZ49542 | | 0.03 | <10 | <10 | 35 | <10 | 105 | 0.048 |
| ZZ49543 | | 0.03 | <10 | <10 | 40 | <10 | 77 | 0.027 |
| ZZ49544 | | 0.03 | <10 | <10 | 37 | <10 | 71 | 0.029 |
| ZZ49545 | | 0.04 | <10 | <10 | 34 | <10 | 74 | 0.035 |
| ZZ49546 | | 0.03 | <10 | <10 | 41 | <10 | 74 | 0.106 |
| ZZ49547 | | 0.02 | <10 | <10 | 27 | <10 | 72 | 0.022 |
| ZZ49548 | | 0.02 | <10 | <10 | 20 | <10 | 79 | 0.011 |
| ZZ49549 | | 0.03 | <10 | <10 | 34 | <10 | 122 | 0.027 |
| ZZ49550 | | 0.02 | <10 | <10 | 36 | <10 | 112 | 0.009 |
| ZZ49551 | | 0.02 | <10 | <10 | 30 | <10 | 153 | 0.015 |
| ZZ49552 | | 0.02 | <10 | <10 | 19 | <10 | 100 | 0.031 |
| ZZ49553 | | 0.01 | <10 | <10 | 13 | <10 | 92 | 0.090 |
| ZZ49554 | | 0.01 | <10 | <10 | 21 | <10 | 62 | 0.006 |
| ZZ49555 | | 0.01 | <10 | <10 | 22 | <10 | 88 | 0.009 |
| ZZ49556 | | 0.01 | <10 | <10 | 19 | <10 | 74 | 0.019 |
| ZZ49557 | | 0.01 | <10 | <10 | 26 | <10 | 96 | 0.005 |
| ZZ49558 | | 0.01 | <10 | <10 | 14 | <10 | 211 | 0.122 |
| ZZ49559 | | 0.01 | <10 | <10 | 15 | <10 | 93 | 0.059 |
| ZZ49560 | | 0.01 | <10 | <10 | 15 | <10 | 108 | 0.015 |
| ZZ49561 | | 0.01 | <10 | <10 | 24 | <10 | 118 | 0.096 |
| ZZ49562 | | 0.02 | <10 | <10 | 39 | <10 | 105 | 0.008 |
| ZZ49563 | | 0.03 | <10 | <10 | 32 | <10 | 107 | 0.012 |
| ZZ49564 | | 0.02 | <10 | <10 | 42 | <10 | 132 | 0.019 |
| ZZ49565 | | 0.03 | <10 | <10 | 32 | <10 | 123 | 0.017 |
| ZZ49566 | | 0.03 | <10 | <10 | 43 | <10 | 140 | 0.017 |
| ZZ49567 | | 0.03 | <10 | <10 | 35 | <10 | 48 | 0.046 |
| ZZ49568 | | 0.03 | <10 | <10 | 32 | <10 | 49 | 0.030 |
| ZZ49569 | | 0.02 | <10 | <10 | 28 | <10 | 132 | 0.097 |
| ZZ49570 | | 0.01 | <10 | <10 | 18 | <10 | 223 | 0.198 |
| ZZ49571 | | 0.01 | <10 | <10 | 14 | <10 | 116 | 0.012 |
| ZZ49572 | | 0.01 | <10 | <10 | 18 | <10 | 122 | 0.039 |

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

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
**1016 - 510 W HASTINGS STREET**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 30-JUL-2015**
**Account: ROCKHA**

Project: Mount Hinton

# CERTIFICATE OF ANALYSIS WH15104681

| Sample Description | Method | WEI-21 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | B | Ba | Be | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm |
| | LOR | 0.02 | 0.2 | 0.01 | 2 | 10 | 10 | 0.5 | 2 | 0.01 | 0.5 | 1 | 1 | 1 | 0.01 | 10 |
| ZZ49573 | | 0.59 | 1.7 | 0.64 | 128 | <10 | 50 | <0.5 | <2 | 0.05 | 0.6 | 9 | 13 | 29 | 2.48 | <10 |
| ZZ49574 | | 0.50 | 0.9 | 0.66 | 123 | <10 | 50 | <0.5 | <2 | 0.05 | 0.8 | 8 | 13 | 26 | 2.25 | <10 |
| ZZ49575 | | 0.44 | 0.4 | 0.87 | 68 | <10 | 60 | <0.5 | <2 | 0.09 | 0.6 | 9 | 19 | 30 | 2.28 | <10 |
| ZZ49576 | | 0.35 | 4.2 | 1.03 | 135 | <10 | 80 | <0.5 | <2 | 0.06 | 1.1 | 11 | 20 | 41 | 2.79 | <10 |
| ZZ49577 | | 0.42 | 1.1 | 0.77 | 49 | <10 | 100 | <0.5 | <2 | 0.12 | 1.1 | 8 | 13 | 15 | 2.24 | <10 |
| ZZ49578 | | 0.50 | 0.2 | 0.82 | 65 | <10 | 60 | <0.5 | <2 | 0.19 | 0.6 | 9 | 15 | 24 | 2.18 | <10 |
| ZZ49579 | | 0.51 | 0.3 | 0.83 | 43 | <10 | 70 | <0.5 | <2 | 0.14 | 0.5 | 9 | 17 | 23 | 2.04 | <10 |
| ZZ49580 | | 0.53 | 0.4 | 1.29 | 47 | <10 | 70 | <0.5 | <2 | 0.07 | <0.5 | 8 | 24 | 25 | 2.42 | <10 |
| ZZ49581 | | 0.47 | 0.4 | 1.02 | 50 | <10 | 80 | <0.5 | <2 | 0.13 | 0.5 | 9 | 21 | 40 | 2.30 | <10 |
| ZZ49582 | | 0.48 | 1.5 | 1.59 | 84 | <10 | 60 | <0.5 | <2 | 0.21 | 0.5 | 19 | 46 | 108 | 3.33 | <10 |
| ZZ49583 | | 0.49 | 0.4 | 0.50 | 74 | <10 | 60 | <0.5 | <2 | 0.08 | <0.5 | 4 | 11 | 19 | 2.12 | <10 |
| ZZ49584 | | 0.39 | 0.3 | 0.88 | 53 | <10 | 110 | <0.5 | <2 | 0.19 | <0.5 | 8 | 16 | 24 | 2.38 | <10 |
| ZZ49585 | | 0.51 | 0.7 | 0.77 | 143 | <10 | 90 | <0.5 | <2 | 0.10 | 0.6 | 8 | 16 | 30 | 2.72 | <10 |
| ZZ49586 | | 0.49 | 1.0 | 1.00 | 333 | <10 | 60 | <0.5 | <2 | 0.06 | 1.8 | 12 | 16 | 44 | 2.63 | <10 |
| ZZ49587 | | 0.45 | 1.6 | 1.21 | 211 | <10 | 50 | <0.5 | <2 | 0.06 | 0.5 | 6 | 22 | 24 | 2.66 | <10 |
| ZZ49588 | | 0.42 | 2.1 | 1.05 | 147 | <10 | 60 | <0.5 | <2 | 0.08 | <0.5 | 9 | 21 | 29 | 2.61 | <10 |
| ZZ49589 | | 0.48 | 0.6 | 1.05 | 132 | <10 | 60 | <0.5 | <2 | 0.07 | <0.5 | 6 | 20 | 28 | 2.58 | <10 |
| ZZ49590 | | 0.54 | 0.7 | 0.85 | 113 | <10 | 70 | <0.5 | <2 | 0.09 | <0.5 | 11 | 18 | 34 | 2.31 | <10 |
| ZZ49591 | | 0.41 | 0.6 | 0.96 | 98 | <10 | 120 | <0.5 | <2 | 0.06 | <0.5 | 4 | 23 | 49 | 2.33 | <10 |
| ZZ68222 | | 0.47 | <0.2 | 0.40 | 14 | <10 | 30 | <0.5 | <2 | 0.09 | <0.5 | 10 | 11 | 21 | 0.97 | <10 |
| ZZ68223 | | 0.48 | 0.4 | 0.70 | 101 | <10 | 40 | <0.5 | <2 | 0.09 | <0.5 | 13 | 16 | 30 | 2.25 | <10 |
| ZZ68224 | | 0.38 | 0.2 | 0.52 | 102 | <10 | 30 | <0.5 | <2 | 0.06 | <0.5 | 10 | 13 | 17 | 1.51 | <10 |
| ZZ68225 | | 0.37 | 0.6 | 1.54 | 153 | <10 | 110 | <0.5 | <2 | 0.07 | <0.5 | 8 | 22 | 16 | 2.65 | <10 |
| ZZ68226 | | 0.53 | 1.2 | 1.62 | 78 | <10 | 160 | 0.6 | <2 | 0.16 | 0.5 | 11 | 30 | 48 | 3.41 | <10 |
| ZZ68227 | | 0.53 | 3.1 | 0.73 | 166 | <10 | 60 | <0.5 | <2 | 0.06 | 0.6 | 5 | 18 | 28 | 2.28 | <10 |
| ZZ68228 | | 0.47 | 0.3 | 0.84 | 46 | <10 | 40 | <0.5 | <2 | 0.07 | <0.5 | 10 | 21 | 30 | 2.40 | <10 |
| ZZ68229 | | 0.45 | 0.9 | 0.90 | 74 | <10 | 70 | 0.5 | <2 | 0.11 | <0.5 | 14 | 19 | 28 | 2.29 | <10 |
| ZZ68230 | | 0.45 | 0.3 | 0.80 | 51 | <10 | 50 | <0.5 | <2 | 0.20 | <0.5 | 14 | 17 | 32 | 2.20 | <10 |
| ZZ68231 | | 0.45 | 0.4 | 0.76 | 51 | <10 | 70 | <0.5 | <2 | 0.31 | <0.5 | 12 | 17 | 26 | 2.61 | <10 |
| ZZ68232 | | 0.44 | <0.2 | 0.72 | 17 | <10 | 60 | <0.5 | <2 | 0.08 | <0.5 | 10 | 16 | 13 | 4.29 | <10 |
| ZZ68233 | | 0.40 | 0.5 | 1.28 | 33 | <10 | 50 | <0.5 | <2 | 0.05 | <0.5 | 6 | 23 | 30 | 2.48 | <10 |
| ZZ68234 | | 0.44 | 2.3 | 0.96 | 112 | <10 | 40 | <0.5 | <2 | 0.10 | 0.6 | 15 | 22 | 40 | 3.22 | <10 |
| ZZ68235 | | 0.46 | 2.0 | 0.89 | 182 | <10 | 60 | 0.5 | <2 | 0.11 | 1.9 | 9 | 18 | 33 | 2.31 | <10 |
| ZZ68236 | | 0.41 | 2.3 | 0.72 | 267 | <10 | 70 | <0.5 | <2 | 0.08 | 1.1 | 6 | 15 | 18 | 2.13 | <10 |
| ZZ68237 | | 0.48 | 6.8 | 0.60 | 170 | <10 | 50 | <0.5 | <2 | 0.08 | 1.1 | 5 | 14 | 14 | 1.85 | <10 |
| ZZ68238 | | 0.55 | 23.0 | 0.60 | 180 | <10 | 40 | <0.5 | <2 | 0.06 | 0.5 | 4 | 15 | 25 | 1.90 | <10 |
| ZZ68239 | | 0.42 | 1.5 | 0.52 | 72 | <10 | 30 | <0.5 | <2 | 0.05 | <0.5 | 5 | 15 | 13 | 1.68 | <10 |
| ZZ68240 | | 0.50 | 2.8 | 0.65 | 74 | <10 | 40 | <0.5 | <2 | 0.11 | 0.7 | 7 | 19 | 24 | 1.89 | <10 |
| ZZ68241 | | 0.46 | 0.2 | 1.88 | 30 | <10 | 100 | <0.5 | <2 | 0.09 | <0.5 | 10 | 29 | 12 | 2.70 | 10 |
| ZZ68242 | | 0.54 | <0.2 | 1.53 | 15 | <10 | 70 | <0.5 | <2 | 0.07 | <0.5 | 7 | 26 | 11 | 2.83 | 10 |

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

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**Finalized Date: 30-JUL-2015**
**Account: ROCKHA**

Project: Mount Hinton

# CERTIFICATE OF ANALYSIS WH15104681

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Hg | K | La | Mg | Mn | Mo | Na | Ni | P | Pb | S | Sb | Sc | Sr | Th |
| | Units | ppm | % | ppm | % | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOR | 1 | 0.01 | 10 | 0.01 | 5 | 1 | 0.01 | 1 | 10 | 2 | 0.01 | 2 | 1 | 1 | 20 |
| ZZ49573 | | <1 | 0.02 | 10 | 0.11 | 239 | 2 | 0.01 | 30 | 930 | 121 | 0.02 | 3 | 2 | 17 | <20 |
| ZZ49574 | | <1 | 0.02 | 10 | 0.13 | 278 | 1 | 0.01 | 27 | 780 | 51 | 0.01 | 4 | 1 | 13 | <20 |
| ZZ49575 | | <1 | 0.03 | 10 | 0.23 | 297 | 1 | 0.01 | 28 | 710 | 26 | <0.01 | 2 | 2 | 15 | <20 |
| ZZ49576 | | <1 | 0.03 | 10 | 0.26 | 399 | 1 | 0.01 | 33 | 990 | 281 | 0.03 | 5 | 2 | 27 | <20 |
| ZZ49577 | | <1 | 0.02 | 10 | 0.13 | 242 | <1 | 0.01 | 32 | 850 | 86 | 0.02 | <2 | 1 | 24 | <20 |
| ZZ49578 | | <1 | 0.02 | 10 | 0.34 | 324 | <1 | 0.01 | 26 | 750 | 11 | 0.01 | 3 | 3 | 13 | <20 |
| ZZ49579 | | <1 | 0.03 | 10 | 0.23 | 307 | <1 | 0.01 | 27 | 760 | 16 | 0.01 | <2 | 1 | 11 | <20 |
| ZZ49580 | | <1 | 0.03 | 10 | 0.30 | 313 | 1 | 0.01 | 22 | 720 | 44 | 0.03 | <2 | 1 | 11 | <20 |
| ZZ49581 | | <1 | 0.03 | 10 | 0.32 | 259 | <1 | 0.01 | 32 | 730 | 63 | 0.01 | <2 | 2 | 14 | <20 |
| ZZ49582 | | <1 | 0.02 | 10 | 0.86 | 684 | <1 | 0.01 | 50 | 790 | 107 | 0.01 | 2 | 5 | 19 | <20 |
| ZZ49583 | | <1 | 0.03 | 10 | 0.10 | 120 | <1 | 0.01 | 17 | 770 | 13 | 0.04 | 3 | 1 | 17 | <20 |
| ZZ49584 | | <1 | 0.03 | 10 | 0.21 | 324 | 1 | 0.01 | 25 | 1020 | 15 | 0.03 | <2 | 2 | 20 | <20 |
| ZZ49585 | | <1 | 0.03 | 10 | 0.15 | 239 | 1 | 0.01 | 32 | 780 | 40 | 0.03 | 3 | 1 | 33 | <20 |
| ZZ49586 | | <1 | 0.03 | 10 | 0.18 | 363 | <1 | 0.01 | 55 | 840 | 93 | 0.02 | 2 | 2 | 17 | <20 |
| ZZ49587 | | <1 | 0.03 | 10 | 0.21 | 252 | 1 | 0.01 | 19 | 800 | 13 | 0.04 | 2 | 1 | 10 | <20 |
| ZZ49588 | | <1 | 0.03 | 10 | 0.26 | 223 | <1 | 0.01 | 23 | 690 | 162 | 0.01 | 5 | 2 | 11 | <20 |
| ZZ49589 | | <1 | 0.03 | 10 | 0.21 | 180 | 1 | 0.01 | 19 | 960 | 38 | 0.02 | 3 | 1 | 15 | <20 |
| ZZ49590 | | <1 | 0.03 | 10 | 0.20 | 450 | 1 | 0.01 | 25 | 820 | 30 | 0.01 | 3 | 2 | 16 | <20 |
| ZZ49591 | | 1 | 0.02 | 10 | 0.21 | 147 | 4 | 0.01 | 24 | 610 | 32 | 0.02 | 2 | 2 | 41 | <20 |
| ZZ68222 | | <1 | 0.01 | 10 | 0.13 | 260 | <1 | 0.01 | 21 | 480 | 3 | <0.01 | 2 | 1 | 5 | <20 |
| ZZ68223 | | <1 | 0.02 | 10 | 0.12 | 296 | <1 | 0.01 | 34 | 1010 | 14 | 0.02 | 2 | 1 | 16 | <20 |
| ZZ68224 | | <1 | 0.02 | 10 | 0.12 | 329 | <1 | 0.01 | 21 | 640 | 8 | 0.01 | 3 | 1 | 7 | <20 |
| ZZ68225 | | <1 | 0.04 | 10 | 0.29 | 262 | 2 | 0.01 | 19 | 880 | 24 | 0.03 | 2 | 2 | 10 | <20 |
| ZZ68226 | | <1 | 0.05 | 20 | 0.28 | 166 | 1 | 0.01 | 46 | 1320 | 41 | 0.03 | <2 | 3 | 19 | <20 |
| ZZ68227 | | <1 | 0.04 | 10 | 0.09 | 196 | 2 | 0.01 | 20 | 1140 | 168 | 0.07 | 6 | 1 | 19 | <20 |
| ZZ68228 | | <1 | 0.02 | 10 | 0.16 | 233 | 1 | 0.01 | 29 | 980 | 30 | 0.02 | 2 | 2 | 10 | <20 |
| ZZ68229 | | <1 | 0.03 | 10 | 0.15 | 356 | 1 | 0.01 | 34 | 1100 | 40 | 0.03 | <2 | 1 | 13 | <20 |
| ZZ68230 | | 1 | 0.02 | 10 | 0.13 | 273 | 1 | 0.01 | 45 | 1110 | 19 | 0.02 | 2 | 2 | 15 | <20 |
| ZZ68231 | | 1 | 0.03 | 10 | 0.15 | 376 | 1 | 0.01 | 37 | 980 | 16 | 0.03 | 3 | 2 | 17 | <20 |
| ZZ68232 | | <1 | 0.02 | 10 | 0.13 | 469 | <1 | 0.01 | 22 | 1180 | 11 | 0.03 | <2 | 1 | 8 | <20 |
| ZZ68233 | | 1 | 0.04 | 10 | 0.15 | 155 | 1 | 0.01 | 20 | 1090 | 23 | 0.08 | <2 | 1 | 14 | <20 |
| ZZ68234 | | 1 | 0.03 | 10 | 0.13 | 379 | 2 | 0.01 | 44 | 1710 | 132 | 0.06 | 6 | 2 | 20 | <20 |
| ZZ68235 | | 1 | 0.03 | 10 | 0.13 | 248 | 1 | 0.01 | 30 | 1150 | 83 | 0.05 | 4 | 1 | 18 | <20 |
| ZZ68236 | | <1 | 0.03 | 10 | 0.11 | 233 | <1 | <0.01 | 19 | 900 | 168 | 0.07 | 6 | 1 | 16 | <20 |
| ZZ68237 | | <1 | 0.03 | 10 | 0.09 | 199 | 1 | <0.01 | 13 | 1030 | 347 | 0.08 | 7 | 1 | 15 | <20 |
| ZZ68238 | | 1 | 0.04 | 10 | 0.10 | 127 | 1 | <0.01 | 13 | 910 | 1130 | 0.11 | 16 | 1 | 18 | <20 |
| ZZ68239 | | 1 | 0.02 | 10 | 0.10 | 108 | 1 | <0.01 | 17 | 810 | 134 | 0.06 | 6 | 1 | 16 | <20 |
| ZZ68240 | | <1 | 0.03 | 10 | 0.13 | 139 | 1 | <0.01 | 22 | 890 | 131 | 0.06 | 5 | 1 | 18 | <20 |
| ZZ68241 | | <1 | 0.04 | 10 | 0.43 | 379 | 1 | <0.01 | 19 | 770 | 12 | 0.04 | 2 | 2 | 10 | <20 |
| ZZ68242 | | <1 | 0.03 | 10 | 0.32 | 246 | 1 | <0.01 | 16 | 510 | 13 | 0.04 | <2 | 1 | 8 | <20 |

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

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**Finalized Date: 30-JUL-2015**
**Account: ROCKHA**

Project: Mount Hinton

# CERTIFICATE OF ANALYSIS WH15104681

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Au-ICP21 |
|---|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn | Au |
| | Units | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 | 0.001 |
| ZZ49573 | | 0.01 | <10 | <10 | 17 | <10 | 148 | 0.280 |
| ZZ49574 | | 0.01 | <10 | <10 | 18 | <10 | 111 | 0.022 |
| ZZ49575 | | 0.03 | <10 | <10 | 29 | <10 | 110 | 0.012 |
| ZZ49576 | | 0.02 | <10 | <10 | 29 | <10 | 235 | 0.011 |
| ZZ49577 | | 0.01 | <10 | <10 | 18 | <10 | 208 | 0.006 |
| ZZ49578 | | 0.02 | <10 | <10 | 31 | <10 | 102 | 0.008 |
| ZZ49579 | | 0.02 | <10 | <10 | 29 | <10 | 96 | 0.010 |
| ZZ49580 | | 0.03 | <10 | <10 | 45 | <10 | 87 | 0.008 |
| ZZ49581 | | 0.02 | <10 | <10 | 31 | <10 | 121 | 0.013 |
| ZZ49582 | | 0.02 | <10 | <10 | 52 | <10 | 132 | 0.035 |
| ZZ49583 | | 0.01 | <10 | <10 | 13 | <10 | 60 | 0.063 |
| ZZ49584 | | 0.02 | <10 | <10 | 25 | <10 | 99 | 0.009 |
| ZZ49585 | | 0.02 | <10 | <10 | 25 | <10 | 145 | 0.045 |
| ZZ49586 | | 0.03 | <10 | <10 | 26 | <10 | 255 | 0.067 |
| ZZ49587 | | 0.03 | <10 | <10 | 46 | <10 | 82 | 0.016 |
| ZZ49588 | | 0.04 | <10 | <10 | 36 | <10 | 98 | 0.045 |
| ZZ49589 | | 0.02 | <10 | <10 | 34 | <10 | 82 | 0.024 |
| ZZ49590 | | 0.03 | <10 | <10 | 28 | <10 | 91 | 0.018 |
| ZZ49591 | | 0.01 | <10 | <10 | 23 | <10 | 85 | 0.013 |
| ZZ68222 | | 0.01 | <10 | <10 | 12 | <10 | 36 | 0.001 |
| ZZ68223 | | 0.01 | <10 | <10 | 17 | <10 | 60 | 0.010 |
| ZZ68224 | | 0.01 | <10 | <10 | 14 | <10 | 45 | 0.005 |
| ZZ68225 | | 0.03 | <10 | <10 | 37 | <10 | 58 | 0.030 |
| ZZ68226 | | 0.01 | <10 | <10 | 33 | <10 | 122 | 0.008 |
| ZZ68227 | | <0.01 | <10 | <10 | 19 | <10 | 110 | 0.019 |
| ZZ68228 | | 0.01 | <10 | <10 | 22 | <10 | 74 | 0.004 |
| ZZ68229 | | 0.01 | <10 | <10 | 21 | <10 | 87 | 0.012 |
| ZZ68230 | | <0.01 | <10 | <10 | 17 | <10 | 86 | 0.007 |
| ZZ68231 | | 0.01 | <10 | <10 | 18 | <10 | 65 | 0.011 |
| ZZ68232 | | 0.01 | <10 | <10 | 24 | <10 | 77 | 0.002 |
| ZZ68233 | | 0.02 | <10 | <10 | 38 | <10 | 65 | 0.007 |
| ZZ68234 | | 0.01 | <10 | <10 | 23 | <10 | 129 | 0.015 |
| ZZ68235 | | 0.01 | <10 | <10 | 22 | <10 | 188 | 0.011 |
| ZZ68236 | | 0.01 | <10 | <10 | 20 | <10 | 156 | 0.041 |
| ZZ68237 | | 0.01 | <10 | <10 | 17 | <10 | 114 | 0.037 |
| ZZ68238 | | <0.01 | <10 | <10 | 17 | <10 | 115 | 0.076 |
| ZZ68239 | | <0.01 | <10 | <10 | 18 | <10 | 71 | 0.011 |
| ZZ68240 | | <0.01 | <10 | <10 | 18 | <10 | 91 | 0.019 |
| ZZ68241 | | 0.04 | <10 | <10 | 52 | <10 | 85 | 0.006 |
| ZZ68242 | | 0.03 | <10 | <10 | 53 | <10 | 54 | 0.001 |

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

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# CERTIFICATE OF ANALYSIS WH15104681

| Sample Description | Method | WEI-21 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | B | Ba | Be | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm |
| | LOR | 0.02 | 0.2 | 0.01 | 2 | 10 | 10 | 0.5 | 2 | 0.01 | 0.5 | 1 | 1 | 1 | 0.01 | 10 |
| ZZ68243 | | 0.51 | 0.9 | 1.03 | 45 | <10 | 80 | <0.5 | <2 | 0.19 | <0.5 | 6 | 21 | 20 | 2.08 | <10 |
| ZZ68244 | | 0.52 | 2.1 | 0.84 | 59 | <10 | 50 | <0.5 | <2 | 0.11 | 0.7 | 10 | 20 | 36 | 2.46 | <10 |
| ZZ68245 | | 0.48 | 0.4 | 1.09 | 28 | <10 | 70 | <0.5 | <2 | 0.12 | 0.6 | 11 | 18 | 30 | 2.45 | <10 |
| ZZ68246 | | 0.53 | 0.3 | 1.05 | 48 | <10 | 60 | <0.5 | <2 | 0.10 | <0.5 | 8 | 20 | 31 | 2.36 | <10 |
| ZZ68247 | | 0.65 | 0.4 | 1.11 | 42 | <10 | 80 | <0.5 | <2 | 0.13 | 0.6 | 11 | 21 | 41 | 2.43 | <10 |
| ZZ68248 | | 0.50 | 0.2 | 1.51 | 22 | <10 | 80 | <0.5 | <2 | 0.10 | <0.5 | 7 | 26 | 24 | 2.49 | <10 |
| ZZ68249 | | 0.41 | 0.5 | 1.38 | 29 | <10 | 120 | <0.5 | <2 | 0.21 | <0.5 | 9 | 26 | 33 | 2.53 | <10 |
| ZZ68251 | | 0.44 | 0.3 | 0.79 | 47 | <10 | 60 | <0.5 | <2 | 0.08 | <0.5 | 6 | 19 | 16 | 1.99 | <10 |
| ZZ68252 | | 0.48 | 2.6 | 1.03 | 90 | <10 | 60 | <0.5 | <2 | 0.11 | 0.7 | 10 | 21 | 40 | 2.55 | <10 |
| ZZ68253 | | 0.50 | 0.6 | 0.95 | 31 | <10 | 70 | <0.5 | <2 | 0.05 | <0.5 | 8 | 19 | 22 | 2.17 | <10 |
| ZZ68254 | | 0.45 | 0.7 | 1.13 | 30 | <10 | 70 | <0.5 | <2 | 0.05 | <0.5 | 6 | 21 | 24 | 2.22 | <10 |
| ZZ68255 | | 0.44 | 0.9 | 0.95 | 40 | <10 | 50 | <0.5 | <2 | 0.04 | <0.5 | 6 | 20 | 20 | 2.23 | <10 |
| ZZ68256 | | 0.42 | 0.8 | 0.91 | 39 | <10 | 50 | <0.5 | <2 | 0.05 | <0.5 | 7 | 21 | 27 | 2.48 | <10 |
| ZZ68257 | | 0.47 | 1.8 | 0.93 | 129 | <10 | 50 | <0.5 | <2 | 0.07 | 0.7 | 8 | 23 | 41 | 2.67 | <10 |
| ZZ68258 | | 0.44 | 0.9 | 0.51 | 153 | <10 | 20 | <0.5 | <2 | 0.15 | 0.6 | 11 | 13 | 26 | 2.48 | <10 |
| ZZ68259 | | 0.50 | 0.8 | 0.49 | 160 | <10 | 20 | <0.5 | <2 | 0.14 | 0.7 | 10 | 12 | 25 | 2.47 | <10 |
| ZZ68260 | | 0.48 | 2.8 | 0.44 | 136 | <10 | 20 | <0.5 | <2 | 0.20 | 1.5 | 11 | 11 | 28 | 2.40 | <10 |
| ZZ68261 | | 0.46 | 3.1 | 0.48 | 159 | <10 | 30 | <0.5 | <2 | 0.18 | 2.6 | 13 | 11 | 40 | 2.62 | <10 |
| ZZ68262 | | 0.41 | 0.7 | 1.40 | 69 | <10 | 90 | <0.5 | <2 | 0.13 | 2.1 | 11 | 27 | 96 | 3.65 | <10 |
| ZZ68263 | | 0.43 | 1.1 | 0.52 | 145 | <10 | 20 | <0.5 | <2 | 0.12 | 0.8 | 11 | 12 | 28 | 2.49 | <10 |
| ZZ68264 | | 0.40 | 2.0 | 0.46 | 158 | <10 | 20 | <0.5 | <2 | 0.07 | 1.1 | 11 | 13 | 28 | 2.42 | <10 |
| ZZ68265 | | 0.48 | 9.9 | 0.47 | 603 | <10 | 20 | <0.5 | <2 | 0.07 | 1.4 | 10 | 12 | 29 | 2.45 | <10 |
| ZZ68266 | | 0.44 | 1.6 | 0.98 | 102 | <10 | 60 | <0.5 | <2 | 0.05 | 0.5 | 6 | 21 | 29 | 2.60 | <10 |
| ZZ68267 | | 0.43 | 0.8 | 1.02 | 31 | <10 | 70 | <0.5 | <2 | 0.07 | <0.5 | 9 | 24 | 33 | 2.84 | <10 |
| ZZ68268 | | 0.37 | 0.9 | 1.00 | 39 | <10 | 70 | <0.5 | <2 | 0.08 | <0.5 | 9 | 23 | 29 | 2.59 | <10 |
| ZZ68269 | | 0.53 | 0.8 | 1.06 | 40 | <10 | 80 | <0.5 | <2 | 0.05 | <0.5 | 8 | 22 | 23 | 2.32 | <10 |
| ZZ68270 | | 0.42 | 0.7 | 1.08 | 39 | <10 | 120 | <0.5 | <2 | 0.23 | <0.5 | 7 | 22 | 30 | 2.31 | <10 |
| ZZ68271 | | 0.39 | 2.2 | 0.85 | 29 | <10 | 60 | <0.5 | <2 | 0.08 | 0.5 | 7 | 19 | 29 | 2.36 | <10 |
| ZZ68272 | | 0.40 | 0.4 | 1.01 | 28 | <10 | 100 | <0.5 | <2 | 0.15 | <0.5 | 7 | 21 | 38 | 2.31 | <10 |
| ZZ68273 | | 0.43 | 0.5 | 1.07 | 36 | <10 | 90 | <0.5 | <2 | 0.22 | <0.5 | 10 | 23 | 34 | 2.77 | <10 |
| ZZ68274 | | 0.46 | 0.4 | 1.07 | 35 | <10 | 50 | <0.5 | <2 | 0.14 | 0.7 | 10 | 23 | 39 | 2.51 | <10 |
| ZZ68275 | | 0.42 | 0.5 | 0.88 | 72 | <10 | 70 | <0.5 | <2 | 0.10 | <0.5 | 10 | 21 | 29 | 2.52 | <10 |
| ZZ68276 | | 0.58 | 0.6 | 1.00 | 56 | <10 | 60 | <0.5 | <2 | 0.08 | 0.5 | 12 | 21 | 41 | 2.85 | <10 |
| ZZ68277 | | 0.44 | 0.4 | 1.65 | 25 | <10 | 150 | <0.5 | <2 | 0.21 | <0.5 | 13 | 42 | 84 | 3.55 | 10 |
| ZZ68278 | | 0.33 | 0.2 | 1.53 | 43 | <10 | 100 | <0.5 | <2 | 0.13 | <0.5 | 8 | 25 | 38 | 2.73 | 10 |
| ZZ68279 | | 0.38 | 0.5 | 1.52 | 119 | <10 | 110 | <0.5 | <2 | 0.21 | 0.5 | 13 | 26 | 86 | 3.61 | 10 |
| ZZ68280 | | 0.42 | 2.5 | 1.67 | 115 | <10 | 110 | <0.5 | <2 | 0.12 | 0.6 | 12 | 25 | 71 | 3.51 | 10 |
| ZZ68281 | | 0.32 | 0.5 | 1.69 | 158 | <10 | 140 | <0.5 | <2 | 0.15 | <0.5 | 12 | 25 | 57 | 3.61 | 10 |
| ZZ68282 | | 0.45 | <0.2 | 1.76 | 63 | <10 | 120 | <0.5 | <2 | 0.14 | <0.5 | 11 | 26 | 60 | 3.51 | 10 |
| ZZ68283 | | 0.45 | 0.3 | 2.24 | 146 | <10 | 140 | <0.5 | <2 | 0.25 | <0.5 | 18 | 35 | 110 | 4.76 | 10 |

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

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To: **ROCKHAVEN RESOURCES LTD.**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
**1016 - 510 W HASTINGS STREET**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 30-JUL-2015**
**Account: ROCKHA**

Project: Mount Hinton

# CERTIFICATE OF ANALYSIS WH15104681

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Hg | K | La | Mg | Mn | Mo | Na | Ni | P | Pb | S | Sb | Sc | Sr | Th |
| | Units | ppm | % | ppm | % | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOR | 1 | 0.01 | 10 | 0.01 | 5 | 1 | 0.01 | 1 | 10 | 2 | 0.01 | 2 | 1 | 1 | 20 |
| ZZ68243 | | <1 | 0.03 | 10 | 0.24 | 154 | 1 | <0.01 | 23 | 1030 | 37 | 0.06 | 3 | 1 | 14 | <20 |
| ZZ68244 | | 1 | 0.02 | 20 | 0.22 | 364 | 1 | <0.01 | 33 | 950 | 47 | 0.04 | 5 | 2 | 12 | <20 |
| ZZ68245 | | <1 | 0.03 | 10 | 0.27 | 307 | 1 | <0.01 | 38 | 1010 | 14 | 0.03 | 2 | 2 | 9 | <20 |
| ZZ68246 | | <1 | 0.03 | 20 | 0.28 | 214 | <1 | <0.01 | 25 | 910 | 22 | 0.04 | 2 | 2 | 13 | <20 |
| ZZ68247 | | <1 | 0.03 | 20 | 0.30 | 271 | 1 | <0.01 | 31 | 1010 | 23 | 0.03 | <2 | 3 | 15 | <20 |
| ZZ68248 | | <1 | 0.04 | 10 | 0.40 | 212 | 1 | <0.01 | 22 | 790 | 14 | 0.04 | <2 | 1 | 11 | <20 |
| ZZ68249 | | <1 | 0.04 | 20 | 0.36 | 268 | 1 | <0.01 | 28 | 1220 | 26 | 0.07 | <2 | 1 | 20 | <20 |
| ZZ68251 | | <1 | 0.03 | 20 | 0.16 | 213 | 1 | <0.01 | 18 | 970 | 17 | 0.07 | 3 | <1 | 14 | <20 |
| ZZ68252 | | <1 | 0.03 | 20 | 0.28 | 221 | <1 | <0.01 | 33 | 1040 | 232 | 0.03 | 6 | 2 | 10 | <20 |
| ZZ68253 | | <1 | 0.03 | 20 | 0.18 | 285 | 1 | <0.01 | 23 | 970 | 24 | 0.07 | 3 | 1 | 12 | <20 |
| ZZ68254 | | <1 | 0.03 | 20 | 0.21 | 213 | 1 | <0.01 | 24 | 810 | 22 | 0.05 | 2 | 1 | 12 | <20 |
| ZZ68255 | | <1 | 0.03 | 20 | 0.18 | 286 | 1 | <0.01 | 16 | 860 | 62 | 0.06 | 2 | 1 | 12 | <20 |
| ZZ68256 | | 1 | 0.02 | 20 | 0.21 | 230 | 1 | <0.01 | 25 | 990 | 50 | 0.05 | 3 | 1 | 15 | <20 |
| ZZ68257 | | <1 | 0.02 | 10 | 0.24 | 151 | <1 | <0.01 | 31 | 870 | 105 | 0.03 | 5 | 2 | 31 | <20 |
| ZZ68258 | | <1 | 0.02 | 10 | 0.08 | 318 | 2 | <0.01 | 35 | 960 | 35 | 0.04 | 4 | 1 | 15 | <20 |
| ZZ68259 | | 1 | 0.02 | 10 | 0.07 | 286 | 2 | <0.01 | 35 | 910 | 32 | 0.04 | 5 | 1 | 16 | <20 |
| ZZ68260 | | <1 | 0.02 | 10 | 0.07 | 301 | 2 | <0.01 | 36 | 980 | 179 | 0.04 | 5 | 1 | 14 | <20 |
| ZZ68261 | | <1 | 0.02 | 20 | 0.09 | 394 | 3 | <0.01 | 45 | 910 | 194 | 0.04 | 8 | 1 | 16 | <20 |
| ZZ68262 | | 1 | 0.04 | 20 | 0.39 | 359 | 1 | <0.01 | 27 | 1240 | 31 | 0.05 | 2 | 1 | 13 | <20 |
| ZZ68263 | | <1 | 0.02 | 10 | 0.08 | 288 | 2 | <0.01 | 37 | 910 | 37 | 0.04 | 5 | 1 | 15 | <20 |
| ZZ68264 | | <1 | 0.01 | 10 | 0.09 | 343 | 2 | <0.01 | 38 | 840 | 131 | 0.04 | 5 | 1 | 13 | <20 |
| ZZ68265 | | 1 | 0.02 | 10 | 0.10 | 295 | 2 | <0.01 | 34 | 830 | 440 | 0.04 | 14 | 1 | 13 | <20 |
| ZZ68266 | | <1 | 0.03 | 10 | 0.21 | 189 | 1 | <0.01 | 23 | 990 | 83 | 0.05 | 4 | 1 | 20 | <20 |
| ZZ68267 | | <1 | 0.03 | 20 | 0.24 | 318 | 1 | <0.01 | 29 | 1120 | 46 | 0.05 | 3 | 1 | 14 | <20 |
| ZZ68268 | | 1 | 0.03 | 10 | 0.22 | 283 | 1 | <0.01 | 26 | 960 | 53 | 0.06 | 3 | 1 | 15 | <20 |
| ZZ68269 | | <1 | 0.03 | 20 | 0.18 | 279 | 1 | <0.01 | 24 | 800 | 55 | 0.05 | 3 | 1 | 12 | <20 |
| ZZ68270 | | <1 | 0.03 | 30 | 0.19 | 227 | 1 | <0.01 | 29 | 960 | 53 | 0.06 | <2 | 1 | 20 | <20 |
| ZZ68271 | | <1 | 0.03 | 20 | 0.15 | 174 | 1 | <0.01 | 22 | 910 | 46 | 0.06 | 3 | <1 | 12 | <20 |
| ZZ68272 | | 1 | 0.03 | 30 | 0.18 | 238 | 1 | <0.01 | 20 | 1210 | 23 | 0.07 | 2 | 1 | 17 | <20 |
| ZZ68273 | | 1 | 0.03 | 30 | 0.25 | 264 | 2 | 0.01 | 35 | 1130 | 26 | 0.04 | <2 | 1 | 21 | <20 |
| ZZ68274 | | 1 | 0.02 | 20 | 0.24 | 290 | 1 | 0.01 | 28 | 1100 | 21 | 0.02 | 5 | 2 | 15 | <20 |
| ZZ68275 | | <1 | 0.03 | 20 | 0.20 | 301 | 2 | 0.01 | 25 | 1140 | 30 | 0.06 | 3 | <1 | 16 | <20 |
| ZZ68276 | | 1 | 0.03 | 30 | 0.22 | 356 | 2 | 0.01 | 35 | 1120 | 31 | 0.04 | 4 | 2 | 16 | <20 |
| ZZ68277 | | 1 | 0.04 | 30 | 0.61 | 367 | 3 | 0.01 | 47 | 890 | 13 | 0.02 | 5 | 3 | 17 | <20 |
| ZZ68278 | | 2 | 0.03 | 10 | 0.37 | 262 | 1 | 0.01 | 20 | 620 | 11 | 0.02 | 2 | 1 | 11 | <20 |
| ZZ68279 | | <1 | 0.03 | 10 | 0.52 | 413 | 1 | 0.01 | 30 | 980 | 21 | 0.02 | 3 | 4 | 14 | <20 |
| ZZ68280 | | 1 | 0.04 | 10 | 0.41 | 544 | 1 | 0.01 | 23 | 690 | 199 | 0.02 | 3 | 2 | 12 | <20 |
| ZZ68281 | | <1 | 0.04 | 10 | 0.40 | 676 | 1 | 0.01 | 21 | 860 | 26 | 0.03 | <2 | 1 | 14 | <20 |
| ZZ68282 | | 1 | 0.04 | 10 | 0.44 | 473 | 1 | 0.01 | 23 | 640 | 10 | 0.02 | 3 | 2 | 12 | <20 |
| ZZ68283 | | <1 | 0.03 | 10 | 0.88 | 535 | 1 | 0.01 | 43 | 1050 | 27 | 0.04 | 4 | 3 | 19 | <20 |

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

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To: **ROCKHAVEN RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 30-JUL-2015**
**Account: ROCKHA**

Project: Mount Hinton

# CERTIFICATE OF ANALYSIS WH15104681

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Au-ICP21 |
|---|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn | Au |
| | Units | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 | 0.001 |
| ZZ68243 | | 0.01 | <10 | <10 | 27 | <10 | 77 | 0.015 |
| ZZ68244 | | 0.01 | <10 | <10 | 22 | <10 | 124 | 0.015 |
| ZZ68245 | | 0.02 | <10 | <10 | 28 | <10 | 107 | 0.014 |
| ZZ68246 | | 0.02 | <10 | <10 | 29 | <10 | 86 | 0.009 |
| ZZ68247 | | 0.03 | <10 | <10 | 31 | <10 | 116 | 0.009 |
| ZZ68248 | | 0.03 | <10 | <10 | 45 | <10 | 77 | 0.004 |
| ZZ68249 | | 0.02 | <10 | <10 | 38 | <10 | 93 | 0.006 |
| ZZ68251 | | 0.01 | <10 | <10 | 25 | <10 | 63 | 0.016 |
| ZZ68252 | | 0.02 | <10 | <10 | 26 | <10 | 216 | 0.026 |
| ZZ68253 | | 0.01 | <10 | <10 | 26 | <10 | 67 | 0.105 |
| ZZ68254 | | 0.02 | <10 | <10 | 31 | <10 | 64 | 0.018 |
| ZZ68255 | | 0.01 | <10 | <10 | 32 | <10 | 56 | 0.044 |
| ZZ68256 | | 0.01 | <10 | <10 | 25 | <10 | 91 | 0.010 |
| ZZ68257 | | 0.01 | <10 | <10 | 23 | <10 | 142 | 0.030 |
| ZZ68258 | | <0.01 | <10 | <10 | 11 | <10 | 122 | 0.078 |
| ZZ68259 | | <0.01 | <10 | <10 | 11 | <10 | 130 | 0.057 |
| ZZ68260 | | <0.01 | <10 | <10 | 10 | <10 | 137 | 0.021 |
| ZZ68261 | | <0.01 | <10 | <10 | 11 | <10 | 192 | 0.025 |
| ZZ68262 | | 0.02 | <10 | <10 | 41 | <10 | 259 | 0.029 |
| ZZ68263 | | <0.01 | <10 | <10 | 11 | <10 | 130 | 0.025 |
| ZZ68264 | | <0.01 | <10 | <10 | 10 | <10 | 151 | 0.047 |
| ZZ68265 | | <0.01 | <10 | <10 | 11 | <10 | 158 | 0.068 |
| ZZ68266 | | 0.02 | <10 | <10 | 28 | <10 | 112 | 0.014 |
| ZZ68267 | | 0.01 | <10 | <10 | 28 | <10 | 94 | 0.011 |
| ZZ68268 | | 0.01 | <10 | <10 | 29 | <10 | 90 | 0.055 |
| ZZ68269 | | 0.01 | <10 | <10 | 31 | <10 | 69 | 0.030 |
| ZZ68270 | | 0.01 | <10 | <10 | 28 | <10 | 56 | 0.019 |
| ZZ68271 | | 0.01 | <10 | <10 | 31 | <10 | 70 | 0.174 |
| ZZ68272 | | 0.01 | <10 | <10 | 30 | <10 | 52 | 0.012 |
| ZZ68273 | | 0.01 | <10 | <10 | 27 | <10 | 101 | 0.012 |
| ZZ68274 | | 0.02 | <10 | <10 | 28 | <10 | 76 | 0.010 |
| ZZ68275 | | 0.01 | <10 | <10 | 25 | <10 | 85 | 0.019 |
| ZZ68276 | | 0.01 | <10 | <10 | 25 | <10 | 107 | 0.018 |
| ZZ68277 | | 0.04 | <10 | <10 | 44 | <10 | 92 | 0.006 |
| ZZ68278 | | 0.03 | <10 | <10 | 51 | <10 | 63 | 0.008 |
| ZZ68279 | | 0.02 | <10 | <10 | 54 | <10 | 97 | 0.012 |
| ZZ68280 | | 0.03 | <10 | <10 | 59 | <10 | 113 | 0.022 |
| ZZ68281 | | 0.03 | <10 | <10 | 57 | <10 | 82 | 0.008 |
| ZZ68282 | | 0.04 | <10 | <10 | 53 | <10 | 71 | 0.008 |
| ZZ68283 | | 0.02 | <10 | <10 | 65 | <10 | 106 | 0.006 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 30-JUL-2015**
**Account: ROCKHA**

Project: Mount Hinton

# CERTIFICATE OF ANALYSIS WH15104681

| Sample Description | Method | WEI-21 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | B | Ba | Be | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm |
| | LOR | 0.02 | 0.2 | 0.01 | 2 | 10 | 10 | 0.5 | 2 | 0.01 | 0.5 | 1 | 1 | 1 | 0.01 | 10 |
| ZZ68284 | | 0.39 | 0.2 | 2.20 | 115 | <10 | 170 | <0.5 | <2 | 0.18 | <0.5 | 18 | 28 | 122 | 5.26 | 10 |
| ZZ68285 | | 0.48 | 0.3 | 1.77 | 97 | <10 | 170 | <0.5 | <2 | 0.25 | <0.5 | 15 | 29 | 93 | 4.46 | 10 |
| ZZ68286 | | 0.52 | 0.3 | 1.72 | 95 | <10 | 140 | <0.5 | <2 | 0.16 | <0.5 | 13 | 23 | 78 | 4.14 | 10 |
| ZZ68287 | | 0.35 | 0.5 | 2.04 | 267 | <10 | 240 | 0.6 | <2 | 0.23 | <0.5 | 21 | 22 | 168 | 5.95 | 10 |
| ZZ68288 | | 0.50 | 0.2 | 1.29 | 115 | <10 | 130 | <0.5 | <2 | 0.23 | <0.5 | 14 | 21 | 113 | 3.35 | <10 |
| ZZ68289 | | 0.45 | 0.4 | 1.47 | 285 | <10 | 100 | <0.5 | <2 | 0.12 | 0.5 | 14 | 25 | 90 | 3.41 | <10 |
| ZZ68290 | | 0.29 | 0.4 | 1.25 | 231 | <10 | 120 | <0.5 | <2 | 0.11 | 0.5 | 10 | 25 | 44 | 2.98 | <10 |
| ZZ68291 | | 0.48 | 0.5 | 1.20 | 153 | <10 | 120 | <0.5 | <2 | 0.17 | 0.5 | 14 | 24 | 56 | 3.11 | <10 |
| ZZ68292 | | 0.38 | 0.5 | 1.18 | 120 | <10 | 80 | <0.5 | <2 | 0.16 | <0.5 | 15 | 25 | 57 | 3.29 | <10 |
| ZZ68293 | | 0.49 | 0.7 | 1.37 | 161 | <10 | 90 | <0.5 | <2 | 0.16 | 0.6 | 18 | 27 | 71 | 3.86 | <10 |
| ZZ68294 | | 0.40 | 0.6 | 1.23 | 137 | <10 | 80 | <0.5 | <2 | 0.18 | 0.7 | 13 | 22 | 74 | 3.27 | <10 |
| ZZ68295 | | 0.43 | 0.5 | 1.01 | 173 | <10 | 80 | <0.5 | <2 | 0.09 | 0.5 | 7 | 23 | 40 | 2.75 | <10 |
| ZZ68296 | | 0.45 | 0.4 | 1.19 | 180 | <10 | 60 | <0.5 | <2 | 0.11 | <0.5 | 8 | 23 | 38 | 2.93 | <10 |
| ZZ68297 | | 0.51 | 1.1 | 0.93 | 140 | <10 | 70 | <0.5 | <2 | 0.14 | 0.7 | 8 | 19 | 32 | 2.48 | <10 |
| ZZ68298 | | 0.47 | 0.5 | 0.69 | 129 | <10 | 50 | <0.5 | <2 | 0.12 | 0.6 | 10 | 16 | 22 | 2.10 | <10 |
| ZZ68299 | | 0.39 | 0.6 | 0.67 | 70 | <10 | 40 | <0.5 | <2 | 0.07 | <0.5 | 8 | 15 | 25 | 2.17 | <10 |
| ZZ68300 | | 0.43 | 0.4 | 0.77 | 66 | <10 | 50 | <0.5 | <2 | 0.13 | 0.6 | 13 | 17 | 29 | 2.41 | <10 |
| ZZ68301 | | 0.66 | 0.4 | 0.78 | 70 | <10 | 60 | <0.5 | <2 | 0.14 | 0.6 | 12 | 17 | 32 | 2.34 | <10 |
| ZZ68302 | | 0.47 | 0.3 | 1.57 | 77 | <10 | 120 | <0.5 | <2 | 0.11 | <0.5 | 13 | 27 | 50 | 3.11 | 10 |
| ZZ68303 | | 0.47 | 0.4 | 1.13 | 109 | <10 | 90 | <0.5 | <2 | 0.14 | <0.5 | 10 | 22 | 39 | 2.80 | <10 |
| ZZ68304 | | 0.56 | 0.3 | 0.88 | 152 | <10 | 100 | <0.5 | <2 | 0.17 | <0.5 | 10 | 18 | 40 | 2.77 | <10 |
| ZZ68305 | | 0.37 | 1.4 | 1.20 | 133 | <10 | 130 | <0.5 | <2 | 0.12 | 0.5 | 7 | 23 | 36 | 2.82 | <10 |
| ZZ68306 | | 0.36 | 0.6 | 0.66 | 80 | <10 | 80 | <0.5 | <2 | 0.47 | 2.2 | 9 | 13 | 22 | 2.31 | <10 |
| ZZ68307 | | 0.53 | 0.2 | 1.49 | 24 | <10 | 140 | <0.5 | <2 | 0.12 | <0.5 | 8 | 26 | 23 | 2.62 | 10 |
| ZZ68308 | | 0.41 | 1.3 | 0.79 | 52 | <10 | 60 | <0.5 | <2 | 0.17 | 0.6 | 8 | 19 | 26 | 2.26 | <10 |
| ZZ68309 | | 0.36 | 0.4 | 0.89 | 35 | <10 | 40 | <0.5 | <2 | 0.04 | <0.5 | 4 | 20 | 21 | 1.92 | <10 |
| ZZ68310 | | 0.39 | 0.6 | 0.75 | 24 | <10 | 50 | <0.5 | <2 | 0.04 | <0.5 | 4 | 19 | 20 | 2.15 | <10 |
| ZZ68311 | | 0.38 | 0.7 | 0.70 | 36 | <10 | 60 | <0.5 | <2 | 0.17 | <0.5 | 7 | 17 | 25 | 2.16 | <10 |
| ZZ68312 | | 0.42 | 0.6 | 0.89 | 74 | <10 | 60 | <0.5 | <2 | 0.15 | 0.5 | 10 | 20 | 35 | 2.54 | <10 |
| ZZ68313 | | 0.40 | 0.6 | 0.92 | 35 | <10 | 90 | <0.5 | <2 | 0.11 | <0.5 | 5 | 21 | 29 | 2.34 | <10 |
| ZZ68314 | | 0.31 | 0.4 | 0.99 | 29 | <10 | 80 | <0.5 | <2 | 0.14 | <0.5 | 6 | 21 | 33 | 2.39 | <10 |
| ZZ68315 | | 0.53 | 0.8 | 1.09 | 32 | <10 | 90 | <0.5 | <2 | 0.12 | <0.5 | 8 | 23 | 55 | 2.72 | <10 |
| ZZ68316 | | 0.43 | 0.3 | 1.06 | 30 | <10 | 90 | <0.5 | <2 | 0.10 | <0.5 | 6 | 23 | 31 | 2.49 | <10 |
| ZZ68317 | | 0.40 | 1.2 | 1.02 | 76 | <10 | 70 | <0.5 | <2 | 0.08 | <0.5 | 5 | 22 | 35 | 2.84 | <10 |
| ZZ68318 | | 0.37 | 0.9 | 1.10 | 53 | <10 | 80 | <0.5 | <2 | 0.07 | <0.5 | 7 | 22 | 34 | 2.78 | <10 |
| ZZ68319 | | 0.38 | 0.4 | 1.00 | 27 | <10 | 100 | <0.5 | <2 | 0.10 | <0.5 | 7 | 25 | 27 | 2.45 | <10 |
| ZZ68320 | | 0.35 | 0.7 | 1.11 | 32 | <10 | 70 | <0.5 | <2 | 0.06 | <0.5 | 5 | 24 | 26 | 2.88 | 10 |
| ZZ68321 | | 0.41 | 1.3 | 0.94 | 99 | <10 | 60 | <0.5 | <2 | 0.05 | <0.5 | 6 | 20 | 28 | 2.50 | <10 |
| ZZ68322 | | 0.45 | 4.9 | 0.84 | 195 | <10 | 30 | <0.5 | <2 | 0.09 | 2.0 | 16 | 24 | 45 | 2.86 | <10 |
| ZZ68323 | | 0.47 | 1.3 | 1.34 | 117 | <10 | 60 | <0.5 | <2 | 0.07 | <0.5 | 6 | 29 | 42 | 3.54 | <10 |

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

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To: **ROCKHAVEN RESOURCES LTD.**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
**1016 - 510 W HASTINGS STREET**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 30-JUL-2015**
**Account: ROCKHA**

Project: Mount Hinton

# CERTIFICATE OF ANALYSIS WH15104681

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Hg | K | La | Mg | Mn | Mo | Na | Ni | P | Pb | S | Sb | Sc | Sr | Th |
| | Units | ppm | % | ppm | % | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOR | 1 | 0.01 | 10 | 0.01 | 5 | 1 | 0.01 | 1 | 10 | 2 | 0.01 | 2 | 1 | 1 | 20 |
| ZZ68284 | | <1 | 0.05 | 10 | 0.68 | 719 | 1 | 0.01 | 36 | 1190 | 17 | 0.05 | 4 | 2 | 19 | <20 |
| ZZ68285 | | 1 | 0.06 | 10 | 0.57 | 668 | 2 | 0.01 | 31 | 950 | 13 | 0.05 | 3 | 2 | 22 | <20 |
| ZZ68286 | | <1 | 0.05 | 10 | 0.48 | 632 | 1 | 0.01 | 22 | 710 | 15 | 0.04 | 2 | 2 | 18 | <20 |
| ZZ68287 | | <1 | 0.08 | 10 | 0.67 | 1020 | 2 | 0.02 | 34 | 990 | 56 | 0.04 | 4 | 3 | 29 | <20 |
| ZZ68288 | | 1 | 0.05 | 10 | 0.46 | 537 | 1 | 0.01 | 32 | 870 | 18 | 0.01 | <2 | 3 | 17 | <20 |
| ZZ68289 | | <1 | 0.03 | 20 | 0.46 | 496 | 1 | 0.01 | 40 | 780 | 39 | 0.03 | 6 | 2 | 14 | <20 |
| ZZ68290 | | <1 | 0.04 | 20 | 0.32 | 281 | 1 | 0.01 | 32 | 790 | 34 | 0.05 | 6 | 1 | 13 | <20 |
| ZZ68291 | | 1 | 0.03 | 30 | 0.33 | 405 | 1 | 0.01 | 40 | 930 | 25 | 0.02 | <2 | 3 | 15 | <20 |
| ZZ68292 | | <1 | 0.03 | 30 | 0.32 | 386 | 1 | 0.01 | 49 | 1080 | 29 | 0.03 | 4 | 3 | 14 | <20 |
| ZZ68293 | | 1 | 0.03 | 30 | 0.42 | 598 | 1 | 0.01 | 54 | 1150 | 31 | 0.03 | 3 | 4 | 16 | <20 |
| ZZ68294 | | <1 | 0.04 | 20 | 0.33 | 486 | 2 | 0.01 | 37 | 1190 | 17 | 0.04 | 4 | 2 | 18 | <20 |
| ZZ68295 | | <1 | 0.04 | 20 | 0.27 | 341 | 1 | 0.01 | 26 | 710 | 23 | 0.03 | 4 | 3 | 14 | <20 |
| ZZ68296 | | <1 | 0.04 | 10 | 0.28 | 250 | 2 | 0.01 | 29 | 1040 | 26 | 0.04 | 2 | 1 | 12 | <20 |
| ZZ68297 | | <1 | 0.03 | 20 | 0.21 | 285 | 3 | 0.01 | 30 | 1030 | 19 | 0.02 | 3 | 2 | 21 | <20 |
| ZZ68298 | | <1 | 0.02 | 10 | 0.11 | 380 | 1 | 0.01 | 34 | 890 | 15 | 0.02 | 3 | 1 | 17 | <20 |
| ZZ68299 | | 1 | 0.02 | 10 | 0.12 | 151 | 2 | 0.01 | 32 | 850 | 13 | 0.01 | 4 | 1 | 14 | <20 |
| ZZ68300 | | 1 | 0.02 | 10 | 0.15 | 280 | 1 | 0.01 | 42 | 870 | 15 | 0.01 | 4 | 1 | 13 | <20 |
| ZZ68301 | | 1 | 0.02 | 10 | 0.17 | 253 | 1 | 0.01 | 42 | 880 | 14 | <0.01 | 3 | 2 | 15 | <20 |
| ZZ68302 | | 1 | 0.04 | 10 | 0.46 | 460 | 1 | 0.01 | 32 | 710 | 17 | 0.02 | 4 | 2 | 12 | <20 |
| ZZ68303 | | <1 | 0.03 | 20 | 0.33 | 335 | 1 | 0.01 | 32 | 800 | 18 | 0.02 | 2 | 2 | 13 | <20 |
| ZZ68304 | | 1 | 0.03 | 20 | 0.28 | 312 | 1 | 0.01 | 28 | 870 | 16 | 0.01 | <2 | 3 | 14 | <20 |
| ZZ68305 | | <1 | 0.03 | 10 | 0.31 | 215 | 2 | 0.01 | 26 | 1000 | 70 | 0.03 | 6 | 1 | 19 | <20 |
| ZZ68306 | | 1 | 0.02 | 10 | 0.15 | 344 | 1 | 0.01 | 29 | 1020 | 50 | 0.05 | 5 | 1 | 20 | <20 |
| ZZ68307 | | 1 | 0.04 | 20 | 0.31 | 277 | 1 | 0.01 | 24 | 750 | 19 | 0.02 | 2 | 1 | 13 | <20 |
| ZZ68308 | | 1 | 0.02 | 20 | 0.21 | 268 | 2 | 0.01 | 23 | 940 | 40 | 0.03 | <2 | 1 | 13 | <20 |
| ZZ68309 | | <1 | 0.03 | 10 | 0.14 | 203 | 1 | 0.01 | 15 | 1000 | 29 | 0.05 | 2 | <1 | 10 | <20 |
| ZZ68310 | | 1 | 0.03 | 20 | 0.13 | 131 | 2 | 0.01 | 14 | 1230 | 28 | 0.07 | 5 | <1 | 13 | <20 |
| ZZ68311 | | <1 | 0.03 | 20 | 0.17 | 230 | 1 | 0.01 | 22 | 1120 | 21 | 0.06 | <2 | 1 | 14 | <20 |
| ZZ68312 | | 1 | 0.03 | 20 | 0.21 | 289 | 1 | 0.01 | 30 | 1090 | 24 | 0.05 | 2 | 1 | 17 | <20 |
| ZZ68313 | | 1 | 0.03 | 20 | 0.18 | 174 | 1 | 0.01 | 18 | 1040 | 25 | 0.05 | 5 | 1 | 18 | <20 |
| ZZ68314 | | 1 | 0.03 | 20 | 0.21 | 162 | 1 | 0.01 | 22 | 980 | 17 | 0.05 | <2 | <1 | 20 | <20 |
| ZZ68315 | | <1 | 0.03 | 30 | 0.22 | 203 | 2 | 0.01 | 29 | 1120 | 23 | 0.04 | 4 | 2 | 22 | <20 |
| ZZ68316 | | <1 | 0.03 | 30 | 0.20 | 215 | 2 | 0.01 | 19 | 940 | 18 | 0.04 | 3 | 1 | 19 | <20 |
| ZZ68317 | | 1 | 0.04 | 30 | 0.19 | 195 | 1 | 0.01 | 19 | 1100 | 171 | 0.08 | 7 | 1 | 21 | <20 |
| ZZ68318 | | <1 | 0.04 | 20 | 0.21 | 234 | 1 | 0.01 | 23 | 1300 | 74 | 0.07 | 4 | 1 | 17 | <20 |
| ZZ68319 | | <1 | 0.03 | 20 | 0.24 | 228 | 1 | 0.02 | 20 | 930 | 38 | 0.06 | 4 | 1 | 15 | <20 |
| ZZ68320 | | <1 | 0.03 | 20 | 0.22 | 197 | 1 | 0.02 | 17 | 1170 | 44 | 0.07 | 3 | <1 | 12 | <20 |
| ZZ68321 | | <1 | 0.03 | 20 | 0.18 | 175 | <1 | 0.01 | 21 | 860 | 82 | 0.06 | 3 | 1 | 18 | <20 |
| ZZ68322 | | <1 | 0.02 | 10 | 0.29 | 419 | 1 | 0.01 | 46 | 830 | 302 | 0.03 | 8 | 2 | 27 | <20 |
| ZZ68323 | | <1 | 0.04 | 20 | 0.33 | 234 | 2 | 0.01 | 22 | 1350 | 117 | 0.06 | 5 | 1 | 11 | <20 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 30-JUL-2015**
**Account: ROCKHA**

Project: Mount Hinton

# CERTIFICATE OF ANALYSIS WH15104681

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Au-ICP21 |
|---|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn | Au |
| | Units | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 | 0.001 |
| ZZ68284 | | 0.02 | <10 | <10 | 72 | <10 | 111 | 0.175 |
| ZZ68285 | | 0.03 | <10 | <10 | 58 | <10 | 89 | 0.008 |
| ZZ68286 | | 0.04 | <10 | <10 | 61 | <10 | 86 | 0.011 |
| ZZ68287 | | 0.02 | <10 | <10 | 60 | <10 | 151 | 0.033 |
| ZZ68288 | | 0.06 | <10 | <10 | 53 | <10 | 93 | 0.049 |
| ZZ68289 | | 0.03 | <10 | <10 | 45 | <10 | 112 | 0.447 |
| ZZ68290 | | 0.02 | <10 | <10 | 44 | <10 | 97 | 0.114 |
| ZZ68291 | | 0.03 | <10 | <10 | 41 | <10 | 116 | 0.100 |
| ZZ68292 | | 0.02 | <10 | <10 | 35 | <10 | 127 | 0.052 |
| ZZ68293 | | 0.02 | <10 | <10 | 40 | <10 | 150 | 0.107 |
| ZZ68294 | | 0.04 | <10 | <10 | 44 | <10 | 119 | 0.037 |
| ZZ68295 | | 0.04 | <10 | <10 | 37 | <10 | 81 | 0.061 |
| ZZ68296 | | 0.02 | <10 | <10 | 39 | <10 | 101 | 0.142 |
| ZZ68297 | | 0.03 | <10 | <10 | 29 | <10 | 110 | 0.027 |
| ZZ68298 | | 0.01 | <10 | <10 | 17 | <10 | 109 | 0.012 |
| ZZ68299 | | 0.01 | <10 | <10 | 16 | <10 | 127 | 0.019 |
| ZZ68300 | | 0.01 | <10 | <10 | 20 | <10 | 131 | 0.022 |
| ZZ68301 | | 0.01 | <10 | <10 | 18 | <10 | 121 | 0.021 |
| ZZ68302 | | 0.04 | <10 | <10 | 48 | <10 | 91 | 0.020 |
| ZZ68303 | | 0.03 | <10 | <10 | 41 | <10 | 95 | 0.019 |
| ZZ68304 | | 0.04 | <10 | <10 | 39 | <10 | 87 | 0.248 |
| ZZ68305 | | 0.01 | <10 | <10 | 30 | <10 | 109 | 0.011 |
| ZZ68306 | | 0.01 | <10 | <10 | 16 | <10 | 225 | 0.007 |
| ZZ68307 | | 0.02 | <10 | <10 | 45 | <10 | 75 | 0.003 |
| ZZ68308 | | 0.01 | <10 | <10 | 22 | <10 | 103 | 0.012 |
| ZZ68309 | | 0.01 | <10 | <10 | 30 | <10 | 59 | 0.011 |
| ZZ68310 | | 0.01 | <10 | <10 | 29 | <10 | 49 | <0.001 |
| ZZ68311 | | 0.01 | <10 | <10 | 21 | <10 | 75 | 0.005 |
| ZZ68312 | | 0.01 | <10 | <10 | 23 | <10 | 95 | 0.014 |
| ZZ68313 | | 0.01 | <10 | <10 | 30 | <10 | 50 | 0.016 |
| ZZ68314 | | 0.01 | <10 | <10 | 31 | <10 | 57 | 0.005 |
| ZZ68315 | | 0.01 | <10 | <10 | 31 | <10 | 64 | 0.014 |
| ZZ68316 | | 0.01 | <10 | <10 | 32 | <10 | 52 | 0.019 |
| ZZ68317 | | 0.01 | <10 | <10 | 31 | <10 | 58 | 0.047 |
| ZZ68318 | | 0.01 | <10 | <10 | 31 | <10 | 75 | 0.027 |
| ZZ68319 | | 0.01 | <10 | <10 | 32 | <10 | 72 | 0.011 |
| ZZ68320 | | 0.01 | <10 | <10 | 34 | <10 | 64 | 0.008 |
| ZZ68321 | | 0.01 | <10 | <10 | 27 | <10 | 101 | 0.011 |
| ZZ68322 | | 0.01 | <10 | <10 | 23 | <10 | 200 | 0.045 |
| ZZ68323 | | 0.02 | <10 | <10 | 43 | <10 | 88 | 0.023 |

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

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**Finalized Date: 30-JUL-2015**
**Account: ROCKHA**

Project: Mount Hinton

# CERTIFICATE OF ANALYSIS WH15104681

| Sample Description | Method | WEI-21 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | B | Ba | Be | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm |
| | LOR | 0.02 | 0.2 | 0.01 | 2 | 10 | 10 | 0.5 | 2 | 0.01 | 0.5 | 1 | 1 | 1 | 0.01 | 10 |
| ZZ68324 | | 0.41 | 9.8 | 0.81 | 227 | <10 | 50 | <0.5 | 2 | 0.07 | 0.8 | 9 | 19 | 36 | 2.87 | <10 |
| ZZ68325 | | 0.47 | 2.9 | 1.01 | 58 | <10 | 100 | <0.5 | <2 | 0.13 | 0.7 | 9 | 19 | 19 | 2.91 | <10 |
| ZZ68326 | | 0.38 | 6.6 | 0.97 | 482 | <10 | 70 | <0.5 | <2 | 0.06 | 0.8 | 6 | 21 | 38 | 3.23 | <10 |
| ZZ68327 | | 0.45 | 2.1 | 1.03 | 130 | <10 | 70 | <0.5 | 2 | 0.08 | 0.7 | 8 | 22 | 35 | 2.85 | <10 |
| ZZ68328 | | 0.36 | 1.1 | 0.87 | 105 | <10 | 70 | <0.5 | <2 | 0.08 | 0.8 | 7 | 19 | 27 | 2.61 | <10 |
| ZZ68329 | | 0.38 | 1.0 | 1.61 | 51 | <10 | 100 | <0.5 | <2 | 0.14 | 0.6 | 13 | 31 | 39 | 3.78 | 10 |
| ZZ68330 | | 0.39 | 1.8 | 1.64 | 33 | <10 | 90 | <0.5 | <2 | 0.09 | <0.5 | 10 | 33 | 56 | 3.81 | 10 |
| ZZ68331 | | 0.41 | 0.5 | 0.93 | 23 | <10 | 80 | <0.5 | <2 | 0.07 | <0.5 | 6 | 21 | 35 | 2.39 | <10 |
| ZZ68332 | | 0.42 | 0.3 | 1.02 | 27 | <10 | 80 | <0.5 | <2 | 0.13 | <0.5 | 7 | 22 | 27 | 2.34 | <10 |
| ZZ68333 | | 0.37 | 0.3 | 0.97 | 35 | <10 | 90 | <0.5 | <2 | 0.15 | <0.5 | 6 | 23 | 28 | 2.35 | <10 |
| ZZ68334 | | 0.36 | 0.2 | 1.07 | 35 | <10 | 80 | <0.5 | <2 | 0.10 | <0.5 | 8 | 27 | 50 | 3.00 | <10 |
| ZZ68335 | | 0.44 | 0.2 | 1.37 | 24 | <10 | 140 | <0.5 | <2 | 0.25 | <0.5 | 7 | 29 | 52 | 2.37 | 10 |
| ZZ68336 | | 0.35 | 0.4 | 1.43 | 42 | <10 | 60 | 0.5 | <2 | 0.09 | 0.5 | 15 | 24 | 56 | 3.56 | <10 |
| ZZ68337 | | 0.45 | 0.6 | 1.20 | 34 | <10 | 70 | <0.5 | <2 | 0.08 | <0.5 | 12 | 22 | 47 | 3.01 | <10 |
| ZZ68338 | | 0.40 | 1.3 | 0.93 | 33 | <10 | 80 | <0.5 | <2 | 0.12 | <0.5 | 8 | 22 | 38 | 2.67 | <10 |
| ZZ68339 | | 0.38 | 1.0 | 1.07 | 58 | <10 | 70 | <0.5 | <2 | 0.07 | <0.5 | 7 | 23 | 27 | 2.51 | <10 |
| ZZ68340 | | 0.34 | 0.5 | 0.75 | 56 | <10 | 70 | <0.5 | <2 | 0.13 | <0.5 | 6 | 17 | 19 | 2.12 | <10 |
| ZZ68341 | | 0.37 | 0.6 | 0.51 | 83 | <10 | 40 | <0.5 | <2 | 0.22 | 1.4 | 10 | 11 | 22 | 2.20 | <10 |
| ZZ68342 | | 0.55 | 0.6 | 2.73 | 114 | <10 | 140 | <0.5 | 2 | 0.43 | <0.5 | 58 | 51 | 350 | 7.25 | 10 |
| ZZ68343 | | 0.53 | 0.8 | 2.57 | 125 | <10 | 90 | 0.6 | <2 | 0.17 | <0.5 | 68 | 51 | 345 | 7.11 | <10 |
| ZZ68344 | | 0.46 | 9.3 | 1.02 | 132 | <10 | 40 | 0.5 | <2 | 0.14 | 1.8 | 22 | 21 | 66 | 4.37 | <10 |
| ZZ68345 | | 0.36 | 1.1 | 1.11 | 71 | <10 | 50 | <0.5 | <2 | 0.13 | <0.5 | 16 | 26 | 110 | 2.99 | <10 |
| ZZ68346 | | 0.39 | 0.9 | 0.50 | 77 | <10 | 30 | <0.5 | <2 | 0.10 | 0.8 | 11 | 12 | 35 | 2.22 | <10 |
| ZZ68347 | | 0.45 | 0.9 | 0.46 | 47 | <10 | 20 | <0.5 | <2 | 0.15 | 1.0 | 11 | 12 | 35 | 2.10 | <10 |
| ZZ68348 | | 0.41 | 0.6 | 0.39 | 55 | <10 | 20 | <0.5 | <2 | 0.13 | 0.6 | 9 | 12 | 28 | 1.70 | <10 |
| ZZ68349 | | 0.44 | 0.6 | 0.56 | 31 | <10 | 30 | <0.5 | <2 | 0.11 | <0.5 | 9 | 16 | 32 | 1.89 | <10 |
| ZZ68350 | | 0.45 | 0.5 | 0.47 | 23 | <10 | 30 | <0.5 | <2 | 0.11 | <0.5 | 6 | 12 | 24 | 1.77 | <10 |
| ZZ68351 | | 0.36 | 0.5 | 0.61 | 17 | <10 | 50 | <0.5 | <2 | 0.04 | <0.5 | 6 | 16 | 25 | 2.20 | <10 |
| ZZ68352 | | 0.42 | 0.6 | 1.16 | 28 | <10 | 100 | <0.5 | <2 | 0.11 | <0.5 | 9 | 25 | 79 | 3.01 | <10 |
| ZZ68353 | | 0.52 | 2.2 | 1.01 | 162 | <10 | 70 | <0.5 | <2 | 0.13 | 0.9 | 12 | 21 | 41 | 2.90 | <10 |
| ZZ68354 | | 0.45 | <0.2 | 1.54 | 31 | <10 | 60 | <0.5 | <2 | 0.06 | <0.5 | 7 | 26 | 18 | 2.91 | 10 |
| ZZ68355 | | 0.43 | 0.2 | 1.36 | 13 | <10 | 70 | <0.5 | <2 | 0.06 | <0.5 | 5 | 23 | 15 | 2.51 | 10 |
| ZZ68356 | | 0.57 | <0.2 | 1.72 | 14 | <10 | 90 | <0.5 | <2 | 0.08 | <0.5 | 9 | 26 | 13 | 2.79 | 10 |

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

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# CERTIFICATE OF ANALYSIS WH15104681

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Hg | K | La | Mg | Mn | Mo | Na | Ni | P | Pb | S | Sb | Sc | Sr | Th |
| | Units | ppm | % | ppm | % | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOR | 1 | 0.01 | 10 | 0.01 | 5 | 1 | 0.01 | 1 | 10 | 2 | 0.01 | 2 | 1 | 1 | 20 |
| ZZ68324 | | <1 | 0.03 | 10 | 0.15 | 298 | 3 | 0.01 | 34 | 1070 | 261 | 0.06 | 10 | 1 | 13 | <20 |
| ZZ68325 | | <1 | 0.03 | 10 | 0.21 | 392 | 1 | 0.01 | 28 | 1080 | 238 | 0.03 | 4 | 1 | 16 | <20 |
| ZZ68326 | | <1 | 0.04 | 20 | 0.20 | 198 | 2 | 0.01 | 24 | 990 | 274 | 0.08 | 11 | 1 | 13 | <20 |
| ZZ68327 | | 1 | 0.03 | 20 | 0.22 | 257 | 1 | 0.01 | 28 | 920 | 181 | 0.04 | 6 | 1 | 17 | <20 |
| ZZ68328 | | 1 | 0.03 | 10 | 0.16 | 223 | 1 | 0.01 | 25 | 790 | 73 | 0.04 | 2 | 1 | 19 | <20 |
| ZZ68329 | | 1 | 0.05 | 20 | 0.40 | 379 | 2 | 0.01 | 35 | 1280 | 73 | 0.05 | 5 | 2 | 15 | <20 |
| ZZ68330 | | <1 | 0.05 | 20 | 0.35 | 350 | 2 | 0.01 | 27 | 1600 | 130 | 0.05 | 3 | 1 | 14 | <20 |
| ZZ68331 | | <1 | 0.03 | 20 | 0.18 | 165 | 2 | 0.01 | 21 | 970 | 20 | 0.06 | 4 | 1 | 22 | <20 |
| ZZ68332 | | 1 | 0.03 | 20 | 0.20 | 206 | 1 | 0.01 | 21 | 1230 | 22 | 0.06 | 4 | 1 | 18 | <20 |
| ZZ68333 | | <1 | 0.03 | 30 | 0.20 | 236 | 1 | 0.01 | 17 | 1360 | 20 | 0.07 | 6 | 1 | 21 | <20 |
| ZZ68334 | | 1 | 0.03 | 20 | 0.27 | 247 | 2 | 0.01 | 22 | 1030 | 17 | 0.05 | 5 | 1 | 18 | <20 |
| ZZ68335 | | <1 | 0.04 | 20 | 0.34 | 226 | 1 | 0.01 | 21 | 1630 | 16 | 0.10 | <2 | 1 | 24 | <20 |
| ZZ68336 | | <1 | 0.03 | 20 | 0.21 | 363 | 1 | 0.01 | 46 | 1210 | 20 | 0.05 | 2 | 1 | 10 | <20 |
| ZZ68337 | | <1 | 0.03 | 20 | 0.21 | 292 | 1 | 0.01 | 36 | 1280 | 26 | 0.04 | 2 | 1 | 13 | <20 |
| ZZ68338 | | <1 | 0.03 | 30 | 0.20 | 235 | 2 | 0.01 | 26 | 1150 | 39 | 0.06 | 5 | 2 | 21 | <20 |
| ZZ68339 | | <1 | 0.03 | 20 | 0.21 | 244 | 1 | 0.01 | 22 | 1050 | 47 | 0.05 | 2 | 1 | 12 | <20 |
| ZZ68340 | | <1 | 0.03 | 10 | 0.15 | 239 | 1 | 0.01 | 19 | 1140 | 27 | 0.07 | <2 | <1 | 12 | <20 |
| ZZ68341 | | 1 | 0.02 | 10 | 0.11 | 319 | 1 | 0.01 | 30 | 970 | 46 | 0.05 | 6 | 1 | 12 | <20 |
| ZZ68342 | | <1 | 0.04 | 30 | 1.11 | 1125 | 1 | 0.01 | 118 | 1690 | 17 | 0.05 | 4 | 7 | 21 | <20 |
| ZZ68343 | | <1 | 0.03 | 50 | 0.70 | 780 | 3 | 0.01 | 160 | 1870 | 17 | 0.12 | 5 | 4 | 18 | <20 |
| ZZ68344 | | 1 | 0.03 | 20 | 0.18 | 683 | 3 | 0.01 | 61 | 1450 | 469 | 0.06 | 12 | 2 | 16 | <20 |
| ZZ68345 | | <1 | 0.03 | 10 | 0.33 | 430 | 2 | 0.01 | 34 | 1300 | 57 | 0.04 | 5 | 2 | 14 | <20 |
| ZZ68346 | | <1 | 0.01 | 10 | 0.11 | 253 | 1 | <0.01 | 29 | 900 | 49 | 0.02 | 3 | 1 | 8 | <20 |
| ZZ68347 | | 1 | 0.01 | 10 | 0.10 | 215 | 2 | 0.01 | 32 | 880 | 47 | 0.02 | 5 | 1 | 10 | <20 |
| ZZ68348 | | 1 | 0.01 | 10 | 0.09 | 163 | 1 | <0.01 | 26 | 770 | 29 | 0.02 | 2 | 1 | 9 | <20 |
| ZZ68349 | | 1 | 0.01 | 10 | 0.16 | 205 | 2 | 0.01 | 28 | 780 | 14 | 0.02 | <2 | 1 | 11 | <20 |
| ZZ68350 | | 1 | 0.01 | 10 | 0.08 | 159 | 1 | 0.01 | 21 | 830 | 13 | 0.01 | <2 | 1 | 10 | <20 |
| ZZ68351 | | <1 | 0.02 | 10 | 0.09 | 156 | 1 | 0.01 | 22 | 810 | 19 | 0.05 | <2 | <1 | 9 | <20 |
| ZZ68352 | | <1 | 0.04 | 20 | 0.25 | 337 | 2 | 0.01 | 21 | 1330 | 15 | 0.05 | 2 | 1 | 16 | <20 |
| ZZ68353 | | <1 | 0.03 | 10 | 0.25 | 215 | 2 | 0.01 | 42 | 1000 | 147 | 0.02 | 6 | 2 | 18 | <20 |
| ZZ68354 | | <1 | 0.03 | 10 | 0.36 | 252 | 1 | 0.01 | 19 | 400 | 22 | 0.04 | 3 | 1 | 8 | <20 |
| ZZ68355 | | <1 | 0.03 | 10 | 0.29 | 192 | 1 | 0.01 | 15 | 570 | 16 | 0.05 | 5 | 1 | 8 | <20 |
| ZZ68356 | | <1 | 0.04 | 10 | 0.39 | 375 | 1 | 0.01 | 18 | 520 | 14 | 0.03 | <2 | 1 | 9 | <20 |

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

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
**1016 - 510 W HASTINGS STREET**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 30-JUL-2015**
**Account: ROCKHA**

Project: Mount Hinton

# CERTIFICATE OF ANALYSIS WH15104681

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Au-ICP21 |
|---|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn | Au |
| | Units | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 | 0.001 |
| ZZ68324 | | 0.01 | <10 | <10 | 20 | <10 | 139 | 0.108 |
| ZZ68325 | | 0.02 | <10 | <10 | 30 | <10 | 166 | 0.012 |
| ZZ68326 | | 0.02 | <10 | <10 | 29 | <10 | 118 | 0.187 |
| ZZ68327 | | 0.02 | <10 | <10 | 30 | <10 | 139 | 0.035 |
| ZZ68328 | | 0.01 | <10 | <10 | 25 | <10 | 116 | 0.025 |
| ZZ68329 | | 0.03 | <10 | <10 | 42 | <10 | 104 | 0.025 |
| ZZ68330 | | 0.02 | <10 | <10 | 48 | <10 | 100 | 0.019 |
| ZZ68331 | | 0.01 | <10 | <10 | 28 | <10 | 58 | 0.013 |
| ZZ68332 | | 0.01 | <10 | <10 | 29 | <10 | 66 | 0.006 |
| ZZ68333 | | 0.01 | <10 | <10 | 31 | <10 | 56 | 0.011 |
| ZZ68334 | | 0.02 | <10 | <10 | 39 | <10 | 53 | 0.006 |
| ZZ68335 | | 0.02 | <10 | <10 | 40 | <10 | 67 | 0.008 |
| ZZ68336 | | 0.02 | <10 | <10 | 33 | <10 | 94 | 0.006 |
| ZZ68337 | | 0.02 | <10 | <10 | 31 | <10 | 85 | 0.010 |
| ZZ68338 | | 0.01 | <10 | <10 | 23 | <10 | 71 | 0.010 |
| ZZ68339 | | 0.01 | <10 | <10 | 30 | <10 | 86 | 0.013 |
| ZZ68340 | | 0.01 | <10 | <10 | 24 | <10 | 75 | 0.027 |
| ZZ68341 | | <0.01 | <10 | <10 | 14 | <10 | 195 | 0.012 |
| ZZ68342 | | 0.03 | <10 | <10 | 117 | <10 | 118 | 0.039 |
| ZZ68343 | | 0.02 | <10 | <10 | 65 | <10 | 132 | 0.020 |
| ZZ68344 | | <0.01 | <10 | <10 | 22 | <10 | 251 | 0.037 |
| ZZ68345 | | 0.01 | <10 | <10 | 31 | <10 | 98 | 0.032 |
| ZZ68346 | | <0.01 | <10 | <10 | 12 | <10 | 102 | 0.013 |
| ZZ68347 | | <0.01 | <10 | <10 | 11 | <10 | 104 | 0.015 |
| ZZ68348 | | <0.01 | <10 | <10 | 9 | <10 | 75 | 0.017 |
| ZZ68349 | | <0.01 | <10 | <10 | 15 | <10 | 60 | 0.039 |
| ZZ68350 | | <0.01 | <10 | <10 | 14 | <10 | 53 | 0.005 |
| ZZ68351 | | 0.01 | <10 | <10 | 24 | <10 | 59 | 0.005 |
| ZZ68352 | | 0.01 | <10 | <10 | 37 | <10 | 52 | 0.006 |
| ZZ68353 | | 0.01 | <10 | <10 | 24 | <10 | 176 | 0.017 |
| ZZ68354 | | 0.04 | <10 | <10 | 45 | <10 | 72 | 0.002 |
| ZZ68355 | | 0.04 | <10 | <10 | 52 | <10 | 56 | 0.001 |
| ZZ68356 | | 0.03 | <10 | <10 | 51 | <10 | 75 | 0.001 |

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

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To: **ROCKHAVEN RESOURCES LTD.**
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**1016 - 510 W HASTINGS STREET**
**VANCOUVER BC V6B 1L8**

Project: Mount Hinton


**Finalized Date: 30-JUL-2015**
**Account: ROCKHA**

# CERTIFICATE OF ANALYSIS WH15104681

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
LOG-22 SCR-41 WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-ICP21 ME-ICP41

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**Finalized Date: 30-JUL-2015**
**Account: ROCKHA**

# CERTIFICATE WH15106347

Project: Mount Hinton

This report is for 52 Soil samples submitted to our lab in Whitehorse, YT, Canada on 21-JUL-2015.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| MATT DUMALA | JOAN MARIACHER | JARED TARSWELL |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-22 | Sample login - Rcd w/o BarCode |
| SCR-41 | Screen to -180um and save both |

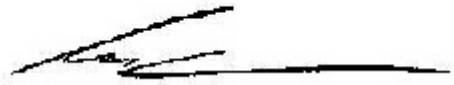
## ANALYTICAL PROCEDURES

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

To: **ROCKHAVEN RESOURCES LTD.**
**ATTN: JOAN MARIACHER**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
**1016 - 510 W HASTINGS STREET**
**VANCOUVER BC V6B 1L8**

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

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

**Signature:** 

Colin Ramshaw, Vancouver Laboratory Manager

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 30-JUL-2015**
**Account: ROCKHA**

Project: Mount Hinton

# CERTIFICATE OF ANALYSIS WH15106347

| Sample Description | Method | WEI-21 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | B | Ba | Be | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm |
| | LOR | 0.02 | 0.2 | 0.01 | 2 | 10 | 10 | 0.5 | 2 | 0.01 | 0.5 | 1 | 1 | 1 | 0.01 | 10 |
| ZZ49592 | | 0.40 | 2.1 | 0.88 | 155 | <10 | 60 | <0.5 | <2 | 0.10 | 0.8 | 13 | 20 | 34 | 2.99 | <10 |
| ZZ49593 | | 0.43 | 3.5 | 0.81 | 176 | <10 | 50 | <0.5 | <2 | 0.11 | 0.7 | 8 | 18 | 35 | 2.84 | <10 |
| ZZ49594 | | 0.43 | 2.2 | 0.74 | 123 | <10 | 50 | <0.5 | 2 | 0.14 | 1.4 | 10 | 16 | 43 | 2.62 | <10 |
| ZZ49595 | | 0.42 | 2.9 | 1.09 | 144 | <10 | 60 | 0.5 | 3 | 0.15 | 1.3 | 15 | 23 | 52 | 3.71 | <10 |
| ZZ49596 | | 0.47 | 3.5 | 0.93 | 118 | <10 | 50 | <0.5 | 2 | 0.20 | 2.9 | 18 | 20 | 55 | 3.85 | <10 |
| ZZ49597 | | 0.46 | 4.2 | 1.05 | 114 | <10 | 60 | <0.5 | <2 | 0.25 | 3.9 | 18 | 24 | 61 | 3.68 | <10 |
| ZZ49598 | | 0.45 | 0.6 | 1.73 | 64 | <10 | 110 | <0.5 | 2 | 0.12 | 0.7 | 11 | 28 | 30 | 2.88 | 10 |
| ZZ49599 | | 0.48 | 1.8 | 1.03 | 106 | <10 | 60 | <0.5 | 2 | 0.14 | 1.1 | 12 | 20 | 40 | 2.82 | <10 |
| ZZ49600 | | 0.42 | 0.6 | 1.78 | 81 | <10 | 120 | <0.5 | 3 | 0.11 | 0.7 | 9 | 29 | 71 | 3.13 | 10 |
| ZZ49601 | | 0.40 | 0.3 | 1.93 | 42 | <10 | 110 | 0.5 | 2 | 0.09 | 0.6 | 11 | 33 | 43 | 3.19 | 10 |
| ZZ49602 | | 0.41 | 0.4 | 1.59 | 45 | <10 | 90 | <0.5 | <2 | 0.13 | 0.7 | 13 | 28 | 51 | 2.84 | 10 |
| ZZ49603 | | 0.38 | 1.1 | 1.38 | 81 | <10 | 60 | <0.5 | 2 | 0.14 | 0.8 | 16 | 35 | 201 | 4.06 | <10 |
| ZZ49604 | | 0.42 | 0.2 | 1.57 | 56 | <10 | 110 | <0.5 | <2 | 0.10 | 0.6 | 10 | 27 | 44 | 2.65 | <10 |
| ZZ49605 | | 0.44 | 2.2 | 1.37 | 153 | <10 | 90 | <0.5 | <2 | 0.09 | 1.2 | 16 | 26 | 68 | 3.45 | <10 |
| ZZ49606 | | 0.40 | 1.6 | 1.32 | 87 | <10 | 40 | <0.5 | <2 | 0.16 | 1.7 | 26 | 27 | 130 | 3.59 | <10 |
| ZZ49607 | | 0.51 | 0.7 | 1.22 | 411 | <10 | 60 | <0.5 | <2 | 0.06 | 0.5 | 9 | 19 | 25 | 2.33 | <10 |
| ZZ49608 | | 0.38 | 0.6 | 1.66 | 185 | <10 | 110 | <0.5 | <2 | 0.14 | 1.1 | 13 | 28 | 72 | 2.83 | <10 |
| ZZ49609 | | 0.34 | 3.7 | 1.11 | 403 | <10 | 70 | <0.5 | <2 | 0.15 | 7.5 | 20 | 27 | 105 | 4.64 | <10 |
| ZZ49610 | | 0.36 | 3.1 | 0.88 | 381 | <10 | 60 | <0.5 | <2 | 0.23 | 5.1 | 12 | 22 | 79 | 3.54 | <10 |
| ZZ49611 | | 0.32 | 3.2 | 0.86 | 135 | <10 | 50 | <0.5 | <2 | 0.14 | 4.2 | 17 | 21 | 80 | 3.66 | <10 |
| ZZ49612 | | 0.52 | 2.0 | 1.14 | 98 | <10 | 50 | <0.5 | <2 | 0.24 | 4.8 | 18 | 26 | 90 | 4.11 | <10 |
| ZZ49613 | | 0.41 | 2.1 | 1.15 | 86 | <10 | 60 | <0.5 | <2 | 0.19 | 2.3 | 16 | 28 | 82 | 4.12 | <10 |
| ZZ49614 | | 0.42 | 2.5 | 1.05 | 100 | <10 | 50 | <0.5 | <2 | 0.20 | 2.6 | 14 | 25 | 76 | 3.37 | <10 |
| ZZ49615 | | 0.46 | 3.5 | 1.48 | 101 | <10 | 60 | <0.5 | <2 | 0.23 | 2.0 | 25 | 37 | 106 | 4.84 | <10 |
| ZZ49616 | | 0.38 | 3.6 | 1.57 | 82 | <10 | 60 | <0.5 | 2 | 0.16 | 1.6 | 27 | 38 | 123 | 4.90 | <10 |
| ZZ49617 | | 0.46 | 2.6 | 0.85 | 59 | <10 | 30 | <0.5 | <2 | 0.06 | 0.6 | 7 | 26 | 60 | 3.05 | <10 |
| ZZ49618 | | 0.49 | 1.3 | 1.24 | 29 | <10 | 70 | <0.5 | 2 | 0.16 | 0.7 | 10 | 32 | 94 | 4.00 | <10 |
| ZZ49619 | | 0.43 | 1.9 | 1.15 | 107 | <10 | 60 | <0.5 | <2 | 0.17 | 1.6 | 14 | 28 | 75 | 3.74 | <10 |
| ZZ49620 | | 0.45 | 2.4 | 1.06 | 145 | <10 | 70 | <0.5 | <2 | 0.13 | 1.7 | 18 | 24 | 70 | 3.46 | <10 |
| ZZ49621 | | 0.34 | 0.8 | 1.82 | 25 | <10 | 90 | <0.5 | <2 | 0.12 | <0.5 | 13 | 38 | 140 | 4.31 | <10 |
| ZZ49622 | | 0.45 | 0.6 | 1.29 | 21 | <10 | 60 | <0.5 | <2 | 0.15 | <0.5 | 18 | 33 | 104 | 3.79 | <10 |
| ZZ49623 | | 0.39 | 0.7 | 1.80 | 19 | <10 | 80 | <0.5 | 2 | 0.19 | <0.5 | 23 | 45 | 134 | 4.75 | <10 |
| ZZ49624 | | 0.38 | 0.8 | 2.23 | 19 | <10 | 90 | <0.5 | <2 | 0.18 | <0.5 | 17 | 57 | 133 | 5.29 | 10 |
| ZZ49625 | | 0.42 | 2.1 | 1.20 | 56 | <10 | 70 | <0.5 | 2 | 0.15 | 3.2 | 15 | 28 | 78 | 2.26 | <10 |
| ZZ49626 | | 0.44 | 0.9 | 1.04 | 129 | <10 | 80 | <0.5 | <2 | 0.13 | 1.4 | 7 | 28 | 63 | 4.37 | <10 |
| ZZ49627 | | 0.38 | 0.7 | 1.30 | 26 | <10 | 100 | <0.5 | <2 | 0.12 | <0.5 | 7 | 31 | 51 | 3.48 | <10 |
| ZZ49628 | | 0.37 | 0.2 | 1.91 | 15 | <10 | 110 | <0.5 | <2 | 0.11 | 0.7 | 9 | 29 | 19 | 3.21 | 10 |
| ZZ49629 | | 0.45 | 1.5 | 1.91 | 104 | <10 | 180 | 0.7 | <2 | 0.25 | 8.7 | 78 | 35 | 145 | 5.33 | <10 |
| ZZ49630 | | 0.37 | 0.3 | 1.90 | 17 | <10 | 90 | <0.5 | <2 | 0.20 | <0.5 | 26 | 54 | 110 | 4.17 | <10 |
| ZZ49631 | | 0.46 | 0.3 | 1.67 | 16 | <10 | 30 | <0.5 | <2 | 0.15 | <0.5 | 14 | 45 | 98 | 3.79 | <10 |

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

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**Finalized Date: 30-JUL-2015**
**Account: ROCKHA**

Project: Mount Hinton

# CERTIFICATE OF ANALYSIS WH15106347

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Hg | K | La | Mg | Mn | Mo | Na | Ni | P | Pb | S | Sb | Sc | Sr | Th |
| | Units | ppm | % | ppm | % | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOR | 1 | 0.01 | 10 | 0.01 | 5 | 1 | 0.01 | 1 | 10 | 2 | 0.01 | 2 | 1 | 1 | 20 |
| ZZ49592 | | <1 | 0.04 | 10 | 0.15 | 462 | 5 | 0.02 | 36 | 1120 | 107 | 0.05 | 3 | 1 | 17 | <20 |
| ZZ49593 | | <1 | 0.03 | 10 | 0.12 | 174 | 5 | 0.01 | 31 | 1010 | 307 | 0.03 | 5 | 1 | 14 | <20 |
| ZZ49594 | | <1 | 0.02 | 20 | 0.13 | 225 | 5 | 0.01 | 34 | 960 | 137 | 0.03 | 4 | 1 | 17 | <20 |
| ZZ49595 | | <1 | 0.03 | 20 | 0.19 | 306 | 5 | 0.01 | 42 | 1190 | 172 | 0.03 | 5 | 2 | 22 | <20 |
| ZZ49596 | | <1 | 0.03 | 20 | 0.21 | 287 | 5 | 0.01 | 54 | 1170 | 189 | 0.04 | 5 | 2 | 21 | <20 |
| ZZ49597 | | <1 | 0.03 | 30 | 0.25 | 308 | 4 | 0.01 | 65 | 1180 | 181 | 0.04 | 6 | 2 | 19 | <20 |
| ZZ49598 | | <1 | 0.05 | 20 | 0.46 | 367 | 3 | 0.01 | 28 | 1020 | 30 | 0.02 | <2 | 2 | 13 | <20 |
| ZZ49599 | | <1 | 0.03 | 20 | 0.25 | 283 | 4 | 0.01 | 35 | 1040 | 111 | 0.04 | 2 | 2 | 15 | <20 |
| ZZ49600 | | <1 | 0.04 | 10 | 0.50 | 261 | 3 | 0.01 | 31 | 760 | 36 | 0.04 | <2 | 2 | 12 | <20 |
| ZZ49601 | | <1 | 0.06 | 10 | 0.50 | 402 | 3 | 0.01 | 28 | 760 | 22 | 0.04 | <2 | 2 | 11 | <20 |
| ZZ49602 | | <1 | 0.05 | 10 | 0.41 | 417 | 3 | 0.01 | 35 | 980 | 26 | 0.03 | <2 | 2 | 13 | <20 |
| ZZ49603 | | <1 | 0.03 | 20 | 0.47 | 295 | 3 | 0.02 | 51 | 1290 | 64 | 0.05 | 3 | 3 | 13 | <20 |
| ZZ49604 | | <1 | 0.04 | 10 | 0.45 | 379 | <1 | <0.01 | 28 | 700 | 25 | 0.01 | 4 | 2 | 10 | <20 |
| ZZ49605 | | 1 | 0.04 | 20 | 0.33 | 410 | 1 | <0.01 | 42 | 1010 | 108 | 0.01 | 4 | 2 | 13 | <20 |
| ZZ49606 | | <1 | 0.02 | 30 | 0.33 | 340 | 2 | <0.01 | 68 | 1200 | 62 | 0.06 | 4 | 2 | 16 | <20 |
| ZZ49607 | | <1 | 0.03 | 10 | 0.25 | 257 | 1 | <0.01 | 20 | 660 | 55 | 0.01 | 3 | 1 | 7 | <20 |
| ZZ49608 | | <1 | 0.05 | 10 | 0.49 | 402 | <1 | <0.01 | 39 | 810 | 56 | <0.01 | 3 | 3 | 12 | <20 |
| ZZ49609 | | <1 | 0.03 | 30 | 0.29 | 511 | 6 | <0.01 | 56 | 1230 | 139 | 0.03 | 6 | 2 | 25 | <20 |
| ZZ49610 | | <1 | 0.03 | 30 | 0.24 | 289 | 5 | <0.01 | 40 | 950 | 156 | 0.02 | 8 | 2 | 19 | <20 |
| ZZ49611 | | 1 | 0.03 | 30 | 0.21 | 364 | 6 | <0.01 | 49 | 990 | 123 | 0.02 | 5 | 2 | 20 | <20 |
| ZZ49612 | | <1 | 0.03 | 40 | 0.29 | 249 | 4 | <0.01 | 64 | 1250 | 60 | 0.05 | 5 | 2 | 24 | <20 |
| ZZ49613 | | <1 | 0.03 | 40 | 0.31 | 267 | 3 | <0.01 | 51 | 1160 | 77 | 0.02 | 5 | 2 | 20 | <20 |
| ZZ49614 | | <1 | 0.03 | 30 | 0.28 | 246 | 2 | <0.01 | 51 | 1040 | 90 | 0.02 | 3 | 2 | 17 | <20 |
| ZZ49615 | | <1 | 0.03 | 40 | 0.42 | 454 | 3 | <0.01 | 65 | 1230 | 102 | 0.03 | 5 | 3 | 21 | <20 |
| ZZ49616 | | <1 | 0.03 | 40 | 0.44 | 394 | 3 | 0.01 | 64 | 1410 | 148 | 0.04 | 6 | 3 | 15 | <20 |
| ZZ49617 | | <1 | 0.01 | 30 | 0.28 | 154 | 1 | <0.01 | 25 | 970 | 142 | 0.02 | 13 | 2 | 11 | <20 |
| ZZ49618 | | <1 | 0.03 | 40 | 0.39 | 197 | 2 | 0.01 | 39 | 1410 | 35 | 0.04 | 4 | 2 | 20 | <20 |
| ZZ49619 | | <1 | 0.03 | 30 | 0.32 | 264 | 3 | <0.01 | 42 | 1360 | 76 | 0.03 | 4 | 2 | 18 | <20 |
| ZZ49620 | | <1 | 0.02 | 20 | 0.27 | 371 | 3 | <0.01 | 44 | 1020 | 102 | 0.03 | 5 | 2 | 16 | <20 |
| ZZ49621 | | <1 | 0.03 | 40 | 0.71 | 295 | 1 | 0.01 | 53 | 1310 | 26 | 0.03 | 3 | 2 | 14 | <20 |
| ZZ49622 | | <1 | 0.03 | 30 | 0.53 | 458 | 1 | <0.01 | 43 | 1150 | 14 | 0.02 | <2 | 4 | 10 | <20 |
| ZZ49623 | | <1 | 0.02 | 40 | 0.70 | 416 | 2 | <0.01 | 71 | 1120 | 19 | 0.03 | <2 | 4 | 16 | <20 |
| ZZ49624 | | <1 | 0.03 | 40 | 0.94 | 408 | 2 | <0.01 | 58 | 1200 | 24 | 0.03 | <2 | 4 | 19 | <20 |
| ZZ49625 | | <1 | 0.02 | 30 | 0.36 | 123 | 2 | <0.01 | 47 | 1120 | 82 | 0.05 | 4 | 2 | 15 | <20 |
| ZZ49626 | | <1 | 0.02 | 40 | 0.33 | 167 | 1 | <0.01 | 27 | 1230 | 31 | 0.01 | 2 | 3 | 15 | <20 |
| ZZ49627 | | <1 | 0.03 | 30 | 0.35 | 137 | 2 | 0.01 | 32 | 1490 | 26 | 0.06 | 3 | 1 | 15 | <20 |
| ZZ49628 | | <1 | 0.04 | 10 | 0.37 | 327 | 1 | <0.01 | 18 | 890 | 15 | 0.02 | <2 | 1 | 11 | <20 |
| ZZ49629 | | <1 | 0.06 | 60 | 0.42 | 1430 | 3 | 0.01 | 243 | 1270 | 53 | 0.01 | <2 | 5 | 19 | <20 |
| ZZ49630 | | <1 | 0.01 | 20 | 1.00 | 563 | 1 | <0.01 | 56 | 790 | 14 | 0.01 | 2 | 4 | 11 | <20 |
| ZZ49631 | | <1 | 0.01 | 20 | 0.89 | 338 | <1 | <0.01 | 47 | 730 | 11 | 0.01 | <2 | 3 | 9 | <20 |

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

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**Finalized Date: 30-JUL-2015**
**Account: ROCKHA**

Project: Mount Hinton

# CERTIFICATE OF ANALYSIS WH15106347

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Au-ICP21 |
|---|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn | Au |
| | Units | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 | 0.001 |
| ZZ49592 | | 0.01 | <10 | <10 | 20 | <10 | 131 | 0.017 |
| ZZ49593 | | <0.01 | <10 | <10 | 18 | <10 | 127 | 0.040 |
| ZZ49594 | | <0.01 | <10 | <10 | 16 | <10 | 158 | 0.032 |
| ZZ49595 | | 0.01 | <10 | <10 | 23 | <10 | 233 | 0.023 |
| ZZ49596 | | <0.01 | <10 | <10 | 20 | <10 | 308 | 0.022 |
| ZZ49597 | | 0.01 | <10 | <10 | 23 | <10 | 333 | 0.024 |
| ZZ49598 | | 0.04 | <10 | <10 | 48 | <10 | 134 | 0.009 |
| ZZ49599 | | 0.02 | <10 | <10 | 26 | <10 | 168 | 0.016 |
| ZZ49600 | | 0.03 | <10 | <10 | 49 | <10 | 154 | 0.011 |
| ZZ49601 | | 0.04 | <10 | <10 | 56 | <10 | 153 | 0.005 |
| ZZ49602 | | 0.04 | <10 | <10 | 49 | <10 | 145 | 0.009 |
| ZZ49603 | | 0.02 | <10 | <10 | 34 | <10 | 167 | 0.021 |
| ZZ49604 | | 0.04 | <10 | <10 | 43 | <10 | 142 | 0.011 |
| ZZ49605 | | 0.02 | <10 | <10 | 33 | <10 | 222 | 0.022 |
| ZZ49606 | | 0.01 | <10 | <10 | 23 | <10 | 259 | 0.024 |
| ZZ49607 | | 0.02 | <10 | <10 | 30 | <10 | 143 | 0.034 |
| ZZ49608 | | 0.04 | <10 | <10 | 41 | <10 | 200 | 0.029 |
| ZZ49609 | | 0.01 | <10 | <10 | 25 | <10 | 531 | 0.038 |
| ZZ49610 | | 0.01 | <10 | <10 | 20 | <10 | 445 | 0.039 |
| ZZ49611 | | <0.01 | <10 | <10 | 18 | <10 | 363 | 0.025 |
| ZZ49612 | | 0.01 | <10 | <10 | 21 | <10 | 376 | 0.024 |
| ZZ49613 | | 0.01 | <10 | <10 | 24 | <10 | 283 | 0.024 |
| ZZ49614 | | 0.01 | <10 | <10 | 23 | <10 | 254 | 0.026 |
| ZZ49615 | | 0.01 | <10 | <10 | 32 | <10 | 275 | 0.032 |
| ZZ49616 | | 0.01 | <10 | <10 | 35 | <10 | 242 | 0.036 |
| ZZ49617 | | 0.01 | <10 | <10 | 25 | <10 | 98 | 0.022 |
| ZZ49618 | | 0.02 | <10 | <10 | 31 | <10 | 111 | 0.018 |
| ZZ49619 | | 0.01 | <10 | <10 | 27 | <10 | 189 | 0.026 |
| ZZ49620 | | 0.01 | <10 | <10 | 24 | <10 | 227 | 0.021 |
| ZZ49621 | | 0.02 | <10 | <10 | 46 | <10 | 93 | 0.012 |
| ZZ49622 | | 0.02 | <10 | <10 | 43 | <10 | 79 | 0.014 |
| ZZ49623 | | 0.05 | <10 | <10 | 48 | <10 | 109 | 0.008 |
| ZZ49624 | | 0.05 | <10 | <10 | 59 | <10 | 98 | 0.010 |
| ZZ49625 | | 0.01 | <10 | <10 | 29 | <10 | 206 | 0.023 |
| ZZ49626 | | 0.02 | <10 | <10 | 28 | <10 | 108 | 0.010 |
| ZZ49627 | | 0.01 | <10 | <10 | 34 | <10 | 70 | 0.008 |
| ZZ49628 | | 0.04 | <10 | <10 | 52 | <10 | 65 | 0.002 |
| ZZ49629 | | 0.03 | <10 | <10 | 37 | <10 | 1110 | 0.013 |
| ZZ49630 | | 0.05 | <10 | <10 | 63 | <10 | 86 | 0.008 |
| ZZ49631 | | 0.05 | <10 | <10 | 56 | <10 | 80 | 0.011 |

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

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
**1016 - 510 W HASTINGS STREET**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 30-JUL-2015**
**Account: ROCKHA**

Project: Mount Hinton

# CERTIFICATE OF ANALYSIS WH15106347

| Sample Description | Method | WEI-21 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | B | Ba | Be | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm |
| | LOR | 0.02 | 0.2 | 0.01 | 2 | 10 | 10 | 0.5 | 2 | 0.01 | 0.5 | 1 | 1 | 1 | 0.01 | 10 |
| ZZ49632 | | 0.60 | <0.2 | 1.76 | 10 | <10 | 70 | <0.5 | <2 | 0.34 | <0.5 | 33 | 61 | 162 | 3.94 | <10 |
| ZZ49633 | | 0.39 | 0.4 | 2.88 | 16 | <10 | 110 | <0.5 | <2 | 0.46 | <0.5 | 47 | 59 | 242 | 6.14 | 10 |
| ZZ49634 | | 0.40 | 0.2 | 2.14 | 10 | <10 | 100 | <0.5 | <2 | 0.34 | <0.5 | 25 | 41 | 137 | 4.72 | 10 |
| ZZ49635 | | 0.47 | 0.2 | 3.06 | 16 | <10 | 130 | <0.5 | 2 | 0.49 | <0.5 | 49 | 60 | 321 | 6.40 | 10 |
| ZZ49636 | | 0.57 | 0.2 | 2.60 | 29 | <10 | 70 | <0.5 | <2 | 0.40 | <0.5 | 43 | 52 | 209 | 5.39 | 10 |
| ZZ49637 | | 0.35 | 0.2 | 2.88 | 35 | <10 | 80 | <0.5 | <2 | 0.41 | <0.5 | 34 | 60 | 168 | 5.77 | 10 |
| ZZ49638 | | 0.43 | <0.2 | 3.12 | 29 | <10 | 90 | <0.5 | <2 | 0.32 | <0.5 | 34 | 62 | 207 | 6.09 | 10 |
| ZZ49898 | | 0.49 | 0.7 | 1.05 | 70 | <10 | 70 | <0.5 | <2 | 0.16 | 0.8 | 10 | 20 | 34 | 2.36 | <10 |
| ZZ49899 | | 0.51 | 0.4 | 0.71 | 43 | <10 | 80 | <0.5 | 2 | 0.17 | 0.6 | 7 | 16 | 27 | 1.91 | <10 |
| ZZ49900 | | 0.40 | 5.1 | 0.67 | 438 | <10 | 150 | <0.5 | <2 | 0.08 | 0.8 | 6 | 15 | 29 | 2.51 | <10 |
| ZZ49901 | | 0.37 | 0.6 | 0.75 | 123 | <10 | 110 | <0.5 | 2 | 0.05 | 0.5 | 5 | 18 | 35 | 2.03 | <10 |
| ZZ49902 | | 0.41 | 0.8 | 0.84 | 132 | <10 | 140 | <0.5 | 2 | 0.05 | 0.5 | 4 | 21 | 44 | 2.23 | <10 |

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

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**Finalized Date: 30-JUL-2015**
**Account: ROCKHA**

Project: Mount Hinton

# CERTIFICATE OF ANALYSIS WH15106347

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Hg | K | La | Mg | Mn | Mo | Na | Ni | P | Pb | S | Sb | Sc | Sr | Th |
| | Units | ppm | % | ppm | % | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOR | 1 | 0.01 | 10 | 0.01 | 5 | 1 | 0.01 | 1 | 10 | 2 | 0.01 | 2 | 1 | 1 | 20 |
| ZZ49632 | | <1 | 0.02 | 10 | 1.03 | 633 | <1 | <0.01 | 73 | 720 | 4 | <0.01 | 2 | 3 | 13 | <20 |
| ZZ49633 | | <1 | 0.03 | 20 | 1.61 | 945 | <1 | <0.01 | 100 | 880 | 13 | 0.01 | <2 | 6 | 17 | <20 |
| ZZ49634 | | <1 | 0.02 | 10 | 1.16 | 647 | 1 | <0.01 | 56 | 740 | 7 | 0.01 | <2 | 3 | 13 | <20 |
| ZZ49635 | | 1 | 0.04 | 20 | 1.77 | 1050 | <1 | <0.01 | 100 | 750 | 10 | 0.01 | <2 | 6 | 17 | <20 |
| ZZ49636 | | <1 | 0.04 | 10 | 1.66 | 842 | <1 | <0.01 | 97 | 670 | 5 | <0.01 | <2 | 7 | 12 | <20 |
| ZZ49637 | | <1 | 0.02 | 10 | 1.76 | 761 | <1 | <0.01 | 85 | 650 | 6 | <0.01 | <2 | 8 | 12 | <20 |
| ZZ49638 | | <1 | 0.02 | 10 | 1.87 | 780 | <1 | <0.01 | 87 | 620 | 8 | <0.01 | 2 | 8 | 11 | <20 |
| ZZ49898 | | <1 | 0.03 | 10 | 0.38 | 369 | <1 | <0.01 | 30 | 800 | 58 | <0.01 | 2 | 3 | 12 | <20 |
| ZZ49899 | | <1 | 0.03 | 10 | 0.22 | 291 | 3 | 0.01 | 28 | 810 | 21 | 0.02 | 2 | 2 | 16 | <20 |
| ZZ49900 | | <1 | 0.04 | 20 | 0.17 | 384 | 5 | 0.01 | 18 | 940 | 334 | 0.04 | 7 | 2 | 22 | <20 |
| ZZ49901 | | <1 | 0.02 | 10 | 0.17 | 209 | 4 | 0.01 | 20 | 550 | 35 | 0.02 | <2 | 2 | 34 | <20 |
| ZZ49902 | | <1 | 0.02 | 10 | 0.20 | 131 | 5 | 0.01 | 22 | 590 | 42 | 0.03 | <2 | 2 | 36 | <20 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 30-JUL-2015**
**Account: ROCKHA**

Project: Mount Hinton

# CERTIFICATE OF ANALYSIS WH15106347

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Au-ICP21 |
|---|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn | Au |
| | Units | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 | 0.001 |
| ZZ49632 | | 0.09 | <10 | <10 | 51 | <10 | 85 | 0.006 |
| ZZ49633 | | 0.05 | <10 | <10 | 85 | <10 | 139 | 0.011 |
| ZZ49634 | | 0.05 | <10 | <10 | 69 | <10 | 91 | 0.006 |
| ZZ49635 | | 0.05 | <10 | <10 | 91 | <10 | 123 | 0.007 |
| ZZ49636 | | 0.06 | <10 | <10 | 93 | <10 | 120 | 0.006 |
| ZZ49637 | | 0.06 | <10 | <10 | 103 | <10 | 119 | 0.005 |
| ZZ49638 | | 0.07 | <10 | <10 | 106 | <10 | 127 | 0.006 |
| ZZ49898 | | 0.04 | <10 | <10 | 35 | <10 | 115 | 0.008 |
| ZZ49899 | | 0.03 | <10 | <10 | 28 | <10 | 82 | 0.021 |
| ZZ49900 | | 0.03 | <10 | <10 | 25 | <10 | 77 | 0.132 |
| ZZ49901 | | 0.01 | <10 | <10 | 22 | <10 | 76 | 0.011 |
| ZZ49902 | | 0.01 | <10 | <10 | 23 | <10 | 81 | 0.013 |

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**VANCOUVER BC V6B 1L8**

Project: Mount Hinton


**Finalized Date: 30-JUL-2015**
**Account: ROCKHA**

# CERTIFICATE OF ANALYSIS WH15106347

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| Applies to Method: | | | |
|---|---|---|---|
| | LOG-22 | SCR-41 | WEI-21 |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | |
|---|---|---|
| | Au-ICP21 | ME-ICP41 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 5-AUG-2015**
**Account: ROCKHA**

# CERTIFICATE WH15106727

Project: MOUNT HINTON

This report is for 35 Rock samples submitted to our lab in Whitehorse, YT, Canada on 21-JUL-2015.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| HEATHER BURRELL<br>JARED TARSWELL | MATT DUMALA | JOAN MARIACHER |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-21 | Sample logging - ClientBarCode |
| BAG-06 | Double Bagging Coarse Rejects |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-31 | Fine crushing - 70% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-31 | Pulverize split to 85% <75 um |

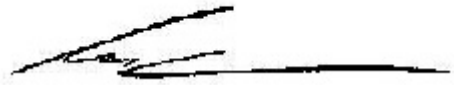
## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA24 | Au 50g FA AA finish | AAS |
| ME-MS41 | 51 anal. aqua regia ICPMS | |

To: **ROCKHAVEN RESOURCES LTD.**
**ATTN: JOAN MARIACHER**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
**1016 - 510 W HASTINGS STREET**
**VANCOUVER BC V6B 1L8**

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

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

**Signature:** 

Colin Ramshaw, Vancouver Laboratory Manager

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**Finalized Date: 5-AUG-2015**
**Account: ROCKHA**

Project: MOUNT HINTON

# CERTIFICATE OF ANALYSIS WH15106727

| Sample Description | Method | WEI-21 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Au | B | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.02 | 0.01 | 0.01 | 0.1 | 0.2 | 10 | 10 | 0.05 | 0.01 | 0.01 | 0.01 | 0.02 | 0.1 | 1 | 0.05 |
| Q017573 | | 1.40 | 6.23 | 0.03 | >10000 | 14.4 | <10 | 10 | <0.05 | 2.66 | 0.02 | 0.04 | 4.26 | 90.6 | 9 | 0.08 |
| Q017574 | | 0.77 | 2.13 | 0.03 | >10000 | 2.5 | <10 | 20 | <0.05 | 4.86 | <0.01 | 0.02 | 0.16 | 53.3 | <1 | 0.08 |
| Q017575 | | 0.85 | 0.89 | 0.10 | >10000 | 1.5 | <10 | 10 | <0.05 | 7.57 | 0.01 | 0.02 | 1.34 | 27.5 | 5 | <0.05 |
| Q017576 | | 0.56 | 0.12 | 0.06 | 1435 | <0.2 | <10 | 20 | <0.05 | 0.05 | 0.01 | 0.04 | 5.75 | 0.8 | 4 | 0.25 |
| Q017577 | | 1.57 | 0.40 | 0.62 | 176.0 | <0.2 | <10 | 10 | <0.05 | 0.14 | 0.03 | 0.01 | 3.41 | 4.3 | 20 | <0.05 |
| Q017578 | | 1.72 | 0.84 | 1.09 | >10000 | 1.8 | <10 | 20 | <0.05 | 3.01 | 0.01 | 0.07 | 2.03 | 255 | 8 | 0.30 |
| Q017579 | | 0.85 | 2.63 | 0.05 | >10000 | 0.2 | <10 | 10 | <0.05 | 2.98 | <0.01 | 0.13 | 1.16 | 33.8 | 4 | <0.05 |
| Q017580 | | 1.83 | 1.29 | 0.17 | >10000 | 0.5 | <10 | 60 | 0.08 | 1.03 | 0.03 | 0.14 | 13.40 | 28.0 | 9 | 0.74 |
| Q017581 | | 2.89 | 4.76 | 0.10 | >10000 | 5.6 | <10 | 90 | 0.05 | 2.71 | 0.01 | 0.60 | 5.96 | 31.2 | 6 | 1.01 |
| Q017582 | | 1.12 | 1.17 | 0.05 | >10000 | 0.7 | <10 | 40 | <0.05 | 1.05 | 0.02 | 0.26 | 5.27 | 12.5 | 9 | 0.24 |
| Q017583 | | 1.90 | 0.14 | 0.07 | >10000 | <0.2 | <10 | 30 | <0.05 | 0.19 | 0.02 | 0.08 | 5.57 | 3.9 | 10 | 0.16 |
| Q017584 | | 2.46 | 0.81 | 0.07 | >10000 | 0.7 | <10 | 20 | <0.05 | 0.79 | 0.08 | 0.11 | 10.20 | 17.3 | 9 | 0.16 |
| Q017585 | | 0.83 | 0.05 | 0.02 | 1120 | <0.2 | <10 | 20 | <0.05 | 0.03 | 0.01 | 0.11 | 1.39 | 0.5 | 12 | 0.18 |
| Q017586 | | 0.78 | 0.05 | 0.19 | 1010 | <0.2 | <10 | 40 | 0.06 | 0.05 | 0.03 | 0.19 | 15.30 | 1.4 | 11 | 0.36 |
| Q017587 | | 1.64 | 4.23 | 0.10 | >10000 | 4.8 | <10 | 50 | 0.05 | 0.73 | 0.01 | 0.41 | 6.64 | 36.8 | 8 | 0.46 |
| Q017588 | | 1.23 | 3.65 | 0.14 | >10000 | 2.5 | <10 | 40 | 0.05 | 0.48 | 0.01 | 0.12 | 8.47 | 15.3 | 11 | 0.44 |
| Q017589 | | 0.72 | 4.34 | 0.04 | >10000 | 4.2 | <10 | 80 | <0.05 | 1.58 | 0.01 | 0.63 | 9.80 | 19.2 | 8 | 1.38 |
| Q017590 | | 1.19 | 3.96 | 0.04 | >10000 | 3.9 | <10 | 20 | <0.05 | 4.23 | <0.01 | 0.13 | 3.01 | 48.8 | 6 | 0.18 |
| Q017591 | | 1.01 | 0.45 | 0.08 | 3220 | 0.2 | <10 | 40 | <0.05 | 0.15 | 0.01 | 0.43 | 14.20 | 1.3 | 9 | 0.39 |
| Q017592 | | 1.00 | 2.70 | 0.15 | >10000 | 0.3 | <10 | 520 | 0.09 | 0.62 | 0.04 | 2.24 | 10.70 | 3.7 | 8 | 9.42 |
| Q017593 | | 0.64 | 1.21 | 0.30 | 2660 | 0.4 | 10 | 150 | 0.13 | 0.67 | 0.01 | 0.51 | 46.8 | 1.7 | 8 | 1.12 |
| Q017594 | | 0.95 | 4.51 | 0.05 | >10000 | 6.2 | <10 | 120 | <0.05 | 1.31 | 0.01 | 0.65 | 2.55 | 17.5 | 14 | 1.61 |
| Q017595 | | 0.78 | 3.65 | 0.30 | 4810 | 1.2 | <10 | 180 | 0.15 | 0.46 | 0.01 | 0.56 | 23.7 | 2.1 | 11 | 1.16 |
| Q017596 | | 0.96 | 0.47 | 0.86 | >10000 | <0.2 | <10 | 200 | 0.26 | 1.50 | 0.07 | 0.54 | 22.6 | 10.6 | 15 | 2.00 |
| Q017597 | | 1.73 | 2.62 | 0.12 | >10000 | 1.9 | <10 | 30 | <0.05 | 5.82 | 0.01 | 0.15 | 2.96 | 22.2 | 5 | 0.39 |
| Q017598 | | 1.19 | 0.50 | 0.28 | >10000 | 0.3 | <10 | 140 | 0.10 | 1.18 | 0.03 | 0.20 | 11.45 | 8.8 | 11 | 0.71 |
| Q017599 | | 0.62 | 0.10 | 0.15 | >10000 | 0.2 | <10 | 10 | <0.05 | 1.06 | 0.01 | 0.02 | 6.64 | 9.9 | 11 | <0.05 |
| Q017600 | | 1.20 | 0.42 | 0.15 | >10000 | 0.8 | <10 | 10 | <0.05 | 3.72 | 0.01 | 0.02 | 3.41 | 14.6 | 11 | 0.05 |
| Q017601 | | 0.73 | 0.02 | 0.24 | 1435 | <0.2 | <10 | <10 | <0.05 | 0.13 | 0.01 | 0.01 | 11.05 | 1.6 | 16 | <0.05 |
| Q017602 | | 0.73 | 23.2 | 0.58 | 120.5 | <0.2 | <10 | 120 | 0.30 | 0.23 | 0.11 | 1.13 | 45.4 | 0.9 | 13 | 1.82 |
| Q017603 | | 1.34 | 2.57 | 0.10 | 498 | <0.2 | <10 | 20 | 0.12 | 0.05 | 0.01 | 9.03 | 7.22 | 3.5 | 8 | 0.32 |
| Q017604 | | 1.10 | 2.62 | 0.08 | 130.5 | <0.2 | <10 | 20 | 0.05 | 0.02 | 0.01 | 11.45 | 5.53 | 6.0 | 8 | 0.27 |
| Q017605 | | 0.41 | 0.75 | 0.03 | 115.0 | <0.2 | <10 | <10 | <0.05 | 0.02 | 0.01 | 1.09 | 1.85 | 0.6 | 9 | 0.11 |
| Q017606 | | 1.07 | 4.10 | 0.53 | 105.5 | <0.2 | <10 | 20 | 0.09 | 0.03 | 0.03 | 2.87 | 14.60 | 5.4 | 26 | 0.28 |
| Q017607 | | 0.94 | 78.0 | 0.11 | >10000 | 0.2 | <10 | 30 | 0.07 | 5.39 | 0.02 | 64.3 | 7.79 | 6.1 | 7 | 0.30 |

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

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**Finalized Date: 5-AUG-2015**
**Account: ROCKHA**

Project: MOUNT HINTON

# CERTIFICATE OF ANALYSIS WH15106727

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Cu | Fe | Ga | Ge | Hf | Hg | In | K | La | Li | Mg | Mn | Mo | Na | Nb |
| | Units | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm |
| | LOR | 0.2 | 0.01 | 0.05 | 0.05 | 0.02 | 0.01 | 0.005 | 0.01 | 0.2 | 0.1 | 0.01 | 5 | 0.05 | 0.01 | 0.05 |
| Q017573 | | 8.8 | 18.75 | 0.16 | 0.17 | <0.02 | 0.09 | 0.028 | 0.01 | 2.1 | 0.6 | <0.01 | 26 | 1.81 | <0.01 | 0.06 |
| Q017574 | | 3.4 | 20.6 | 0.12 | 0.20 | <0.02 | 0.02 | 0.029 | 0.01 | <0.2 | 0.2 | <0.01 | <5 | 2.83 | <0.01 | 0.05 |
| Q017575 | | 24.4 | 23.7 | 0.37 | 0.27 | <0.02 | 0.02 | 0.038 | 0.01 | 0.6 | 1.4 | 0.01 | 9 | 1.35 | <0.01 | 0.08 |
| Q017576 | | 3.1 | 1.14 | 0.18 | 0.07 | <0.02 | <0.01 | 0.007 | 0.02 | 2.9 | 0.3 | <0.01 | 39 | 0.15 | <0.01 | <0.05 |
| Q017577 | | 47.8 | 17.70 | 2.46 | 0.33 | 0.05 | 0.05 | 0.061 | <0.01 | 2.0 | 6.5 | 0.50 | 209 | 0.36 | <0.01 | 1.03 |
| Q017578 | | 19.7 | 18.45 | 3.43 | 0.27 | <0.02 | 0.04 | 0.038 | 0.03 | 1.0 | 18.4 | 0.75 | 228 | 3.33 | <0.01 | 0.05 |
| Q017579 | | 69.8 | 11.45 | 0.49 | 0.14 | <0.02 | 0.06 | 0.033 | <0.01 | 0.6 | 0.7 | 0.02 | 71 | 0.58 | <0.01 | <0.05 |
| Q017580 | | 9.6 | 3.83 | 0.49 | 0.09 | 0.02 | 0.02 | 0.012 | 0.08 | 6.7 | 1.8 | 0.01 | 121 | 0.52 | <0.01 | <0.05 |
| Q017581 | | 2.5 | 7.19 | 0.28 | 0.11 | 0.03 | 0.08 | 0.030 | 0.04 | 2.9 | 0.4 | <0.01 | 34 | 0.95 | <0.01 | <0.05 |
| Q017582 | | 2.7 | 3.78 | 0.22 | 0.09 | <0.02 | 0.02 | 0.008 | 0.02 | 2.5 | 0.6 | <0.01 | 50 | 0.47 | <0.01 | 0.05 |
| Q017583 | | 3.8 | 1.63 | 0.26 | 0.08 | <0.02 | <0.01 | <0.005 | 0.02 | 2.6 | 1.5 | <0.01 | 78 | 0.23 | <0.01 | <0.05 |
| Q017584 | | 9.9 | 5.77 | 0.29 | 0.10 | 0.02 | 0.02 | 0.010 | 0.02 | 4.9 | 1.0 | 0.01 | 128 | 0.39 | <0.01 | 0.05 |
| Q017585 | | 2.3 | 0.57 | 0.13 | 0.06 | <0.02 | <0.01 | <0.005 | 0.01 | 0.7 | 0.2 | <0.01 | 42 | 0.19 | <0.01 | <0.05 |
| Q017586 | | 5.2 | 0.79 | 0.58 | 0.08 | <0.02 | <0.01 | <0.005 | 0.06 | 7.6 | 1.3 | 0.01 | 52 | 0.23 | <0.01 | 0.07 |
| Q017587 | | 4.4 | 5.58 | 0.29 | 0.11 | 0.02 | 0.06 | 0.019 | 0.04 | 3.0 | 0.3 | <0.01 | 54 | 0.64 | <0.01 | <0.05 |
| Q017588 | | 3.2 | 2.16 | 0.48 | 0.08 | <0.02 | 0.04 | 0.009 | 0.05 | 4.1 | 0.7 | 0.01 | 60 | 0.31 | <0.01 | 0.09 |
| Q017589 | | 6.4 | 4.79 | 0.19 | 0.11 | 0.03 | 0.05 | 0.013 | 0.02 | 4.8 | 0.2 | <0.01 | 31 | 0.54 | <0.01 | <0.05 |
| Q017590 | | 3.2 | 11.80 | 0.19 | 0.15 | 0.02 | 0.06 | 0.018 | 0.01 | 1.5 | 0.2 | <0.01 | 24 | 1.12 | <0.01 | 0.05 |
| Q017591 | | 2.9 | 1.00 | 0.33 | 0.08 | 0.02 | 0.01 | 0.006 | 0.04 | 7.0 | 0.6 | <0.01 | 35 | 0.26 | <0.01 | <0.05 |
| Q017592 | | 5.3 | 6.47 | 0.34 | 0.10 | <0.02 | 0.01 | 0.060 | 0.05 | 5.3 | 0.3 | <0.01 | 149 | 0.98 | <0.01 | <0.05 |
| Q017593 | | 6.9 | 1.90 | 1.02 | 0.11 | <0.02 | 0.01 | 0.008 | 0.13 | 23.7 | 1.0 | 0.01 | 92 | 0.66 | 0.01 | 0.06 |
| Q017594 | | 4.7 | 5.08 | 0.17 | 0.10 | <0.02 | 0.07 | 0.034 | 0.03 | 1.2 | 0.2 | <0.01 | 38 | 0.68 | <0.01 | <0.05 |
| Q017595 | | 7.9 | 2.73 | 0.84 | 0.09 | <0.02 | 0.03 | 0.014 | 0.12 | 11.7 | 1.8 | 0.01 | 57 | 0.51 | 0.01 | <0.05 |
| Q017596 | | 16.2 | 5.24 | 2.31 | 0.12 | <0.02 | 0.01 | 0.026 | 0.11 | 11.7 | 12.8 | 0.23 | 597 | 1.12 | 0.01 | 0.05 |
| Q017597 | | 13.8 | 11.30 | 0.38 | 0.14 | 0.02 | 0.02 | 0.030 | 0.03 | 1.4 | 1.2 | 0.01 | 33 | 1.68 | <0.01 | 0.06 |
| Q017598 | | 6.2 | 4.01 | 0.79 | 0.11 | <0.02 | 0.01 | 0.013 | 0.06 | 5.6 | 1.6 | 0.03 | 82 | 0.95 | 0.01 | <0.05 |
| Q017599 | | 3.5 | 5.93 | 0.54 | 0.14 | 0.02 | 0.01 | 0.011 | 0.01 | 3.1 | 2.1 | 0.04 | 63 | 0.57 | <0.01 | <0.05 |
| Q017600 | | 17.8 | 13.90 | 0.64 | 0.18 | <0.02 | 0.01 | 0.038 | <0.01 | 1.6 | 1.3 | 0.04 | 105 | 0.89 | <0.01 | 0.05 |
| Q017601 | | 7.6 | 2.00 | 0.86 | 0.10 | 0.02 | 0.02 | <0.005 | <0.01 | 5.1 | 3.5 | 0.08 | 131 | 0.17 | <0.01 | <0.05 |
| Q017602 | | 9.7 | 1.07 | 1.57 | 0.11 | 0.04 | 0.02 | 0.051 | 0.15 | 25.0 | 7.5 | 0.13 | 74 | 0.39 | 0.02 | <0.05 |
| Q017603 | | 12.5 | 1.18 | 0.26 | 0.08 | <0.02 | 0.01 | 0.537 | 0.01 | 3.5 | 1.7 | 0.01 | 378 | 0.25 | <0.01 | <0.05 |
| Q017604 | | 7.7 | 1.38 | 0.26 | 0.08 | <0.02 | <0.01 | 0.033 | 0.02 | 2.9 | 1.1 | 0.01 | 737 | 0.18 | <0.01 | <0.05 |
| Q017605 | | 3.1 | 0.51 | 0.14 | 0.06 | <0.02 | 0.01 | 0.090 | <0.01 | 0.9 | 0.4 | <0.01 | 76 | 0.18 | <0.01 | <0.05 |
| Q017606 | | 9.3 | 1.58 | 1.32 | 0.09 | <0.02 | 0.01 | 0.098 | 0.03 | 7.2 | 13.7 | 0.27 | 230 | 0.22 | 0.01 | <0.05 |
| Q017607 | | 103.5 | 10.70 | 0.58 | 0.11 | 0.03 | 0.50 | 5.49 | 0.02 | 4.5 | 0.9 | 0.02 | 418 | 0.49 | <0.01 | <0.05 |

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

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To: **ROCKHAVEN RESOURCES LTD.**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
**1016 - 510 W HASTINGS STREET**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 5-AUG-2015**
**Account: ROCKHA**

Project: MOUNT HINTON

# CERTIFICATE OF ANALYSIS WH15106727

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ni | P | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti |
| | Units | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOR | 0.2 | 10 | 0.2 | 0.1 | 0.001 | 0.01 | 0.05 | 0.1 | 0.2 | 0.2 | 0.2 | 0.01 | 0.01 | 0.2 | 0.005 |
| Q017573 | | 23.6 | 600 | 16.2 | 0.6 | <0.001 | 9.06 | 124.5 | 0.4 | 26.8 | <0.2 | 0.9 | <0.01 | 1.28 | 0.8 | <0.005 |
| Q017574 | | 49.7 | 80 | 19.4 | 0.6 | <0.001 | 7.97 | 141.0 | 0.2 | 45.3 | <0.2 | 0.5 | <0.01 | 2.39 | 0.3 | <0.005 |
| Q017575 | | 5.1 | 220 | 24.1 | 0.2 | <0.001 | 9.97 | 143.0 | 0.9 | 56.8 | <0.2 | 0.8 | <0.01 | 6.13 | 0.5 | <0.005 |
| Q017576 | | 2.9 | 60 | 4.7 | 1.5 | <0.001 | 0.44 | 0.62 | 0.2 | 0.4 | 0.2 | 0.4 | <0.01 | 0.01 | 1.4 | <0.005 |
| Q017577 | | 14.4 | 220 | 10.2 | 0.1 | <0.001 | >10.0 | 4.00 | 0.9 | 51.6 | 1.7 | 1.2 | 0.01 | 0.09 | 1.2 | 0.067 |
| Q017578 | | 43.8 | 70 | 26.2 | 3.9 | 0.008 | 8.04 | 110.5 | 1.3 | 34.1 | <0.2 | 8.2 | <0.01 | 8.44 | 0.7 | <0.005 |
| Q017579 | | 9.6 | 60 | 137.0 | 0.2 | <0.001 | 3.99 | 55.2 | 0.3 | 20.3 | <0.2 | 0.4 | <0.01 | 4.03 | 0.7 | <0.005 |
| Q017580 | | 18.0 | 250 | 13.8 | 4.4 | 0.001 | 1.31 | 14.05 | 0.8 | 5.2 | 0.3 | 4.5 | <0.01 | 0.50 | 3.0 | <0.005 |
| Q017581 | | 64.3 | 210 | 32.0 | 3.1 | 0.004 | 2.03 | 40.0 | 0.6 | 14.7 | 0.4 | 2.6 | <0.01 | 1.04 | 1.9 | <0.005 |
| Q017582 | | 36.9 | 220 | 9.5 | 1.5 | 0.002 | 1.29 | 24.3 | 0.3 | 5.9 | 0.3 | 1.5 | <0.01 | 0.48 | 1.0 | <0.005 |
| Q017583 | | 3.7 | 160 | 2.3 | 1.5 | <0.001 | 0.53 | 7.08 | 0.3 | 1.6 | <0.2 | 1.7 | <0.01 | 0.07 | 1.4 | <0.005 |
| Q017584 | | 6.6 | 780 | 6.4 | 1.5 | <0.001 | 2.22 | 30.8 | 0.7 | 7.1 | 0.2 | 2.9 | <0.01 | 0.36 | 1.9 | <0.005 |
| Q017585 | | 2.4 | 70 | 2.3 | 0.6 | <0.001 | 0.02 | 1.12 | 0.1 | 0.2 | <0.2 | 0.6 | <0.01 | 0.01 | 0.3 | <0.005 |
| Q017586 | | 4.1 | 210 | 2.2 | 3.4 | <0.001 | 0.05 | 1.33 | 0.4 | 0.3 | 0.2 | 3.2 | <0.01 | 0.01 | 2.7 | <0.005 |
| Q017587 | | 97.9 | 170 | 8.0 | 2.6 | 0.004 | 2.51 | 29.1 | 0.7 | 8.3 | 0.3 | 2.0 | <0.01 | 0.34 | 2.8 | <0.005 |
| Q017588 | | 13.5 | 110 | 19.4 | 2.6 | <0.001 | 0.51 | 13.85 | 0.4 | 3.7 | 1.0 | 2.5 | <0.01 | 0.11 | 1.6 | <0.005 |
| Q017589 | | 32.5 | 200 | 9.4 | 1.8 | 0.003 | 0.90 | 24.7 | 0.5 | 13.0 | 0.3 | 1.3 | <0.01 | 0.95 | 2.5 | <0.005 |
| Q017590 | | 22.3 | 90 | 16.8 | 0.8 | 0.001 | 4.41 | 70.2 | 0.2 | 25.0 | <0.2 | 0.6 | <0.01 | 1.78 | 0.8 | <0.005 |
| Q017591 | | 6.4 | 110 | 5.9 | 2.5 | <0.001 | 0.04 | 2.63 | 0.5 | 1.0 | 0.3 | 1.6 | <0.01 | 0.04 | 3.1 | <0.005 |
| Q017592 | | 13.1 | 370 | 97.8 | 8.2 | <0.001 | 0.01 | 17.40 | 0.9 | 3.6 | 3.0 | 30.1 | <0.01 | 0.20 | 2.2 | <0.005 |
| Q017593 | | 6.9 | 140 | 20.0 | 7.2 | <0.001 | 0.01 | 3.62 | 0.7 | 2.3 | 1.3 | 6.8 | <0.01 | 0.06 | 6.0 | <0.005 |
| Q017594 | | 33.7 | 110 | 21.1 | 2.6 | 0.002 | 1.27 | 31.3 | 0.9 | 10.3 | 0.8 | 6.1 | <0.01 | 0.54 | 1.2 | <0.005 |
| Q017595 | | 6.1 | 180 | 17.9 | 7.6 | <0.001 | 0.79 | 4.91 | 1.0 | 1.9 | 1.5 | 7.4 | <0.01 | 0.15 | 4.7 | <0.005 |
| Q017596 | | 24.4 | 460 | 21.8 | 7.0 | 0.001 | 1.39 | 17.20 | 1.9 | 7.4 | 0.2 | 12.8 | <0.01 | 0.29 | 4.7 | <0.005 |
| Q017597 | | 26.4 | 170 | 52.8 | 2.3 | <0.001 | 3.07 | 65.4 | 0.6 | 22.8 | <0.2 | 2.7 | <0.01 | 1.07 | 1.5 | <0.005 |
| Q017598 | | 11.2 | 280 | 8.1 | 3.3 | <0.001 | 0.92 | 19.15 | 0.7 | 6.2 | <0.2 | 6.0 | <0.01 | 0.35 | 2.4 | <0.005 |
| Q017599 | | 3.7 | 150 | 3.6 | 0.3 | <0.001 | 2.41 | 34.7 | 0.6 | 12.3 | <0.2 | 0.9 | <0.01 | 1.06 | 1.1 | <0.005 |
| Q017600 | | 3.9 | 250 | 12.9 | 0.2 | <0.001 | 4.45 | 84.7 | 1.9 | 30.1 | <0.2 | 0.8 | <0.01 | 2.65 | 0.8 | <0.005 |
| Q017601 | | 3.1 | 170 | 1.4 | 0.1 | <0.001 | 0.12 | 1.03 | 1.3 | 0.4 | <0.2 | 0.5 | <0.01 | 0.03 | 1.4 | <0.005 |
| Q017602 | | 3.5 | 630 | 138.5 | 7.2 | <0.001 | 0.02 | 1.45 | 0.8 | 0.5 | 0.4 | 12.1 | <0.01 | 0.03 | 6.8 | <0.005 |
| Q017603 | | 5.3 | 250 | 217 | 1.3 | <0.001 | 0.01 | 2.65 | 0.6 | 0.2 | 0.7 | 2.1 | <0.01 | 0.01 | 1.1 | <0.005 |
| Q017604 | | 13.3 | 120 | 140.5 | 2.1 | <0.001 | 0.02 | 1.53 | 0.8 | 0.3 | 0.2 | 1.0 | <0.01 | <0.01 | 0.7 | <0.005 |
| Q017605 | | 1.9 | 30 | 43.4 | 0.4 | <0.001 | <0.01 | 0.75 | 0.2 | <0.2 | 0.4 | 0.5 | <0.01 | <0.01 | 0.2 | <0.005 |
| Q017606 | | 11.2 | 190 | 196.5 | 1.4 | <0.001 | 0.01 | 2.18 | 1.7 | 0.2 | 0.7 | 2.3 | <0.01 | <0.01 | 1.4 | <0.005 |
| Q017607 | | 14.7 | 300 | 2850 | 1.4 | <0.001 | 5.24 | 86.3 | 0.7 | 3.0 | 23.5 | 2.0 | <0.01 | 0.10 | 2.3 | <0.005 |

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

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**1016 - 510 W HASTINGS STREET**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 5-AUG-2015**
**Account: ROCKHA**

Project: MOUNT HINTON

# CERTIFICATE OF ANALYSIS WH15106727

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | Au-AA24 |
|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Tl | U | V | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.02 | 0.05 | 1 | 0.05 | 0.05 | 2 | 0.5 | 0.005 |
| Q017573 | | 0.04 | 0.16 | 1 | 0.11 | 0.63 | 3 | 0.6 | 9.74 |
| Q017574 | | 0.03 | 0.05 | 1 | 0.08 | <0.05 | <2 | <0.5 | 3.49 |
| Q017575 | | 0.02 | 0.10 | 6 | 0.10 | 0.35 | 2 | 0.7 | 2.04 |
| Q017576 | | 0.03 | 0.10 | 1 | <0.05 | 0.55 | 6 | 0.6 | 0.058 |
| Q017577 | | 0.19 | 0.21 | 14 | 0.05 | 1.86 | 14 | 1.4 | 0.009 |
| Q017578 | | 0.04 | 0.53 | 24 | 0.31 | 1.12 | 36 | <0.5 | 1.900 |
| Q017579 | | <0.02 | 0.22 | 2 | 0.25 | 0.43 | 12 | <0.5 | 0.249 |
| Q017580 | | 0.08 | 0.30 | 4 | 0.24 | 1.35 | 28 | 1.3 | 1.375 |
| Q017581 | | 0.14 | 0.64 | 2 | 0.34 | 1.48 | 62 | 1.5 | 2.73 |
| Q017582 | | 0.06 | 0.18 | 2 | 0.10 | 0.72 | 18 | 0.5 | 2.17 |
| Q017583 | | 0.03 | 0.14 | 2 | 0.08 | 0.58 | 7 | <0.5 | 0.218 |
| Q017584 | | 0.06 | 0.27 | 2 | 0.11 | 1.37 | 12 | 0.9 | 1.515 |
| Q017585 | | <0.02 | 0.06 | 1 | <0.05 | 0.32 | 9 | <0.5 | 0.069 |
| Q017586 | | 0.05 | 0.31 | 4 | 0.12 | 1.22 | 21 | <0.5 | 0.017 |
| Q017587 | | 0.06 | 0.44 | 2 | 0.13 | 1.65 | 29 | 1.2 | 3.55 |
| Q017588 | | 0.08 | 0.18 | 3 | 0.11 | 0.71 | 10 | <0.5 | 4.50 |
| Q017589 | | 0.12 | 0.36 | 1 | 6.45 | 0.64 | 20 | 1.1 | 6.92 |
| Q017590 | | 0.02 | 0.11 | 1 | 0.21 | 0.29 | 7 | 0.8 | 6.48 |
| Q017591 | | 0.05 | 0.31 | 2 | 0.24 | 1.23 | 35 | 1.0 | 0.428 |
| Q017592 | | 0.35 | 3.46 | 3 | 0.16 | 7.65 | 156 | 0.6 | 0.655 |
| Q017593 | | 0.17 | 0.55 | 6 | 0.45 | 1.90 | 54 | <0.5 | 1.140 |
| Q017594 | | 0.10 | 0.57 | 1 | 0.34 | 1.03 | 46 | 0.6 | 8.64 |
| Q017595 | | 0.13 | 0.48 | 6 | 0.35 | 1.85 | 50 | 0.7 | 0.637 |
| Q017596 | | 0.13 | 0.57 | 15 | 0.20 | 2.17 | 60 | 1.0 | 0.382 |
| Q017597 | | 0.07 | 0.18 | 2 | 0.12 | 0.58 | 12 | 0.9 | 2.62 |
| Q017598 | | 0.05 | 0.27 | 5 | 0.12 | 1.06 | 14 | <0.5 | 0.916 |
| Q017599 | | <0.02 | 0.11 | 4 | 0.05 | 0.39 | 7 | 0.7 | 0.343 |
| Q017600 | | <0.02 | 0.15 | 10 | 0.07 | 0.76 | 7 | 0.8 | 0.949 |
| Q017601 | | <0.02 | 0.13 | 10 | <0.05 | 0.53 | 14 | 0.8 | 0.011 |
| Q017602 | | 0.13 | 0.44 | 9 | 0.10 | 3.23 | 78 | 2.4 | 0.139 |
| Q017603 | | 0.05 | 0.25 | 2 | 0.06 | 2.56 | 452 | 0.7 | 0.007 |
| Q017604 | | 0.07 | 0.10 | 1 | 0.05 | 2.40 | 611 | <0.5 | 0.009 |
| Q017605 | | <0.02 | 0.05 | 1 | <0.05 | 0.33 | 58 | <0.5 | 0.009 |
| Q017606 | | 0.03 | 0.19 | 16 | 0.05 | 1.82 | 448 | 0.7 | <0.005 |
| Q017607 | | 0.06 | 0.32 | 2 | 0.19 | 1.83 | 2970 | 1.0 | 1.455 |

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

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**1016 - 510 W HASTINGS STREET**
**VANCOUVER BC V6B 1L8**

Project: MOUNT HINTON


**Finalized Date: 5-AUG-2015**
**Account: ROCKHA**

# CERTIFICATE OF ANALYSIS WH15106727

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

Applies to Method: ME-MS41

Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).

### LABORATORY ADDRESSES

Applies to Method: BAG-06, CRU-31, CRU-QC, LOG-21, PUL-31, PUL-QC, SPL-21, WEI-21

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method: Au-AA24, ME-MS41

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

ALS Canada Ltd.

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**Finalized Date: 12-AUG-2015**
**This copy reported on 8-SEP-2015**
**Account: ROCKHA**

# CERTIFICATE WH15117002

Project: Mount Hinton

This report is for 1 Rock sample submitted to our lab in Whitehorse, YT, Canada on 5-AUG-2015.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| HEATHER BURRELL<br>JARED TARSWELL | MATT DUMALA | JOAN MARIACHER |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| FND-02 | Find Sample for Addn Analysis |

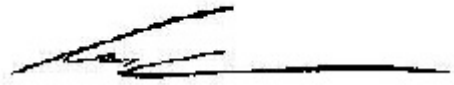
## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION |
|---|---|
| Pb-VOL70 | Pb by Titration |

To: **ROCKHAVEN RESOURCES LTD.**
**ATTN: HEATHER BURRELL**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
**1016 - 510 W HASTINGS STREET**
**VANCOUVER BC V6B 1L8**

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

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

**Signature:** 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
**1016 - 510 W HASTINGS STREET**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 12-AUG-2015**
**Account: ROCKHA**

Project: Mount Hinton

# CERTIFICATE OF ANALYSIS WH15117002

| Sample Description | Method | Pb-VOL70 |
|---|---|---|
| | Analyte | Pb |
| | Units | % |
| | LOR | 0.01 |
| Q017556 | | 24.08 |

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

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

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# CERTIFICATE OF ANALYSIS WH15117002

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

FND-02 Pb-VOL70