

ARCTURUS VENTURES INC.

**ASSESSMENT REPORT ON THE
2011 DIAMOND DRILLING PROGRAM**

ON

1ST BASE CLAIMS

1 – 4	YB 51866 - 51869
13 – 20	YB51878 - 51885
28 – 44	YB51894 - 51909

FINLAYSON LAKE AREA

**WATSON LAKE MINING DISTRICT
YUKON**

June 26 – July 3, 2011

NTS SHEET 105 G/07

Latitude 61° 21' N, Longitude 130° 50' W

**Prepared by
By: R. Stroshein, P.Eng.**

May 10, 2012

Table of Contents

	Page No.
1.0 SUMMARY	1
2.0 INTRODUCTION	3
3.0 LOCATION AND ACCESS	3
4.0 PROPERTY	3
5.0 HISTORY	5
6.0 GEOLOGICAL SETTING	5
7.0 MINERALIZATION	9
8.0 DIAMOND DRILLING PROGRAM	9
9.0 SAMPLING METHOD AND APPROACH	12
10.0 SAMPLE PREPARATION, ANALYSIS AND SECURITY	12
11.0 CONCLUSION AND RECOMMENDATIONS	13
12.0 REFERENCES	16

LIST OF FIGURES

	Page No.
Figure 1 LOCATION MAP	2
Figure 2 CLAIM MAP	4
Figure 3 GEOLOGY MAP	6

LIST OF APPENDICES

Appendix A	STATEMENT OF QUALIFICATIONS
Appendix B	STATEMENT OF EXPENDITURES
Appendix C	DIAMOND DRILL LOGS, ASSAY SUMMARY AND DRILL SECTIONS
Appendix D	ANALYTICAL RESULTS AGAT LABORATORIES

1.0 SUMMARY

The 1st Base claim group is located in the Finlayson Lake VMS district of east central Yukon Territory. The district hosts significant mineral resources in multiple deposits. The deposits in the district occur in volcanic rocks of Devonian-Mississippian and Carboniferous ages. These deposits have been classified as Kuroko- and Bessemer-types. The deposits are generally stratabound within units of felsic volcanic rocks (Kuroko-type) or mafic volcanic rocks (Bessemer-type). The stratigraphy on the claim block correlates with the layered metamorphic sequence of the regional geology.

The property is 200 kilometres northwest of Watson Lake, Yukon. Access to the property is by Helicopter from the Robert Campbell Highway 50 kilometres north of the property shown on Figure 1. The 1st Base claim group is composed of 28 Quartz claims with an area of 665 hectares.

Four anomalous copper, lead and zinc geochemical anomalies are found on and below gossan zones on the Property. The strongest anomaly "A" has copper-in-soil values greater than 250 ppm over a 300 by 400 meter area with coincident lead and zinc anomalous values. Anomaly "B" is a 300 by 300 metre area with copper values of greater than 200 ppm copper-in-soil

Magnetic and EM geophysical surveys have located a number of conductors on the property. Three drill holes (357 metres) in 1997 tested several anomalies in a cirque below the geochemical anomalies and stratigraphically lower in the geological section. The conductors proved to be graphitic horizons.

Two anomalous metal-in-soil targets were tested by diamond drilling in 2011. The two holes totaled 246.8 metres and were drilled vertical (-90°).

- Target 1 – Anomaly "A" – A felsic (meta-rhyolite) unit associated with the large copper-in-soil anomaly situated at the top of a ridge. Drill hole FB11-01 (158.4 metres) is located on the 1st Base 30 claim and tested for the source of the weakly mineralized float train dispersed in cirque to the northeast. The potential source was interpreted to be in the lower plate rocks under the mapped thrust fault. The drill hole encountered felsic meta-volcanic rocks made up of quartz-feldspar-muscovite-biotite schist with sections including chlorite that commonly displayed deformation by folding. No mineralization was intersected except for minor galena-sphalerite in a narrow quartz vein at 18.5 metres. Limonite lined cavities were noted in massive meta-rhyolite that were similar, although lacking in azurite-smithsonite, to the anomalous float samples found on the slope north of the drill hole.

- Target 2 – Anomaly "B" is a copper-lead-zinc-in-soil anomaly that is located around a mountainous peak in the northwest corner of the property. The target was potential Kuroko type VMS mineralization. Drill hole FB11-02 (88.4 metres) intersected quartz-chlorite-muscovite-biotite-feldspar schist rocks of the Paleozoic meta-sedimentary sequence. No mineralization was noted in the drill hole.

The two drill holes did not determine the source of the geochemical anomalies. Further evaluation of the geological and geochemical targets is recommended.



1st BASE PROPERTY

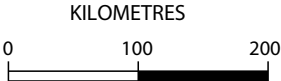
ARCTURUS VENTURES INC.

1st BASE PROPERTY
YUKON TERRITORY

LOCATION MAP

DATE: February, 2011

FIGURE: 1



2.0 INTRODUCTION

The 1st Base Property is located in the Watson Lake Mining District on Map sheet 105 G 07. The 1st Base claim group is located in the Finlayson Lake VMS district of east central Yukon Territory. The district hosts significant mineral resources in multiple deposits. The deposits in the district occur in volcanic rocks of Devono-Mississippian and Carboniferous ages. These deposits have been classified as Kuroko- and Besshi-types. The deposits are generally stratabound within units of felsic volcanic rocks (Kuroko-type) or mafic volcanic rocks (Besshi-type). The stratigraphy on the claim block correlates with the layered metamorphic sequence of the regional geology. The property is 200 kilometres northwest of Watson Lake, Yukon. Access to the property 2011 was by Helicopter from camp at the Inconnu Lodge at McEvoy Lake.

The claim group has undergone early stage exploration including; airborne EM and magnetic surveys, reconnaissance silt and soil geochemical sampling, prospecting and reconnaissance geological mapping and three diamond drill holes. A portion of the 1st Base claims were covered with grid soil sampling that did not include multi-element ICP analyses. These preliminary surveys identified four prospective metal-in-soil anomalies. Follow up detailed sampling confirmed the original anomalies and diamond drilling was proposed to test the underlying rocks for a bedrock source of the metals-in-soil.

Two diamond drill holes were completed in 2011 to test the two strongest geochemical anomalies “A” and “B”.

3.0 LOCATION AND ACCESS

The 1st Base claims are located immediately west of Grass Lakes on Map sheet 105 G 07. The Property is 200 kilometres northwest of Watson Lake, Yukon. Access to the property is by helicopter from Ross River 75 kilometres to the northwest and staging areas along the Robert Campbell Highway near Finlayson Lake. The 2011 diamond drilling program was helicopter-supported from the base at the Inconnu Lodge on McEvoy Lake 75 kilometres northeast of the Property.

The property covers a prominent northerly trending ridge with adjacent valleys. The terrain is alpine featuring rocky cirques and steep slopes divided by steep sided creek valleys.

4.0 PROPERTY

The property is comprised of 28 quartz claims (665 hectares) located on NTS map sheet 105G 07 shown in Figure 2 and listed in the Table.

Table: 1st Base Claims

1 st Base 1 – 4	YB51866 – YB51869	November 30, 2015
1 st Base 13 – 20	YB51878 – YB51885	November 30, 2015
1 st Base 28 – 44	YB51894 – YB51909	November 30, 2015

The claims are 100% owned by Arcturus Ventures Inc.

5.0 HISTORY

The 1st Base claims area has been intermittently explored since 1966 by a number of different companies. The exploration consisted of reconnaissance geochemical and geophysical surveys that have never been followed up with diamond drilling. The phases of exploration coincided with discoveries of base metal deposits beginning with Faro in 1966 and Kudz Ze Kayah in 1994.

The 1st Base claims were staked by B. Macdonald in 1994 and carried out mapping and soil sampling in 1995. The claim area was included in a regional airborne geophysical survey flown by Aerodat Inc. Arcturus Resources Ltd. optioned the property and carried out detailed soil sampling, geological mapping and ground geophysical programs in 1996. Arcturus Resources Ltd. conducted a detailed max-min survey and drill three diamond drill holes (357 metres) in 1997. The exploration identified at least four anomalous areas of copper-lead-zinc in-soil. The source of the anomalies was not determined and the max-min anomalies were determined to be produced by graphitic shale horizons intersected in the drill holes. In 1999 Arcturus Resources Ltd. changed to Arcturus Ventures Inc. (Yukon Minfile)

In 2010 Arcturus Ventures Inc. carried out soil sampling and geological mapping in the four soil anomalies identified on the property in 1996. The Anomalies were identified as "A", "B", "C" and "D". Prospecting and geological mapping located pyrite mineralization in black shales on Anomaly D and oxide mineralization (azurite-smithsonite) in cavities within massive bedded rhyolite float on the slope below Anomaly "A".

6.0 GEOLOGICAL SETTING

The 1st Base property is in the Yukon Tanana Terrane (YTT) in southeastern Yukon most recently mapped by Murphy and Piercey (1999 and 2000). The YTT in the 1st Base area is composed of a package of rocks termed the Layered Metamorphic Sequence (LMS). The LMS is a penetratively deformed volcano-sedimentary assemblage previously referred to as the Nasina Quartzite and Klondike Schist. The LMS has been intruded by contemporaneous meta-gabbro sills and a group of Palaeozoic plutonic and meta-plutonic rocks. Cretaceous to Tertiary aged volcanic, sub-volcanic and plutonic rocks intruded the package of rocks.

Two phases of deformation with regional metamorphism are recognized in the YTT. The regional metamorphism is in the green schist to lower amphibolite facies. The sub-horizontal foliation is sub-parallel to the compositional layering. The foliation in the 1st Base area strikes west to northwest and dips gently to the north and northwest.

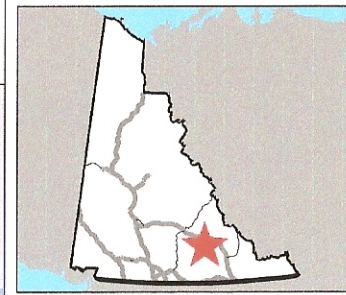
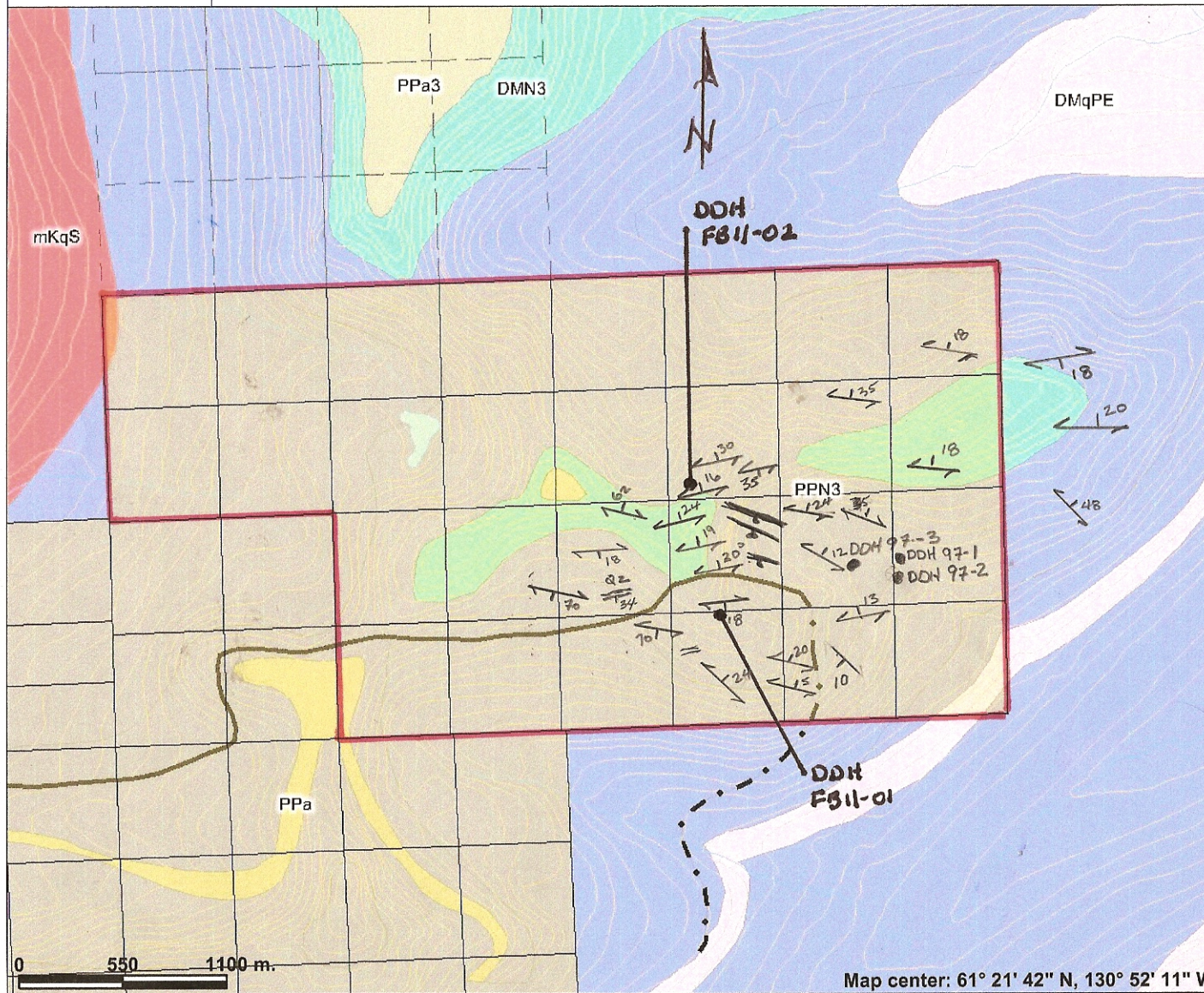
There are four rock units mapped on the 1st Base property.

The property geology is displayed on Figure 3. The rock units are meta-sedimentary or meta-volcanic rocks. The units correlate with regional units mapped by Murphy and Piercey (1999 and 2000).

The property is underlain by biotite-muscovite-feldspar-quartz schist, micaceous quartzite (Dq) and marble (Dqc). Biotite-plagioclase-actinolite-chlorite schist (Dqm) and feldspar-muscovite-quartz schist unit of probable volcanic protolith (Df) that occurs in the upper plate of a local thrust fault. To the north and west of the property a granodiorite pluton of the mid-Cretaceous Selwyn Suite (mKqS) intrudes the sequence.

FIGURE 3.

1st Base Geology



Legend

- ↗ Yukon Border - Surveyed
- Quartz Claims**
- Active
- Expired
- Faults (250K)**
- ↗ defined
- ↗• approximate
- ↗• assumed
- ↗• extrapolated
- ↗ defined
- ↗• extrapolated
- ↗ defined
- ↗• approximate
- ↗• assumed
- ↗• extrapolated
- ↗ defined
- ↗• approximate
- ↗• assumed
- ↗• extrapolated
- National Road Network - All Roads**
- ↗ Expressway / Highway
- ↗ Arterial
- ↗ Collector
- ↗ Ramp
- ↗ Resource / Recreation
- ↗ Local / Street
- ↗ Local / Strata
- ↗ Local / Unknown
- ↗ Alley or Service Lane
- ↗ Service Lane
- ↗ Winter

Map center: 61° 21' 42" N, 130° 52' 11" W

Scale: 1:32,283

This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

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Geological Legend to accompany Figure 3 1st Base

MID-CRETACEOUS



mKS: SELWYN SUITE

plutonic suite of intermediate (g) to more felsic composition (q) and rarely syenitic (y); equivalent felsic dykes (f); complete compositional gradation so that these designations are somewhat arbitrary

- f. felsic dykes (**Selwyn Suite**)

- q. equigranular to porphyritic (K-feldspar) biotite +/- hornblende +/- muscovite granite, quartz monzonite and granodiorite; porphyritic biotite hornblende granite with large smoky grey quartz phenocrysts and locally K-feldspar phenocrysts (**Selwyn Suite**)

DEVONIAN, MISSISSIPPIAN AND(?) OLDER

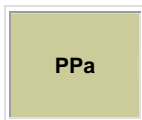


DMN: NASINA

graphitic quartzite and muscovite quartz-rich schist (1), (3)-(5), and(?) (6) with interspersed marble (2) and probable correlative successions (7) - (9)

1. dark grey to black, fine grained graphitic and non-graphitic quartzite, grey micaceous quartzite and quartz muscovite (+/-chlorite; +/- feldspar augen) schist, locally garnetiferous; minor graphitic stretched metaconglomerate and metagrit (**Nasina assem.**)
2. marble (**Nasina assem.**)
3. quartzite, micaceous quartzite, quartz muscovite (+/-chlorite; +/- feldspar augen) schist, and minor metaconglomerate and metagrit as in (1), but may locally include significant Nisling Assemblage
4. quartzite, micaceous quartzite, quartz muscovite (+/-chlorite; +/- feldspar augen) schist, and minor metaconglomerate and metagrit as in (1), but may locally include significant Klondike Schist Assemblage
5. black-weathering, massive, dark grey to black strongly graphitic quartzite with lesser grey micaceous quartzite and quartz mica schist; commonly shows alternating light and dark grey colour lamination (**Nasina quartzite**)
6. biotite schist or gneiss; association uncertain, may belong to Nisling Assemblage

PROTEROZOIC AND PALEOZOIC



PPa: AMPHIBOLITE

metamorphosed mafic rocks including amphibolite (1) and ultramafic rocks (2) of unknown association; i.e.) may belong in part or entirely to Nisling, Nasina, and Slide Mountain assemblages and (3), mafic-ultramafic intrusions within Nasina assemblage

1. medium to dark green weathering chlorite (+/-biotite) schist, amphibolite, banded amphibolite gneiss, garnet amphibolite; minor chloritic quartz-mica schist, graphitic quartz-mica schist, quartzite, and limestone
2. variably altered and serpentinized ultramafic rocks
3. calcareous actinolite-plagioclase-chlorite-biotite schist, plagioclase-actinolite-chlorite schist, and lesser carbonaceous phyllite and quartzite; metamorphosed ultramafic rocks including dunite and pyroxenite, locally serpentinized

7.0 MINERALIZATION

Anomalous copper, lead and zinc geochemical anomalies are found on and below gossan zones. Four soil geochemical anomalies have been identified on the property. The strongest anomaly "A" has copper-in-soil values greater than 250 ppm over a 300 by 400 metre area with coincident lead and zinc anomalous values. Anomaly "B" has copper-in-soil values of greater than 100 ppm over an 300 by 300 metre area also with coincident lead and zinc values.

Magnetic and EM geophysical surveys have located a number of conductors on the property. Three drill holes (357) tested several anomalies in a cirque below the geochemical anomalies and stratigraphically lower in the geological section. The conductors proved to be graphitic horizons (Davidson, 1997).

The rock sampling program in 2010 collected 34 samples from outcrop and float. All samples contained sulphide mineralization that was predominantly pyrite. The highest assay values were from a float sample of orange weathering massive felsic rock that contained abundant cavities that contained blue weathering oxides (possibly azurite or smithsonite) that yielded results of 311 ppm copper, 7350 ppm lead and 374 ppm zinc. The sample was from a dispersed boulder train in the cirque wall below Anomaly "A" (Stroshein, 2011).

Rusty orange or red weathered buff colored quartz-muscovite-sericite schist horizons are distinctive in outcrop. The units are weakly anomalous in copper and zinc (up to 143.5 ppm copper and 436 ppm zinc) and are probable felsic volcanic units or possibly exhalative horizons within the volcano-sedimentary sequence. These horizons occur within Anomalies "A", "B" and "C".

In the northeastern portion of the property outcrop of graphitic schist with abundant disseminated pyrite is exposed along the ridge crest. Rock samples are weakly anomalous in copper-zinc with assay results of up to 145.5 ppm copper and 354 ppm zinc. The occurrence coincides with anomaly "D" identified in the 1996 exploration program that is predominantly a zinc-in-soil anomaly with values greater than 600 ppm and coincident lead-in-soil value of greater 50 ppm up to 135.5 ppm. The geologic setting is similar to shale hosted zinc-lead (SEDEX) type deposits.

8.0 2011 DIAMOND DRILLING PROGRAM

The diamond drilling program was conducted by Kluane Drilling Ltd. of Whitehorse Yukon. Helicopter support was provided by Kluane Air and the core was logged and sampled by Dr. Tim Liverton.

Two anomalous targets were tested by diamond drilling in 2011. The two holes totaled 246.8 metres and were drilled vertical (-90°). The locations of the drill holes are displayed on Figures 2 and 3.

- Target 1 – Anomaly "A" – A felsic (meta-rhyolite) unit associated with the large copper-in-soil anomaly situated at near the top of ridge on the 1st Base 29 – 32 claims. Drill hole FB11-01 (158.4 metres) is located on the 1st Base 30 claim (UTM Nad 83, 400 500 East and 6 804 450 North) and tested for the source of the weakly mineralized float train dispersed in cirque to the northeast. The potential source was interpreted to be in the lower plate rocks under the mapped thrust fault. The target was Kuroko type mineralization or a source possibly related to the thrust fault. The drill hole encountered felsic meta-volcanic rocks made up of quartz-feldspar-muscovite-biotite schist with sections including chlorite that commonly displayed deformation by folding. No mineralization was intersected except for minor galena-sphalerite in a narrow quartz vein at 18.5 metres. Limonite lined cavities were noted in massive meta-rhyolite that were similar, although lacking in azurite-smithsonite, to the anomalous float samples found on the slope north of the drill hole.

●Target 2 – Anomaly “B” – A copper-lead-zinc-in-soil anomaly that is located on the 1st Base 31 – 34 claims. The target was potential Kuroko type VMS mineralization. Drill hole FB11-2 (88.4 metres) (UTM Nad 83, 400 310 East and 6 804 600 North) was drilled on the 1st Base 34 claim and intersected quartz-chlorite-muscovite-biotite-feldspar schist rocks of the Paleozoic meta-sedimentary sequence. No mineralization was noted in the drill hole.

Drill logs and cross sections for the two drill holes are included in Appendix C.

9.0 SAMPLING METHODS AND APPROACH

The drill core was logged and sampled at the drill sites and the core is stored at each individual drill site. Sample intervals were based on systematic intervals. A total of 33 samples were collected from the drill hole FB11-01 and no samples were collected from drill hole FB11-02. Samples were obtained by splitting core intervals with a hand operated wheel splitter with one half returned to the core box and the other half placed in a labeled poly sample bag. Sample intervals were nominally 0.3 metres in length. The sample intervals and selected elements are presented in Appendix C.

10.0 SAMPLE PREPARATION, ANALYSIS AND SECURITY

Multi-element analyses for rock samples were carried out at AGAT Laboratories Mississauga, Ontario. Each sample was dried, fine crushed to better than 70% passing -2mm and then a 250 gram split was pulverized to better than 85% passing 75 micron. The fine fraction was then analyzed for gold using fire assay followed by inductively coupled plasma-atomic (ICP) emission spectroscopy analysis. Mercury and 41 other elements were analyzed by using an aqua regia digestion and inductively coupled plasma-atomic emission spectroscopy analysis ICP-OES and Hg-CVAA. AGAT Laboratories is an independent commercial assay company. The assay certificate is included in Appendix D.

Employees of Arcturus Ventures Inc. delivered the samples directly to the preparation laboratory of AGAT Laboratories located in Whitehorse. The samples were prepared in Whitehorse and sent for analysis to Mississauga.

11.0 CONCLUSIONS AND RECOMMENDATIONS

Since the source of the geochemical anomalies has not been adequately determined it is recommended that the Property is re-evaluated. Further evaluation will require additional diamond drilling to test for prospective horizons. Drill holes are recommended to test the stratigraphy below and along trend of the rusty orange or red weathered buff colored quartz-muscovite-sericite schist horizons that are distinctive in outcrop. The units are weakly anomalous in copper and zinc (up to 143.5 ppm copper and 436 ppm zinc) and are probable felsic volcanic units or possibly exhalative horizons within the volcano-sedimentary sequence. These horizons occur within Anomalies “A”, “B” and “C”.

In the northeastern portion of the property outcrop of graphitic schist with abundant disseminated pyrite is exposed along the ridge crest. Rock samples are weakly anomalous in copper-zinc with assay results of up to 145.5 ppm copper and 354 ppm zinc. The occurrence coincides with anomaly “D” identified in the 1996 exploration program that is predominantly a zinc-in-soil anomaly with values greater than 600 ppm and coincident lead-in-soil value of greater 50 ppm up to 135.5 ppm. The geologic setting is similar to shale hosted zinc-lead (SEDEX) type deposits. It is recommended to test the horizon by drilling.

12.0 REFERENCES

- Davidson, G.S., 1997. Assessment Report on the 1st Base claims Grass Lakes area, NTS 105 G – 7, Assessment Report Number 093647.
- Murphy, D.C. and Piercey, S.J., 1999. Open File 1999 – 4, Geological Map of parts of Finlayson Lake (105 G/7,8 and parts of 1,2 and 9) and Frances Lake (parts of 105H/5 and 12) map areas, southeastern Yukon (1:100,000 scale).
- Murphy, D.C. and Piercey, S.J., 2000. Syn-mineralization faults and their re-activation, Finlayson Lake massive sulphide district, Yukon-Tanana Terrane, southeastern Yukon. In: Yukon Exploration and Geology 1999, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p.55-66.
- Stroshein, R.W., 2011. Assessment Report on the 2010 Geological and Geochemical Program. Assessment Report for Acturus Ventures Inc. filed with the Watson Lake District Mining Recorder, Yukon.
- Yukon Minfile. Map Sheet 105 G. Yukon Geology Program, Whitehorse, Yukon.

APPENDIX A

STATEMENT OF QUALIFICATIONS

I, Robert W. Stroshein, P.Eng. do hereby certify that:

- 1) I am currently self-employed, with an office at
106 – #3 Glacier Lane
P.O. Box 10559 Station Main
Whitehorse, Yukon, Canada
Y1A 7A1
- 2) I graduated with a BSc. Degree in Geological Engineering from the University of Saskatchewan at Saskatoon, SK in 1973.
- 3) I am a member of the Association of Professional Engineers of Yukon Territory (Registered Professional Engineer, No. 1165).
- 4) I have worked as an Exploration Geologist for a total of thirty-eight years since graduation from university primarily in Yukon.
- 5) I have examined the mineralization and host lithologies in the Finlayson Lake VMS district and have been an active participant in exploration programs in the region since 1974. I have conducted geochemical and geophysical surveys, geological mapping and diamond drilling on a number of properties in the region including the Fyre Lake Property.
- 6) I conducted geological mapping and sampling on the 1st Base property in 2010 and reported on the results, recommending diamond drilling on the Property. I directed the planning for the drilling in 2011, examined drill core and results and I have prepared this report on the program.

Dated at Whitehorse, Yukon Territory this 10th day of May, 2012



Robert W. Stroshein, P.Eng.



May 2012

APPENDIX B

**Arcturus Ventures Inc.
1st Base Claims
Statement of Costs
Diamond Drilling 2011**

**105G 07
Watson Lake Mining District**

Claim Name	Claim Number	Drill Hole	Footage (meters)	Date (From)	Date (To)	Drilling Cost
1st Base 30	YB 51895	FB-11-01	158.4	26-Jun-11	29-Jun-11	\$23,247.71
1st Base 34	YB 51899	FB-11-02	88.39	30-Jun-11	3-Jul-11	\$15,856.56
	Totals		246.79			\$39,104.27

MAY 10, 2012

APPENDIX C

ARCTURUS VENTURES INC.

1ST Base Claims

2011 DIAMOND DRILLING PROGRAM

DIAMON DRILL HOLE LOGS

ASSAY SUMMARY

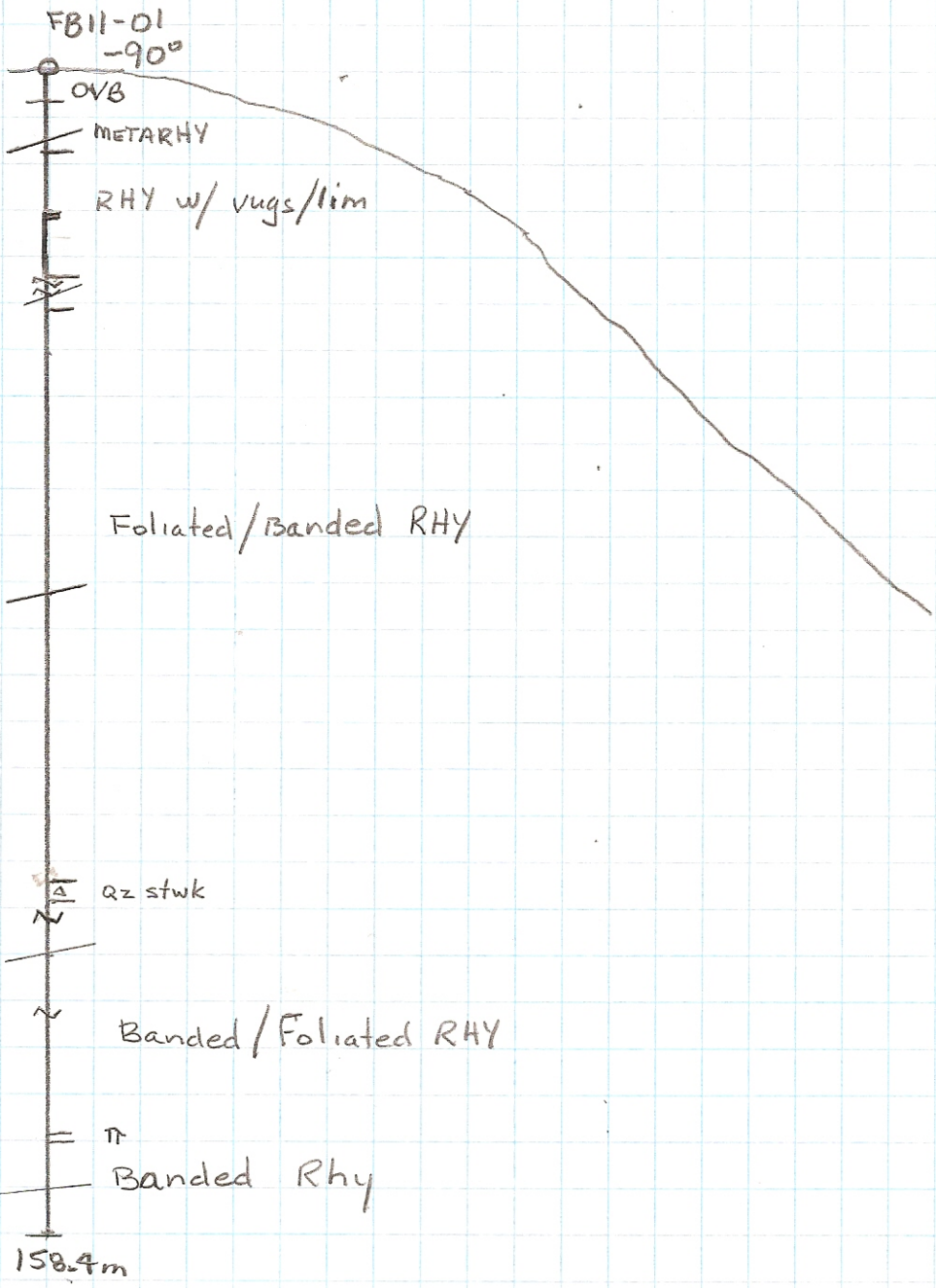
And

DRILL SECTIONS

FROM		TO		LITHOLOGY DDH FB 11-01	STRUCTURE	
Feet		Metres			At	α
0.0	15.0	0.00	4.57		Broken core: 3 'sticks' to 20cm, but most \leq 5cm. Iron-stained mid grey metarhyolite. Grainsize \leq 0.5mm.	
15.0	24.5	4.57	7.47	More solid core. Sticks to 30cm. Iron-stained metarhyolite.		
24.5	26.2	7.47	7.99	Metarhyolite, slightly foliated with open vughs (to 5x20mm) and frequent limonite-filled voids (1-2mm), some but not all cubic pseudomorphs.	7.6	68
26.2	32.0	7.99	9.75	Less iron staining and few pseudomorphs		
32.0	37.6	9.75	11.46	Micro fractures at all angles cut the core (but it is mostly solid). Limonite along some of the fractures.		
37.6	62.5	11.46	19.05	Solid grey rhyolite. Has occasional 50mm sections where limonite-coated voids are found.		
62.5	65.6	19.05	19.99	Major quartz vein. Iron stained along fractures. Has 4 vughs to 40mm long with iron coating and some rare (\leq 1mm fresh pyrite).		
65.6	73.8	19.99	22.49	Grey fairly massive rhyolite. The interval 21.79-22.25m shows a foliation and \approx 15% feldspar phenocrysts (1mm).	20	70
73.8	75.0	22.49	22.86	Iron stained rhyolite with a few 2mm voids		
75.0	80.0	22.86	24.38	Massive rhyolite		
80.0	91.5	24.38	27.89	Iron stained rhyolite. 1mm layers from 2-4cm apart containing voids		
91.5	92.0	27.89	28.04	Fracture zone. Rock is broken (2cm max lengths) and with a little quartz.		
92.0	99.0	28.04	30.18	Iron stained rhyolite with voids, as before.		
99.0	100.2	30.18	30.54	Fracture zone 3cm pieces.		
100.2	110.3	30.54	33.62	Solid core. Banded rhyolite. A few voids at 32.61m	32.6	70
110.3	110.6	33.62	33.71	Fracture zone (solid core) brecciated.		
110.6	112.0	33.71	34.14	Solid core: foliated in 3mm colour bands: white to grey.		
112.0	126.0	34.14	38.40	Iron stained rhyolite with layers of voids 1-5mm thick. Badly broken (5cm pieces) from 37.2-38.4m. Some clay with the pieces from 38.1-38.4m		
126.0	127.4	38.40	38.83	Finely ground rock (5mm) and quartz		
127.4	170.4	38.83	51.94	Solid core. Light grey foliated rhyolite. From 42.15-42.21m iron stained interval with ovoid feldspar porphyroblasts. 46.94-48.16m Broken section, \leq 5cm pieces. Much iron staining from 48.16-48.68m (but few voids). 48.68-49.04 broken core. Fractures at $\alpha = 19^\circ$. 49.04-49.62 solid fairly massive rhyolite. 49.62-50.23m Core fractured // axis. Iron oxides and clays along the fractures. 50.23-51.91m solid massive rhyolite	44.2	74
170.4	171.2	51.94	52.18	Broken core with limonite and clay showing few voids except for at 53.28m where a layer of limonite boxworks 5mm thick occurs.		
171.2	308.0	52.18	93.88	Solid core. Foliated metarhyolite with frequent (every 2-5cm) layers of limonite filled voids to 4cm thick. The foliation is much more distinct from 59.13-93.88m. This whole interval shows compositional banding (1-2mm darker layers). Some sections show prominent elongate (?) feldspar porphyroblasts (5% of volume). From 58.2 on there is less iron staining and voids.	71.63	77
308.0	311.0	93.88	94.79	65.23-65.53m = green quartz with limonite staining on fractures. Further solid quartz at 77.27 (10cm). Broken 82.3-82.91m with limonite on fractures. 83.36-83.97 shows yellow clay in a brecciated section.		
311.0	364.0	94.79	110.95	White, finely banded metarhyolite	103.02 109.03	75 87
364.0	371.0	110.95	113.08	Finely banded metarhyolite continues: mostly 2mm layers.		
371.0	376.5	113.08	114.76	Brecciated zone (solid core). Quartz veins form an anastomosing network & are \leq 2cm thick.	114	62
376.5	378.0	114.76	115.21	Finely banded metarhyolite. Quartz veins at 112.93 (3cm) and 113.05 (1cm).		
378.0	380.2	115.21	115.88	Brecciated: clasts to 1cm with clay.		
380.2	385.0	115.88	117.35	Brecciated: solid core with quartz (25cm)		
385.0	391.0	117.35	119.18	Fractures run subparallel to core		
391.0	392.6	119.18	119.66	Banded metarhyolite		
392.6	421.0	119.66	128.32	Quartz veins to 8cm- fractured and limonite stained		
421.0	422.3	128.32	128.72	Light grey slightly more massive metarhyolite	122.53	78
422.3	433.0	128.72	131.98	Fault zone: broken core (5cm) & grey pug (clay)		
433.0	435.0	131.98	132.59	Banded metarhyolite 40% darker phenocrysts or porphyroblasts to 2mm long		
435.0	441.0	132.59	134.42	Slightly brecciated and 'wavy-banded' schist. The rock has 50-60mm clasts of lighter material in the foliated matrix: probably a volcanic breccia		
441.0	442.5	134.42	134.87	'Spotted' and banded metarhyolite or perhaps tuff. Brown and dark grey layers (biotite or perhaps cordierite in 3mm phenocrysts).		
442.5	445.5	134.87	135.79	Same, with 0.5-3mm white calcite-bearing layers 5 to 40mm apart.		
445.5	458.0	135.79	139.60	Slightly brecciated zone - (solid core in part). Some yellow clay-limonite filled fractures to 135.33m, then quartz veined at 0-10 $^\circ$ to core axis.		
458.0	476.0	139.60	145.08	Some fracturing and quartz veins at 0-70 $^\circ$, quartz to 8mm thick.		
476.0	478.0	145.08	145.69	Solid light grey banded metarhyolite.	141.73	75
478.0	490.0	145.69	149.35	Distinct porphyritic rock: Slightly green porphyroblasts are \leq 15mm long (40% volume) and subhedral to ovoid in shape. Groundmass 0.5mm grainsize. Orthogneiss.		
				Medium grey coarsely banded metarhyolite. Some fractures at $\alpha = 5-10^\circ$ from 148.44-149.2m	148.13	84
				149.35 = EOH		

Arcturus Ventures Inc.
Diamond Drill Assay Summary Sheet

From (ft)	To (ft)	From (m)	To (m)	Width (m)	Prefix	Sample No.	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mn (ppm)	As (ppm)	Fe (%)	K (%)	Au (ppm)
15	16	4.6	4.9	0.3	E	5238061	0.2	22.4	20.8	36.6	18	6	0.62	0.36	<0.001
30	31	9.1	9.4	0.3	E	5238062	0.4	61.7	175	182	53	244	1.71	0.68	0.001
45	46	13.7	14.0	0.3	E	5238063	<0.2	17.1	44.1	447	803	5	1.2	0.8	<0.001
60	61	18.3	18.6	0.3	E	5238064	<0.2	14.1	30.1	358	588	3	1.07	0.69	<0.001
61	65	18.6	19.8	1.2	M	10423	0.3	37.2	86.4	54.6	38	1	0.76	0.17	0.001
75	76	22.9	23.2	0.3	E	5238065	0.7	73.2	281	529	990	2	1.18	0.92	0.004
90	91	27.4	27.7	0.3	E	5238066	<0.2	52.5	10.2	268	304	3	1.1	0.38	<0.001
105	106	32.0	32.3	0.3	E	5238067	0.3	22.5	6.1	42.9	334	3	0.84	0.38	<0.001
120	121	36.6	36.9	0.3	E	5238068	0.2	20	4	303	875	2	0.91	0.41	<0.001
135	136	41.1	41.5	0.3	E	5238069	<0.2	14.5	3.9	83.5	499	7	1.21	0.46	<0.001
150	151	45.7	46.0	0.3	E	5238070	<0.2	12.6	3.4	27	518	6	1.1	0.41	0.003
165	166	50.3	50.6	0.3	E	5238071	<0.2	11.8	4.9	34.1	575	1	1.11	0.47	<0.001
180	181	54.9	55.2	0.3	E	5238072	<0.2	1.9	8.6	28.1	376	2	0.64	0.78	<0.001
195	196	59.4	59.7	0.3	E	5238073	<0.2	133	7.2	251	440	5	2.48	1.11	0.001
210	211	64.0	64.3	0.3	E	5238074	<0.2	48.2	5.8	133	956	2	3.32	1.96	0.001
225	226	68.6	68.9	0.3	E	5238075	<0.2	89.4	8.8	210	1950	3	2.05	0.85	<0.001
240	241	73.2	73.5	0.3	E	5238076	<0.2	134	4.3	144	442	6	2.12	0.65	<0.001
255	256	77.7	78.0	0.3	E	5238077	<0.2	102	4.7	49.8	197	1	0.99	0.44	<0.001
265	266	80.8	81.1	0.3	E	5238078	<0.2	36.2	5.7	329	1540	3	4.6	0.48	<0.001
270	271	82.3	82.6	0.3	E	5238079	<0.2	48.4	4.6	264	665	8	3.55	0.37	<0.001
280	281	85.3	85.6	0.3	E	5238080	<0.2	17	12.8	88.3	2240	5	5.6	3.27	<0.001
295	296	89.9	90.2	0.3	E	5238081	4.7	38.5	13.7	180	701	8	2.87	1.31	0.001
310	311	94.5	94.8	0.3	E	5238082	<0.2	10.3	5.3	101	979	<1	5.59	3.06	<0.001
325	326	99.1	99.4	0.3	E	5238083	<0.2	2.2	8.8	57.7	1030	<1	1.87	0.98	<0.001
350	351	106.7	107.0	0.3	E	5238084	<0.2	65.6	5.2	63.6	701	1	4.32	1.16	0.001
380	381	115.8	116.1	0.3	E	5238085	<0.2	15.5	6.5	38.6	169	208	0.89	0.47	<0.001
395	396	120.4	120.7	0.3	E	5238086	<0.2	14.8	2.6	50.2	78	6	1.83	0.47	<0.001
410	411	125.0	125.3	0.3	E	5238087	<0.2	20.1	19.4	74.6	153	49	1.36	0.4	<0.001
425	426	129.5	129.8	0.3	E	5238088	<0.2	5.4	5.5	78.7	1180	7	6.53	2.93	<0.001
440	441	134.1	134.4	0.3	E	5238089	<0.2	22.8	6.9	78.9	971	<1	5.13	1.4	<0.001
455	456	138.7	139.0	0.3	E	5238090	<0.2	22.3	21.9	200	1160	48	3.5	0.44	<0.001
470	471	143.3	143.6	0.3	E	5238091	<0.2	20.7	5.5	62.3	789	4	4.16	1.43	<0.001
486	487	148.1	148.4	0.3	E	5238092	<0.2	24.6	8.9	66.8	1080	2	4.85	2.41	<0.001



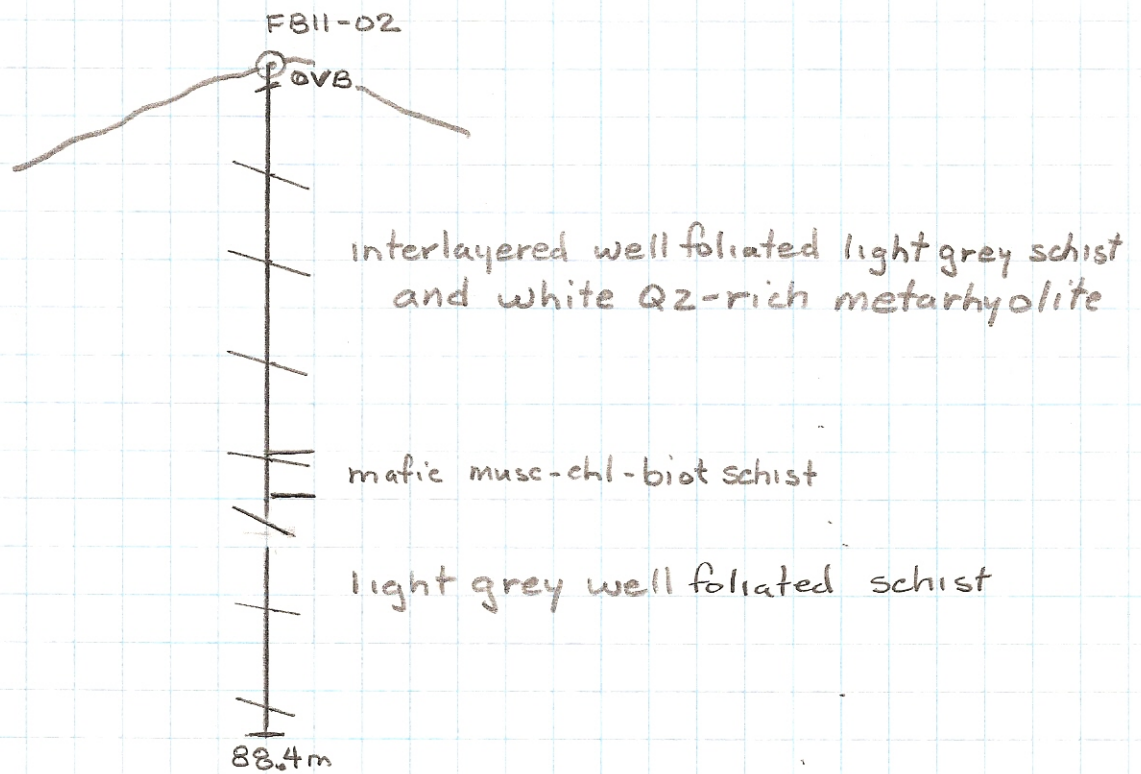
metres
 0 10 20
 Scale
 1 : 100


SECTION
 DDH FB11-01

Looking West
 400 500 EAST UTM NAD83
 6 804450 NORTH UTM NAD83

June 26 to June 29, 2011

FROM		TO		LITHOLOGY DDH FB 11-02	STRUCTURE	
Feet		Metres			At	α
0.0	10.0	0.00	3.05		Broken core: pieces 2 to 12cm. Well foliated mid grey metavolcanic. 2mm layers.	4.88
10	57.5	3.05	17.53	Light grey well-foliated schist (metavolcanic). From 9.1m the core is in long 'sticks'. No mineralization. Fairly massive 13.41-14.02m. White layers 1-6mm thick every 4mm or so contain some calcite.	14.33	70
57.5	55.7	17.53	16.98	White, quartz rich foliated metarhyolite. Consists of 2-5mm somewhat lenticular quartz-feldspar layers with alternating grey muscovite-rich layers 1mm thick.		
55.7	57.5	16.98	17.53	Light grey well-foliated schist (metavolcanic).		
57.5	63	17.53	19.20	White, quartz rich foliated metarhyolite.		
63	75	19.20	22.86	Foliated metavolcanic as before. Broken core 21.95-22.25m	21.64	76
75	78	22.86	23.77	White, quartz rich faintly-foliated metarhyolite.		
78	90	23.77	27.43	foliated metavolcanic as before. Has calcite-bearing felsic layers	25.3	74
90	92.5	27.43	28.19	White, quartz rich foliated metarhyolite.		
92.5	93.8	28.19	28.59	Light grey well-foliated schist (metavolcanic).		
93.8	99	28.59	30.18	White, quartz rich foliated metarhyolite.		
99	103	30.18	31.39	Light grey well-foliated schist (metavolcanic).		
103	107.5	31.39	32.77	White, quartz rich foliated metarhyolite.		
107.5	109.5	32.77	33.38	Light grey well-foliated schist (metavolcanic).		
109.5	110.5	33.38	33.68	White, quartz rich foliated metarhyolite.		
110.5	112.1	33.68	34.17	Light grey well-foliated schist (metavolcanic).	33.83	72
112.1	113.5	34.17	34.59	White, quartz rich foliated metarhyolite.		
113.5	137	34.59	41.76	Light grey well-foliated schist (metavolcanic). At 34.90m isoclinal ($F_1 + F_2$) folds of a white 4mm layer are seen.	39.62	75
137	138.5	41.76	42.21	White, quartz rich foliated metarhyolite.		
138.5	141	42.21	42.98	Light grey well-foliated schist (metavolcanic).		
141	143.2	42.98	43.65	White, quartz rich foliated metarhyolite.		
143.2	149	43.65	45.42	Light grey well-foliated schist (metavolcanic).		
149	151.9	45.42	46.30	White, quartz rich foliated metarhyolite.		
151.9	156.7	46.30	47.76	Light grey well-foliated schist (metavolcanic).		
156.7	160	47.76	48.77	White, quartz rich foliated metarhyolite.		
160	170	48.77	51.82	Light grey well-foliated schist (metavolcanic). $\approx 20\%$ is discontinuous white, calcite-bearing layers. At 49.07m there is 4cm quartz and 20cm broken core. At 52.12m a fracture 3mm wide cuts the core at $\alpha = 33^\circ$.	51.82	78
170	187.2	51.82	57.06	Black, mafic muscovite-chlorite- (?) biotite schist, perhaps slightly serpentized. Contains a small amount of calcite (1mm 'pods') along the foliation. A trace of pyrite (occasional 5mm 'blebs' & 1mm crystals, but $\ll 1\%$) is present. Mafic metavolcanic.	52.12	81
187.2	226	57.06	68.88	Light grey well-foliated schist (metavolcanic). Still contains some calcite.		
226	227.2	68.88	69.25	White, quartz rich foliated metarhyolite.	60.66	67
227.2	227.5	69.25	69.34	Quartz		
227.5	290	69.34	88.39	Light grey well-foliated schist (metavolcanic). Some particularly chloritic intervals (5mm foliation-parallel chlorite layers) are seen at 72.76-73.15m. An isoclinally folded leucocratic layer is seen at 78.00m. A further leucocratic layer from 81.99-82.27m has two 5mm 'blebs' of pyrite. Further leucocratic intervals are from 85.10-85.18m and 86.75-87.23m (slight foliation - mica layers <0.5 mm thick, felsic layers 2-3mm), also 87.42-87.54 & 87.97-88.24m. Contacts are // foliation.	71.32 76.5 85.34	82 73 75
88.39m = EOH						



metres

 0 10 20
 scale
 1:100

SECTION
 DDH FB11-02
 Looking West

400 310 EAST UTM NAD83
 6 804 600 NORTH UTM NAD83

June 29 to July 3, 2011

APPENDIX D

ARCTURUS VENTURES INC.

1ST Base Claims

**Watson Lake Mining District
NTS 105G/07**

ASSAY CERTIFICATE

From

AGAT LABORATORIES

***NOTE: Not all assays reported from this certificate are from the 1st Base claims**

Only sample numbers E5238061 – E5238092



CLIENT NAME: ARCTURUS VENTURES
P.O. Box 696, 141-757 WEST HASTINGS ST
VANCOUVER, BC V6C1A1

ATTENTION TO: BRANDON MACDINALD

PROJECT NO:

AGAT WORK ORDER: 11Y509846

SOLID ANALYSIS REVIEWED BY: Ron Cardinall, Certified Assayer - Director - Technical Services (Mining)

DATE REPORTED: Jul 29, 2011

PAGES (INCLUDING COVER): 24

Should you require any information regarding this analysis please contact your client services representative at (905) 501 9998, or at 1-800-856-6261

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 11Y509846

PROJECT NO:

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: ARCTURUS VENTURES

ATTENTION TO: BRANDON MACDINALD

Aqua Regia Digest - Au, ICP-MS finish (202054)

DATE SAMPLED: Jul 13, 2011

DATE RECEIVED: Jul 12, 2011

DATE REPORTED: Jul 29, 2011

SAMPLE TYPE: Soil

Analyte:	Au
Unit:	ppm
Sample Description	RDL: 0.00005

SS400 (-)	0.00388
SS401(-)	<0.00005
SS402(-)	0.00153
SS403(-)	0.00253
SS404(-)	0.00488
SS405(-)	0.00176
SS406(-)	0.00176
SS407(-)	0.00184
SS408(-)	0.00305
SS409(-)	0.00297
SS410(-)	0.00150
SS411(-)	0.0106
SS412(-)	0.00049
SS413(-)	0.00230
SS414(-)	0.00186
SS415(-)	0.00077
SS416(-)	0.00146
SS417(-)	0.00199
SS418(-)	0.00152
SS419(-)	0.00111
SS420(-)	0.00312
SS421(-)	0.00073
SS422(-)	0.00408
SS423(-)	0.0115
SS424(-)	0.00871
SS425(-)	0.00081
SS426(-)	0.00021
SS427(-)	0.00179
SS428(-)	0.00461
SS429(-)	0.00018
SS430(-)	0.00730
SS431(-)	0.00087

Certified By:

Ron Cardinall



Certificate of Analysis

AGAT WORK ORDER: 11Y509846

PROJECT NO:

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 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
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CLIENT NAME: ARCTURUS VENTURES

ATTENTION TO: BRANDON MACDINALD

Aqua Regia Digest - Au, ICP-MS finish (202054)

DATE SAMPLED: Jul 13, 2011

DATE RECEIVED: Jul 12, 2011

DATE REPORTED: Jul 29, 2011

SAMPLE TYPE: Soil

Analyte:	Unit:	RDL:
Au	ppm	0.00005
Sample Description		
SS432(-)		0.00265
105G 904(-)		0.00144
105G 905(-)		0.00085
105G 906(-)		0.00589
105G11 201(-)		0.00012
105G11 202(-)		0.00050
105G11 203(-)		0.00087
105G11 205(-)		0.00151
105G11 206(-)		<0.00005
105G11 208(-)		0.00405
105G11 209(-)		0.00135
105G11 210(-)		-

Comments: RDL - Reported Detection Limit
 NSS = insufficient sample

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 11Y509846

PROJECT NO:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: ARCTURUS VENTURES

ATTENTION TO: BRANDON MACDINALD

Aqua Regia Digest - ICP-OES finish with Hg-CVAA (201090)

DATE SAMPLED: Jul 13, 2011

DATE RECEIVED: Jul 12, 2011

DATE REPORTED: Jul 29, 2011

SAMPLE TYPE: Soil

Analyte:	Sample Login Weight	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu
Unit:	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
RDL:	0.01	0.2	0.01	1	5	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5
SS400 (-)	0.248	<0.2	1.43	14	<5	95	0.5	<1	0.29	<0.5	56	8.4	33.2	13.6
SS401(-)	0.168	<0.2	0.15	<1	<5	<1	<0.5	<1	0.18	<0.5	<1	<0.5	<0.5	<0.5
SS402(-)	0.078	<0.2	0.96	2	<5	24	<0.5	<1	0.13	<0.5	30	8.8	43.0	12.1
SS403(-)	0.162	<0.2	3.59	17	<5	428	0.9	<1	1.36	<0.5	52	42.2	368	41.2
SS404(-)	0.208	<0.2	1.39	15	<5	140	<0.5	<1	0.32	<0.5	81	10.9	49.7	23.7
SS405(-)	0.184	<0.2	1.82	11	<5	95	<0.5	<1	0.15	<0.5	72	16.0	43.9	46.1
SS406(-)	0.224	<0.2	1.65	36	<5	180	<0.5	<1	0.13	<0.5	61	9.5	43.7	30.7
SS407(-)	0.246	<0.2	1.77	6	<5	93	<0.5	<1	0.24	<0.5	94	18.1	48.6	53.8
SS408(-)	0.292	<0.2	2.06	6	<5	186	<0.5	<1	0.24	<0.5	90	20.8	56.1	44.5
SS409(-)	0.286	<0.2	2.21	6	<5	215	<0.5	<1	0.23	<0.5	95	21.5	69.7	40.1
SS410(-)	0.240	<0.2	2.16	10	<5	213	<0.5	<1	0.28	<0.5	75	20.5	71.2	27.3
SS411(-)	0.310	<0.2	2.08	10	<5	168	<0.5	<1	0.34	<0.5	72	22.9	70.6	29.5
SS412(-)	0.164	<0.2	0.78	4	<5	122	<0.5	<1	0.41	<0.5	25	6.7	21.7	28.2
SS413(-)	0.140	0.3	1.09	6	<5	314	<0.5	<1	1.34	0.6	43	7.1	32.8	84.9
SS414(-)	0.176	0.4	1.04	8	<5	142	<0.5	<1	0.85	<0.5	35	9.6	34.0	77.3
SS415(-)	0.136	<0.2	0.64	2	<5	96	0.5	<1	0.16	<0.5	16	4.5	2.9	13.1
SS416(-)	0.150	<0.2	1.70	17	<5	222	0.6	<1	0.49	<0.5	68	9.6	37.4	21.2
SS417(-)	0.212	0.2	2.21	25	<5	286	0.7	<1	0.44	<0.5	46	9.2	43.2	22.5
SS418(-)	0.110	0.3	0.40	3	<5	46	<0.5	<1	0.10	<0.5	7	2.1	5.0	9.9
SS419(-)	0.172	<0.2	0.95	6	<5	108	0.6	<1	1.18	<0.5	26	3.1	8.5	21.0
SS420(-)	0.138	0.3	1.86	27	<5	109	0.9	<1	1.19	<0.5	64	13.0	38.7	35.0
SS421(-)	0.122	<0.2	0.96	45	<5	106	<0.5	<1	2.31	0.8	27	5.7	17.7	26.1
SS422(-)	0.174	<0.2	2.06	23	<5	64	1.4	<1	0.97	<0.5	53	29.5	31.7	90.6
SS423(-)	0.118	0.9	3.18	12	<5	236	5.3	<1	0.85	0.6	250	22.3	30.4	80.9
SS424(-)	0.142	0.3	2.57	17	<5	99	1.7	<1	1.11	<0.5	62	10.1	50.5	51.2
SS425(-)	0.114	<0.2	0.69	4	<5	43	<0.5	<1	0.10	<0.5	5	2.8	9.2	14.2
SS426(-)	0.116	<0.2	0.47	<1	<5	5	<0.5	<1	0.10	<0.5	<1	<0.5	<0.5	0.9
SS427(-)	0.106	<0.2	1.01	18	<5	374	0.6	<1	1.35	0.7	17	17.4	11.8	23.9
SS428(-)	0.190	0.3	2.78	14	<5	270	1.3	<1	0.57	<0.5	92	18.7	36.9	28.2
SS429(-)	0.164	<0.2	0.41	4	<5	34	<0.5	<1	0.11	<0.5	13	1.7	6.2	7.6
SS430(-)	0.070	0.4	1.40	12	<5	73	1.6	<1	1.25	0.6	40	8.0	20.5	64.9
SS431(-)	0.222	<0.2	2.31	12	<5	185	0.7	<1	0.34	<0.5	58	10.8	44.3	16.1

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 11Y509846

PROJECT NO:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: ARCTURUS VENTURES

ATTENTION TO: BRANDON MACDINALD

Aqua Regia Digest - ICP-OES finish with Hg-CVAA (201090)

DATE SAMPLED: Jul 13, 2011

DATE RECEIVED: Jul 12, 2011

DATE REPORTED: Jul 29, 2011

SAMPLE TYPE: Soil

Analyte:	Sample Login Weight	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu
Unit:	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
RDL:	0.01	0.2	0.01	1	5	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5
SS432(-)	0.144	0.3	1.10	5	<5	148	0.9	<1	0.20	<0.5	46	3.2	10.4	23.6
105G 904(-)	0.266	<0.2	1.93	20	<5	162	<0.5	<1	0.90	<0.5	65	21.8	48.1	24.2
105G 905(-)	0.526	<0.2	2.08	18	<5	99	<0.5	<1	0.61	<0.5	71	23.6	51.9	20.9
105G 906(-)	0.416	0.4	0.91	149	<5	162	<0.5	<1	0.60	0.7	75	22.6	78.2	47.3
105G11 201(-)	0.110	<0.2	1.36	5	<5	30	<0.5	<1	0.92	<0.5	3	1.2	2.9	2.5
105G11 202(-)	0.126	<0.2	1.43	8	<5	281	<0.5	<1	1.11	<0.5	27	15.1	75.9	100
105G11 203(-)	0.108	<0.2	1.44	11	<5	364	<0.5	<1	0.81	<0.5	30	26.9	76.6	73.8
105G11 205(-)	0.070	<0.2	1.49	17	<5	280	<0.5	<1	1.11	0.8	41	15.4	97.6	29.8
105G11 206(-)	0.028	<0.2	1.55	<1	<5	<1	<0.5	<1	0.79	<0.5	<1	<0.5	<0.5	<0.5
105G11 208(-)	0.034	0.2	1.16	177	<5	554	<0.5	<1	1.21	1.2	50	22.8	38.3	29.6
105G11 209(-)	0.112	0.3	2.38	7	<5	208	1.3	1	0.48	<0.5	43	2.7	10.7	10.8
105G11 210(-)	NSS	-	-	-	-	-	-	-	-	-	-	-	-	-
BM025	0.39	0.2	0.31	2	<5	27	<0.5	<1	10.9	<0.5	42	29.2	41.4	125
BM026	0.59	<0.2	0.60	<1	<5	35	<0.5	<1	21.4	<0.5	27	17.0	191	134
5238061	0.37	0.2	0.35	6	<5	143	<0.5	<1	0.02	<0.5	98	1.1	156	22.4
5238062	0.56	0.4	0.85	244	<5	251	0.9	<1	<0.01	<0.5	119	1.3	98.8	61.7
5238063	0.85	<0.2	1.13	5	<5	188	1.0	<1	0.18	2.4	134	5.2	98.6	17.1
5238064	0.84	<0.2	0.91	3	<5	149	0.9	<1	0.16	1.2	171	3.1	89.2	14.1
5238065	0.73	0.7	1.31	2	<5	216	1.0	1	0.14	2.6	125	4.6	116	73.2
5238066	0.75	<0.2	0.78	3	<5	295	<0.5	<1	0.17	0.8	120	2.4	145	52.5
5238067	0.99	0.3	0.56	3	<5	340	<0.5	<1	1.64	<0.5	98	2.5	151	22.5
5238068	1.10	0.2	0.79	2	<5	245	<0.5	<1	0.48	1.5	126	2.5	128	20.0
5238069	0.86	<0.2	0.94	7	<5	137	<0.5	<1	0.79	<0.5	122	2.3	88.1	14.5
5238070	0.57	<0.2	0.79	6	<5	143	<0.5	<1	1.43	<0.5	82	3.6	103	12.6
5238071	1.05	<0.2	0.91	1	<5	146	<0.5	<1	1.44	<0.5	106	4.9	113	11.8
5238072	1.02	<0.2	1.13	2	<5	230	<0.5	<1	2.07	<0.5	129	3.6	175	1.9
5238073	0.73	<0.2	1.84	5	<5	323	<0.5	<1	0.11	<0.5	59	6.0	150	133
5237074	0.91	<0.2	2.99	2	<5	673	0.8	<1	0.79	<0.5	96	10.8	181	48.2
5238075	0.77	<0.2	1.54	3	<5	700	0.6	<1	2.74	<0.5	104	9.8	165	89.4
5238076	0.75	<0.2	1.26	6	<5	279	<0.5	<1	1.29	<0.5	77	9.3	139	134
5238077	1.00	<0.2	1.01	1	<5	346	<0.5	<1	0.64	<0.5	105	5.2	219	102
5238078	0.89	<0.2	1.39	3	10	92	0.7	<1	2.57	0.8	78	16.4	127	36.2

Certified By:

Ron Cardinal



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AGAT WORK ORDER: 11Y509846

PROJECT NO:

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CLIENT NAME: ARCTURUS VENTURES

ATTENTION TO: BRANDON MACDINALD

Aqua Regia Digest - ICP-OES finish with Hg-CVAA (201090)

DATE SAMPLED: Jul 13, 2011

DATE RECEIVED: Jul 12, 2011

DATE REPORTED: Jul 29, 2011

SAMPLE TYPE: Soil

Sample Description	Analyte:	Sample	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu
	Unit:	Weight	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
RDL:	kg														
5238079	0.86	<0.2	2.57	8	<5	208	0.5	<1	0.90	1.0	106	12.1	231	48.4	
5238080	1.02	<0.2	4.37	5	<5	874	1.0	<1	7.50	<0.5	30	25.5	166	17.0	
5238081	0.81	4.7	2.47	8	<5	893	0.7	<1	1.60	<0.5	62	9.4	208	38.5	
5238082	0.95	<0.2	3.61	<1	<5	538	0.7	<1	2.10	<0.5	60	16.2	109	10.3	
5238083	0.99	<0.2	1.39	<1	<5	267	<0.5	<1	3.74	<0.5	84	5.4	83.6	2.2	
5238084	1.07	<0.2	2.07	1	<5	508	<0.5	<1	0.74	<0.5	41	7.4	74.8	65.6	
5238085	0.88	<0.2	0.70	208	8	60	0.6	<1	0.54	<0.5	92	1.4	98.1	15.5	
5238086	0.82	<0.2	0.73	6	<5	65	0.6	<1	0.08	<0.5	80	2.7	113	14.8	
5238087	1.00	<0.2	0.62	49	<5	50	0.6	<1	0.34	<0.5	133	2.0	120	20.1	
5238088	0.67	<0.2	5.20	7	<5	818	0.9	<1	3.01	<0.5	44	23.5	231	5.4	
5238089	0.97	<0.2	2.80	<1	<5	761	0.6	<1	3.56	<0.5	30	27.8	158	22.8	
5238090	1.07	<0.2	2.88	48	<5	74	0.5	<1	5.43	<0.5	62	14.7	96.7	22.3	
5238091	0.85	<0.2	2.87	4	<5	89	0.7	<1	1.64	<0.5	67	14.5	119	20.7	
5238092	0.91	<0.2	4.49	2	<5	313	0.6	<1	3.98	<0.5	20	33.9	274	24.6	

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ATTENTION TO: BRANDON MACDINALD

Aqua Regia Digest - ICP-OES finish with Hg-CVAA (201090)

DATE SAMPLED: Jul 13, 2011

DATE RECEIVED: Jul 12, 2011

DATE REPORTED: Jul 29, 2011

SAMPLE TYPE: Soil

Analyte:	Fe	Ga	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	
Unit:	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	
Sample Description	RDL:	0.01	5	1	0.01	1	1	0.01	1	0.5	0.01	0.5	10	0.5	10
SS400 (-)	2.44	6	<1	0.09	28	20	0.62	349	0.9	<0.01	22.5	745	15.2	19	
SS401(-)	0.19	<5	<1	0.03	<1	<1	0.03	59	<0.5	0.06	<0.5	<10	<0.5	<10	
SS402(-)	2.02	5	<1	0.04	14	7	0.69	331	0.8	0.02	21.7	329	7.8	<10	
SS403(-)	5.92	16	<1	0.17	27	30	4.33	1420	0.7	<0.01	177	1430	16.0	18	
SS404(-)	3.43	7	<1	0.10	41	11	0.61	768	2.0	<0.01	25.4	539	20.9	19	
SS405(-)	4.23	7	<1	0.06	32	18	0.83	821	1.3	<0.01	28.6	581	17.9	<10	
SS406(-)	3.26	10	<1	0.08	30	15	0.56	502	1.6	<0.01	26.4	343	13.5	20	
SS407(-)	4.69	6	<1	0.06	46	19	0.95	860	0.8	<0.01	36.3	643	11.4	<10	
SS408(-)	4.63	11	<1	0.05	48	18	1.09	1110	0.7	<0.01	39.2	567	10.1	<10	
SS409(-)	5.06	12	<1	0.06	51	20	1.22	1050	0.7	<0.01	43.8	532	11.3	11	
SS410(-)	4.51	12	<1	0.06	36	20	1.12	855	1.1	<0.01	49.4	760	8.9	10	
SS411(-)	4.97	10	<1	0.07	38	19	1.11	1130	1.4	<0.01	53.4	717	9.3	<10	
SS412(-)	1.68	<5	<1	0.04	20	6	0.28	562	0.8	0.04	18.0	702	5.0	<10	
SS413(-)	1.93	10	<1	0.04	68	5	0.26	982	1.7	0.03	31.1	1830	7.3	<10	
SS414(-)	2.23	<5	<1	0.04	45	6	0.25	628	1.3	0.03	29.2	671	7.8	<10	
SS415(-)	0.67	<5	<1	0.02	8	2	0.04	1140	2.0	0.05	5.4	565	1.8	<10	
SS416(-)	2.66	11	<1	0.15	35	24	0.69	460	0.9	0.01	25.6	833	14.1	26	
SS417(-)	3.06	15	<1	0.25	23	27	0.70	374	1.4	0.01	28.2	703	18.0	49	
SS418(-)	0.79	<5	<1	0.04	5	3	0.07	41	<0.5	0.05	5.8	203	3.0	<10	
SS419(-)	0.84	<5	<1	0.06	33	10	0.13	149	<0.5	0.05	16.7	460	4.3	<10	
SS420(-)	2.78	6	<1	0.13	42	32	0.65	530	1.0	0.02	32.6	958	16.7	33	
SS421(-)	1.32	<5	<1	0.07	12	13	0.31	389	1.1	0.02	15.1	717	7.8	11	
SS422(-)	4.71	7	<1	0.18	44	42	0.66	639	1.7	0.02	61.5	537	12.4	35	
SS423(-)	2.08	11	<1	0.12	183	33	0.30	1990	2.9	0.03	47.0	1280	12.0	29	
SS424(-)	2.92	8	<1	0.20	72	60	0.67	210	1.4	0.02	39.6	679	13.1	54	
SS425(-)	1.07	<5	<1	0.06	3	7	0.10	67	0.6	0.04	7.7	296	3.6	13	
SS426(-)	0.58	<5	<1	0.04	<1	<1	0.07	130	<0.5	0.04	0.5	28	<0.5	<10	
SS427(-)	3.83	12	<1	0.06	7	13	0.20	5670	6.5	0.04	18.4	646	5.0	<10	
SS428(-)	4.13	14	<1	0.18	53	61	0.70	596	2.4	0.03	32.9	622	17.8	38	
SS429(-)	0.61	<5	<1	0.04	6	4	0.12	48	<0.5	0.03	3.9	266	3.6	<10	
SS430(-)	1.52	<5	<1	0.11	52	24	0.28	1010	1.1	0.04	23.2	766	7.5	21	
SS431(-)	3.11	12	<1	0.14	29	36	0.73	401	1.4	0.01	24.8	480	12.0	41	

Certified By:

Ron Cardinal



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AGAT WORK ORDER: 11Y509846

PROJECT NO:

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CLIENT NAME: ARCTURUS VENTURES

ATTENTION TO: BRANDON MACDINALD

Aqua Regia Digest - ICP-OES finish with Hg-CVAA (201090)

DATE SAMPLED: Jul 13, 2011

DATE RECEIVED: Jul 12, 2011

DATE REPORTED: Jul 29, 2011

SAMPLE TYPE: Soil

Analyte:	Fe	Ga	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb
Unit:	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	5	1	0.01	1	1	0.01	1	0.5	0.01	0.5	10	0.5	10
SS432(-)	1.24	<5	<1	0.05	24	6	0.08	263	2.3	0.04	8.3	1160	3.7	<10
105G 904(-)	4.70	7	<1	0.08	36	20	0.99	2800	1.4	0.01	37.0	1040	12.3	12
105G 905(-)	4.94	7	<1	0.06	35	23	1.13	1680	1.3	<0.01	40.3	1190	12.7	<10
105G 906(-)	4.18	<5	<1	0.09	41	10	1.07	818	3.2	<0.01	106	854	30.1	<10
105G11 201(-)	3.78	<5	<1	0.15	2	<1	1.23	2720	<0.5	0.02	4.9	54	0.8	<10
105G11 202(-)	2.72	11	<1	0.36	13	8	1.30	340	<0.5	0.04	23.2	2520	8.5	40
105G11 203(-)	2.42	13	<1	0.39	14	10	1.21	594	<0.5	0.03	21.8	1470	9.5	51
105G11 205(-)	2.83	11	<1	0.14	21	19	1.03	1710	0.7	0.02	45.1	1330	9.2	27
105G11 206(-)	3.70	<5	<1	0.14	<1	<1	0.87	1550	<0.5	0.02	<0.5	<10	<0.5	<10
105G11 208(-)	9.13	14	<1	0.08	33	10	0.66	6070	1.8	0.01	52.8	650	17.2	<10
105G11 209(-)	2.62	<5	<1	0.17	30	15	0.41	242	1.2	0.02	10.1	397	10.3	24
105G11 210(-)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BM025	6.65	<5	<1	0.05	22	3	3.40	2820	4.4	0.03	9.2	509	16.3	<10
BM026	2.42	<5	<1	0.04	10	3	1.05	1370	1.3	<0.01	95.2	131	4.4	<10
5238061	0.62	<5	<1	0.36	51	2	<0.01	18	3.4	<0.01	4.3	129	20.8	<10
5238062	1.71	10	<1	0.68	78	9	0.08	53	5.9	<0.01	2.4	211	175	32
5238063	1.20	5	<1	0.80	95	13	0.28	803	2.7	<0.01	3.5	224	44.1	53
5238064	1.07	5	<1	0.69	87	13	0.17	588	1.9	<0.01	2.7	243	30.1	37
5238065	1.18	10	<1	0.92	70	17	0.35	990	2.6	<0.01	3.6	86	281	58
5238066	1.10	10	<1	0.38	60	9	0.10	304	4.5	0.01	3.2	161	10.2	18
5238067	0.84	11	<1	0.38	50	4	0.05	334	3.5	0.04	3.7	168	6.1	14
5238068	0.91	<5	<1	0.41	72	9	0.17	875	2.9	0.05	4.0	306	4.0	19
5238069	1.21	<5	<1	0.46	62	17	0.43	499	4.4	0.03	4.3	146	3.9	18
5238070	1.10	<5	<1	0.41	38	7	0.34	518	5.7	0.02	6.5	171	3.4	29
5238071	1.11	<5	<1	0.47	54	7	0.37	575	5.2	0.02	8.9	161	4.9	19
5238072	0.64	10	<1	0.78	65	4	0.11	376	3.3	0.02	4.5	261	8.6	26
5238073	2.48	15	<1	1.11	23	27	0.94	440	6.0	0.09	11.7	328	7.2	54
5237074	3.32	12	<1	1.96	50	36	2.07	956	5.2	0.12	13.4	505	5.8	67
5238075	2.05	26	<1	0.85	53	19	0.64	1950	3.9	0.06	11.1	218	8.8	26
5238076	2.12	12	<1	0.65	38	18	0.64	442	1.7	0.09	10.3	211	4.3	22
5238077	0.99	14	<1	0.44	52	9	0.22	197	3.4	0.20	4.5	159	4.7	11
5238078	4.60	<5	<1	0.48	39	54	1.42	1540	4.1	0.05	21.8	488	5.7	26

Certified By:

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CLIENT NAME: ARCTURUS VENTURES

ATTENTION TO: BRANDON MACDINALD

Aqua Regia Digest - ICP-OES finish with Hg-CVAA (201090)

DATE SAMPLED: Jul 13, 2011

DATE RECEIVED: Jul 12, 2011

DATE REPORTED: Jul 29, 2011

SAMPLE TYPE: Soil

Analyte:	Fe	Ga	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb
Unit:	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	5	1	0.01	1	1	0.01	1	0.5	0.01	0.5	10	0.5	10
5238079	3.55	11	<1	0.37	51	52	2.04	665	2.1	0.17	29.0	376	4.6	13
5238080	5.60	14	<1	3.27	15	41	2.86	2240	2.5	0.05	29.6	409	12.8	114
5238081	2.87	11	<1	1.31	32	39	1.68	701	4.4	0.18	21.0	468	13.7	117
5238082	5.59	15	<1	3.06	30	37	2.17	979	3.0	0.03	15.6	896	5.3	126
5238083	1.87	12	<1	0.98	45	14	0.72	1030	0.7	0.02	15.6	370	8.8	39
5238084	4.32	11	<1	1.16	20	17	1.44	701	1.8	0.11	20.2	455	5.2	38
5238085	0.89	<5	<1	0.47	47	8	0.33	169	4.6	0.03	1.8	131	6.5	24
5238086	1.83	<5	<1	0.47	38	12	0.12	78	4.0	0.01	2.3	199	2.6	21
5238087	1.36	<5	<1	0.40	65	9	0.20	153	3.7	<0.01	2.3	260	19.4	19
5238088	6.53	18	<1	2.93	21	72	3.57	1180	1.8	0.03	43.2	442	5.5	210
5238089	5.13	13	<1	1.40	15	54	2.53	971	0.8	0.13	42.4	673	6.9	79
5238090	3.50	11	<1	0.44	35	56	1.94	1160	1.3	0.02	29.8	427	21.9	40
5238091	4.16	11	<1	1.43	33	44	1.34	789	2.5	0.05	23.4	601	5.5	124
5238092	4.85	12	<1	2.41	9	62	3.76	1080	0.9	0.08	66.4	495	8.9	134

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Aqua Regia Digest - ICP-OES finish with Hg-CVAA (201090)

DATE SAMPLED: Jul 13, 2011

DATE RECEIVED: Jul 12, 2011

DATE REPORTED: Jul 29, 2011

SAMPLE TYPE: Soil

Analyte:	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
Sample Description	RDL:	0.005	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1
SS400 (-)		0.013	<1	2.6	<10	<5	19.4	<10	<10	<5	0.06	<5	<5	35.8	2
SS401(-)		0.023	<1	<0.5	<10	<5	<0.5	<10	<10	<5	0.01	<5	<5	<0.5	<1
SS402(-)		0.011	<1	2.4	<10	<5	7.5	<10	<10	<5	0.06	<5	<5	36.8	<1
SS403(-)		0.059	2	7.7	<10	<5	73.2	<10	<10	<5	0.34	<5	<5	101	<1
SS404(-)		0.032	<1	2.0	<10	5	23.3	<10	<10	<5	0.04	<5	<5	53.2	<1
SS405(-)		0.026	<1	4.3	<10	<5	11.4	<10	<10	<5	0.04	<5	<5	55.4	<1
SS406(-)		0.014	1	3.2	<10	<5	11.7	<10	<10	<5	0.05	<5	<5	56.5	<1
SS407(-)		0.011	<1	4.2	<10	<5	15.8	<10	<10	6	0.11	<5	<5	55.7	<1
SS408(-)		0.008	<1	5.5	<10	<5	15.8	<10	<10	7	0.06	<5	<5	53.1	<1
SS409(-)		0.018	<1	6.8	<10	<5	15.5	<10	<10	6	0.06	<5	<5	59.9	<1
SS410(-)		0.014	<1	4.9	<10	<5	17.2	<10	<10	<5	0.04	<5	<5	54.5	<1
SS411(-)		0.009	<1	5.2	<10	<5	18.8	<10	<10	8	0.07	<5	<5	56.3	<1
SS412(-)		0.069	<1	1.3	<10	<5	28.1	<10	<10	<5	0.03	<5	<5	30.6	<1
SS413(-)		0.254	<1	3.0	<10	<5	66.4	<10	<10	<5	0.01	<5	13	21.6	<1
SS414(-)		0.099	<1	2.6	<10	<5	37.0	<10	<10	<5	0.02	<5	<5	26.7	<1
SS415(-)		0.042	<1	<0.5	<10	<5	16.5	<10	<10	<5	0.02	<5	6	8.2	<1
SS416(-)		0.044	<1	2.9	<10	<5	35.5	<10	<10	<5	0.05	<5	<5	35.1	<1
SS417(-)		0.027	<1	3.2	<10	<5	32.6	<10	<10	<5	0.05	<5	<5	46.6	1
SS418(-)		0.023	<1	<0.5	<10	<5	13.4	<10	<10	<5	0.01	<5	<5	19.0	<1
SS419(-)		0.102	<1	1.3	<10	<5	80.1	<10	<10	<5	0.02	<5	<5	14.9	<1
SS420(-)		0.162	<1	3.1	<10	<5	103	<10	<10	<5	0.03	<5	10	30.4	<1
SS421(-)		0.220	<1	1.3	<10	<5	165	<10	<10	<5	0.02	<5	<5	15.5	<1
SS422(-)		0.071	<1	7.4	<10	<5	70.3	<10	<10	6	0.03	<5	<5	29.9	2
SS423(-)		0.194	<1	4.9	<10	<5	94.5	<10	<10	<5	0.01	<5	217	25.4	2
SS424(-)		0.219	<1	6.7	<10	<5	97.1	<10	<10	<5	0.02	<5	150	40.9	2
SS425(-)		0.031	<1	0.7	<10	<5	14.4	<10	<10	<5	0.03	<5	<5	25.1	<1
SS426(-)		0.026	<1	<0.5	<10	<5	2.0	<10	<10	<5	0.01	<5	<5	1.5	<1
SS427(-)		0.179	<1	1.2	<10	<5	132	<10	<10	<5	0.02	<5	9	15.0	1
SS428(-)		0.064	<1	5.2	<10	<5	60.2	<10	<10	10	0.03	<5	30	35.9	1
SS429(-)		0.022	<1	<0.5	<10	<5	11.7	<10	<10	<5	0.01	<5	<5	12.5	1
SS430(-)		0.179	<1	4.3	<10	<5	82.0	<10	<10	<5	0.02	<5	16	21.9	1
SS431(-)		0.025	<1	4.0	<10	<5	31.9	<10	<10	<5	0.05	<5	<5	45.4	3

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 11Y509846

PROJECT NO:

5623 McADAM ROAD
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FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: ARCTURUS VENTURES

ATTENTION TO: BRANDON MACDINALD

Aqua Regia Digest - ICP-OES finish with Hg-CVAA (201090)

DATE SAMPLED: Jul 13, 2011

DATE RECEIVED: Jul 12, 2011

DATE REPORTED: Jul 29, 2011

SAMPLE TYPE: Soil

Analyte:	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
Sample Description	RDL:	0.005	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1
SS432(-)		0.097	<1	0.8	<10	<5	22.2	<10	<10	<5	0.02	<5	23	16.3	<1
105G 904(-)		0.072	<1	3.7	<10	<5	53.0	<10	<10	<5	0.03	<5	<5	40.2	<1
105G 905(-)		0.025	<1	3.8	<10	<5	38.1	<10	<10	7	0.05	<5	<5	45.0	<1
105G 906(-)		0.079	3	3.7	<10	<5	33.1	<10	<10	8	<0.01	<5	<5	28.5	<1
105G11 201(-)		0.068	<1	<0.5	<10	<5	1.9	<10	<10	<5	0.09	<5	<5	2.1	<1
105G11 202(-)		0.076	<1	4.8	<10	<5	64.7	<10	<10	<5	0.13	<5	<5	76.1	<1
105G11 203(-)		0.041	<1	4.9	<10	<5	45.9	<10	<10	<5	0.11	<5	<5	61.5	<1
105G11 205(-)		0.078	<1	4.0	<10	<5	55.4	<10	<10	<5	0.07	<5	<5	50.6	<1
105G11 206(-)		0.073	<1	<0.5	<10	<5	<0.5	<10	<10	<5	0.06	<5	<5	<0.5	<1
105G11 208(-)		0.108	1	2.8	<10	<5	92.1	<10	<10	5	0.01	<5	<5	25.7	<1
105G11 209(-)		0.055	<1	1.7	<10	<5	19.9	<10	<10	<5	0.01	<5	11	12.2	6
105G11 210(-)		-	-	-	-	-	-	-	-	-	-	-	-	-	-
BM025		0.647	<1	2.0	<10	<5	1060	<10	<10	<5	0.01	<5	<5	11.8	<1
BM026		0.348	<1	10.5	<10	<5	689	<10	<10	<5	<0.01	<5	<5	20.0	<1
5238061		0.079	<1	<0.5	<10	<5	23.0	<10	<10	19	<0.01	<5	<5	3.1	<1
5238062		0.119	1	1.1	<10	<5	16.6	<10	<10	38	0.01	<5	<5	4.2	<1
5238063		0.008	<1	1.0	<10	<5	8.5	<10	<10	26	0.04	<5	<5	3.9	<1
5238064		<0.005	<1	1.2	<10	<5	7.1	<10	<10	34	0.02	<5	<5	4.8	<1
5238065		0.053	<1	1.0	<10	<5	6.4	<10	<10	26	0.04	<5	<5	3.8	<1
5238066		0.080	<1	0.6	<10	<5	8.6	<10	<10	29	<0.01	<5	<5	2.7	<1
5238067		0.107	<1	0.8	<10	<5	20.0	<10	<10	26	<0.01	<5	<5	3.0	<1
5238068		0.010	<1	1.0	<10	<5	13.2	<10	<10	26	0.02	<5	<5	4.1	<1
5238069		0.148	<1	1.1	<10	<5	17.1	<10	<10	31	0.02	<5	<5	5.4	<1
5238070		0.205	2	3.6	<10	<5	36.0	<10	<10	21	0.02	<5	<5	8.0	<1
5238071		0.213	<1	0.9	<10	<5	38.2	<10	<10	30	0.01	<5	<5	4.2	<1
5238072		0.156	<1	1.6	<10	<5	44.9	<10	<10	28	0.02	<5	<5	8.7	<1
5238073		0.207	<1	1.9	<10	<5	9.6	<10	<10	30	0.11	<5	<5	8.7	<1
5237074		0.299	<1	6.3	<10	<5	34.6	<10	<10	25	0.25	<5	<5	38.7	<1
5238075		0.971	<1	3.0	<10	<5	80.1	<10	<10	21	0.05	<5	<5	24.1	<1
5238076		0.655	<1	2.6	<10	<5	27.6	<10	<10	26	0.10	<5	5	17.3	<1
5238077		0.189	<1	2.1	<10	<5	24.0	<10	<10	29	0.03	<5	6	6.0	<1
5238078		0.265	<1	6.4	<10	<5	94.7	<10	<10	15	<0.01	<5	<5	29.0	<1

Certified By:

Ron Cardinal



Certificate of Analysis

AGAT WORK ORDER: 11Y509846

PROJECT NO:

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
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CLIENT NAME: ARCTURUS VENTURES

ATTENTION TO: BRANDON MACDINALD

Aqua Regia Digest - ICP-OES finish with Hg-CVAA (201090)

DATE SAMPLED: Jul 13, 2011

DATE RECEIVED: Jul 12, 2011

DATE REPORTED: Jul 29, 2011

SAMPLE TYPE: Soil

Analyte:	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
Sample Description	RDL:	0.005	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1
5238079		0.084	<1	7.2	<10	<5	36.1	<10	<10	21	0.05	<5	<5	62.6	<1
5238080		0.226	<1	12.3	<10	<5	201	<10	<10	<5	0.54	<5	<5	123	<1
5238081		0.163	<1	8.8	<10	<5	137	<10	<10	20	0.24	<5	7	87.2	26
5238082		0.293	<1	8.7	<10	<5	50.4	<10	<10	11	0.61	<5	<5	95.8	<1
5238083		0.102	<1	3.5	<10	<5	98.7	<10	<10	24	0.17	<5	<5	30.4	<1
5238084		0.654	<1	4.2	<10	<5	41.3	<10	<10	5	0.26	<5	<5	24.7	<1
5238085		0.078	<1	0.9	<10	<5	26.8	<10	<10	28	0.01	<5	<5	3.4	<1
5238086		0.772	2	1.2	<10	<5	5.9	<10	<10	20	<0.01	<5	<5	3.4	<1
5238087		0.413	<1	1.6	<10	<5	13.4	<10	<10	21	<0.01	<5	<5	3.3	<1
5238088		0.088	<1	13.6	<10	<5	133	<10	<10	8	0.41	<5	<5	124	<1
5238089		0.339	<1	12.9	<10	<5	236	<10	<10	6	0.61	<5	<5	153	<1
5238090		0.144	<1	4.1	<10	<5	105	<10	<10	12	0.01	<5	<5	53.7	<1
5238091		0.265	<1	7.7	<10	<5	53.7	<10	<10	18	0.40	<5	<5	109	<1
5238092		0.156	<1	15.2	<10	<5	110	<10	<10	<5	0.54	<5	<5	130	<1

Certified By:

Ron Cardinal



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AGAT WORK ORDER: 11Y509846

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CLIENT NAME: ARCTURUS VENTURES

ATTENTION TO: BRANDON MACDINALD

Aqua Regia Digest - ICP-OES finish with Hg-CVAA (201090)

DATE SAMPLED: Jul 13, 2011

DATE RECEIVED: Jul 12, 2011

DATE REPORTED: Jul 29, 2011

SAMPLE TYPE: Soil

Sample Description	Analyte: Unit: RDL:	Y ppm 1	Zn ppm 0.5	Zr ppm 5	Hg-CVAA ppm 0.01
SS400 (-)		10	65.4	<5	0.033
SS401(-)		<1	<0.5	<5	<0.01
SS402(-)		4	40.5	<5	0.01
SS403(-)		8	96.4	<5	0.03
SS404(-)		6	63.1	<5	0.02
SS405(-)		9	71.9	<5	0.03
SS406(-)		5	58.2	<5	0.03
SS407(-)		11	81.2	<5	0.01
SS408(-)		16	77.1	<5	0.01
SS409(-)		16	78.7	<5	0.02
SS410(-)		12	82.8	<5	0.02
SS411(-)		14	83.8	<5	0.02
SS412(-)		11	37.5	<5	0.02
SS413(-)		53	45.4	<5	0.07
SS414(-)		29	38.1	<5	0.06
SS415(-)		5	10.5	<5	0.04
SS416(-)		13	79.5	<5	0.04
SS417(-)		10	89.8	<5	0.03
SS418(-)		2	17.6	<5	0.03
SS419(-)		18	23.5	<5	0.04
SS420(-)		26	97.5	<5	0.081
SS421(-)		5	57.2	<5	0.070
SS422(-)		36	122	<5	0.03
SS423(-)		169	226	<5	0.15
SS424(-)		59	120	<5	0.09
SS425(-)		1	30.3	<5	0.03
SS426(-)		<1	2.4	<5	<0.01
SS427(-)		6	52.7	<5	0.06
SS428(-)		26	87.3	<5	0.06
SS429(-)		2	15.3	<5	0.03
SS430(-)		62	81.5	<5	0.08
SS431(-)		7	60.2	<5	0.02

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CLIENT NAME: ARCTURUS VENTURES

ATTENTION TO: BRANDON MACDINALD

Aqua Regia Digest - ICP-OES finish with Hg-CVAA (201090)

DATE SAMPLED: Jul 13, 2011

DATE RECEIVED: Jul 12, 2011

DATE REPORTED: Jul 29, 2011

SAMPLE TYPE: Soil

Analyte:	Y	Zn	Zr	Hg-CVAA
Unit:	ppm	ppm	ppm	ppm
Sample Description RDL:	1	0.5	5	0.01
SS432(-)	16	20.8	<5	0.11
105G 904(-)	15	103	<5	0.03
105G 905(-)	14	90.2	<5	0.02
105G 906(-)	14	145	<5	0.04
105G11 201(-)	<1	4.0	<5	<0.01
105G11 202(-)	6	46.4	<5	0.04
105G11 203(-)	7	56.4	<5	0.03
105G11 205(-)	10	105	<5	0.04
105G11 206(-)	<1	<0.5	<5	<0.01
105G11 208(-)	16	121	<5	0.067
105G11 209(-)	13	44.3	<5	0.065
105G11 210(-)	-	-	-	-
BM025	11	56.2	<5	0.01
BM026	23	17.1	<5	<0.01
5238061	6	36.6	<5	0.04
5238062	5	182	14	0.027
5238063	25	447	29	0.01
5238064	16	358	39	0.01
5238065	14	529	20	0.01
5238066	19	268	9	<0.01
5238067	15	42.9	15	<0.01
5238068	20	303	15	<0.01
5238069	12	83.5	10	<0.01
5238070	10	27.0	18	<0.01
5238071	9	34.1	18	<0.01
5238072	28	28.1	25	<0.01
5238073	9	251	54	<0.01
5237074	25	133	14	<0.01
5238075	23	210	8	0.03
5238076	26	144	15	0.01
5238077	27	49.8	10	<0.01
5238078	19	329	<5	0.02

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CLIENT NAME: ARCTURUS VENTURES

ATTENTION TO: BRANDON MACDINALD

Aqua Regia Digest - ICP-OES finish with Hg-CVAA (201090)					
DATE SAMPLED: Jul 13, 2011		DATE RECEIVED: Jul 12, 2011		DATE REPORTED: Jul 29, 2011	
SAMPLE TYPE: Soil					
Analyte:	Y	Zn	Zr	Hg-CVAA	
Unit:	ppm	ppm	ppm	ppm	
Sample Description	RDL:	1	0.5	5	0.01
5238079		21	264	<5	<0.01
5238080		19	88.3	<5	<0.01
5238081		15	180	36	0.02
5238082		18	101	<5	<0.01
5238083		23	57.7	5	<0.01
5238084		25	63.6	<5	<0.01
5238085		8	38.6	8	<0.01
5238086		7	50.2	<5	<0.01
5238087		12	74.6	<5	<0.01
5238088		19	78.7	<5	<0.01
5238089		24	78.9	<5	<0.01
5238090		14	200	<5	<0.01
5238091		23	62.3	<5	<0.01
5238092		15	66.8	<5	<0.01

Comments: RDL - Reported Detection Limit
 NSS = insufficient sample

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 11Y509846

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CLIENT NAME: ARCTURUS VENTURES

ATTENTION TO: BRANDON MACDINALD

Fire Assay - Trace Au, ICP-OES finish (202052)

DATE SAMPLED: Jul 13, 2011

DATE RECEIVED: Jul 12, 2011

DATE REPORTED: Jul 29, 2011

SAMPLE TYPE: Rock

Analyte: Au
 Unit: ppm
 Sample Description RDL: 0.001

BM025	0.003
BM026	<0.001
5238061	<0.001
5238062	0.001
5238063	<0.001
5238064	<0.001
5238065	0.004
5238066	<0.001
5238067	<0.001
5238068	<0.001
5238069	<0.001
5238070	0.003
5238071	<0.001
5238072	<0.001
5238073	0.001
5237074	0.001
5238075	<0.001
5238076	<0.001
5238077	<0.001
5238078	<0.001
5238079	<0.001
5238080	<0.001
5238081	0.001
5238082	<0.001
5238083	<0.001
5238084	0.001
5238085	<0.001
5238086	<0.001
5238087	<0.001
5238088	<0.001
5238089	<0.001
5238090	<0.001

Certified By:

Ron Cardinal



Certificate of Analysis

AGAT WORK ORDER: 11Y509846

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CLIENT NAME: ARCTURUS VENTURES

ATTENTION TO: BRANDON MACDINALD

Fire Assay - Trace Au, ICP-OES finish (202052)

DATE SAMPLED: Jul 13, 2011

DATE RECEIVED: Jul 12, 2011

DATE REPORTED: Jul 29, 2011

SAMPLE TYPE: Rock

Analyte:	Au
Unit:	ppm
Sample Description RDL:	0.001
5238091	<0.001
5238092	<0.001

Comments: RDL - Reported Detection Limit
NSS = insufficient sample

Certified By:



Quality Assurance

CLIENT NAME: ARCTURUS VENTURES

AGAT WORK ORDER: 11Y509846

PROJECT NO:

ATTENTION TO: BRANDON MACDINALD

Solid Analysis											
RPT Date: Jul 29, 2011		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits	
										Lower	Upper
Aqua Regia Digest - ICP-OES finish with Hg-CVAA (201090)											
Ag	1	2537606	< 0.2	< 0.2	0.0%	< 0.2				80%	120%
Al	1	2537606	1.43	1.49	4.1%	< 0.01				80%	120%
As	1	2537606	14	14	0.0%	< 1	20.9	22.0	95%	80%	120%
B	1	2537606	< 5	< 5	0.0%	< 5				80%	120%
Ba	1	2537606	95	99	4.1%	< 1				80%	120%
Be	1	2537606	0.54	0.58	7.1%	< 0.5				80%	120%
Bi	1	2537606	< 1	< 1	0.0%	< 1				80%	120%
Ca	1	2537606	0.294	0.312	5.9%	< 0.01				80%	120%
Cd	1	2537606	< 0.5	< 0.5	0.0%	< 0.5	0.915	1.00	91%	80%	120%
Ce	1	2537606	56	58	3.5%	< 1				80%	120%
Co	1	2537606	8.45	8.90	5.2%	< 0.5				80%	120%
Cr	1	2537606	33.2	36.7	10.0%	< 0.5	31.8	34.0	93%	80%	120%
Cu	1	2537606	13.6	14.2	4.3%	< 0.5				80%	120%
Fe	1	2537606	2.44	2.48	1.6%	< 0.01	3.27	3.40	96%	80%	120%
Ga	1	2537606	6	6	0.0%	< 5				80%	120%
In	1	2537606	< 1	< 1	0.0%	< 1				80%	120%
K	1	2537606	0.092	0.102	10.3%	< 0.01				80%	120%
La	1	2537606	28	29	3.5%	< 1	20	17	119%	80%	120%
Li	1	2537606	20	21	4.9%	< 1				80%	120%
Mg	1	2537606	0.62	0.63	1.6%	< 0.01				80%	120%
Mn	1	2537606	349	367	5.0%	< 1	2763	2630	105%	80%	120%
Mo	1	2537606	0.9	0.9	0.0%	< 0.5				80%	120%
Na	1	2537606	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Ni	1	2537606	22.5	23.5	4.3%	< 0.5				80%	120%
P	1	2537606	745	787	5.5%	< 10				80%	120%
Pb	1	2537606	15.2	16.4	7.6%	< 0.5	31.6	39.0	81%	80%	120%
Rb	1	2537606	19	20	5.1%	< 10				80%	120%
S	1	2537606	0.0131	0.0136	3.7%	< 0.005				80%	120%
Sb	1	2537606	< 1	< 1	0.0%	< 1				80%	120%
Sc	1	2537606	2.6	2.6	0.0%	< 0.5				80%	120%
Se	1	2537606	< 10	< 10	0.0%	< 10				80%	120%
Sn	1	2537606	< 5	< 5	0.0%	< 5				80%	120%
Sr	1	2537606	19.4	20.9	7.4%	< 0.5				80%	120%
Ta	1	2537606	< 10	< 10	0.0%	< 10				80%	120%
Te	1	2537606	< 10	< 10	0.0%	< 10				80%	120%
Th	1	2537606	< 5	< 5	0.0%	< 5				80%	120%
Ti	1	2537606	0.061	0.067	9.4%	< 0.01	0.06	0.07	86%	80%	120%
Tl	1	2537606	< 5	< 5	0.0%	< 5	0.3	0.3	109%	80%	120%
U	1	2537606	< 5	< 5	0.0%	< 5				80%	120%
V	1	2537606	35.8	38.5	7.3%	< 0.5				80%	120%
W	1	2537606	< 1	< 1	0.0%	< 1				80%	120%
Y	1	2537606	10	10	0.0%	< 1				80%	120%
Zn	1	2537606	65.4	68.5	4.6%	10.1	192	204	94%	80%	120%
Zr	1	2537606	< 5	< 5	0.0%	< 5				80%	120%



Quality Assurance

CLIENT NAME: ARCTURUS VENTURES

AGAT WORK ORDER: 11Y509846

PROJECT NO:

ATTENTION TO: BRANDON MACDINALD

Solid Analysis (Continued)												
RPT Date: Jul 29, 2011			REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD	Result Value		Expect Value	Recovery	Acceptable Limits		
							Lower			Upper		

Aqua Regia Digest - ICP-OES finish with Hg-CVAA (201090)

Ag	1	2537626	0.3	0.3	0.0%	< 0.2	7	7	102%	80%	120%
Al	1	2537626	1.86	1.88	1.1%	< 0.01	0.425	0.359	118%	80%	120%
As	1	2537626	27	27	0.0%	< 1				80%	120%
B	1	2537626	< 5	< 5	0.0%	< 5				80%	120%
Ba	1	2537626	109	105	3.7%	< 1				80%	120%
Be	1	2537626	0.89	0.83	7.0%	< 0.5				80%	120%
Bi	1	2537626	< 1	< 1	0.0%	< 1				80%	120%
Ca	1	2537626	1.19	1.19	0.0%	< 0.01	0.612	0.635	96%	80%	120%
Cd	1	2537626	< 0.5	< 0.5	0.0%	< 0.5				80%	120%
Ce	1	2537626	64	62	3.2%	< 1				80%	120%
Co	1	2537626	13.0	12.7	2.3%	< 0.5	5	5.0	101%	80%	120%
Cr	1	2537626	38.7	37.7	2.6%	< 0.5				80%	120%
Cu	1	2537626	35.0	34.6	1.1%	< 0.5	4694	4700	100%	80%	120%
Fe	1	2537626	2.78	2.80	0.7%	< 0.01	1.21	1.31	93%	80%	120%
Ga	1	2537626	6	6	0.0%	< 5				80%	120%
In	1	2537626	< 1	< 1	0.0%	< 1				80%	120%
K	1	2537626	0.13	0.13	0.0%	< 0.01	0.21	0.18	116%	80%	120%
La	1	2537626	42	42	0.0%	< 1				80%	120%
Li	1	2537626	32	28	13.3%	< 1				80%	120%
Mg	1	2537626	0.65	0.65	0.0%	< 0.01	0.104	0.098	106%	80%	120%
Mn	1	2537626	530	530	0.0%	< 1				80%	120%
Mo	1	2537626	1.0	1.0	0.0%	< 0.5	294	280	105%	80%	120%
Na	1	2537626	0.015	0.015	0.0%	< 0.01	0.034	0.038	90%	80%	120%
Ni	1	2537626	32.6	31.8	2.5%	< 0.5	7	7	98%	80%	120%
P	1	2537626	958	891	7.2%	< 10				80%	120%
Pb	1	2537626	16.7	15.9	4.9%	< 0.5	28	30	92%	80%	120%
Rb	1	2537626	33	32	3.1%	< 10				80%	120%
S	1	2537626	0.162	0.164	1.2%	< 0.005	0.635	0.621	102%	80%	120%
Sb	1	2537626	< 1	< 1	0.0%	< 1				80%	120%
Sc	1	2537626	3.1	3.1	0.0%	< 0.5				80%	120%
Se	1	2537626	< 10	< 10	0.0%	< 10				80%	120%
Sn	1	2537626	< 5	< 5	0.0%	< 5				80%	120%
Sr	1	2537626	103	101	2.0%	< 0.5	274	390	70%	80%	120%
Ta	1	2537626	< 10	< 10	0.0%	< 10				80%	120%
Te	1	2537626	< 10	< 10	0.0%	< 10				80%	120%
Th	1	2537626	< 5	< 5	0.0%	< 5				80%	120%
Ti	1	2537626	0.03	0.03	0.0%	< 0.01	0.013	0.011	120%	80%	120%
Tl	1	2537626	< 5	< 5	0.0%	< 5				80%	120%
U	1	2537626	10	9	10.5%	< 5				80%	120%
V	1	2537626	30.4	31.2	2.6%	< 0.5				80%	120%
W	1	2537626	< 1	< 1	0.0%	< 1				80%	120%
Y	1	2537626	26	25	3.9%	< 1				80%	120%
Zn	1	2537626	97.5	95.3	2.3%	< 0.5				80%	120%



Quality Assurance

CLIENT NAME: ARCTURUS VENTURES

AGAT WORK ORDER: 11Y509846

PROJECT NO:

ATTENTION TO: BRANDON MACDINALD

Solid Analysis (Continued)											
RPT Date: Jul 29, 2011		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits	
						Lower				Upper	
Zr	1	2537626	< 5	< 5	0.0%	< 5				80%	120%
Aqua Regia Digest - ICP-OES finish with Hg-CVAA (201090)											
Ag	1	2537652	0.2	0.2	0.0%	< 0.2	8	7	118%	80%	120%
Al	1	2537652	0.35	0.34	2.9%	< 0.01	0.356	0.359	99%	80%	120%
As	1	2537652	6	6	0.0%	< 1				80%	120%
B	1	2537652	< 5	< 5	0.0%	< 5				80%	120%
Ba	1	2537652	143	171	17.8%	< 1				80%	120%
Be	1	2537652	< 0.5	< 0.5	0.0%	< 0.5				80%	120%
Bi	1	2537652	< 1	< 1	0.0%	< 1				80%	120%
Ca	1	2537652	0.02	0.02	0.0%	< 0.01	0.668	0.635	105%	80%	120%
Cd	1	2537652	< 0.5	< 0.5	0.0%	< 0.5				80%	120%
Ce	1	2537652	98	94	4.2%	< 1				80%	120%
Co	1	2537652	1.07	0.92	15.1%	< 0.5	5.8	5.0	117%	80%	120%
Cr	1	2537652	156	168	7.4%	< 0.5				80%	120%
Cu	1	2537652	22.4	21.4	4.6%	< 0.5	4884	4700	104%	80%	120%
Fe	1	2537652	0.618	0.592	4.3%	< 0.01	1.28	1.31	98%	80%	120%
Ga	1	2537652	< 5	< 5	0.0%	< 5				80%	120%
In	1	2537652	< 1	< 1	0.0%	< 1				80%	120%
K	1	2537652	0.36	0.35	2.8%	< 0.01	0.17	0.18	95%	80%	120%
La	1	2537652	51	49	4.0%	< 1				80%	120%
Li	1	2537652	2	2	0.0%	< 1				80%	120%
Mg	1	2537652	< 0.01	< 0.01	0.0%	< 0.01	0.105	0.098	107%	80%	120%
Mn	1	2537652	18	18	0.0%	< 1				80%	120%
Mo	1	2537652	3.42	3.68	7.3%	< 0.5	305	280	109%	80%	120%
Na	1	2537652	< 0.01	< 0.01	0.0%	< 0.01	0.032	0.038	85%	80%	120%
Ni	1	2537652	4.3	3.2	29.3%	< 0.5	7	7	101%	80%	120%
P	1	2537652	129	122	5.6%	< 10				80%	120%
Pb	1	2537652	20.8	21.8	4.7%	< 0.5	38	30	128%	80%	120%
Rb	1	2537652	< 10	< 10	0.0%	< 10				80%	120%
S	1	2537652	0.079	0.074	6.5%	< 0.005	0.637	0.621	103%	80%	120%
Sb	1	2537652	< 1	< 1	0.0%	< 1				80%	120%
Sc	1	2537652	< 0.5	< 0.5	0.0%	< 0.5				80%	120%
Se	1	2537652	< 10	< 10	0.0%	< 10				80%	120%
Sn	1	2537652	< 5	< 5	0.0%	< 5				80%	120%
Sr	1	2537652	23.0	17.9	24.9%	< 0.5				80%	120%
Ta	1	2537652	< 10	< 10	0.0%	< 10				80%	120%
Te	1	2537652	< 10	< 10	0.0%	< 10				80%	120%
Th	1	2537652	19	19	0.0%	< 5				80%	120%
Ti	1	2537652	< 0.01	< 0.01	0.0%	< 0.01	0.011	0.011	100%	80%	120%
Tl	1	2537652	< 5	< 5	0.0%	< 5				80%	120%
U	1	2537652	< 5	< 5	0.0%	< 5				80%	120%
V	1	2537652	1.77	1.68	5.2%	< 0.5				80%	120%
W	1	2537652	< 1	< 1	0.0%	< 1				80%	120%
Y	1	2537652	6	6	0.0%	< 1				80%	120%



Quality Assurance

CLIENT NAME: ARCTURUS VENTURES

AGAT WORK ORDER: 11Y509846

PROJECT NO:

ATTENTION TO: BRANDON MACDINALD

Solid Analysis (Continued)											
RPT Date: Jul 29, 2011		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits	
										Lower	Upper
Zn	1	2537652	36.6	36.3	0.8%	< 0.5				80%	120%
Zr	1	2537652	5	5	0.0%	< 5				80%	120%
Aqua Regia Digest - ICP-OES finish with Hg-CVAA (201090)											
Ag	1	2537677	< 0.2	< 0.2	0.0%	< 0.2				80%	120%
Al	1	2537677	0.73	0.74	1.4%	< 0.01				80%	120%
As	1	2537677	6	6	0.0%	< 1				80%	120%
B	1	2537677	< 5	< 5	0.0%	< 5				80%	120%
Ba	1	2537677	65	66	1.5%	< 1				80%	120%
Be	1	2537677	0.6	0.6	0.0%	< 0.5				80%	120%
Bi	1	2537677	< 1	< 1	0.0%	< 1				80%	120%
Ca	1	2537677	0.08	0.08	0.0%	< 0.01				80%	120%
Cd	1	2537677	< 0.5	< 0.5	0.0%	< 0.5				80%	120%
Ce	1	2537677	80	75	6.5%	< 1				80%	120%
Co	1	2537677	2.7	2.7	0.0%	< 0.5				80%	120%
Cr	1	2537677	113	119	5.2%	< 0.5				80%	120%
Cu	1	2537677	14.8	14.9	0.7%	< 0.5				80%	120%
Fe	1	2537677	1.83	1.86	1.6%	< 0.01				80%	120%
Ga	1	2537677	< 5	< 5	0.0%	< 5				80%	120%
In	1	2537677	< 1	< 1	0.0%	< 1				80%	120%
K	1	2537677	0.469	0.476	1.5%	< 0.01				80%	120%
La	1	2537677	38	36	5.4%	< 1				80%	120%
Li	1	2537677	12	12	0.0%	< 1				80%	120%
Mg	1	2537677	0.12	0.12	0.0%	< 0.01				80%	120%
Mn	1	2537677	78	75	3.9%	< 1				80%	120%
Mo	1	2537677	4.0	3.9	2.5%	< 0.5				80%	120%
Na	1	2537677	0.01	0.01	0.0%	< 0.01				80%	120%
Ni	1	2537677	2.35	2.39	1.7%	< 0.5				80%	120%
P	1	2537677	199	199	0.0%	< 10				80%	120%
Pb	1	2537677	2.62	2.80	6.6%	< 0.5				80%	120%
Rb	1	2537677	21	22	4.7%	< 10				80%	120%
S	1	2537677	0.772	0.764	1.0%	< 0.005				80%	120%
Sb	1	2537677	< 1	< 1	0.0%	< 1				80%	120%
Sc	1	2537677	1.18	1.27	7.3%	< 0.5				80%	120%
Se	1	2537677	< 10	< 10	0.0%	< 10				80%	120%
Sn	1	2537677	< 5	< 5	0.0%	< 5				80%	120%
Sr	1	2537677	5.9	5.9	0.0%	< 0.5				80%	120%
Ta	1	2537677	< 10	< 10	0.0%	< 10				80%	120%
Te	1	2537677	< 10	< 10	0.0%	< 10				80%	120%
Th	1	2537677	20	20	0.0%	< 5				80%	120%
Ti	1	2537677	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Tl	1	2537677	< 5	< 5	0.0%	< 5				80%	120%
U	1	2537677	< 5	< 5	0.0%	< 5				80%	120%
V	1	2537677	3.4	3.4	0.0%	< 0.5				80%	120%
W	1	2537677	< 1	< 1	0.0%	< 1				80%	120%



Quality Assurance

CLIENT NAME: ARCTURUS VENTURES

AGAT WORK ORDER: 11Y509846

PROJECT NO:

ATTENTION TO: BRANDON MACDINALD

Solid Analysis (Continued)										
RPT Date: Jul 29, 2011		REPLICATE				Method Blank	REFERENCE MATERIAL			
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits
									Lower	Upper
Y	1	2537677	7	7	0.0%	< 1			80%	120%
Zn	1	2537677	50.2	54.2	7.7%	< 0.5			80%	120%
Zr	1	2537677	< 5	< 5	0.0%	< 5			80%	120%
Aqua Regia Digest - ICP-OES finish with Hg-CVAA (201090)										
Ag	1	2537677	< 0.2	< 0.2	0.0%	< 0.2			80%	120%
Al	1	2537677	0.73	0.74	1.4%	< 0.01			80%	120%
As	1	2537677	7	6	15.4%	< 1			80%	120%
B	1	2537677	< 5	< 5	0.0%	< 5			80%	120%
Ba	1	2537677	69	68	1.5%	< 1			80%	120%
Be	1	2537677	0.69	0.65	6.0%	< 0.5			80%	120%
Bi	1	2537677	< 1	< 1	0.0%	< 1			80%	120%
Ca	1	2537677	0.08	0.08	0.0%	< 0.01			80%	120%
Cd	1	2537677	< 0.5	< 0.5	0.0%	< 0.5			80%	120%
Ce	1	2537677	74	67	9.9%	< 1			80%	120%
Co	1	2537677	2.3	2.3	0.0%	< 0.5			80%	120%
Cr	1	2537677	118	115	2.6%	< 0.5			80%	120%
Cu	1	2537677	18.3	17.2	6.2%	< 0.5			80%	120%
Fe	1	2537677	1.83	1.86	1.6%	< 0.01			80%	120%
Ga	1	2537677	< 5	< 5	0.0%	< 5			80%	120%
In	1	2537677	< 1	1		< 1			80%	120%
K	1	2537677	0.469	0.476	1.5%	< 0.01			80%	120%
La	1	2537677	32	29	9.8%	< 1			80%	120%
Li	1	2537677	12	12	0.0%	< 1			80%	120%
Mg	1	2537677	0.12	0.12	0.0%	< 0.01			80%	120%
Mn	1	2537677	78	75	3.9%	< 1			80%	120%
Mo	1	2537677	4.70	4.52	3.9%	< 0.5			80%	120%
Na	1	2537677	0.01	0.01	0.0%	< 0.01			80%	120%
Ni	1	2537677	2.18	2.36	7.9%	< 0.5			80%	120%
P	1	2537677	217	209	3.8%	< 10			80%	120%
Pb	1	2537677	2.4	2.5	4.1%	< 0.5			80%	120%
Rb	1	2537677	35	34	2.9%	< 10			80%	120%
S	1	2537677	0.772	0.764	1.0%	< 0.005			80%	120%
Sb	1	2537677	< 1	< 1	0.0%	< 1			80%	120%
Sc	1	2537677	1.77	1.71	3.4%	< 0.5			80%	120%
Se	1	2537677	< 10	< 10	0.0%	< 10			80%	120%
Sn	1	2537677	< 5	< 5	0.0%	< 5			80%	120%
Sr	1	2537677	5.68	5.64	0.7%	< 0.5			80%	120%
Ta	1	2537677	< 10	< 10	0.0%	< 10			80%	120%
Te	1	2537677	< 10	< 10	0.0%	< 10			80%	120%
Th	1	2537677	19	16	17.1%	< 5			80%	120%
Ti	1	2537677	< 0.01	< 0.01	0.0%	< 0.01			80%	120%
Tl	1	2537677	< 5	< 5	0.0%	< 5			80%	120%
U	1	2537677	< 5	< 5	0.0%	< 5			80%	120%
V	1	2537677	4.88	4.83	1.0%	< 0.5			80%	120%



Quality Assurance

CLIENT NAME: ARCTURUS VENTURES

AGAT WORK ORDER: 11Y509846

PROJECT NO:

ATTENTION TO: BRANDON MACDINALD

Solid Analysis (Continued)												
RPT Date: Jul 29, 2011			REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD	Result Value		Expect Value	Recovery	Acceptable Limits		
							Lower			Upper		
W	1	2537677	< 1	< 1	0.0%	< 1				80%	120%	
Y	1	2537677	8	7	13.3%	< 1				80%	120%	
Zn	1	2537677	55.3	55.6	0.5%	< 0.5				80%	120%	
Zr	1	2537677	< 5	< 5	0.0%	< 5				80%	120%	
Aqua Regia Digest - Au, ICP-MS finish (202054)												
Au	1	2537606	0.00388	0.00400	3.0%	0.00016				70%	130%	
Aqua Regia Digest - Au, ICP-MS finish (202054)												
Au	1	2537626	0.00312	0.00466		< 0.00005				70%	130%	
Fire Assay - Trace Au, ICP-OES finish (202052)												
Au	1	2537652	0.002	0.002	0.0%	< 0.001	0.199	0.203	98%	80%	120%	
Fire Assay - Trace Au, ICP-OES finish (202052)												
Au	1	2537677	< 0.001	< 0.001	0.0%	< 0.001	0.0842	0.0849	99%	80%	120%	
Fire Assay - Trace Au, ICP-OES finish (202052)												
Au	1	2537674	0.002	0.002	0.0%	< 0.001				80%	120%	
Fire Assay - Trace Au, ICP-OES finish (202052)												
Au	1	2537677	0.002	0.002	0.0%	< 0.001				80%	120%	

Certified By:

Ron Cardinal



Method Summary

CLIENT NAME: ARCTURUS VENTURES

AGAT WORK ORDER: 11Y509846

PROJECT NO:

ATTENTION TO: BRANDON MACDINALD

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Au			ICP-MS
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12020		ICP/OES
Al	MIN-200-12020		ICP/OES
As	MIN-200-12020		ICP/OES
B	MIN-200-12020		ICP/OES
Ba	MIN-200-12020		ICP/OES
Be	MIN-200-12020		ICP/OES
Bi	MIN-200-12020		ICP/OES
Ca	MIN-200-12020		ICP/OES
Cd	MIN-200-12020		ICP/OES
Ce	MIN-200-12020		ICP/OES
Co	MIN-200-12020		ICP/OES
Cr	MIN-200-12020		ICP/OES
Cu	MIN-200-12020		ICP/OES
Fe	MIN-200-12020		ICP/OES
Ga	MIN-200-12020		ICP/OES
In	MIN-200-12020		ICP/OES
K	MIN-200-12020		ICP/OES
La	MIN-200-12020		ICP/OES
Li	MIN-200-12020		ICP/OES
Mg	MIN-200-12020		ICP/OES
Mn	MIN-200-12020		ICP/OES
Mo	MIN-200-12020		ICP/OES
Na	MIN-200-12020		ICP/OES
Ni	MIN-200-12020		ICP/OES
P	MIN-200-12020		ICP/OES
Pb	MIN-200-12020		ICP/OES
Rb	MIN-200-12020		ICP/OES
S	MIN-200-12020		ICP/OES
Sb	MIN-200-12020		ICP/OES
Sc	MIN-200-12020		ICP/OES
Se	MIN-200-12020		ICP/OES
Sn	MIN-200-12020		ICP/OES
Sr	MIN-200-12020		ICP/OES
Ta	MIN-200-12020		ICP/OES
Te	MIN-200-12020		ICP/OES
Th	MIN-200-12020		ICP/OES
Ti	MIN-200-12020		ICP/OES
Tl	MIN-200-12020		ICP/OES
U	MIN-200-12020		ICP/OES
V	MIN-200-12020		ICP/OES
W	MIN-200-12020		ICP/OES
Y	MIN-200-12020		ICP/OES
Zn	MIN-200-12020		ICP/OES
Zr	MIN-200-12020		ICP/OES
Hg-CVAA	MIN-200-12022		CVAAS
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP-OES