ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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# ASSESSMENT REPORT

describing

## SOIL SAMPLING, EXCAVATOR TRENCHING AND DIAMOND DRILLING

at the

## CONNAUGHT PROPERTY

| | |
|---|---|
| CN 1-120 | YC44099-YC44218 |
| 125-162 | YC44219-YC44256 |
| 167-178 | YC44257-YC44268 |
| 189-198 | YC44269-YC44278 |
| 199-202 | YC62938-YC62941 |
| 203-216 | YC63043-TC63056 |
| NC 1-8 | YC44412-YC44419 |
| 13-32 | YC44220-YC44439 |
| Mag 1-4 | YC36338-YC36341 |
| 5-24 | YC36806-YC36825 |

located at

NTS 115N/15
Latitude 63˚55'N; Longitude 140˚48'W

in the
Dawson Mining District

prepared by
Archer, Cathro & Associates (1981) Limited

for

**KLONDIKE SILVER CORP.**
and
**ATAC RESOURCES LTD.**

by

William A. Wengzynowski, P.Eng.
March 2008

## CONTENTS


| | PAGE |
|---|---|
| INTRODUCTION | 1 |
| PROPERTY LOCATION, CLAIM DATA AND ACCESS | 1 |
| PREVIOUS WORK | 2 |
| GEOMORPHOLOGY AND VEGETATION | 2 |
| GEOLOGY | 3 |
| GENERAL MINERALIZATION | 4 |
| 2007 EXPLORATION PROGRAM | 4 |
| DISCUSSION AND CONCLUSIONS | 17 |
| REFERENCES | 19 |


## APPENDICES


I STATEMENT OF QUALIFICATIONS

II CERTIFICATES OF ANALYSIS

III 2007 TRENCH MAPS

IV GEOTECHNICAL AND DIAMOND DRILL LOGS

## FIGURES


| No. | Description | Following Page |
|---|---|---|
| 1 | Property Location | 1 |
| 2 | Claim Location | 1 |
| 3 | Tectonic Setting | 3 |
| 4 | Geology | 3 |
| 5 | Grid Compilation | 5 |
| 6 | Lead Geochemical Compilation | in pocket |
| 7 | Grid A Soil Sample Location | 5 |
| 8 | Grid B Soil Sample Location | 5 |
| 9 | Silver Geochemistry | in pocket |
| 10 | Arsenic Geochemistry | in pocket |
| 11 | Antimony Geochemistry | in pocket |
| 12 | Target A Trench Location | 7 |
| 13 | Target A Soil Sample Location | 7 |
| 14 | Rock Sample Location | 7 |
| 15 | 2007 No. 1 Vein Compilation | 7 |
| 16 | 2007 No. 3 Vein Compilation | 9 |
| 17 | No. 3 Vein Channel Sample | 9 |
| 18 | 2007 No. 4 Vein Compilation | 10 |
| 19 | 2007 No. 7 and Stirling Vein Trench Location | 12 |
| 20 | Stirling Vein Compilation | 12 |
| 21 | 2007 Core Shack Trench Location | 13 |

| | | |
|---|---|---|
| 22 | Drill Hole Location | 14 |
| 23 | Section CN-07-01 and CN-07-02 | 14 |
| 24 | Section CN-07-05 and CN-07-06 | 15 |
| 25 | Section CN-07-07 | 15 |
| 26 | Section CN-07-03 | 16 |
| 27 | Section CN-07-04 | 16 |


## TABLES


| No. | Description | Page |
|---|---|---|
| I | Anomalous Threshold Classification | 5 |
| II | No.1 Vein - Chip Sample Results | 8 |
| III | No. 2 Vein - Select Results | 9 |
| IV | No. 3 Vein - Sawn Channel Sample Results | 9 |
| V | No. 4 Vein - Trench Sample Results | 10 |
| VI | No. 7 Vein - Chip Sample Results | 11 |
| VII | Stirling Vein - Chip Sample Results | 12 |
| VIII | Stirling Vein - Weighted Average Grades | 12 |
| IX | Significant Results - Core Shack Trenches | 13 |
| X | No. 8 Vein - Historical Results | 13 |
| XI | 2007 Drill Data | 14 |
| XII | No. 3 Vein - CN-07-05 - Significant Results | 15 |
| XIII | No. 3 Vein - CN-07-07 - Drill Results | 16 |
| XIV | No. 4 Vein - Drill Results | 17 |

## INTRODUCTION

The Connaught property hosts an extensive system of silver-lead-gold veins located in the Sixtymile placer gold camp of western Yukon Territory. Most of the claims comprising the property (214) are owned 100 % by ATAC Resources Ltd. and are under option to Klondike Silver Corp. An additional 24 claims are currently under option to ATAC and Klondike Silver where both companies can earn 100% interest subject to cash payments, issuance of shares and a Net Smelter Royalty (NSR) payable down to 1%.

This report describes soil sampling, excavator trenching and diamond drilling performed in 2007. The author supervised and participated in the work and his Statement of Qualifications appears in Appendix I.

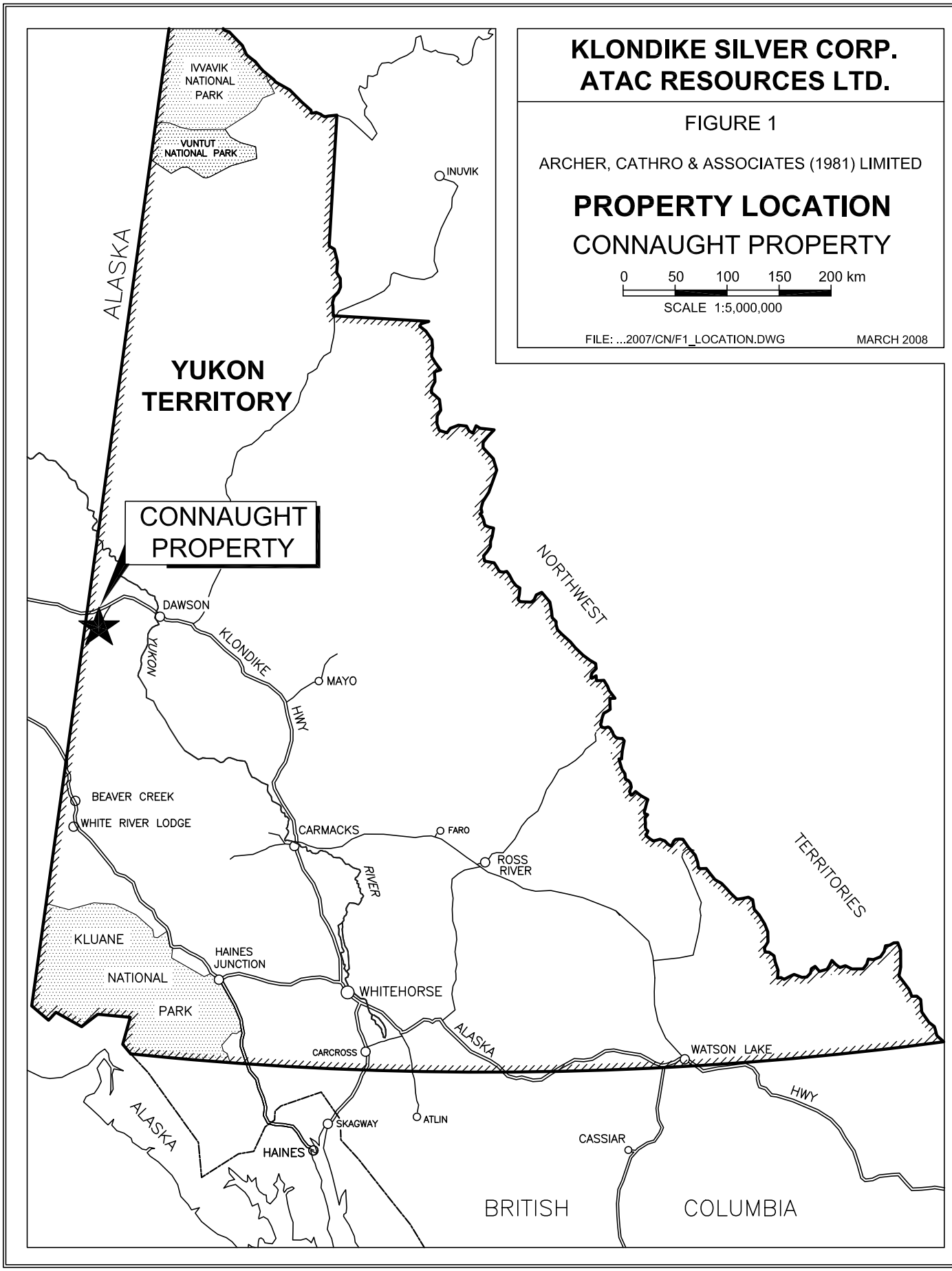
## PROPERTY LOCATION, CLAIM DATA AND ACCESS

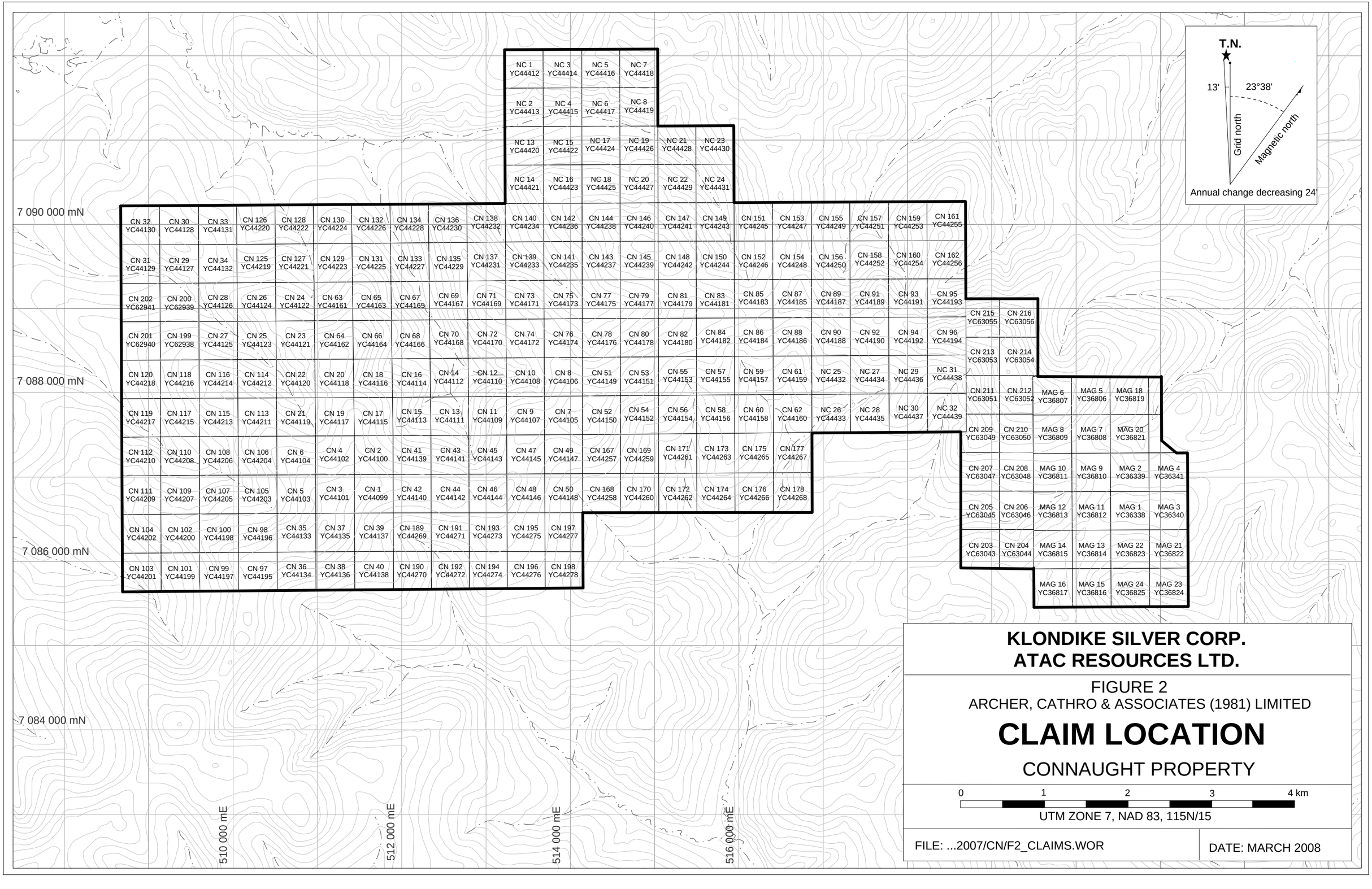
The Connaught property consists of 238 contiguous mineral claims located in western Yukon at latitude 63˚55' north and longitude 140˚48' west on NTS map sheet 115N/15 (Figure 1). The CN and NC claims are registered with the Dawson Mining Recorder in the name of Archer, Cathro & Associates (1981) Limited, which holds them in trust for ATAC. Claim data are listed below while the locations of individual claims are shown on Figure 2.

| Claim Name | Grant Number | Expiry Date* |
|---|---|---|
| CN 1-120 | YC44099-YC44218 | May 26, 2014 |
| 125-162 | YC44219-YC44256 | May 26, 2014 |
| 167-178 | YC44257-YC44268 | May 26, 2014 |
| 189-198 | YC44257-YC44268 | May 26, 2014 |
| 199-202 | YC62938-YC62941 | May 26, 2013 |
| 203-216 | YC63043-TC63056 | November 7, 2008 |
| NC 1-8 | YC44412-YC44419 | May 26, 2014 |
| 13-32 | YC44220-YC44439 | May 26, 2014 |
| Mag 1 | YC36338 | September 1, 2008 |
| 2 | YC36339 | September 1, 2009 |
| 3-4 | YC36340-YC36341 | September 1, 2008 |
| 5-24 | YC36806-YC36825 | December 15, 2008 |

* Expiry dates include 2007 work which has been filed for assessment credit but not yet accepted.

The property lies 65 km due west of Dawson City and can be reached by four wheel drive vehicle via the Sixtymile Road, which runs south from the Top of the World Highway. An extensive system of bush roads and trails exist on the property but to reach them, the Sixtymile River must be forded. During spring runoff and following major storms, this ford may be impassable. The Top of the World Highway extends west from Dawson City into Alaska and is open during summer and fall when the ferry across the Yukon River is in service. Dawson City is situated 536 km by road north of Whitehorse, the Yukon's main supply centre, and is reached via the all-season Klondike Highway.


KLONDIKE SILVER CORP.
ATAC RESOURCES LTD.
FIGURE 1
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
PROPERTY LOCATION
CONNAUGHT PROPERTY
0 50 100 150 200 km
SCALE 1:5,000,000
FILE: ...2007/CN/F1_LOCATION.DWG
MARCH 2008
IVVAVIK NATIONAL PARK
VUNTUT NATIONAL PARK
INUVIK
ALASKA
YUKON TERRITORY
CONNAUGHT PROPERTY
NORTHWEST
DAWSON
YUKON
KLONDIKE
HWY
MAYO
BEAVER CREEK
WHITE RIVER LODGE
CARMACKS
FARO
ROSS RIVER
RIVER
TERRITORIES
KLUANE
NATIONAL
PARK
HAINES JUNCTION
WHITEHORSE
ALASKA
CARCROSS
WATSON LAKE
HWY
ALASKA
SKAGWAY
ATLIN
HAINES
CASSIAR
BRITISH
COLUMBIA




**KLONDIKE SILVER CORP.**
**ATAC RESOURCES LTD.**

FIGURE 2
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# CLAIM LOCATION

CONNAUGHT PROPERTY

0 1 2 3 4 km

UTM ZONE 7, NAD 83, 115N/15

FILE: ...2007/CN/F2_CLAIMS.WOR

DATE: MARCH 2008

Helicopters are based in Dawson City and in 2007 Fireweed Helicopters Ltd. was used to facilitate the movement of water pumps for diamond drilling.

## PREVIOUS WORK

The following summary is based largely upon Yukon Minfile descriptions (Traynor, 2005). Results from historical work are discussed in the appropriate sections later in this report.

Silver-lead-gold veins were likely discovered in the Sixtymile area in the early 1900s; however, the first recorded claims in the vicinity of the Connaught property were staked in 1965 by J. Lerner and M. Chefkoi. Geochemical sampling and bulldozer trenching were completed that year under an option agreement with A. Moisey, who later transferred the claims to Sixtymile Mining Company Ltd.

In 1966 and 1967, Sixtymile Mining carried out additional bulldozer trenching, conducted electromagnetic (EM) surveys and shipped approximately 18 tonnes of hand-sorted ore from the No. 1 and No. 3 Veins to the Cominco smelter at Trail, BC (Harper, 1967).

During 1968 and 1969, the property was held under option by Connaught Mines Ltd, which completed geological mapping, geochemical sampling, bulldozer trenching and 431.8 m of diamond drilling in eight holes beneath the No. 1 and No. 3 veins (Archer, 1969).

In 1976, Connaught transferred its interest to A.F. Tottrup, who in turn optioned the property to J. Lerner. The latter reportedly shipped an additional 218 tonnes of ore from the No. 1 and No. 3 veins to the Cominco smelter. When combined, the 1966 and 1976 shipments averaged 2228.5 g/t silver, 60% lead and 1.0 g/t gold. In 1979, Tottrup re-optioned the claims to Wesley Mines Ltd. but there is no record of work by that company.

In spring 1987, Walhalla Exploration Ltd. restaked the core of the property and optioned it to Croesus Resources Ltd., which later performed geological mapping, geochemical sampling, geophysical surveys and bulldozer trenching. Croesus then optioned the property to Red Fox Minerals Ltd. and Kelan Resources Inc., which completed 612.1 m of diamond drilling in 18 holes during 1988 (Price, 1989).

In 1998, 17363 Yukon Inc. restaked the main showings and surrounding area. It conducted minor prospecting and geochemical sampling and contracted Equity Engineering Ltd. to perform geological mapping and geochemical sampling across the known veins and showings (Harris, 1998).

In spring 2006, the property was restaked by ATAC, which optioned the claim block to Klondike Silver Corp. and flew a property-wide helicopter borne VTEM Survey.

## GEOMORPHOLOGY AND VEGETATION

The Connaught property is situated in the northern part of the Dawson Range, about 45 km southwest of the Tintina Trench. The Dawson Range features rounded ridges and low peaks,

which represent the top of an old peneplane plane that has been deeply incised by dendritic drainages. Continental ice sheets did not cover the area but there is evidence of localized alpine glaciation. The property is drained by creeks that flow into the Sixtymile River, part of the Yukon River watershed.

Local elevations range from 792 m alongside the Sixtymile River to 1493 m atop a ridge near the centre of the claim block. Terrain is subdued with gentle to moderately steep hillsides flanking broad, rounded hilltops. Outcrop is rare and is mostly confined to ridge crests. In areas where drilling had been done, the rocks are typically weathered to about 30 m below surface (Cholach, 1969). Soil development is good but there has likely been considerable solifluction on hillsides.

Vegetation varies from mature spruce and poplar forests on the floor of the Sixtymile River valley to stunted spruce and buckbrush near ridge tops. North facing slopes are often moss covered and permanently frozen, which presents a significant obstacle to soil sampling, trenching and road construction.

## GEOLOGY

Geology in the vicinity of the Connaught property was most recently mapped by Mortensen (1996) and put into broader context by Gordey and Makepeace (1999). The geology described below is based mostly upon Mortenson.

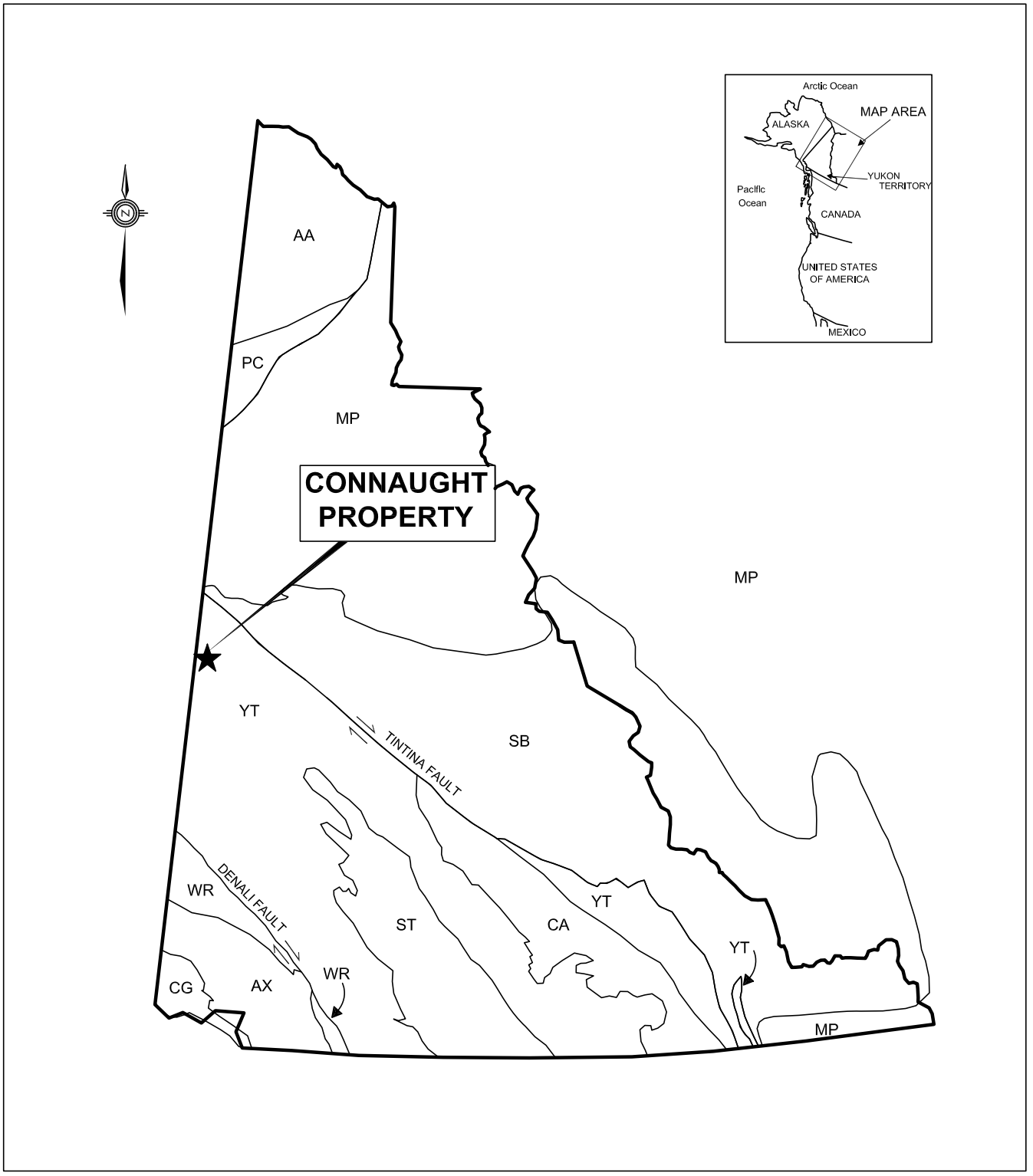
The property lies between the Tintina and Denali Faults (Figure 3) within a part of Yukon that is mostly underlain by Yukon-Tanana Terrane comprised of continental margin sediments, island arc volcanics and coeval intrusions that were metamorphosed and deformed during accretion to the North American continent during Mesozoic times.

The area in the vicinity of the claim block can be roughly divided into two lithologic packages along an east-west transect. The southern part is underlain by metaplutonic rocks of the South Fiftymile Batholith while the northern part contains supracrustal rocks of the Nasina and Klondike Schist Assemblages (Figure 4).

The **Nasina Assemblage** comprises Late Devonian to Mid-Mississippian fine grained, moderately to non carbonaceous, quartz-muscovite-chlorite schist and quartzite with locally abundant interlayered mafic schist and amphibolite. In the Sixtymile River area, higher grade metamorphic equivalent rocks are present and are composed of coarse-grained, locally garnetiferous biotite-quartz muscovite schist and amphibolite.

The **South Fiftymile Batholith** is an early Mississippian granitic orthogneiss and contains coarse potassium feldspar augen. These rocks are believed to be separated from the Nasina Assemblage stratigraphy along a shallow northeasterly dipping normal fault.

The **Klondike Schist Assemblage** comprises a variety of Mid-Permian felsic schists of volcanic affinity. Micaceous quartzite and quartz-feldspar-muscovite-biotite schist are commonly layered within the felsic schist. These rocks are present as a klippen that has been juxtaposed atop the




ANCESTRAL NORTH AMERICA

| | |
|---|---|
| MP | Mackenzie Platform |
| SB | Selwyn Basin |

TERRANES
Displaced Continental Margin

| | |
|---|---|
| AA | Arctic Alaska |
| CA | Cassiar |
| PC | Porcupine |

Pericratonic Terranes

| | |
|---|---|
| YT | Yukon-Tanana / Slide Mountain |

ACCRETED TERRANES

| | |
|---|---|
| ST | Stikinia / Cache Creek |
| AX | Alexander |
| WR | Wrangellia |
| CG | Chugach |

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**ATAC RESOURCES LTD.**

FIGURE 3

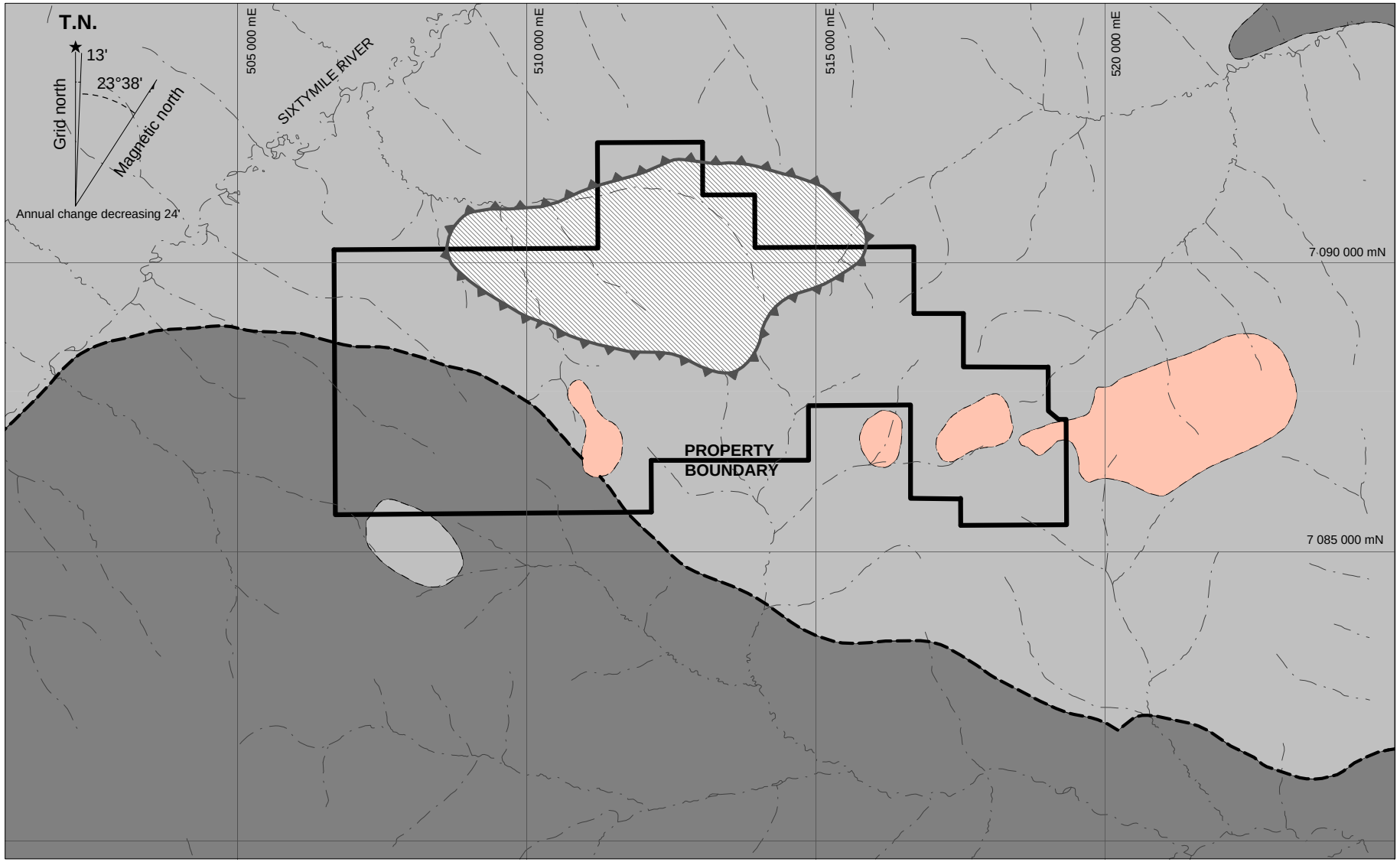
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# TECTONIC SETTING
## CONNAUGHT PROPERTY

0 100 200 km

FILE: ...2007/CN/F3_REGIONAL.DWG

DATE: MARCH 2008




KLONDIKE SCHIST ASSEMBLAGE

Rusty weathering quartz-muscovite schist

NASINA ASSEMBLAGE

Greenschist facies: graphitic, undifferentiated, mainly pale to dark grey weathering, fine grained quartzite, quartz-muscovite (+/- chlorite) schist; locally garnetiferous

LATE CRETACEOUS PLUTONIC SUITE

Hornblende-biotite granodiorite

SOUTH FIFTYMILE BATHOLITH

Moderately to strongly foliated K-feldspar augen-bearing quartz monzanitic to granitic gneiss

Contact

Low angle normal fault

Thrust fault

After Mortensen (1996)

**KLONDIKE SILVER CORP.**
**ATAC RESOURCES LTD.**

FIGURE 4

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# GEOLOGY

## CONNAUGHT PROPERTY

0 1 5 km

UTM Zone 7, NAD83, 115 N15

FILE: 2007/CN/F4_REGIONAL.WOR

DATE: MARCH 2008

Nasina Assemblage stratigraphy. The dominant foliation in the metamorphic sequences strikes 150° and dips 31° to the northeast (Cholach, 1969).

A string of Late Cretaceous, fine to medium grained equigranular biotite-hornblende quartz monzonite and granodiorite plugs and stocks are mapped intruding the Nasina Assemblage strata and South Fiftymile Batholith in the southern and eastern parts of the property.

A number of large scale, northeasterly trending normal faults are present in the region. The Sixtymile River valley bottom may mark the centre of a graben (Mortensen pers. comm.). Nine major vein structures have been identified in the vicinity of the property within all stratigraphic units. Veins are associated with easterly to northeasterly trending structures and their compositions are described in the General Mineralization section.

## GENERAL MINERALIZATION

The CN property is currently being explored as a high-grade silver-lead-gold vein target modelled after the highly productive mines at Keno Hill located about 250 km to the east. This model was also the focus of historical exploration although porphyry and skarn mineralization have been identified on adjoining claims.

Vein zones on the CN property are associated with dilatent structures up to several metres in thickness and have been traced for strike lengths in excess of 260 m. Massive galena-anglesite lenses occur in the core portion of the veins and appear to pinch and swell. Galena is typically coarse cubic and contains erratic blebs of chalcopyrite. Anglesite weathered surfaces typically exhibit botryoidal textures and some exposures exhibit coarse shear textures. Outer portions of the veins or parts of the veins where galena is absent consist primarily of multiphase quartz mineralized with variable quantities of blebby to massive arsenopyrite, scorodite ± chalcopyrite ± covellite ± stibnite.

Alteration of the quartz sulphide mineralization and selvages in both the hanging wall and the footwall strata are often bleached, bright and pale green due to oxidization of sulphides (primarily arsenopyrite to scorodite) and sericitization of mafic minerals. Rare bleached phyllic- and argillic-altered halos extend up to six metres adjacent to the vein contact.

Of the known veins on the property, the No. 1, 3, 8 , 9 and stirling strike 050 to 094° and dip 070° to the south or sub-vertical, while the No. 2, 4, 5, 6 and 7 strike 020 to 038° with steep westerly and easterly dips (Harris, 1998).

## 2007 EXPLORATION PROGRAM

The 2007 exploration program was conducted between July 18 and September 5, 2007 and consisted of grid soil sampling, prospecting and excavator trenching plus diamond drilling. This work was conducted from a tent camp in the central part of the property.

## Soil Geochemistry

In 1969 and 1998 grid soil sampling was performed in the west and central parts of the property as shown on Figure 5. The 1969 survey covers a 4000 by 2000 m area with samples taken at 25 m spacing along lines spaced 25 m apart. The 1998 soil sampling was performed at 100 by 50 m spacing over a 3000 by 2000 m area. The following table of anomalous thresholds has been evolved from historical sample data obtained by Archer Cathro from glaciated and nonglaciated terrains. The following threshold classifications are better suited for glacial terrain but are applicable for the CN property due to the elevated response and excellent contrast.

**Table I: Anomalous Threshold Classification**

| Element | Threshold Value (ppm) | | | Peak Value (ppm) |
|---|---|---|---|---|
| | Weak | Moderate | Strong | |
| Ag | 1 | 2 | 4 | 24.9 |
| Pb | 50 | 100 | 200 | 6600 |
| As | 50 | 100 | 200 | 4030 |
| Sb | 5 | 10 | 25 | 437 |

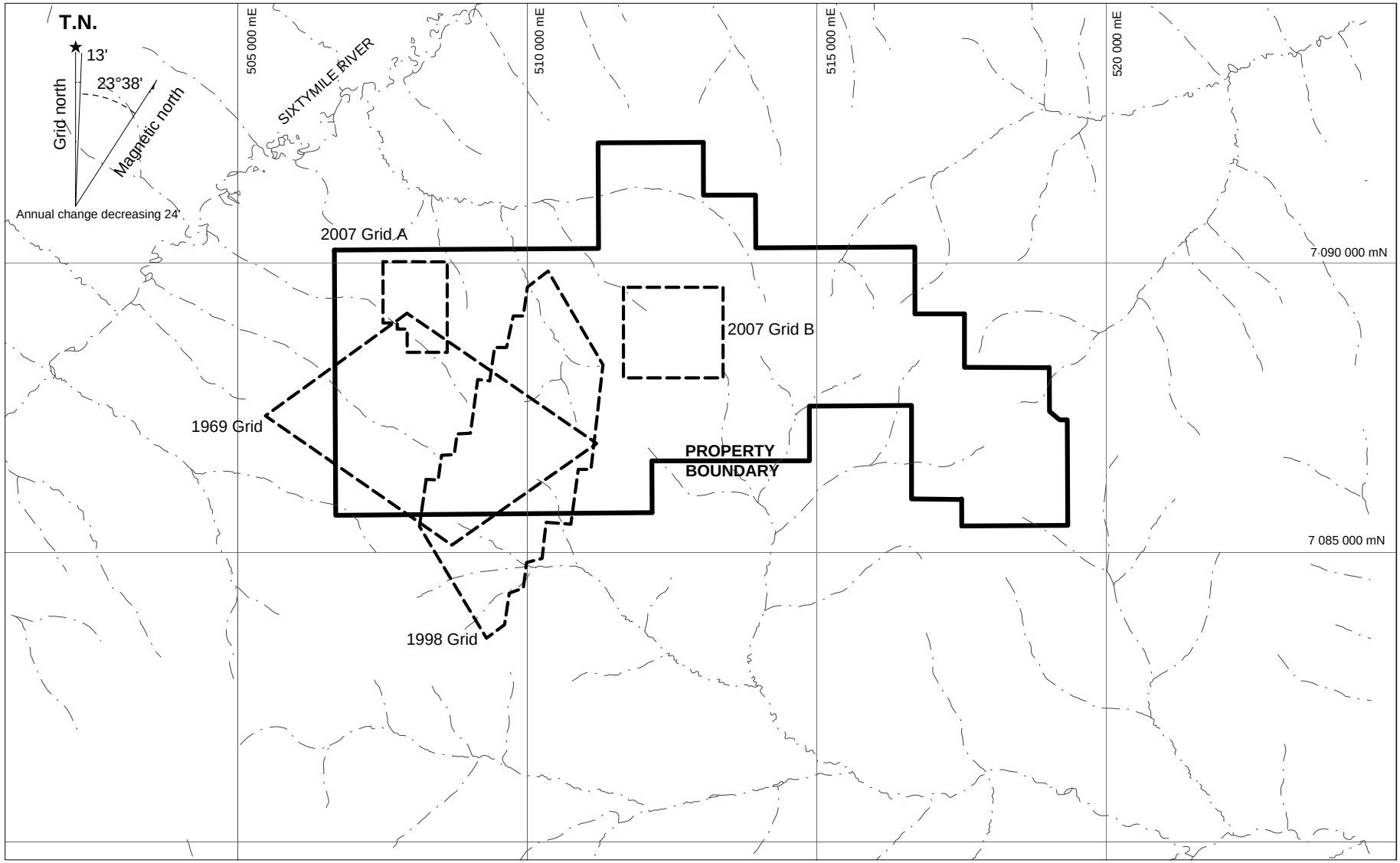
Results from the historical grids identified numerous northeasterly trending clusters of anomalous lead response with peak values up to 6600 ppm as illustrated by the lead geochemical compilation on Figure 6. This was the only pathfinder element analyzed for samples collected from the 1969 grid. Silver response from the 1998 survey grid was elevated coincidently with the lead-in-soil values and peaked at 24.9 ppm.

The 2007 soil sampling program was completed on two grids referred to as Grid A and B. Grid A covers a 1500 m by 1200 m area in the northwestern part of the property just north of and slightly overlapping the 1969 soil grid (Figure 5). Grid B encompasses a 1700 by 1600 m area in the central part of the property and was located to test the area containing the EM conductors identified from the 2006 VTEM survey.

Grid soil samples were located using compass and hip-chain surveys with frequent checks using handheld GPS units. Grid sample sites are marked by aluminium tags inscribed with the sample numbers and affixed to 0.5 m wooden lath that were driven into the ground. Soil samples were collected using soil auger or mattock and placed into individually pre-numbered Kraft paper bags.

A total of 1621 soil samples were collected from Grids A and B. Samples were sent to ALS Chemex in North Vancouver where they were dried and sieved to -180 microns. A portion of the sample was then digested in aqua-regia acid and analysed for 34 elements by the inductively-coupled plasma with atomic emission spectroscopy technique (ME-ICP41). Certificates of Analysis are contained in Appendix II.

Samples from both grids returned anomalous silver, lead, arsenic and antimony values. Sample locations for both grids are shown on Figures 7 and 8 while thematic plots for the stated elements are illustrated on Figures 6,9,10 and 11.




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FIGURE 5

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# GRID COMPILATION

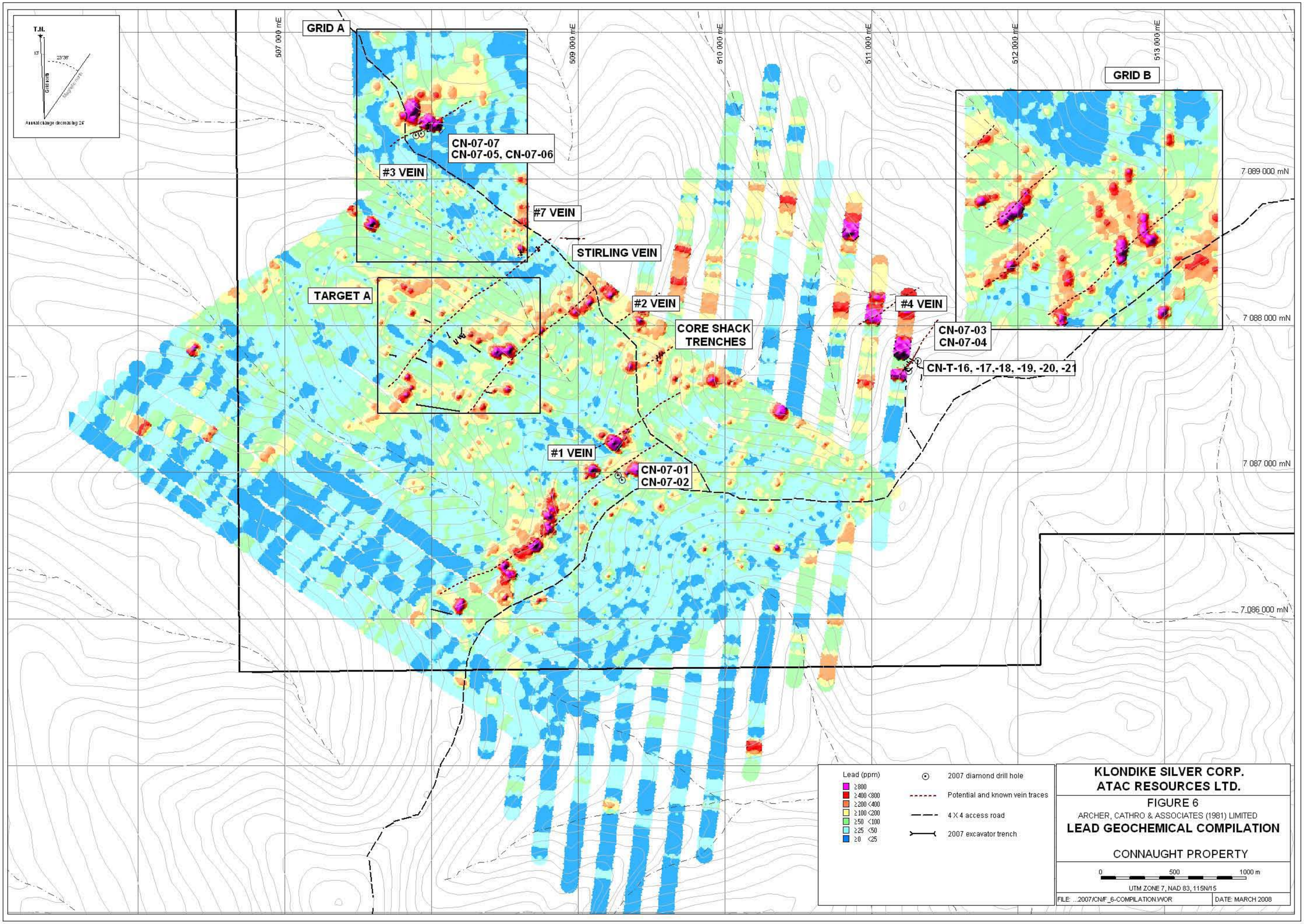
CONNAUGHT PROPERTY

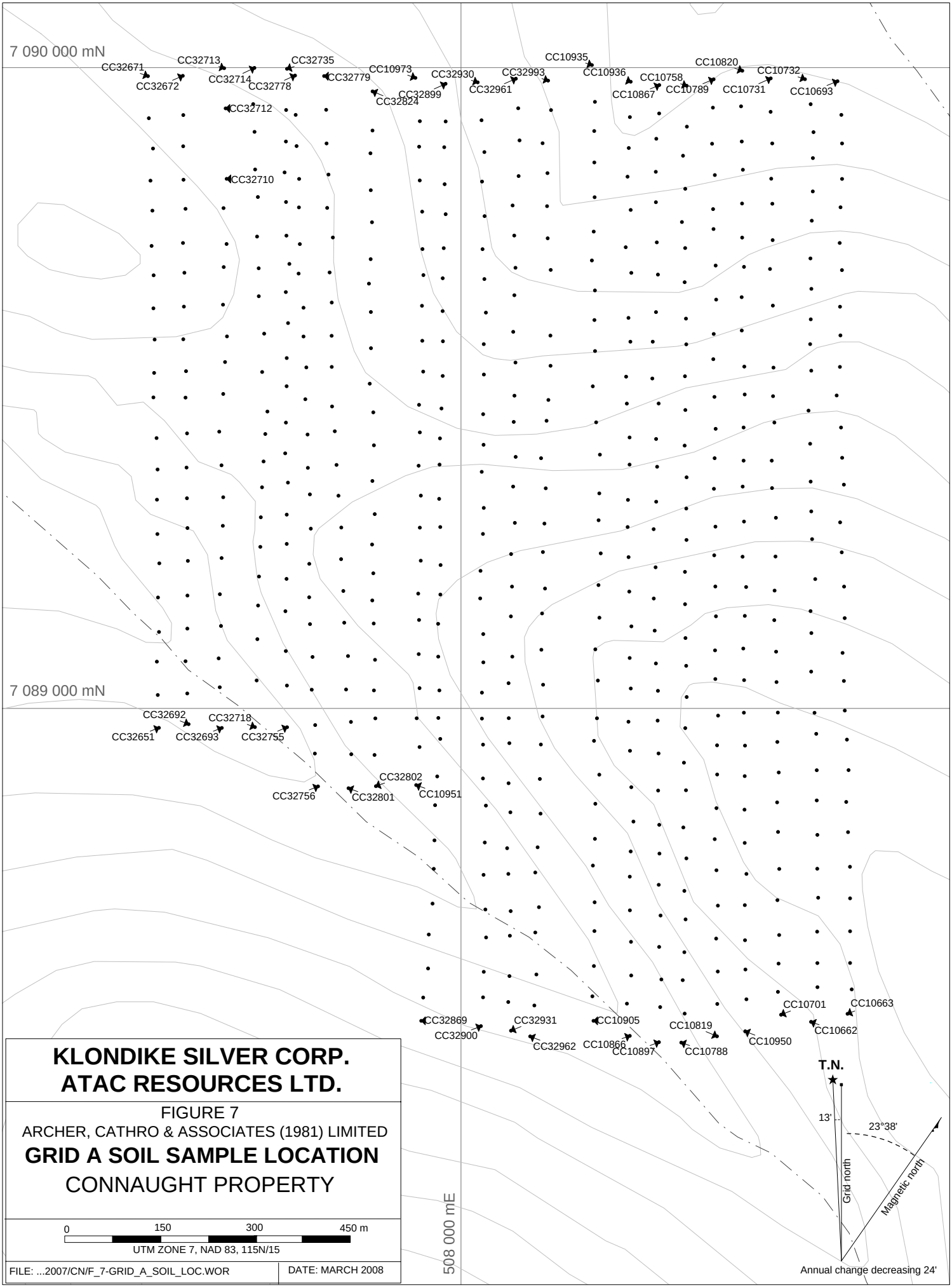
0 1 5 km

UTM Zone 7, NAD83, 115 N15

FILE: 2007/CN/F5_GRID_COMP.WOR

DATE: MARCH 2008


T.N.
13°
23°38'
Grid north
Magnetic north
Annual change decreasing 24'
GRID A
GRID B
TARGET A
CN-07-07
CN-07-05, CN-07-06
#3 VEIN
#7 VEIN
STIRLING VEIN
#2 VEIN
CORE SHACK
TRENCHES
#4 VEIN
CN-07-03
CN-07-04
CN-T-16, -17,-18, -19, -20, -21
#1 VEIN
CN-07-01
CN-07-02
507 000 mE
509 000 mE
510 000 mE
511 000 mE
512 000 mE
513 000 mE
7 089 000 mN
7 088 000 mN
7 087 000 mN
7 086 000 mN
Lead (ppm)
≥800
≥400 <800
≥200 <400
≥100 <200
≥50 <100
≥25 <50
≥0 <25
2007 diamond drill hole
Potential and known vein traces
4 X 4 access road
2007 excavator trench
KLONDIKE SILVER CORP.
ATAC RESOURCES LTD.
FIGURE 6
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
LEAD GEOCHEMICAL COMPILATION
CONNAUGHT PROPERTY
0
500
1000 m
UTM ZONE 7, NAD 83, 115N/15
FILE: ...2007/CN/F_6-COMPILATION.WOR
DATE: MARCH 2008




# KLONDIKE SILVER CORP.
# ATAC RESOURCES LTD.

FIGURE 7

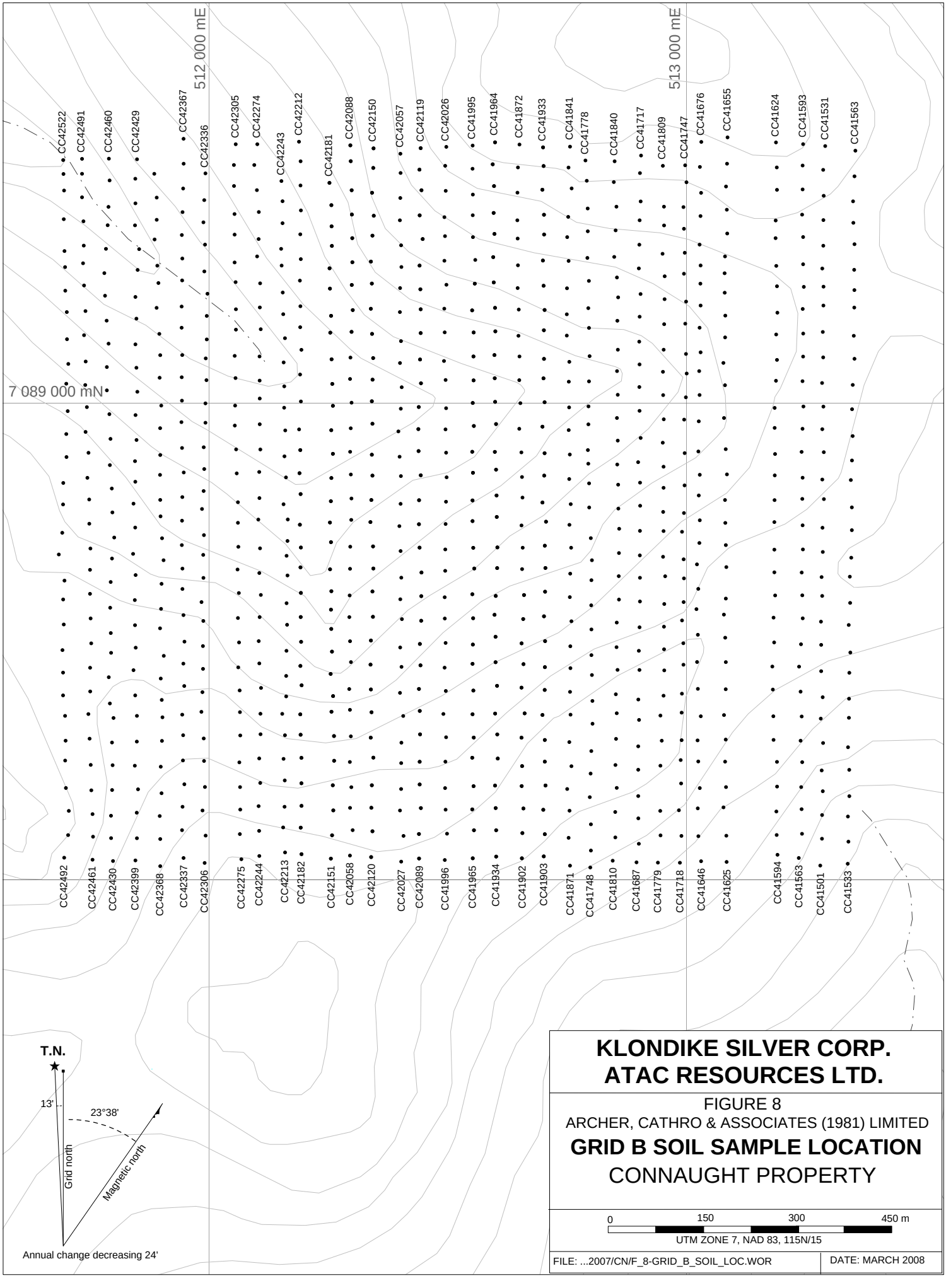
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

## GRID A SOIL SAMPLE LOCATION

CONNAUGHT PROPERTY

FILE: ...2007/CN/F_7-GRID_A_SOIL_LOC.WOR

DATE: MARCH 2008




# KLONDIKE SILVER CORP.
# ATAC RESOURCES LTD.

FIGURE 8

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

## GRID B SOIL SAMPLE LOCATION

CONNAUGHT PROPERTY

0 150 300 450 m

UTM ZONE 7, NAD 83, 115N/15

FILE: ...2007/CN/F_8-GRID_B_SOIL_LOC.WOR

DATE: MARCH 2008

T.N.

13°

23°38'

Grid north

Magnetic north

Annual change decreasing 24'

507 000 mE

509 000 mE

510 000 mE

511 000 mE

512 000 mE

513 000 mE

7 089 000 mN

7 088 000 mN

7 087 000 mN

7 086 000 mN

Silver (ppm)

- ≥10.0
- ≥5.0 <10.0
- ≥2.0 <5.0
- ≥1.0 <2.0
- ≥0.5 <1.0
- ≥0.0 <0.5

2007 diamond drill hole

Potential and known vein traces

4 X 4 access road

2007 excavator trench

**KLONDIKE SILVER CORP.**
**ATAC RESOURCES LTD.**

FIGURE 9

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**SILVER GEOCHEMISTRY**

CONNAUGHT PROPERTY

0 500 1000 m

UTM ZONE 7, NAD 83, 115N/15

FILE: ...2007/CN/F_9-SILVER.WOR

DATE: MARCH 2008

T.N.

13°

23°38'

Grid north

Magnetic north

Annual change decreasing 24'

507 000 mE

509 000 mE

510 000 mE

511 000 mE

512 000 mE

513 000 mE

7 089 000 mN

7 088 000 mN

7 087 000 mN

7 086 000 mN

Arsenic (ppm)

- ≥800
- ≥400 <800
- ≥200 <400
- ≥100 <200
- ≥50 <100
- ≥0 <50

2007 diamond drill hole

Potential and known vein traces

4 X 4 access road

2007 excavator trench

**KLONDIKE SILVER CORP.**
**ATAC RESOURCES LTD.**

FIGURE 10

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**ARSENIC GEOCHEMISTRY**

CONNAUGHT PROPERTY

0 500 1000 m

UTM ZONE 7, NAD 83, 115N/15

FILE: ...2007/CN/F_10-ARSENIC.WOR

DATE: MARCH 2008

T.N.

13°

23°38'

Grid N

Magnetic North

Annual change decreasing 24'

507 000 mE

509 000 mE

510 000 mE

511 000 mE

512 000 mE

513 000 mE

7 089 000 mN

7 088 000 mN

7 087 000 mN

7 086 000 mN

Antimony (ppm)

- ≥40
- ≥20 <40
- ≥10 <20
- ≥5 <10
- ≥2 <5
- ≥0 <2

2007 diamond drill hole

Potential and known vein traces

4 X 4 access road

2007 excavator trench

**KLONDIKE SILVER CORP.**
**ATAC RESOURCES LTD.**

FIGURE 11

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**ANTIMONY GEOCHEMISTRY**

CONNAUGHT PROPERTY

0 500 1000 m

UTM ZONE 7, NAD 83, 115N/15

FILE: ...2007/CN/F_11-ANTIMONY.WOR

DATE: MARCH 2008

Soil sampling within Grid A outlined two north trending anomalies in the vicinity of the No. 3 and 7 Veins. The larger of the two anomalies is 500 m long and is situated in the north central part of the grid along strike to the northeast of the No. 3 Vein. It hosts coincident elevated silver (up to 24.5 ppm), lead (up to 6600 ppm), arsenic (up to 1920 ppm) and antimony (up to 131 ppm) values. The second anomaly is located in the southeastern corner of the grid and is approximately 300 m long. It lies near the southwest end of the No. 7 Vein and returned peak values of 7.9 ppm silver, 2400 ppm lead, 331 ppm arsenic and 26 ppm antimony.

Soil sampling within Grid B identified a series of anomalous clusters with strongly elevated silver, lead, arsenic and antimony with peak values of 24.9 ppm, 3420 ppm, 4030 ppm arsenic and 473 ppm, respectively. Six northeasterly trends are apparent and are best defined by lead geochemistry with strike lengths up to 1000 m. The longest of these anomalies is coincident with the strongest VTEM conductor outlined from the 2006 VTEM survey.

All results were received after the 2007 program was completed therefore none of the anomalies have received any followed up.

**Prospecting and Excavator Trenching**

Prospecting and trenching focussed largely in the areas of lead-in-soil anomalies outlined from the 1969 soil geochemical survey and in the vicinity of the known veins. This work was done using an EX 200 Hitachi excavator owned and operated by 15317 Yukon Ltd. of Whitehorse, Yukon. Twenty nine trenches were excavated, across seven targets but because of extensive permafrost, only fifteen of the trenches reached bedrock.

One hundred and eighty three chip, saw, and specimen samples were collected from prospecting traverses and historical and new trenches on the claim block. Chip samples were collected from trench floors and sawn samples were cut across massive galena lenses. All samples were transported to Whitehorse and forwarded to ALS Chemex of North Vancouver where they were dried and fine crushed to better than 70% passing 2 mm. A 250 g split of the crushed material was pulverized to better than 85% passing 75 micron. A split was then subjected to aqua-regia digestion and analyzed for 34 elements using the ME-ICP41 technique. If a sample exceeded the detection limit for lead or silver it was further analyzed for total metal content using standard assay procedures. Samples exceeding upper detection limits for standard assay procedures were subject to bullion assay methods for final metal content. All pulps were analyzed for gold using fire assay and AA finish. Certificates of Analysis are contained in Appendix II. Individual trench maps are located in Appendix III and document chip samples and specimens selected from the trenches.

**Target A** is situated on an upland plateau in the north central part of the 1969 grid soil survey and is defined by three broad northeasterly trending moderately anomalous lead-in-soil anomalies with numerous clusters of strongly anomalous response (Figure 6). Six of fifteen trenches excavated in this target area tested a northeasterly trending structural zone intermittently exposed by an historical bulldozer trail. The remaining trenches were dug across recessive lineaments cutting across the plateau.

Two parallel vein zones were encountered in trenches CN-T-01 to 08 and CN-T-12 in the area of historical bulldozer trail (Figure 12). Both consist of vuggy quartz with yellow-green weathering arsenic-antimony sulfosalt stringers, blebs and disseminations. The veins and weathered vein material were traced along strike for roughly 90 m but neither of the structures were delineated. No visible galena was observed.

Chip samples from bedrock exposures within this series of trenches yielded up to 429 g/t silver, 6.22 % lead and 1.36 g/t gold across 0.32 m. This interval was part of the a weighted average grade of 177 g/t Ag, 2.28% Pb and 0.5 g/t Au across 1.32 m. A table of significant results from this series of trenches is contained on Figure 12.

Soil samples collected from the floors of the trenches that did not encounter bedrock are shown on Figure 13. The results for these samples have not been incorporated into the thematic plots. The highest values from the trench floor soil samples were 74.5 ppm silver, 15,400 ppm lead, 4,280 ppm arsenic and 536 ppm antimony.

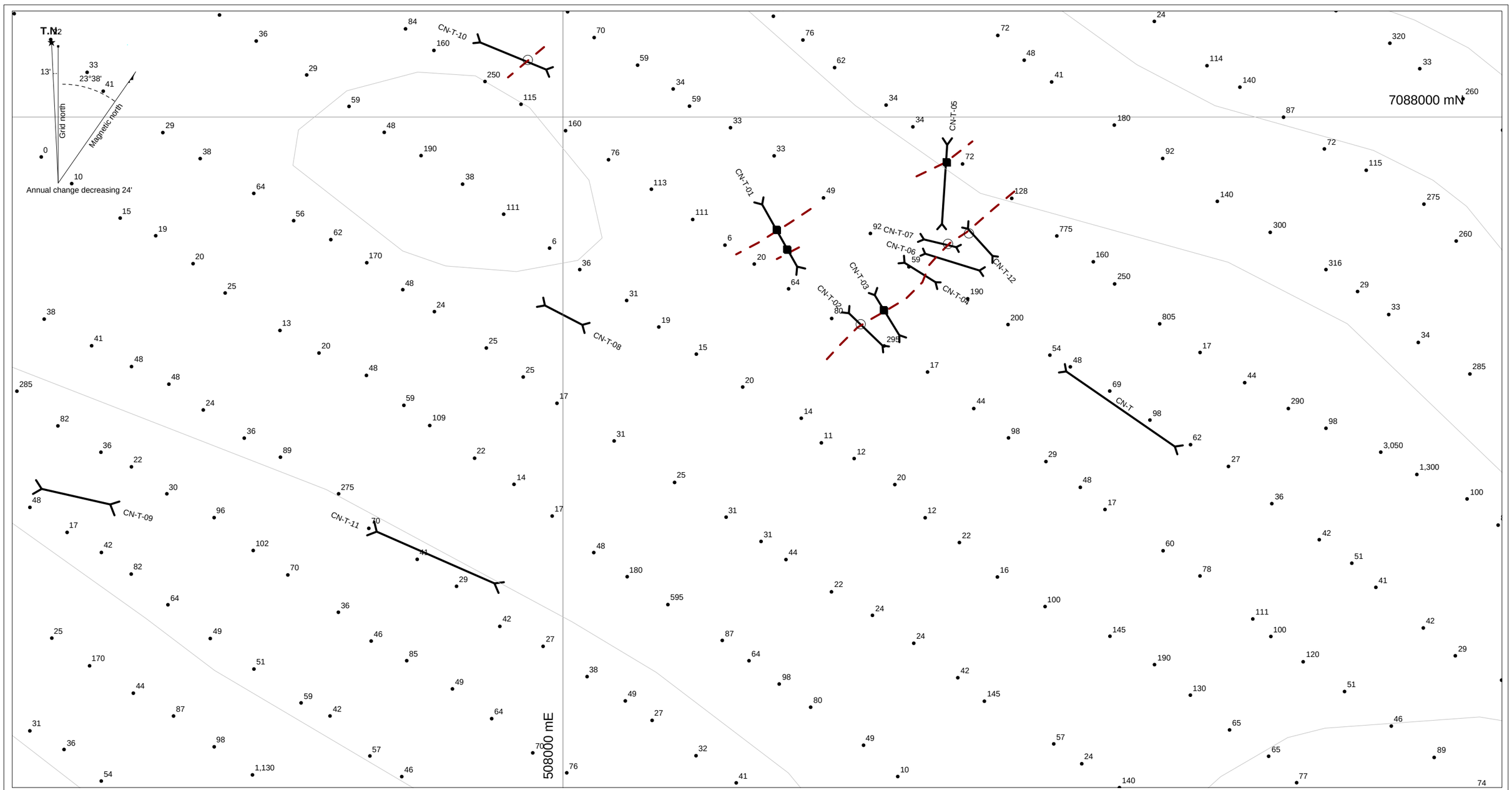
The following paragraphs contain detailed descriptions of the historical vein zones and targets, some of which were explored by excavator trenching during the 2007 program. Rock sample locations from the 2007 program are shown on Figure 14.

The **No. 1 Vein** has been delineated by 32 bulldozer trenches for roughly 200 m along strike but it is inferred to continue for an additional 1000 m based on anomalous historical lead-in-soil geochemistry. The surface trace is marked by a subtle lineament that can be traced intermittently along a talus covered, northwest facing slope. The host rocks are gently northeast dipping orthogneiss of the South Fiftymile Batholith with narrow layers of coarse biotite-muscovite schist. The vein strikes northeast and has a sub-vertical dip.

Mineralization is dominated by pale green and yellow weathering arsenic and antimony sulfosalt bearing quartz. This material is exposed in all trenches excavated across the lineament and ranges in width from 30 cm to 4 m. Four massive galena lenses occur in the core portion of the vein zone along a 125 m strike length as illustrated on Figure 15.

The largest and most continuous of the lenses occurs at the northeast end of the vein exposure which coincides with the historical bulk sample pit. This lens is approximately 67 m long and bifurcates regularly along the core of the vein zone into multiple narrow stringers amongst the quartz dominant sulfosalt mineralization.

Detail sampling was conducted along the 67 m lens and all samples represent mineralization that was not collected as part of the historical bulk sample. The pit from which most of the bulk sample was collected, was filled with water and not accessible during the 2007 program. Table II contains results from the sampling across the No. 1 Vein.




2007 excavator trench

1969 soil sample (with lead in ppm)

Vein trace

Chip sample > 100 g/t silver

Specimen sample > 100 g/t silver

## SELECT TRENCH RESULTS

| TRENCH | MARKER | TYPE | WIDTH | Ag (g/t) | Pb (%) | Au (g/t) |
|---|---|---|---|---|---|---|
| CN-T-01 | 0.00 | chip | 0.37 | 75.9 | 2.64 | 0.34 |
| | 3.60 | chip | 0.32 | 429 | 6.22 | 1.360 |
| | 4.80 | chip | 0.50 | 392 | 5.39 | 0.780 |
| CN-T-02 | - | chip | 1.50 | 325 | 3.17 | 0.170 |
| CN-T-03 | - | specimen | - | 216 | 5.05 | 0.410 |
| CN-T-05 | 9.00 | chip | 0.72 | 134 | 5.75 | 0.35 |
| | 9.72 | chip | 0.83 | 154 | 4.42 | 1.12 |
| | 13.42 | chip | 2.87 | 138 | 2.84 | 0.55 |

| TRENCH | MARKER | TYPE | WIDTH | Ag (g/t) | Pb (%) | Au (g/t) |
|---|---|---|---|---|---|---|
| CN-T-06 | - | specimen | - | 124 | 2.77 | 1.08 |
| CN-T-07 | - | specimen | - | 92.6 | 0.93 | 0.07 |
| CN-T-10 | - | specimen | - | 145 | 2.79 | 0.85 |
| CN-T-12 | - | specimen | - | 242 | 2.68 | 0.70 |

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FIGURE 12

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

## TARGET A TRENCH LOCAITONS

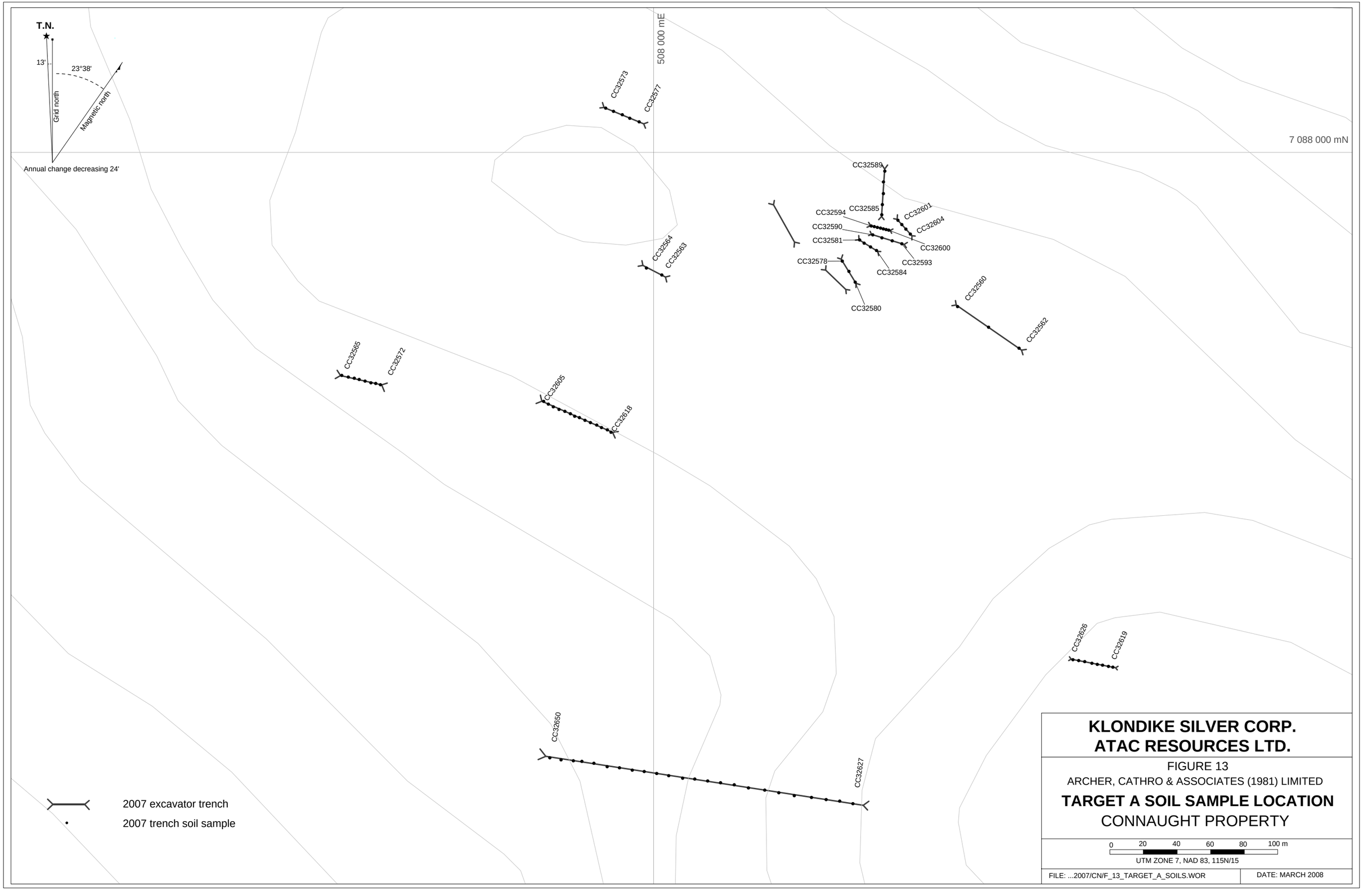
CONNAUGHT PROPERTY

0 20 40 60 80 100 m

UTM ZONE 7, NAD 83, 115N/15

FILE: ...2007/CN/F_12_TARGET_A_COMP.WOR

DATE: MARCH 2008




# KLONDIKE SILVER CORP.
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FIGURE 13

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

## TARGET A SOIL SAMPLE LOCATION

CONNAUGHT PROPERTY

0 20 40 60 80 100 m

UTM ZONE 7, NAD 83, 115N/15

FILE: ...2007/CN/F_13_TARGET_A_SOILS.WOR

DATE: MARCH 2008

507 000 mE
508 000 mE
509 000 mE
510 000 mE
511 000 mE
512 000 mE
7 089 000 mN
7 088 000 mN
7 087 000 mN

C488951-C488959
C491050
C491120-C491124
C488960
C491028-C491049
C491136
C491137
C491135
C491133
C491130
C491134
C491131-C491132
C491128
C491129
C488978-C488983
C488984-C488998
C491119
C491126
C491025-C491027
C491086-C491090
C491094-C491095
C491097
C491085
C491099
C491083-C491084
C491080-C491082
C491098
C491092-C491093
C491096
C491091
C491116-C491118
C488977
C488961-C488966
C488971
C488967-C488970
C488972-C488976
C491113
C491140-C491146
C491147-C491157
C491158-C491161
C491125
C491103-C491105
C491109-C491111
C491138
C491139
C491106-C491108
C491062-C491063
C491114
C491127
C491100
C491102
C491064-C491066
C491067-C491070
C491112
C491115
C491101
C491071-C491079
C491061
C491051-C491052
C491053-C491055
C491056
C491057-C491060
C491565

T.N.
13'
23°38'
Grid north
Magnetic north
Annual change decreasing 24'

Projected and known vein traces
Rock sample (showing sample number)
4 X 4 access road

# KLONDIKE SILVER CORP.
# ATAC RESOURCES LTD.

FIGURE 14

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

## ROCK SAMPLE LOCATION

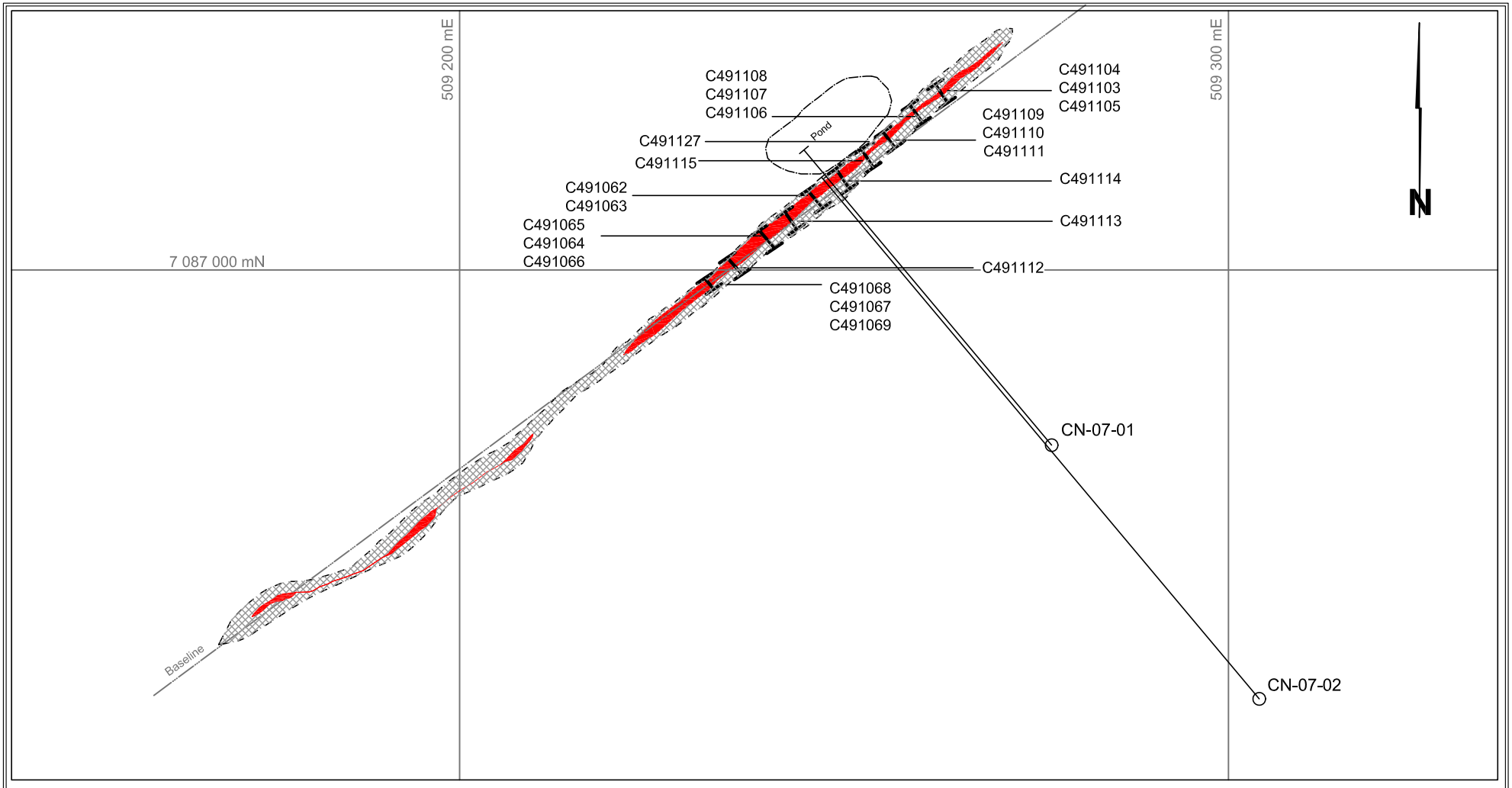
CONNAUGHT PROPERTY

0 20 40 60 80 100 m

UTM ZONE 7, NAD 83, 115N/15

FILE: ...2007/CN/F_14_ROCK_SAMPLES.WOR

DATE: MARCH 2008




Massive galena

Arsenic-antimony sulfosalt bearing quartz

Sample location

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**ATAC RESOURCES LTD.**

FIGURE 15

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# 2007 No. 1 VEIN COMPILATION

CONNAUGHT PROPERTY

0 5 10 25 m

UTM ZONE 7, NAD83, 115N15

FILE: ...2007/CN/F_15-No_1_VEIN.DWG

DATE: MARCH 2008

**Table II: No.1 Vein - Chip Sample Results**

| MARKER (m) | WIDTH (m) | Ag (g/t) | Pb (%) | Au (g/t) |
|---|---|---|---|---|
| 0 | 0.16 | 2410 | 75.71 | 0.071 |
| 0 | 0.16 | 57.10 | 3.31 | 2.04 |
| 0 | 1.00 | 9.30 | 0.547 | 0.047 |
| 0 | 0.45 | 96.60 | 5.59 | 3.74 |
| 0 | 1.00 | 1.70 | 0.072 | 0.009 |
| 0 | 1.00 | 2.90 | 0.208 | 0.032 |
| 2.40 | 0.28 | 96.60 | 3.27 | 1.32 |
| 2.40 | 0.04 | 2550 | 74.62 | 0.142 |
| 4.80 | 0.65 | 394 | 7.64 | 0.279 |
| 4.80 | 1.00 | 3.60 | 0.090 | 0.007 |
| 4.80 | 1.50 | 11.70 | 0.400 | 0.746 |
| 7.20 | 0.29 | 18.80 | 0.258 | 2.62 |
| 25.00 | 1.20 | 4.60 | 0.212 | 0.026 |
| 25.00 | 0.30 | 86.50 | 11.60 | 4.93 |
| 25.00 | 1.10 | 2.10 | 0.563 | 0.010 |
| 31.50 | 1.03 | 6.50 | 0.137 | 0.142 |
| 37.00 | 0.35 | 9.90 | 0.249 | 0.041 |
| 37.00 | 0.30 | 1685 | 58.26 | 0.651 |
| 37.00 | 0.45 | 207 | 5.00 | 3.41 |
| 41.00 | 0.83 | 38.70 | 0.924 | 0.224 |
| 45.00 | 0.21 | 205 | 18.15 | 9.71 |
| 45.00 | 1.30 | 36.50 | 0.935 | 0.041 |
| 49.50 | 0.80 | 605 | 16.75 | 10.9 |
| 53.50 | 0.80 | 374 | 17.40 | 1.115 |
| 55.00 | 0.22 | 1620 | 47.78 | 3.37 |
| 57.00 | 0.25 | 499 | 22.68 | 5.09 |
| 57.00 | 0.10 | 199 | 1.350 | 5.93 |
| 57.00 | 1.70 | 20.70 | 0.122 | 0.095 |
| 62.50 | 1.30 | 60.30 | 2.750 | 1.915 |
| 62.50 | 0.20 | 2130 | 64.72 | 0.099 |
| 62.50 | 0.70 | 736 | 25.28 | 2.03 |
| 67.00 | 1.10 | 63.90 | 0.922 | 0.481 |
| 67.00 | 0.75 | 18.90 | 1.360 | 0.153 |
| 67.00 | 3.00 | 4.40 | 0.150 | 0.008 |
| 67.00 | 1.00 | 0.50 | 0.015 | 0.0025 |

Two excavator trenches located 55 m northeast along strike of the main lens encountered the associated structural zone consisting of manganiferous clay gouge and crushed quartz with no galena or sulfosalt mineralization. Samples of this material yielded up to 51.90 g/t silver, 0.78 % lead, 0.016 g/t gold.

The **No. 2 Vein** has been exposed for a strike length of about 90 m along a 030° trend. It exhibits steep southerly dips averaging 76°. Vein composition is similar to the No. 1 Vein but it has a strongly bleached alteration halo that extends up to six metres into the footwall. No excavator trenching was done across this vein in 2007. Select historical samples documented by Harris, 1998, appear on Table III.

**Table III: No. 2 Vein - Select Results**

| Year | Sample Type | Width (m) | Ag (g/t) | Pb % | Au (g/t) |
|---|---|---|---|---|---|
| 1998 | Chip | 0.50 | 93.0 | 2.44 | 1.50 |
| | Specimen | n/a | 13.8 | 0.19 | 3.23 |
| | Specimen | n/a | 2150.0 | 67.20 | n/a |
| | Chip | 0.68 | 1365.0 | 35.60 | 0.74 |
| | Specimen | n/a | 576.0 | n/a | 3.59 |

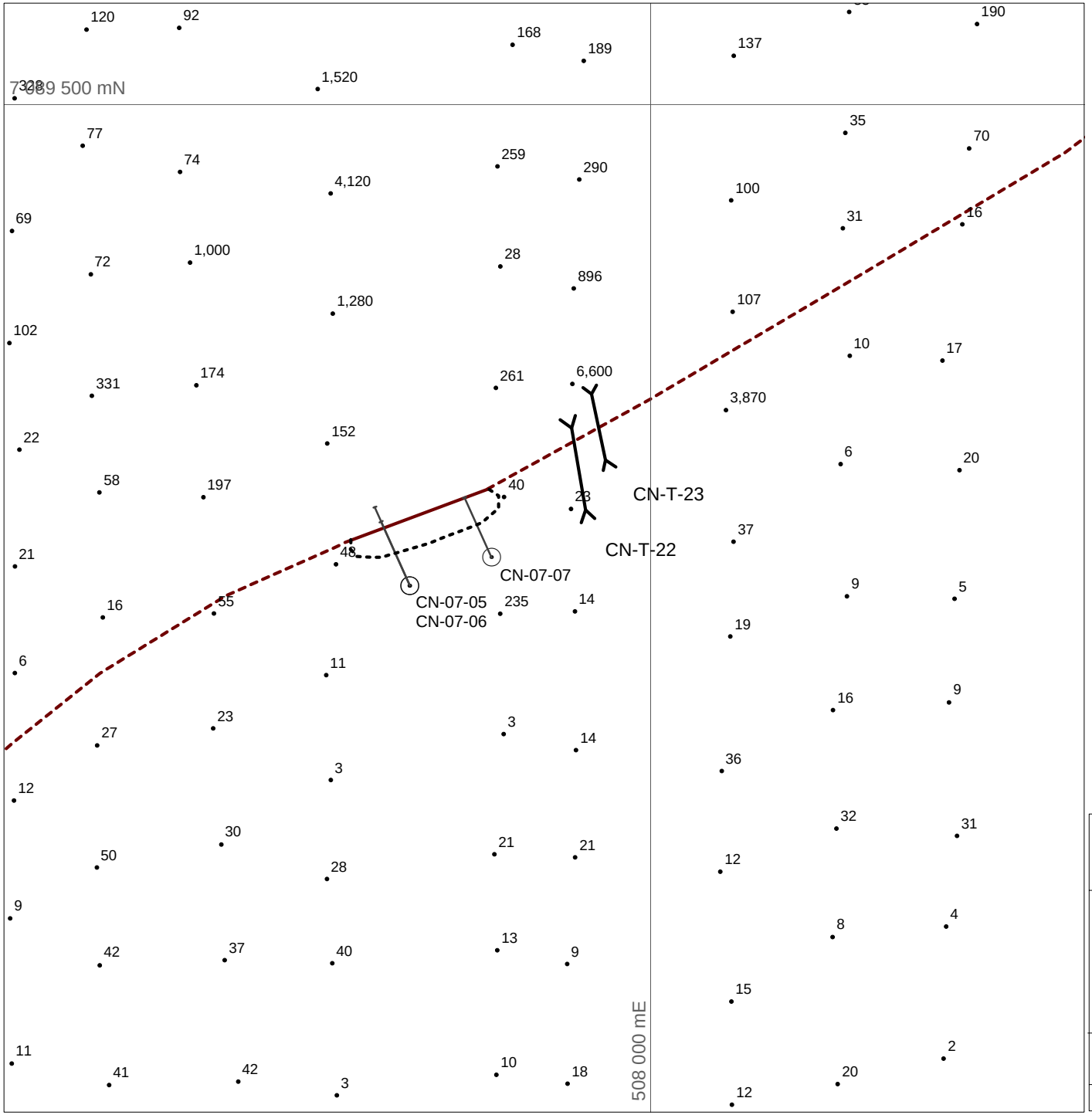
The **No. 3 Vein** has been outlined by trenching for roughly 100 m along a 067° trend with steep southerly dips between 70 and 79° (Figure 16). The best mineralization is exposed at surface along a 10 m strike length where mineralization consists of massive galena with subordinate arsenopyrite and pyrite plus traces of covellite in a multi-episodic quartz-sericite gangue. This portion of the structure was the focus of most historical surface work. In 2007, the base of the historical bulk sample pit was cleared of slough and debris exposing a five metre long massive anglesite and galena lens up to 1.25 m wide. The mineralization is hosted within highly fractured, bleached and rusty weathering quartzite and quartz-muscovite schist currently interpreted as Klondike Schist Assemblage.

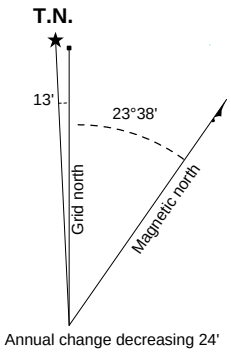
As observed at the No. 1 Vein, narrow galena-rich veinlets and stringers appear to bifurcate from the main lens into the footwall strata. Only minor concentrations of sulfosalt mineralization are observed in the quartz rich wallrocks at the No. 3 Vein. Four sawn channel samples were spaced evenly along the thickest portion of the five metre exposure (Figure 17). The results for these samples are shown on Table IV.

**Table IV: No. 3 Vein - Sawn Channel Sample Results**

| MARKER (m) | WIDTH (m) | Ag (g/t) | Pb (%) | Au (g/t) |
|---|---|---|---|---|
| 0 | 0.60 | 360 | 6.40 | 3.54 |
| 0 | 0.14 | 2030 | 42.49 | 0.694 |
| 0 | 0.50 | 80.00 | 1.96 | 0.122 |
| 0 | 0.40 | 2880 | 54.89 | 0.773 |
| 1.70 | 1.25 | 2450 | 48.81 | 0.873 |
| 3.40 | 0.85 | 281 | 5.34 | 0.829 |
| 3.40 | 0.75 | 2030 | 44.71 | 0.728 |
| 5.00 | 0.75 | 643 | 1.33 | 1.335 |
| 5.00 | 0.70 | 1100 | 35.65 | 1.695 |

Prospecting approximately 90 m northeast along strike to the of the bulk sample pit discovered massive galena/anglesite and quartz sulfosalt mineralized float along side two old bulldozer




Soil sample (lead in ppm)

2007 excavator trench

Diamond drill hole

Vein trace (defined/inferred)

Historical bulk sample pit

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FIGURE 16

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

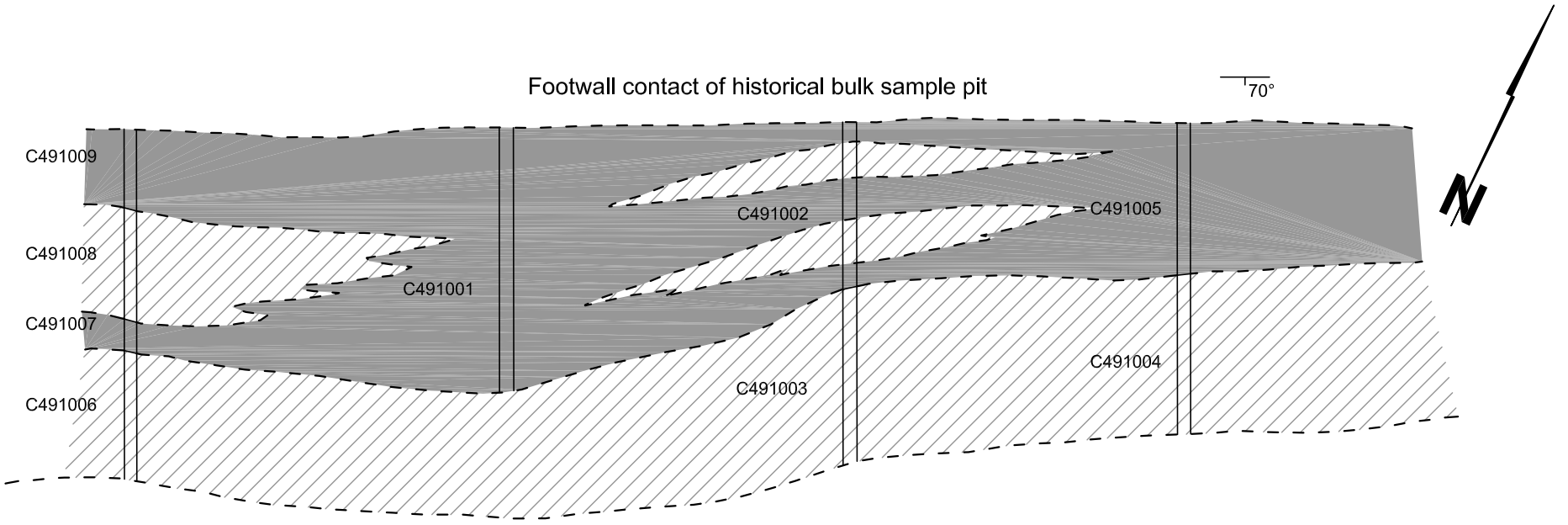
## 2007 NO. 3 VEIN COMPILATION
CONNAUGHT PROPERTY

0 25 50 100 150 m

UTM ZONE 7, NAD 83, 115N/15

FILE: ...2007/CN/F_16-No_3_VEIN.WOR

DATE: MARCH 2008




Massive galena-anglesite

Quartz rich shear with minor galena-anglesite

| SAMPLE | MARKER (m) | WIDTH (m) | Ag (g/t) | Pb (%) | Au (g/t) |
|---|---|---|---|---|---|
| C491006 | 0.0 | 0.60 | 360 | 6.40 | 3.54 |
| C491007 | | 0.14 | 2030 | 42.49 | 0.69 |
| C491008 | | 0.50 | 80 | 1.96 | 0.12 |
| C491009 | | 0.40 | 2880 | 54.89 | 0.77 |
| C491001 | 1.7 | 1.25 | 2450 | 48.81 | 0.87 |
| C491002 | 3.4 | 0.85 | 281 | 5.34 | 0.83 |
| C491003 | | 0.75 | 2030 | 44.71 | 0.73 |
| C491004 | 5.0 | 0.75 | 643 | 1.33 | 1.34 |
| C491005 | | 0.70 | 1100 | 35.65 | 1.70 |

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FIGURE 17

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# NO. 3 VEIN CHANNEL SAMPLES

CONNAUGHT PROPERTY

0 0.5 1.0 1.5 2.0 2.5 m

FILE: ...2007/CN/F17-NO_3_VEIN_CHANNEL.DWG

DATE: MARCH 2008

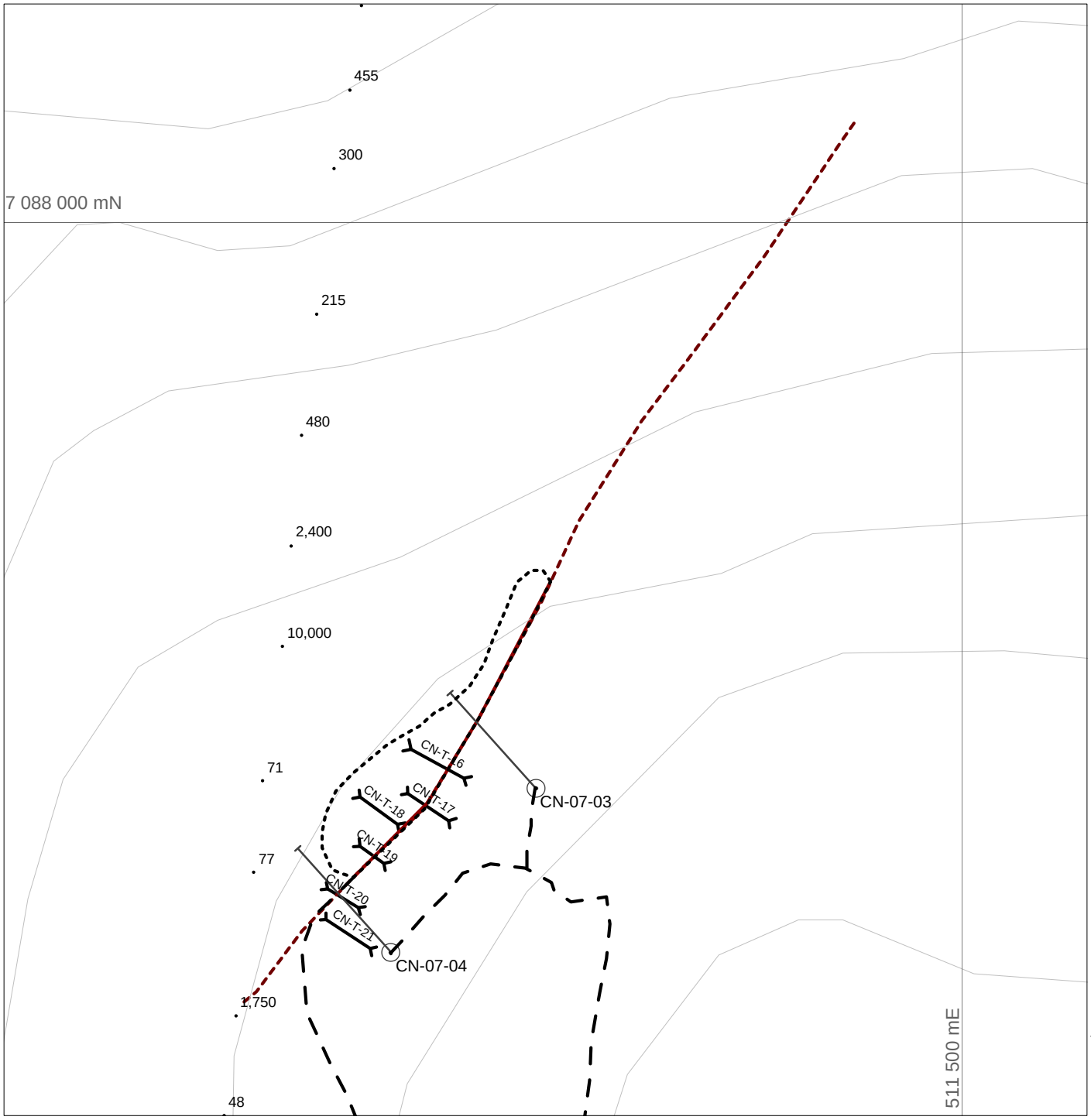
trenches. Excavator trenches were located in 2007 to source the mineralization and encountered broad intervals of multi-coloured gouge. Chip samples collected along the base of the trenches, however, returned low values for silver, lead and gold. This alteration may mark the location of the thrust fault between the Klondike Schist and the underlying Nasina Assemblage.

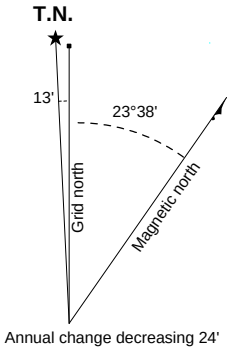
The **No. 4 Vein** lies approximately 2 km northeast of the No. 1 Vein and is exposed for 260 m along the northwestern edge of an alpine knoll. It is hosted by tuffaceous quartz-feldspar schist along a 035° trend and exhibits steep southerly dips averaging 77°. The vein zone dominantly consists of multi-episodic quartz that is variably mineralized with arsenic-antimony sulfosalts and which is surrounded by strong clay alteration. In 1969, operators reported an "average assay" of 615.8 g/t Ag and 8.32 % Pb across1.22 m for a series of chip samples collected along the northeastern most, 114 m portion of the exposure. These samples include peak grades of 2451 g/t Ag and 34.90% Pb across 0.73 m. In 1988, diamond drilling was done in eight holes at the southwestern end of the exposure with the best reported interval grading 534.8 g/t silver and 2.15 % lead across 2.29 m.

Five short excavator trenches were cut in 2007 at equal intervals along an 80 m section at the southwestern end of the vein zone (Figure 18). Three of the trenches tested the footwall portion of the previously defined structure, which was mostly covered by talus, and the other two intended to explore the projected trace of the vein to the southwest. The three trenches dug into the footwall of the vein zone discovered new mineralization in a splay off the main structure. The two southern most trenches did not encounter bedrock due to permafrost. Results of the channel sampling across the trench exposures are shown in Table V.

**Table V: No. 4 Vein - Trench Sample Results**

| MARKER (m) | WIDTH (m) | Ag (g/t) | Pb (%) | Au (g/t) |
|---|---|---|---|---|
| **CN-T-16** | | | | |
| 0 | 1.20 | 4.70 | 0.399 | 0.0025 |
| 1.20 | 1.00 | 76.80 | 1.28 | 0.404 |
| 2.20 | 0.35 | 1180 | 26.43 | 1.74 |
| 2.55 | 3.40 | 5.30 | 0.094 | 0.006 |
| 4.95 | 3.50 | 42.20 | 0.962 | 0.050 |
| 8.45 | 3.00 | 3.30 | 0.101 | 0.007 |
| 11.45 | 3.00 | 4.90 | 0.091 | 0.010 |
| 11.45 | 1.00 | 1.60 | 0.020 | 0.0025 |
| **CN-T-17** | | | | |
| 0 | 0.10 | 1860 | 38.67 | 1.345 |
| 0 | 1.15 | 1080 | 23.07 | 0.975 |
| 0 | 0.20 | 2880 | 51.40 | 0.974 |
| 1.00 | 0.15 | 2770 | 46.85 | 0.146 |
| 1.00 | 0.85 | 606 | 13.55 | 0.563 |
| 1.00 | 0.30 | 1985 | 44.01 | 0.487 |
| 2.60 | 0.18 | 1750 | 34.17 | 0.819 |
| 2.60 | 0.22 | 2160 | 40.08 | 0.93 |
| 2.60 | 0.70 | 501 | 12.55 | 0.521 |
| 4.50 | 0.30 | 1890 | 35.82 | 2.36 |




Soil sample (lead in ppm)

2007 excavator trench

Diamond drill hole

Vein trace (defined/inferred)

Access road

Area of previous stripping

# KLONDIKE SILVER CORP.
# ATAC RESOURCES LTD.

FIGURE 18

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

## 2007 NO. 4 VEIN COMPILATION

CONNAUGHT PROPERTY

0 25 50 100 150 m

UTM ZONE 7, NAD 83, 115N/15

FILE: ...2007/CN/F_18-No_4_VEIN.WOR

DATE: MARCH 2008

| | | | | |
|---|---|---|---|---|
| 4.50 | 0.82 | 158 | 5.61 | 0.175 |
| **CN-T-18** | | | | |
| 0 | 0.80 | 1565 | 37.59 | 0.0025 |
| 0.80 | 1.50 | 1880 | 28.09 | 0.0025 |
| 2.30 | 1.50 | 37.70 | 0.45 | 0.012 |
| 3.80 | 1.50 | 11.60 | 0.21 | 0.005 |
| 3.80 | 1.00 | 1.50 | 0.02 | 0.0025 |

The No. 7 Vein and the newly discovered Stirling Vein are located approximately 3 km west of the No. 4 Vein. Bulldozer trenching had previously been done in these areas but no significant mineralization was reported.

The **No. 7 Vein** was exposed by extending an old bulldozer trench where massive galena cobbles were found within the lower part of the soil profile. A vein zone that is likely the source of the galena cobbles was exposed in two excavator trenches situated approximately 120 m apart. The host stratigraphy consists of flat lying quartz-feldspar augen gneiss. Alteration envelopes immediately adjacent to the vein zones are narrow, not exceeding 0.5 m on either side of the main structure.

The northern trench (TR-07-27) exposed a quartz vein with arsenic-antimony sulfosalt mineralization and massive galena lenses up to 55 cm wide along a strike length of roughly 23 m. The vein zone is hosted within competent orthogneiss and trends between 020° and 45° with a steep dip to the west at 80°. The northernmost galena lens is open along strike to the northeast where it projects beneath an access road. Approximately 2 tonnes of massive galena was recovered during the exploration of this lens. Results for all samples collected along the mineralized trend within TR-07-27 are shown in Table VI.

**Table VI: No. 7 Vein - Chip Sample Results**

| MARKER (m) | WIDTH (m) | Ag (g/t) | Pb (%) | Au (g/t) |
|---|---|---|---|---|
| **BENCH 1** | | | | |
| 0.00 | 0.60 | 7.70 | 0.380 | 0.005 |
| 0.00 | 0.56 | 443 | 9.580 | 0.453 |
| 0.00 | 1.00 | 7.80 | 0.200 | 0.006 |
| 4.00 | 0.80 | 5.00 | 0.395 | 0.005 |
| 4.00 | 0.30 | 8.20 | 2.770 | 0.027 |
| 4.00 | 0.26 | 2830 | 62.650 | 0.300 |
| 4.00 | 0.27 | 38.10 | 25.620 | 2.640 |
| 4.00 | 0.43 | 15.60 | 1.680 | 0.230 |
| **BENCH 2** | | | | |
| 12.00 | 0.11 | 3100 | 61.450 | 0.348 |
| 12.00 | 0.20 | 38.10 | 8.290 | 0.023 |
| 15.00 | 0.10 | 3060 | 74.750 | 0.127 |
| **BENCH 3** | | | | |
| 21.00 | 0.25 | 88.60 | 4.240 | 1.655 |
| 21.00 | 0.55 | 2750 | 70.710 | 0.293 |
| 23.00 | 0.45 | 3430 | 73.460 | 0.726 |

Another vein was exposed 10 m east of the No.7 Vein and consists of a 50 cm quartz shear with yellow-brown antimony-limonite bands. The vein strikes 060° and dips moderately to the southeast at 58°. A chip sample collected across the quartz shear returned 128 g/t silver, 2.76 % lead and 0.27 g/t gold. Samples of the adjacent selvage material returned low values for these metals.

TR-07-29, located 120 m southwest of TR-07-27, exposed a vein zone dominantly composed of quartz with arsenic-antimony sulfosalt mineralization. A chip sample across this exposure yielded 479 g/t Ag, 8.81 % Pb and 1.51 g/t Au across 0.56 m.

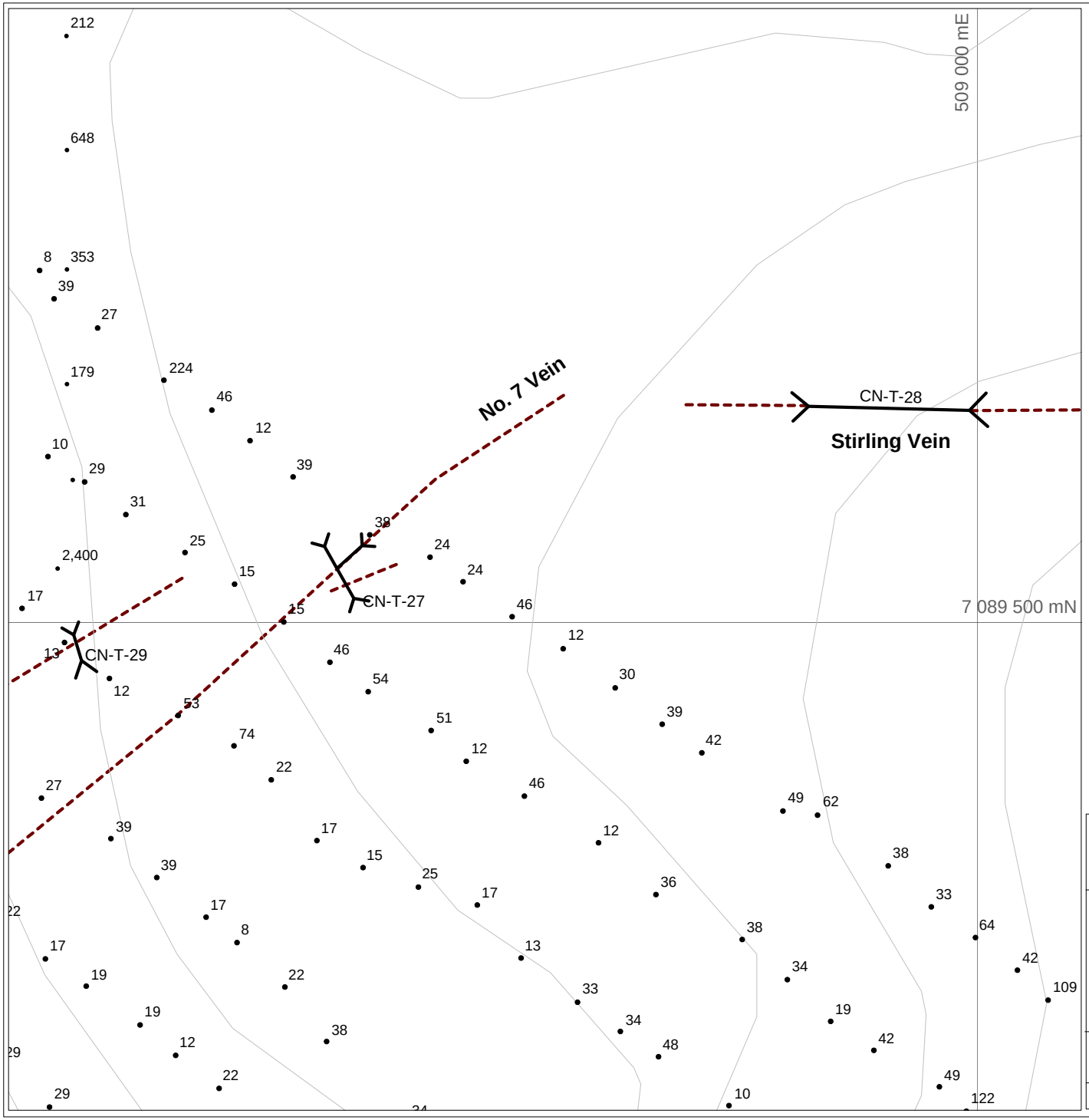
The **Stirling Vein** is a new discovery made by deepening an old bulldozer trench (CN-T-28) situated approximately 400 m northeast of the No. 7 Vein (Figure 19). It is characterized by a strong arsenic-antimony sulfosalt-bearing quartz vein, again with intermittent massive galena lenses up to 47 cm wide. The vein was exposed for a strike length of 22 m and is hosted within tuffaceous quartz feldspar biotite-muscovite schist. It trends 094° with a steep southerly dip of 70° and is open along strike (Figure 20). Table VII contains results for samples collected across the vein at various points along the mineralized trend. Table VIII contains weighted average grades where multiple samples were collected across an exposure.

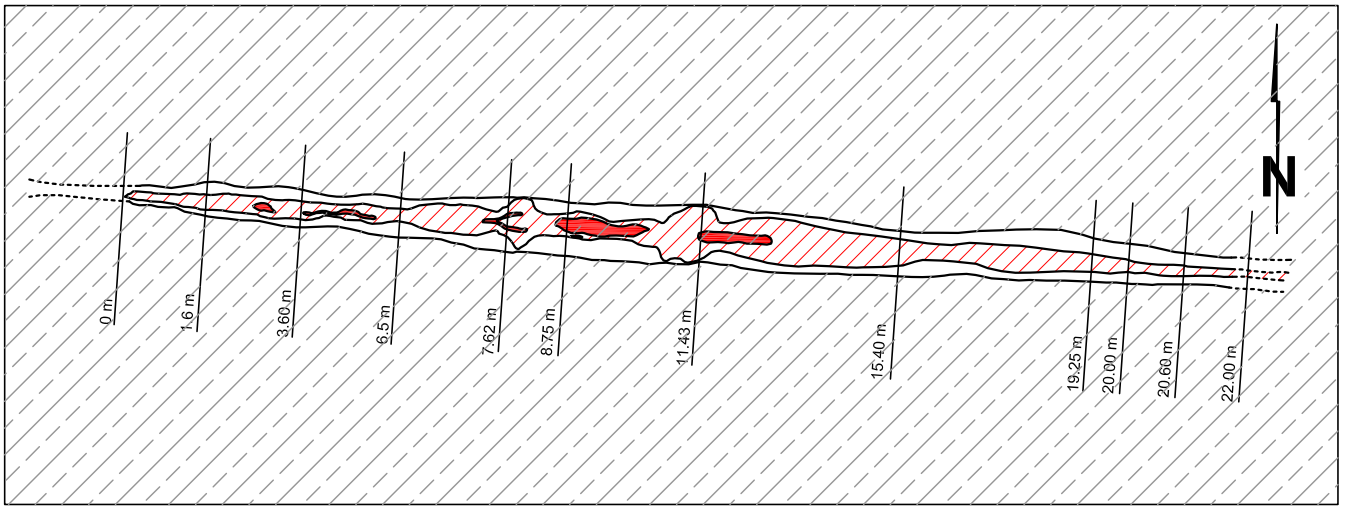
**Table VII: Stirling Vein - Chip Sample Results**

| MARKER (m) | WIDTH (m) | Ag (g/t) | Pb (%) | Au (g/t) |
|---|---|---|---|---|
| 1.60 | 0.22 | 500 | 10.05 | 1.225 |
| 3.60 | 0.26 | 317 | 9.00 | 0.998 |
| 6.50 | 0.59 | 821 | 19.45 | 1.505 |
| 7.62 | 0.19 | 1790 | 49.38 | 1.12 |
| 7.62 | 0.35 | 2240 | 49.56 | 0.28 |
| 7.62 | 0.12 | 2110 | 61.62 | 0.79 |
| 7.62 | 0.10 | 524 | 16.30 | 0.895 |
| 8.75 | 0.47 | 2660 | 64.54 | 0.665 |
| 8.75 | 0.19 | 656 | 19.26 | 5.23 |
| 11.43 | 0.26 | 216 | 4.93 | 0.52 |
| 11.43 | 0.16 | 3190 | 67.53 | 0.338 |
| 11.43 | 0.21 | 376 | 16.60 | 1.50 |
| 15.40 | 0.21 | 67.20 | 1.52 | 0.265 |
| 19.25 | 0.43 | 361 | 6.07 | 5.81 |
| 20.60 | 0.32 | 513 | 12.90 | 3.67 |

**Table VIII: Stirling Vein - Weighted Average Grades**

| From (Length m) | Width (m) * | Ag (g/t) | Pb (%) | Au (g/t) |
|---|---|---|---|---|
| 0.0 | 0.22 | 500 | 10.05 | 1.23 |
| 6.50 | 0.59 | 821 | 19.45 | 1.51 |
| 7.62 | 0.76 | 1895 | 47.47 | 0.67 |
| Including | 0.35 | 2240 | 49.56 | 0.28 |
| 8.75 | 0.66 | 2083 | 51.50 | 1.99 |


509 000 mE
7 089 500 mN
No. 7 Vein
CN-T-28
Stirling Vein
CN-T-27
CN-T-29
212
648
8
353
39
27
179
224
46
12
10
29
39
31
2,400
25
15
38
24
24
17
15
46
13
12
46
54
53
51
74
12
22
27
46
39
17
12
15
25
39
17
36
17
8
38
13
17
19
22
33
19
34
38
12
48
22
29
10
122
49
42
19
42
34
64
33
38
12
49
62
46
12
30
39
42
T.N.
13'
23°38'
Grid north
Magnetic north
Annual change decreasing 24'
Soil sample (lead in ppm)
2007 excavator trench
Vein trace (defined/inferred)
KLONDIKE SILVER CORP.
ATAC RESOURCES LTD.
FIGURE 19
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
2007 NO. 7 AND STIRLING VEIN
TRENCH LOCATION
CONNAUGHT PROPERTY
0 25 50 100 150 m
UTM ZONE 7, NAD 83, 115N/15
FILE: ...2007/CN/F_19-STIRLING_VEIN.WOR
DATE: MARCH 2008




| SAMPLE | MARKER (m) | WIDTH (m) | Ag (g/t) | Pb (%) | Au (g/t) |
|---|---|---|---|---|---|
| C488984 | 1.60 | 0.22 | 500 | 10.05 | 1.225 |
| C488985 | 3.60 | 0.26 | 317 | 9.00 | 0.998 |
| C488986 | 6.50 | 0.59 | 821 | 19.45 | 1.505 |
| C488987 | 7.62 | 0.19 | 1790 | 49.38 | 1.120 |
| C488988 | 7.62 | 0.35 | 2240 | 49.56 | 0.280 |
| C488989 | 7.62 | 0.12 | 2110 | 61.62 | 0.790 |
| C488990 | 7.62 | 0.10 | 524 | 16.30 | 0.895 |
| C488991 | 8.75 | 0.47 | 2660 | 64.54 | 0.665 |
| C488992 | 8.75 | 0.19 | 656 | 19.26 | 5.230 |
| C488993 | 11.43 | 0.26 | 216 | 4.93 | 0.520 |
| C488994 | 11.43 | 0.16 | 3190 | 67.53 | 0.338 |
| C488995 | 11.43 | 0.21 | 376 | 16.60 | 1.500 |
| C488996 | 15.40 | 0.21 | 67.20 | 1.52 | 0.265 |
| C488997 | 19.25 | 0.43 | 361 | 6.07 | 5.810 |
| C488998 | 20.60 | 0.32 | 513 | 12.90 | 3.670 |

Massive galena

Dark gray-white multi-episodal quartz with orange alteration, stringers and weak to moderate scorodite-antimony sulfosalts

Weakly clay altered, oxidized, fractured gneiss with pockets of massive soil galena

Nasina Assemblage: tuffaceous quartz feldspar biotite-muscovite schist

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FIGURE 20

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# STIRLING VEIN COMPILATION

CONNAUGHT PROPERTY

0 2 4 6 8 10 m

FILE: ...2007/CN/F20-STIRLING.DWG

DATE: MARCH 2008

| | | | | |
|---|---|---|---|---|
| Including | 0.47 | 2660 | 64.54 | 0.67 |
| | 0.19 | 656 | 19.26 | 5.23 |
| 11.43 | 0.63 | 1025 | 24.71 | 0.80 |
| Including | 0.16 | 3190 | 67.53 | 0.34 |
| 19.25 | 0.43 | 361 | 6.07 | 5.81 |
| 20.60 | 0.32 | 513 | 12.90 | 3.67 |

* All reported intervals are true widths.

The **Core Shack** trenches were dug in an area where previous bulldozer trenches exposed a number of quartz sulfosalt bearing veins associated with historical lead-in-soil geochemical anomalies between the No. 1 and No. 2 Veins. The 2007 excavator trenches encountered a quartz vein up to 1.30 m wide (Figure 21), variably mineralized with yellow-green weathering arsenic-antimony sulfosalts and minor coarse cubic galena. Chip samples collected across the vein zone returned peak values of 1230 g/t silver, 15.0 % lead and 1.96 g/t gold. Significant results for samples collected across the mineralized zone are contained in Table IX.

**Table IX: Significant Results - Core Shack Trenches**

| TRENCH | MARKER (m) | WIDTH (m) | Ag (g/t) | Pb (%) | Au (g/t) |
|---|---|---|---|---|---|
| CNT-T-24 | 18.30 | 0.40 | 106.0 | 2.71 | 1.46 |
| | 20.60 | 0.30 | 120.0 | 2.37 | 1.54 |
| CNT-T-25 | 14.80 | 0.23 | 150.0 | 0.65 | 1.46 |
| CNT-T-26 | 25.00 | 1.30 | 44.0 | 2.00 | 0.18 |
| | 31.70 | 0.29 | 1230 | 15.00 | 1.96 |

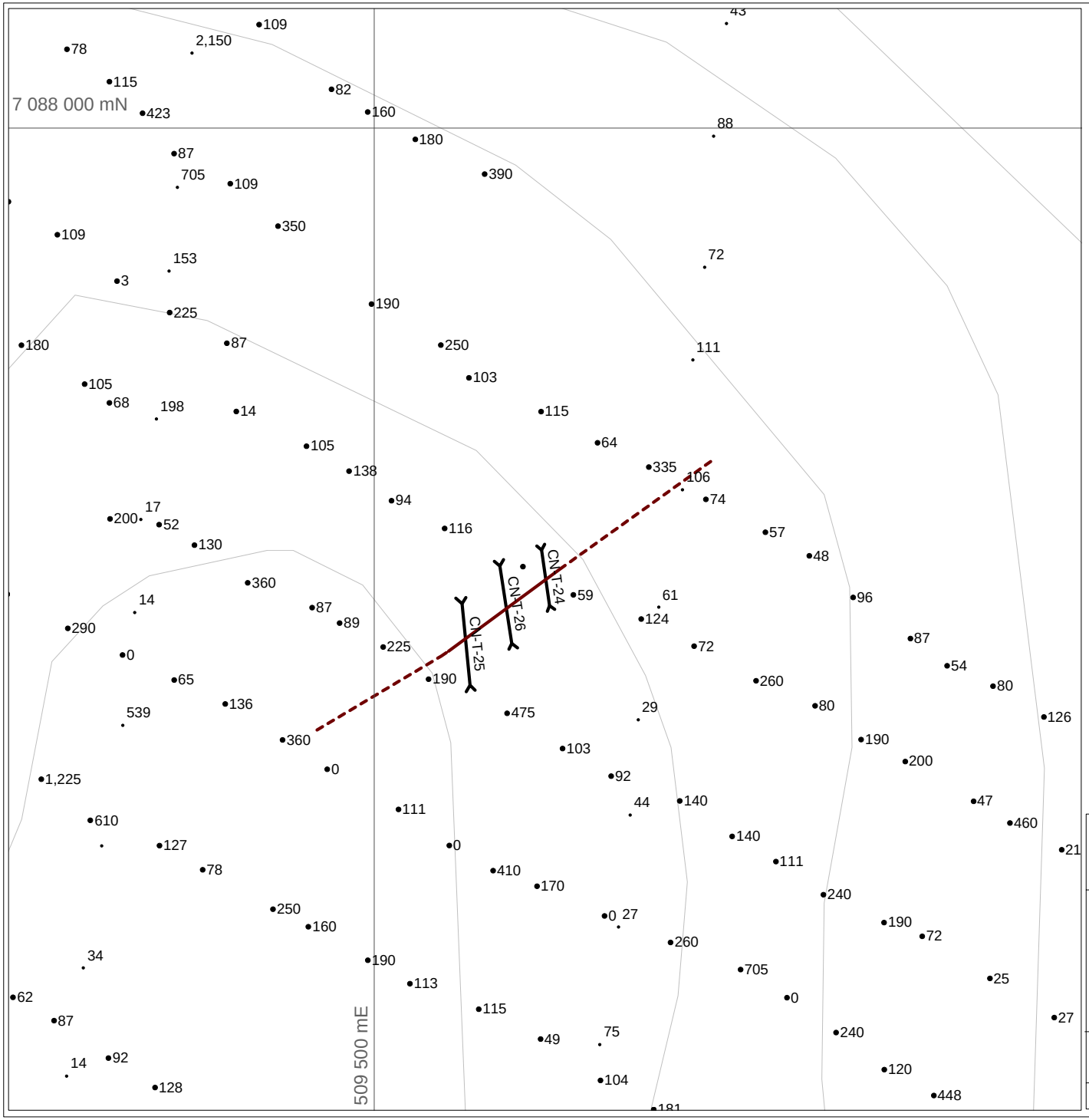
The **No. 8 Vein** is situated in the eastern part of the property, roughly 7 km east of the No. 4 Vein. It is similar to the veins exposed in the western part of the CN property and has reported historical grades for galena-dominant samples collected intermittently along a 275 m strike length ranging from 723 g/t to 5498 g/t silver with lead values up to 84.65%. No work was conducted in this part of the property in 2007 but results for samples collected in 1988 along the No. 8 Vein are reported in Table X.

**Table X: No. 8 Vein- Historical Results**

| Length along vein (m) | Ag (g/t) | Pb (%) |
|---|---|---|
| 0 | 1965 | 64.00 |
| 25 | 2500 | 72.30 |
| 112 | 1632 | 75.00 |
| 130 | 5498 | 78.76 |
| 143 | 1901 | 84.65 |
| 275 | 723 | 22.30 |

## Diamond Drilling

Diamond drilling was conducted at the CN property between August 17 and 26, 2007 and was contracted to Beaudoin Diamond Drilling Ltd. of Courtenay, British Columbia. The work was




T.N.

13°

23°38'

Grid north

Magnetic north

Annual change decreasing 24'

Soil sample (lead in ppm)

2007 excavator trench

Vein trace (defined/inferred)

# KLONDIKE SILVER CORP.
# ATAC RESOURCES LTD.

FIGURE 21

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

## 2007 CORE SHACK TRENCH LOCATIONS

CONNAUGHT PROPERTY

0 25 50 100 150 m

UTM ZONE 7, NAD 83, 115N/15

FILE: ...2007/CN/F_21-CORE_SHACK.WOR

DATE: MARCH 2008

done with a skid mounted, diesel powered JKS Super-300 diamond drill using BTW equipment. All drill moves were performed using a D7 Cat owned and operated by 15317 Yukon Ltd. of Whitehorse, Yukon. Seven holes tested three of the known vein targets for a total of 556 m. Drill collar locations are shown on Figure 22.

Core was transported from the drill sites to a central core shack by truck where it was geotechnically and geologically logged. Geochemical and drill logs appear in Appendix IV. Mineralized intervals were split with one half returned to the box and the other half put into plastic bags each containing a unique pre-numbered sample tag. The samples were shipped to ALS Chemex in North Vancouver and analyzed by the same procedure as the rock samples. Certificates of Analysis are contained in Appendix II. The core boxes were stacked at the core shack and secured for final core storage. Drill data is contained in Table XI.

**Table: XI: 2007 Drill Data**

| Hole No. | Easting (m) | Northing (m) | Azimuth (°) | Angle (°) | Depth (m) |
|---|---|---|---|---|---|
| CN-07-01 | 509277 | 7086977 | 320 | 55 | 87.40 |
| CN-07-02 | 509304 | 7086944 | 320 | 50 | 137.80 |
| CN-07-03 | 511318 | 7087758 | 310 | 50 | 84.12 |
| CN-07-04 | 511256 | 7087688 | 310 | 50 | 91.40 |
| CN-07-05 | 507897 | 7089294 | 340 | 45 | 51.80 |
| CN-07-06 | 507897 | 7089294 | 340 | 62 | 64.00 |
| CN-07-07 | 507932 | 7089306 | 340 | 45 | 40.20 |

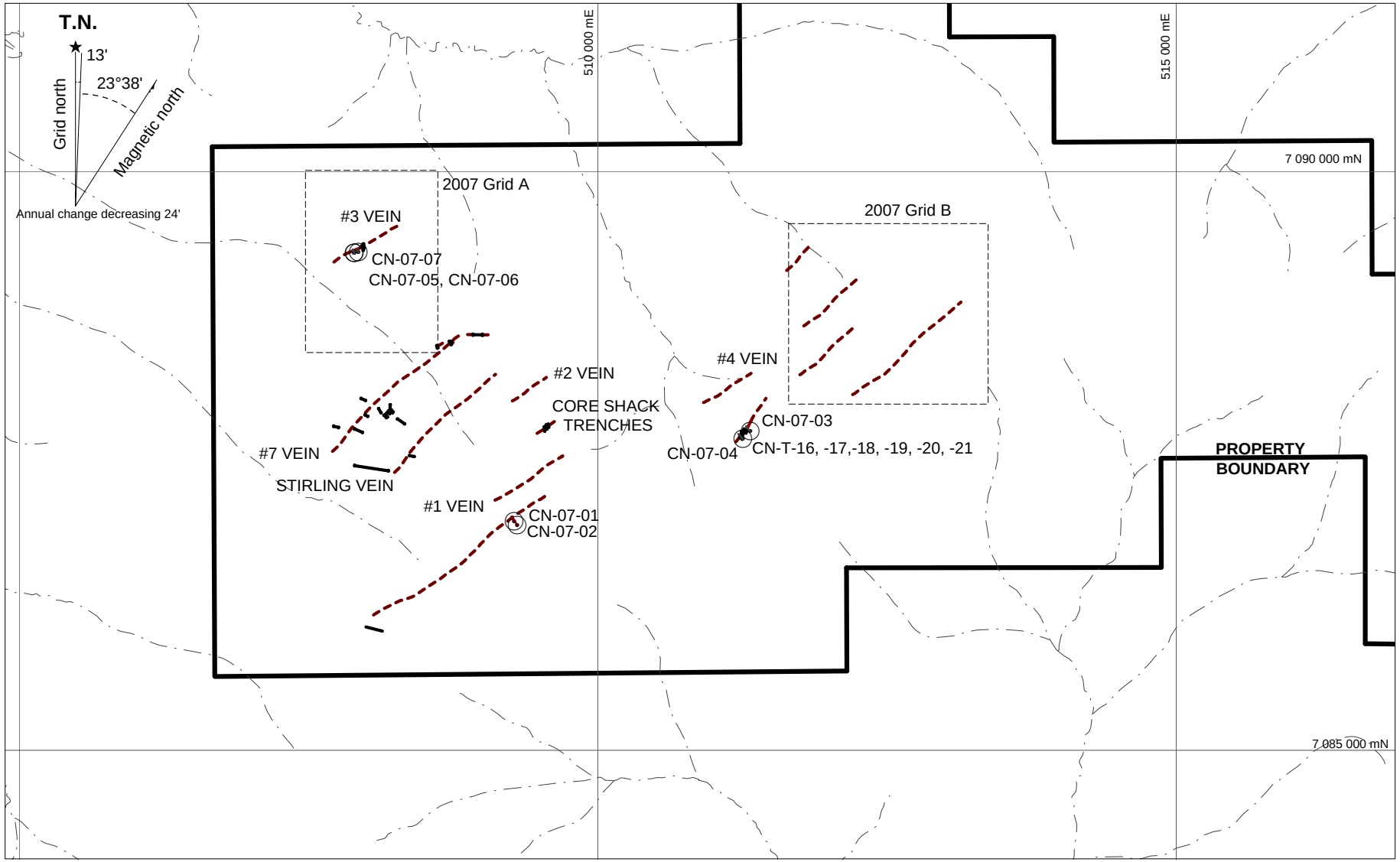
*Drill Results - No. 1 Vein*

Two diamond drill holes totalling 225 m tested beneath the historical bulk sample pit where the main massive galena lens is exposed. Both holes intersected quartz vein material at the anticipated piercement depths of 43 and 82 m (Figure 23).

The dominant lithology encountered in both holes is grey weathering well foliated quartz augen orthogneiss and mica schist of the South Fiftymile Batholith. The piercement points of the weakly mineralized quartz vein material are consistent with a steep southeasterly dipping structure.

The vein material encountered in CN-07-01 consists of rusty brown to pale green scorodite weathering white quartz, weakly mineralized with disseminated pyrite, arsenopyrite and an unidentified dull black mineral. Two consecutive samples from this zone returned 30.0 g/t silver, 0.48 % lead, and 0.67 g/t gold over 1.22 m and the other returned 24.8 g/t silver and 0.12% lead, 2.43 g/t gold over 0.56 m. The latter sample contains bands of massive and semi-massive pyrite and arsenopyrite up to 5 cm wide.

CN-07-02 intersected vein material at 118.35 m down hole. The main alteration zone is 1.74 m wide and consists of white quartz and clay gouge with pale to bright yellow-green scorodite alteration. Minor remnant pyrite and arsenopyrite occur as disseminations and blebs. Samples of vein material returned only weakly elevated values for silver, lead and gold to peaks of




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FIGURE 22

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# DRILL HOLE LOCATION

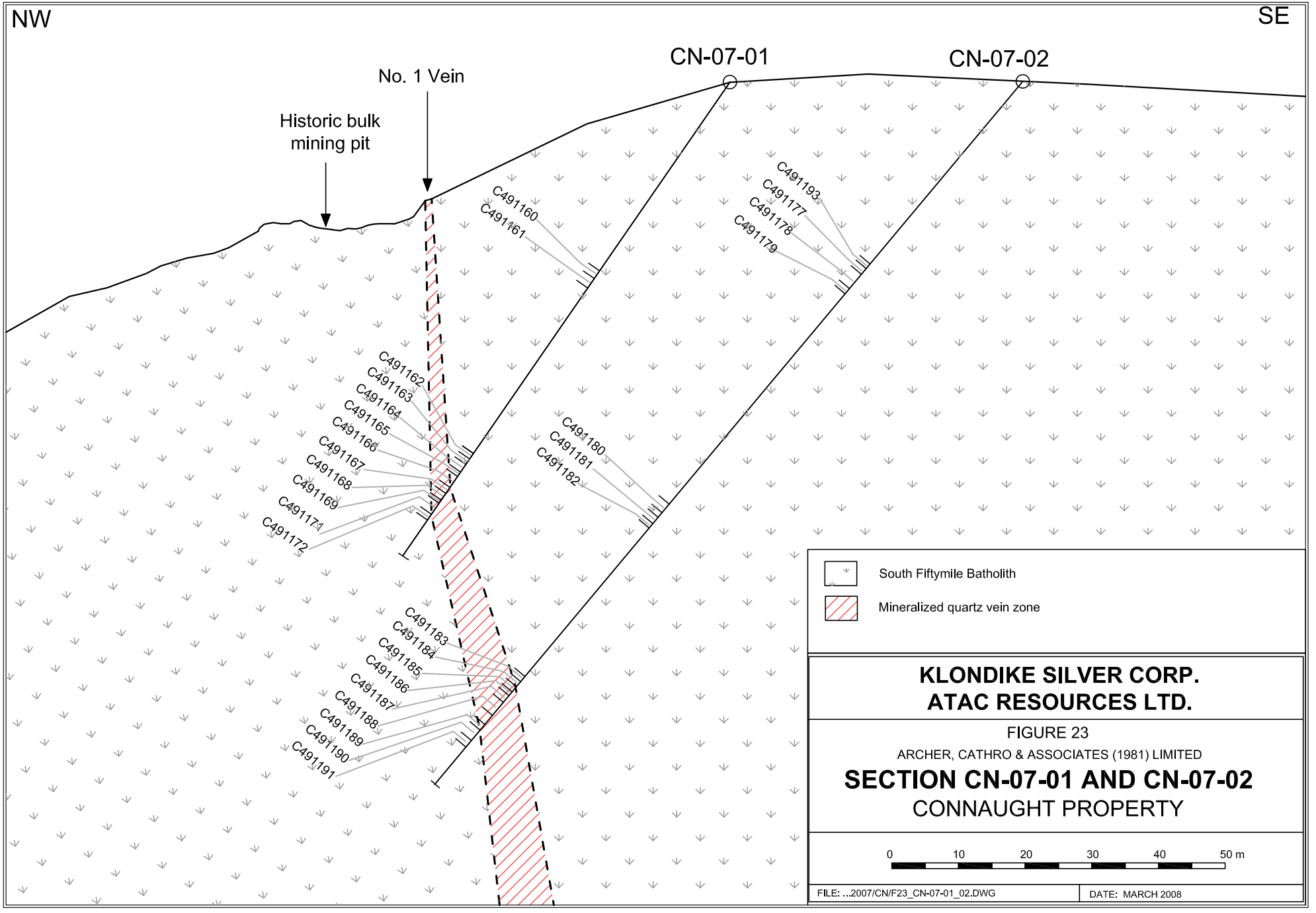
CONNAUGHT PROPERTY

0 0.5 2.5 km

UTM Zone 7, NAD83, 115 N15

FILE: 2007/CN/F22_DRILL.WOR

DATE: MARCH 2008


NW
SE
CN-07-01
CN-07-02
No. 1 Vein
Historic bulk mining pit
C491160
C491161
C491193
C491177
C491178
C491179
C491162
C491163
C491164
C491165
C491166
C491167
C491168
C491169
C491171
C491172
C491180
C491181
C491182
C491183
C491184
C491185
C491186
C491187
C491188
C491189
C491190
C491191
South Fiftymile Batholith
Mineralized quartz vein zone
KLONDIKE SILVER CORP.
ATAC RESOURCES LTD.
FIGURE 23
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
SECTION CN-07-01 AND CN-07-02
CONNAUGHT PROPERTY
0
10
20
30
40
50 m
FILE: ...2007/CN/F23_CN-07-01_02.DWG
DATE: MARCH 2008

18.8 g/t, 0.88 % and 0.28 g/t, respectively across 0.74 m.

*Drill Results - No. 3 Vein*

Three diamond drill holes tested the No. 3 vein with 156 m of coring. Two holes, CN-07-05 and -06 were drilled on the same section line to test the vein zone at depth beneath the massive galena lens exposed at surface in the historical bulk sample pit. CN-07-07 tested the vein zone at a piercement depth of 25 m approximately 25 m along strike to the northeast. All three holes cut tan to weakly rusty weathering tuffaceous quartz muscovite schist and quartzite with narrow intervals of biotite chlorite schist. In general, the rocks are moderately to strongly fractured and contain localized zones of quartz veining associated with clay and scorodite alteration. The largest of these zones was cut near the top of holes CN-07-05 and 06 and appears to be associated with a moderate southeasterly dipping structure (Figure 24). None of this material however, was sampled. A pale pink to tan porphyry dyke with medium grained dark grey chlorite altered hornblende and biotite was encountered near the base of both holes. The inferred orientation of the dyke is parallel to the fracture zone in the upper part of the hole. A 2.20 m sample of the porphyry returned low values for all metal.

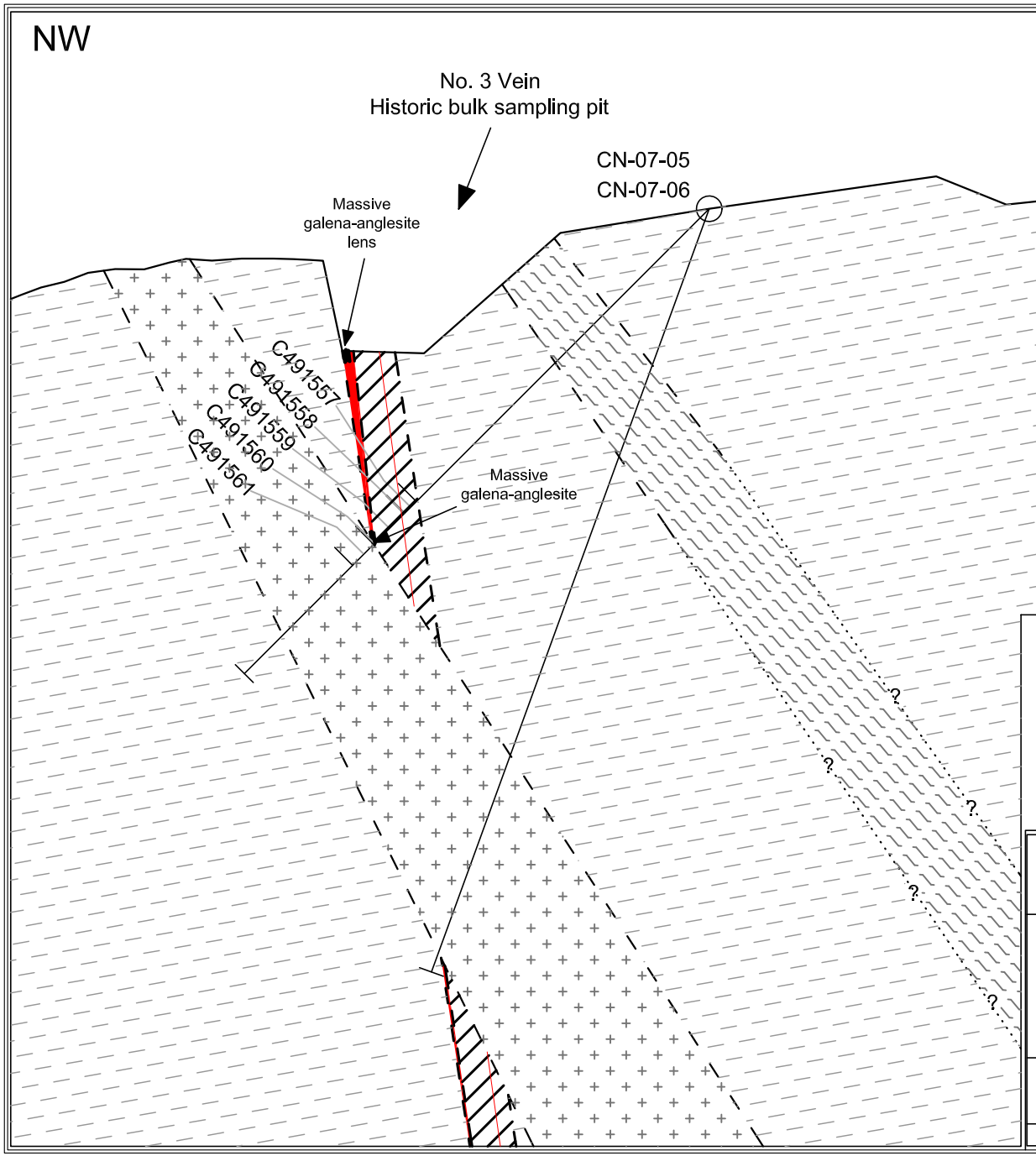
Massive galena and anglesite mineralization associated with the surface lens was encountered between 34 and 37 m down hole in CN-07-05. The mineralized 3.53 m interval consists of two narrow bands of weakly scorodite altered galena, anglesite and cerrucite surrounding a moderately fractured weakly scorodite altered quartz vein. The hanging wall portion of the intersection, however, appears to have been cut off by the porphyry dyke. Results for samples collected from CN-07-05 are shown on Table XII.

**Table XII: No. 3 Vein - CN-07-05 Results**

| INTERVAL (m) | LENGTH (m) | Ag (g/t) | Pb (%) | Au (g/t) |
|---|---|---|---|---|
| **CN-07-05** | | | | |
| 32.75-34.05 | 1.30 | 46.80 | 0.816 | 0.673 |
| 34.05-34.11 | 0.06 | 2130 | 17.95 | 3.94 |
| 34.11-37.51 | 3.40 | 42.10 | 1.80 | 0.122 |
| 37.51-37.58 | 0.07 | 2120 | 31.16 | 1.96 |
| 37.58-39.78 | 2.20 | 6.10 | 0.579 | 0.005 |

No samples were taken from CN-07-06 as the mineralization appears to have been completely cut off by the porphyry dyke.

CN-07-07 was drilled from a second drill pad 25 m northeast of holes -05 and -06. It encountered similar mineralization observed in CN-07-05 at approximately the same piercement depth (Figure 25). Three contiguous samples were collected from the vein zone. The galena rich interval returned the highest grades of 2860 g/t silver, 21.70 % lead and 3.55 g/t gold across 23 cm. Results for samples collected from CN-07-07 are shown on Table XII.




Massive galena-anglesite

Mineralized quartz vein zone

Quartz dominant ferricrete scorodite alteration

Medium grained porphyry dyke

Klondike Schist Assemblage

| SAMPLE | INTERVAL (m) FROM | TO | WIDTH | Ag (g/t) | Pb (%) | Au (g/t) |
|---|---|---|---|---|---|---|
| C491557 | 32.75 | 34.05 | 1.30 | 46.80 | 0.816 | 0.673 |
| C491558 | 34.05 | 34.11 | 0.06 | 2130 | 17.95 | 3.94 |
| C491559 | 34.11 | 37.51 | 3.40 | 42.10 | 1.80 | 0.122 |
| C491560 | 37.51 | 37.58 | .07 | 2120 | 31.16 | 1.96 |
| C491561 | 37.58 | 39.78 | 2.20 | 6.10 | 0.579 | 0.005 |

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FIGURE 24

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

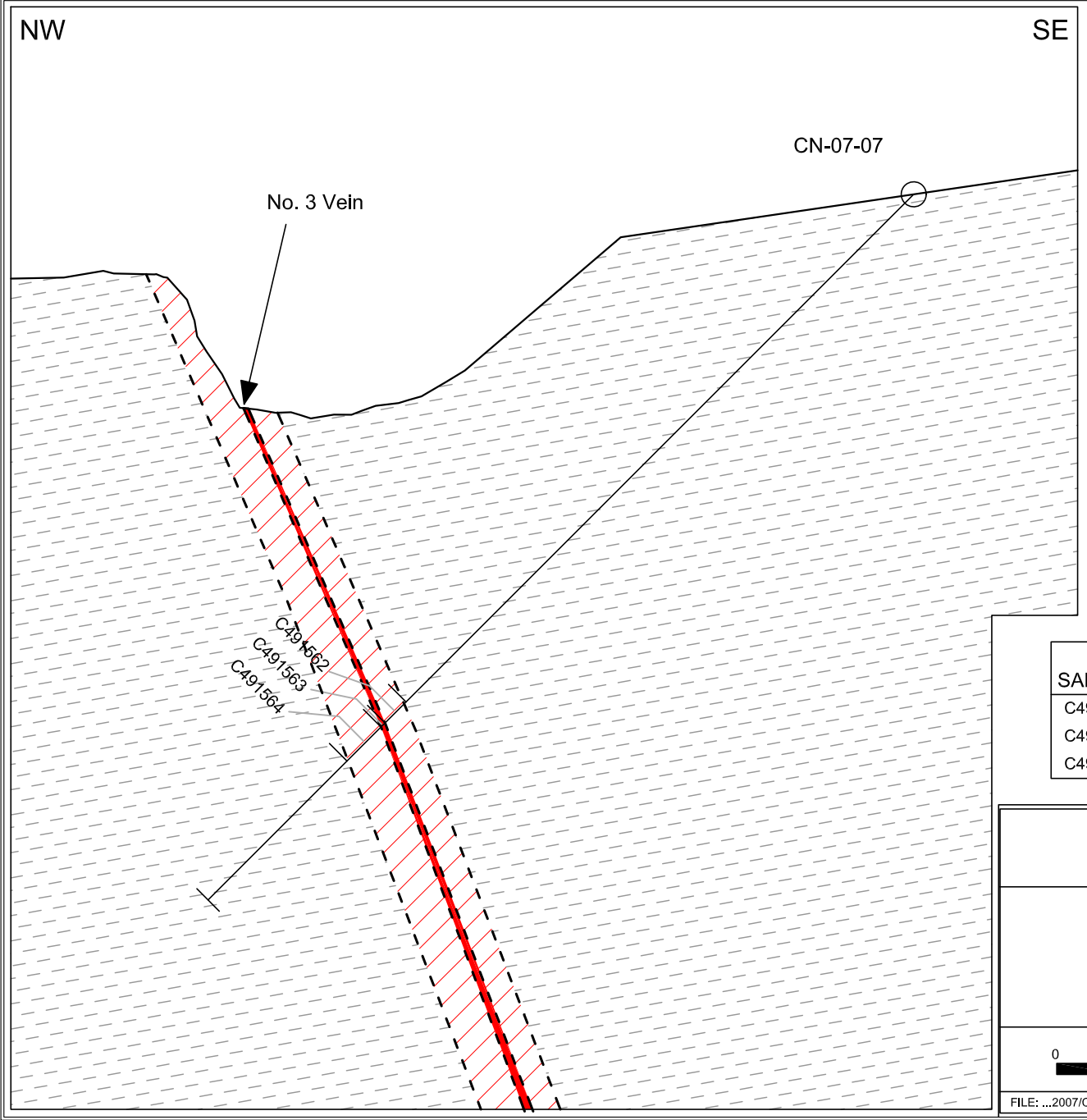
# SECTION CN-07-05 AND CN-07-06

CONNAUGHT PROPERTY

0 10 20 30 40 m

FILE: ...2007/CN/F24_CN-07-05_06.DWG

DATE: MARCH 2008




Vein zone

Massive galena-anglesite

Klondike Schist Assemblage

| SAMPLE | INTERVAL (m) | | | Ag (g/t) | Pb (%) | Au (g/t) |
|---|---|---|---|---|---|---|
| | FROM | TO | WIDTH | | | |
| C491562 | 28.94 | 30.14 | 1.20 | 89.10 | 1.54 | 0.095 |
| C491563 | 30.14 | 30.37 | 0.23 | 2860 | 21.70 | 3.55 |
| C491564 | 30.37 | 32.31 | 1.94 | 49.90 | 0.588 | 0.07 |

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**ATAC RESOURCES LTD.**

FIGURE 25

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# SECTION CN-07-07

CONNAUGHT PROPERTY

0 5 10 20 25 m

FILE: ...2007/CN/F25_CN-07-07.DWG

DATE: MARCH 2008

**Table XIII: No. 3 Vein - CN-07-07 - Drill Results**

| INTERVAL | LENGTH (m) | Ag (g/t) | Pb (%) | Au (g/t) |
|---|---|---|---|---|
| **CN-07-07** | | | | |
| 28.94-30.14 | 1.20 | 89.10 | 1.54 | 0.095 |
| 30.14-30.37 | 0.23 | 2860 | 21.70 | 3.55 |
| 30.37-32.31 | 1.94 | 49.90 | 0.588 | 0.07 |

*Drill Results - No. 4 Vein*

One hundred and seventy five metres of drilling was completed in two drill holes at the No. 4 Vein. Drill collars CN-07-03 and -04 were located 90 m apart on parallel section lines perpendicular to the surface trace of the vein. CN-07-03 was located to intersect the vein at a 25 m piercement (Figure 26) and to test for additional veins in the adjacent hanging wall stratigraphy. The dominant rock type encountered in most of the hole is a competent tan to grey tuffaceous muscovite-biotite quartzite. These rocks appear to be comformably overlying granitic orthogneiss. Core axis angles in both units suggests a gentle northwesterly dip. Fractures are orange-rusty weathering with random orientations.

The structural alteration zone associated with the surface mineralization was encountered between 60 and 80 m and is marked by a sharp transition which grades immediately into intense fracturing, yellow-brown clay alteration and localized quartz veining.

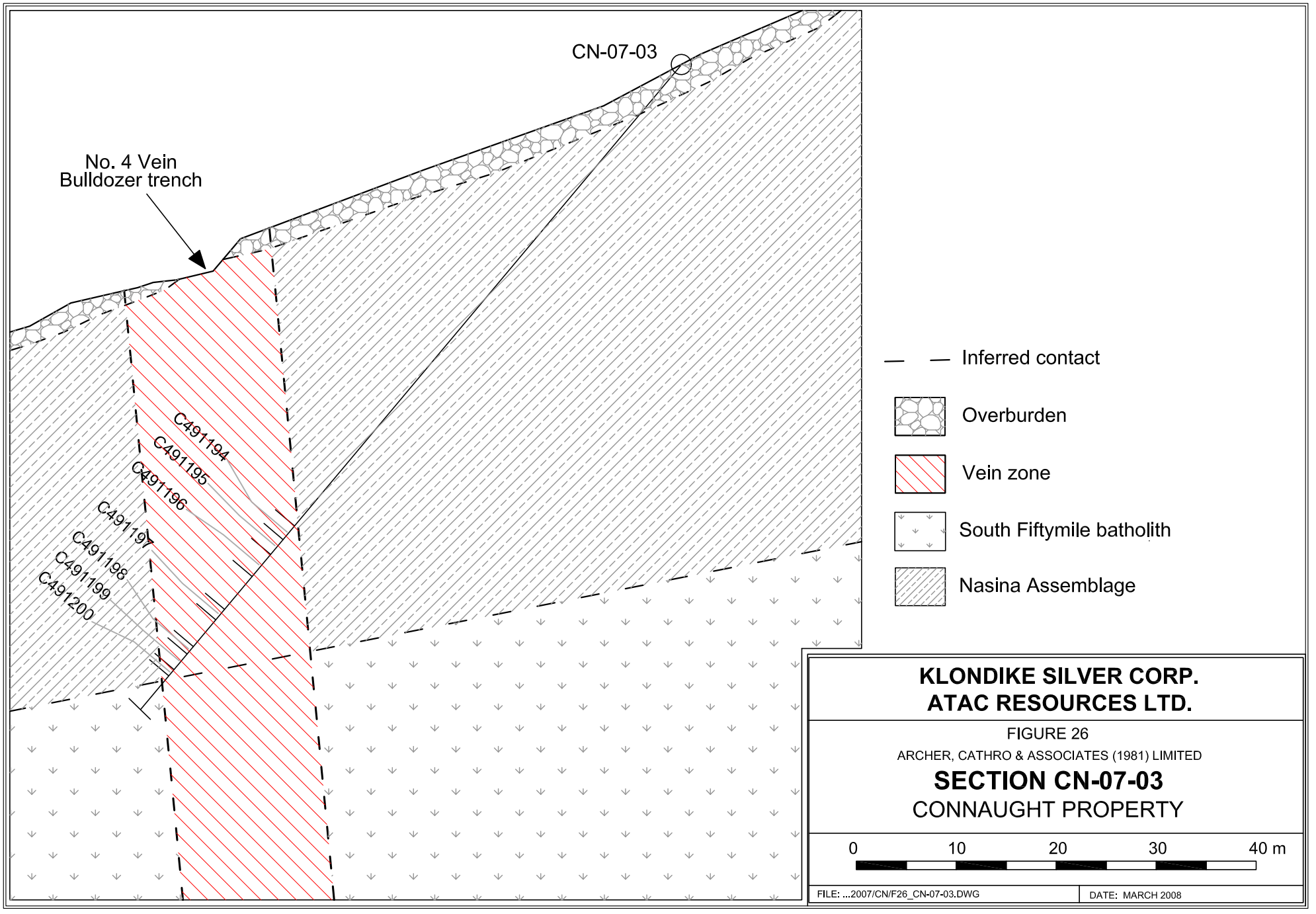
Seven samples were collected from the structural zone and the best values were obtained from quartz breccia vein material in the immediate hanging wall where a 2.03 m interval returned 409 g/t silver, 10.45 % lead and 0.11 g/t gold. Results for all samples collected in this zone are shown in Table XIV.

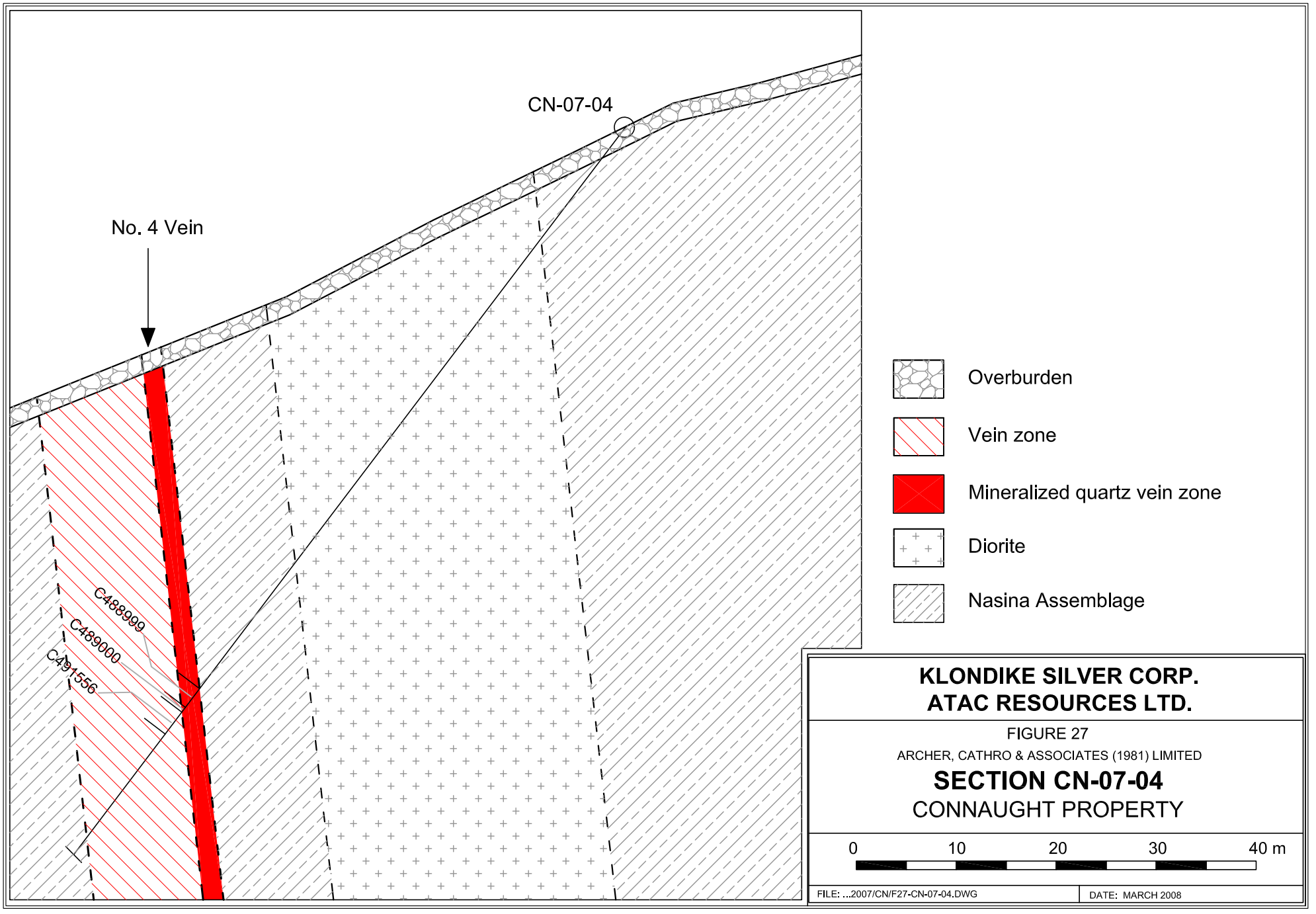
CN-07-04 was located approximately 90 m southwest of CN-07-03. Again, it was located to intersect the surface vein zone at an approximate 35 m piercement depth and test for additional veins in the adjacent hanging wall stratigraphy.

All strata cut in this hole is moderately fractured tuffaceous muscovite-biotite quartzite similar to that observed in CN-07-03 (Figure 27). The other dominant rock type encountered in the upper portion of the hole is fine grained diorite which is fresh in appearance with narrow intervals of talc-chlorite alteration.

A broad structural zone was intersected near the base of the hole beneath the projected surface trace of the No. 4 Vein. It consists of highly fractured and clay altered tuffaceous metasediments with localized quartz veining, weakly mineralized with blebby and disseminated pyrite, arsenopyrite and yellow-green weathering arsenic-antimony sulfosalts.

Three continuous samples from the hangingwall portion of the structural zone returned a weighted average of 48.1 g/t silver, 0.30 % lead and 0.07 g/t gold across 5.69 m. Results for individual samples are contained in Table XIV


CN-07-03
No. 4 Vein
Bulldozer trench
C491194
C491195
C491196
C491197
C491198
C491199
C491200
Inferred contact
Overburden
Vein zone
South Fiftymile batholith
Nasina Assemblage
KLONDIKE SILVER CORP.
ATAC RESOURCES LTD.
FIGURE 26
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
SECTION CN-07-03
CONNAUGHT PROPERTY
0
10
20
30
40 m
FILE: ...2007/CN/F26_CN-07-03.DWG
DATE: MARCH 2008




**KLONDIKE SILVER CORP.**
**ATAC RESOURCES LTD.**

FIGURE 27

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

## SECTION CN-07-04

CONNAUGHT PROPERTY

0 10 20 30 40 m

FILE: ...2007/CN/F27-CN-07-04.DWG

DATE: MARCH 2008

**Table XIV: No. 4 Vein - Drill Results**

| INTERVAL | LENGTH (m) | Ag (g/t) | Pb (%) | Au (g/t) |
|---|---|---|---|---|
| **CN-07-03** | | | | |
| 60.19-62.08 | 1.89 | 93.20 | 1.19 | 0.204 |
| 62.08-64.01 | 1.93 | 7.90 | 0.11 | 0.071 |
| 64.01-66.85 | 2.84 | 4.70 | 0.02 | 0.006 |
| 71.17-72.54 | 1.37 | 2.20 | 0.09 | 0.003 |
| 76.05-77.02 | 0.97 | 314 | 2.39 | 0.062 |
| 77.02-79.05 | 2.03 | 409 | 10.45 | 0.107 |
| 79.05-79.85 | 0.80 | 193 | 2.15 | 0.871 |
| **CN-07-04** | | | | |
| 70.61-72.95 | 2.34 | 81.70 | 0.40 | 0.042 |
| 72.95-73.55 | 0.60 | 21.50 | 0.32 | 0.116 |
| 73.55-76.30 | 2.75 | 25.20 | 0.23 | 0.128 |

## DISCUSSION AND CONCLUSIONS

The Connaught property hosts an extensive system of silver-lead-gold veins within the Sixtymile placer gold camp west of Dawson City. Mineralized veins are associated with easterly to northeasterly trending structural zones that appear to cut all stratigraphic units currently mapped on the property. The source of mineralization has not yet been determined but is likely associated with the emplacement of Mid-Cretaceous intrusions.

Vein mineralogy is complex and consists of multiple episodes of quartz-sulphide emplacement. Scanning Electron Microprobe studies are underway at the University of British Columbia to define the sulphide, sulfosalt and oxide species present and establish the mode of occurrence of silver, lead and gold. Preliminary correlation coefficient data generated from vein sample results collected in 2007 shows obvious relationships between silver-lead-antimony and gold-arsenic-bismuth which can be broadly attributed to the subdivision of Type I and II mineralization.

Type I mineralization is galena dominant akin to the ore mined at the highly productive Keno Hill district. Silver: lead ratios for most samples collected from the CN property during 2007 are roughly 1:1 with rare gold credits. However, ratios up to 2.5:1 are reported from this type of vein material previously collected from the No. 8 Vein. This type of mineralization would be suitable for direct shipping and smelting.

Type II mineralization is quartz dominant with variable concentrations of sulphide, sulfosalts and associated oxides. Silver: lead ratios are again roughly 1:1 but gold values are significantly elevated. It is likely this type of mineralization would require custom milling in preparation of a suitable silver, lead and gold concentrate.

Soil geochemistry has proven to be an excellent tool for sourcing the known veins despite the deep weathering, non-glaciated and permafrost rich environment of the Dawson Range. Historical and recently defined soil anomalies suggest some of the known veins may extend over

1000 m beyond the current exposures and there are numerous anomalies that have not yet received follow up prospecting and mechanised trenching.

Presently, there is a very limited understanding of the structural and hydrothermal controls associated with the development of the veins on the CN property. Additional exploration is definitely warranted and should be implemented with two objectives in mind. The first objective should focus on the discovery of new vein zones by conducting property-wide close spaced grid soil geochemical surveys and excavator trenching across prospective geochemical trends. The second objective should focus on establishing the controls responsible for the development of the Type I and II mineralization associated with the known vein zones. This would be done most effectively by bulk sampling which would provide a detailed three dimensional assessment of the ore shoots and define important links between the development of ore shoots and the host stratigraphic medium. The bulk sample should be shipped to an appropriate smelter either in Canada or overseas for processing.

The exploration programs should include detail mapping and prospecting as the current property geology maps are too regional in context and many of the soil geochemical anomalies have no received any follow up work. The detail mapping should be directed toward delineating favourable units such as the granitic orthogneiss and quartzites of the South Fiftymile Batholith and Nasina Assemblage, respectively. These units are favourable because they are receptive to accommodating broad continuous dilatent open space fractures.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

William A. Wengzynowski, P. Eng.

## REFERENCES

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Traynor, S
2005 Yukon Minfile, Yukon Geological Survey, Yukon Energy, Mines and Resources.

# APPENDIX I

# STATEMENT OF QUALIFICATIONS

## STATEMENT OF QUALIFICATIONS

I, William A. Wengzynowski, geological engineer, with business addresses in Vancouver, British Columbia and Whitehorse, Yukon Territory and residential address at 301 Fairway Drive, North Vancouver, British Columbia, V7G 1L4 do hereby certify that:

1. I am President of Archer, Cathro & Associates (1981) Limited.

2. I graduated from the University of British Columbia in 1993 with a B.A.Sc in Geological Engineering, Option l, mineral and fuel exploration.

3. I registered as a Professional Engineer in the Province of British Columbia on December 12, 1998 (Licence Number 24119).

4. From 1983 to present, I have been actively engaged in mineral exploration in the Yukon Territory, Northwest Territories, northern British Columbia and Mexico.

5. I have personally participated in and supervised the fieldwork reported herein.

William A. Wengzynowski, P. Eng.

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 – 510 West Hastings Street
Vancouver, B.C. V6B 1L8
Telephone: 604-688-2568 Fax: 604-688-2578

# AFFIDAVIT

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

That to the best of my knowledge the attached Statement of Expenditures for exploration work on CN 1-120, 125-162, 167-178, 189-202 and NC 1-8 and 13 –32 mineral claims on Claim Sheet 115N/15 is accurate.

Joan Mariacher

Sworn before me at Vancouver, B.C.

this 7th day of April, 2008.



# Statement of Expenditures
## CN 1-120, 125-162, 167-178, 189-202 and NC 1-8 & 13-32 Mineral Claims
## March 25, 2008

Contract Diamond Drilling

Beaudoin Diamond Drilling Ltd. $101,861.05

Total Footage – 1,827 ft = $55.75/ft

| Hole # | Depth (ft) | Cost | Grant Number | Claim Name |
|---|---|---|---|---|
| 1 | 287 | $16,001.16 | YC44104 | CN 6 |
| 2 | 452 | 25,200.43 | YC44104 | 6 |
| | 739 | 41,201.59 | | |
| 3 | 276 | 15,387.88 | YC44107 | 9 |
| 4 | 300 | 16,725.95 | YC44107 | 9 |
| | 576 | 32,113.83 | | |
| 5 | 170 | 9,478.04 | YC44126 | 28 |
| 6 | 210 | 11,708.17 | YC44126 | 28 |
| | 380 | 21,186.21 | | |
| 7 | 132 | 7,359.42 | YC44132 | 34 |
| Total | 1,827 | $101,861.05 | | |



**BEAUDOIN DIAMOND DRILLING LTD.**
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# INVOICE

Invoice No.: 24
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V6B 1L8

Canada

Business No.: 842828568

| Item No. | Quantity | Unit | Description | Tax | Unit Price | Amount |
|---|---|---|---|---|---|---|
| | | | Aug. 10 - 16, 2007<br>Mobilization of crew and equipment | | | |
| 1. | 163 | Hour | Man field rate | G | 65.00 | 10,595.00 |
| | | | Subtotal: | | | 10,595.00 |
| | | | G - GST 6% | | | |
| | | | GST | | | 635.70 |

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| | | |
|---|---|---|
| C ents | Freight | 0.00 |
| | Total Amount | 11,230.70 |

Okay Bill Sept 10/2007

**BEAUDOIN DIAMOND DRILLING LTD.**
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# INVOICE

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V6B 1L8

Canada

Business No.: 842828568

| Item No. | Quantity | Unit | Description | Tax | [illegible] | Amount |
|---|---|---|---|---|---|---|
| | | | Aug. 17, 2007<br>Hole # CN-07-01 | | | |
| 1. | 4.6 | Meter | Casing | G | 94.00 | 432.40 |
| 2. | 86 | Meter | Coring | G | 94.00 | 8,084.00 |
| 3. | 4 | Hour | Man field rate | G | 65.00 | 260.00 |
| 4. | 2 | Hour | Equipment field rate | G | 100.00 | 200.00 |
| 5. | 1 | Day | Truck | G | 110.00 | 110.00 |
| 6. | 1 | Each | BTW 10' rod | G | 140.00 | 140.00 |
| 7 | | | 15% S/H on item 6 | G | | 21.00 |
| | | | Subtotal: | | | 9,247.40 |
| | | | G - GST 6% | | | |
| | | | GST | | | 554.84 |




( ents

| | |
|---|---|
| Freight | 0.00 |
| Total Amount | 9,802.24 |

OKd by Bill Sept 10, 2007

**BEAUDOIN DIAMOND DRILLING LTD.**
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V6B 1L8

Canada

Business No.: 842828568

| Item No. | Quantity | Unit | Description | Tax | Unit Price | Amount |
|---|---|---|---|---|---|---|
| | | | Aug. 18 - 20, 2007<br>Hole # CN-07-02 | | | |
| 1. | 1.5 | Meter | Casing | G | 94.00 | 141.00 |
| 2. | 136.3 | Meter | Coring | G | 94.00 | 12,812.20 |
| 3. | 51 | Hour | Man field rate | G | 65.00 | 3,315.00 |
| 4. | 12.5 | Hour | Equipment field rate | G | 100.00 | 1,250.00 |
| 5. | 3 | Day | Truck | G | 110.00 | 330.00 |
| 6. | 1 | Each | BTW 10' rod | G | 140.00 | 140.00 |
| 7 | 1 | Each | GS550 | G | 190.00 | 190.00 |
| | | | 15% S/H on items 6, 7 | G | | 49.50 |
| | | | Subtotal: | | | 18,227.70 |
| | | | G - GST 6% | | | |
| | | | GST | | | 1,093.66 |

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|---|---|
| Freight | 0.00 |
| Total Amount | 19,321.36 |

OKL by Bill Sept 10, 2007

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Vancouver, BC
V6B 1L8

Canada

**Business No.:** 842828568

| Item No. | Quantity | Unit | Description | Tax | Unit Price | Amount |
|---|---|---|---|---|---|---|
| | | | Aug. 20 - 22, 2007<br>Hole # CN-07-03 | | | |
| 1. | 3.1 | Meter | Casing | G | 94.00 | 291.40 |
| 2. | 82.6 | Meter | Coring | G | 94.00 | 7,764.40 |
| 3. | 51 | Hour | Man field rate | G | 65.00 | 3,315.00 |
| 4. | 4.5 | Hour | Equipment field rate | G | 100.00 | 450.00 |
| 5. | 2 | Day | Second pump | G | 100.00 | 200.00 |
| 6. | 2 | Day | Truck | G | 110.00 | 220.00 |
| 7 | 1 | Each | BTW 10' rod | G | 140.00 | 140.00 |
| | | | 15% S/H on item 7 | G | | 21.00 |
| | | | Subtotal: | | | 12,401.80 |
| | | | G - GST 6% | | | |
| | | | GST | | | 744.10 |




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|---|---|
| Freight | 0.00 |
| Total Amount | 13,145.90 |

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4

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V6B 1L8

Canada

Business No.: 842828568

| Item No. | Quantity | Unit | Description | Tax | Unit Price | Amount |
|---|---|---|---|---|---|---|
| | | | Aug. 22 - 23, 2007<br>Hole # CN-07-04 | | | |
| 1. | 6.1 | Meter | Casing | G | 94.00 | 573.40 |
| 2. | 88.4 | Meter | Coring | G | 94.00 | 8,309.60 |
| 3. | 21.5 | Hour | Man field rate | G | 65.00 | 1,397.50 |
| 4. | 3 | Hour | Equipment field rate | G | 100.00 | 300.00 |
| 5. | 1 | Day | Second pump | G | 100.00 | 100.00 |
| 6. | 1 | Day | Truck | G | 110.00 | 110.00 |
| 7 | 2 | Each | BTW 10' rod | G | 140.00 | 280.00 |
| | 1 | Each | Rod grease | G | 115.00 | 115.00 |
| 8. | | | 15% S/H on item 7, 8 | G | | 59.25 |
| | | | Subtotal: | | | 11,244.75 |
| | | | G - GST 6% | | | |
| | | | GST | | | 674.69 |

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|---|---|
| Freight | 0.00 |
| Total Amount | 11,919.44 |

Rcd by Bill Sept 10, 2008

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Canada

Business No.: 842828568

| Item No. | Quantity | Unit | Description | Tax | Unit Price | Amount |
|---|---|---|---|---|---|---|
| | | | Aug. 24 - 25, 2007<br>Hole # CN-07-05 | | | |
| 1. | 3.1 | Meter | Casing | G | 94.00 | 291.40 |
| 2. | 48.8 | Meter | Coring | G | 94.00 | 4,587.20 |
| 3. | 24 | Hour | Man field rate | G | 65.00 | 1,560.00 |
| 4. | 2 | Hour | Equipment field rate | G | 100.00 | 200.00 |
| 5. | 2 | Day | Truck | G | 110.00 | 220.00 |
| 6. | 1 | Each | BTW 10' rod | G | 140.00 | 140.00 |
| 7. | 1 | Each | GS 550 | G | 190.00 | 190.00 |
| | | | 15% S/H on items 6, 7 | G | | 49.50 |
| | | | Subtotal: | | | 7,238.10 |
| | | | G - GST 6% | | | |
| | | | GST | | | 434.28 |

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|---|---|
| Freight | 0.00 |
| Total Amount | 7,672.38 |

OKd by Bill Sept 10, 2007

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Business No.: 842828568

| Item No. | Quantity | Unit | Description | Tax | Unit Price | Amount |
|---|---|---|---|---|---|---|
| | | | Aug. 25, 2007<br>Hole # CN-07-06 | | | |
| 1. | 3.1 | Meter | Casing | G | 94.00 | 291.40 |
| 2. | 61 | Meter | Coring | G | 94.00 | 5,734.00 |
| 3. | 10 | Hour | Man field rate | G | 65.00 | 650.00 |
| 4. | 1.5 | Hour | Equipment field rate | G | 100.00 | 150.00 |
| 5. | 1 | Each | BTW 10' rod | G | 140.00 | 140.00 |
| 6. | | | 15% S/H on item 5 | G | | 21.00 |
| | | | Subtotal: | | | 6,986.40 |
| | | | G - GST 6% | | | |
| | | | GST | | | 419.18 |




ents

| | |
|---|---|
| Freight | 0.00 |
| Total Amount | 7,405.58 |

OK'd by Brian Lott 10 pm?

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Canada

Business No.: 842828568

| Item No. | Quantity | Unit | Description | Tax | Unit Price | Amount |
|---|---|---|---|---|---|---|
| | | | Aug. 25 - 26, 2007<br>Hole # CN-07-07 | | | |
| 1. | 4.6 | Meter | Casing | G | 94.00 | 432.40 |
| 2. | 37.2 | Meter | Coring | G | 94.00 | 3,496.80 |
| 3. | 9 | Hour | Man field rate | G | 65.00 | 585.00 |
| 4. | 1.5 | Hour | Equipment field rate | G | 100.00 | 150.00 |
| 5. | 1 | Day | Truck | G | 110.00 | 110.00 |
| | | | Subtotal: | | | 4,774.20 |
| | | | G - GST 6% | | | |
| | | | GST | | | 286.45 |

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|---|---|
| Freight | 0.00 |
| Total Amount | 5,060.65 |

OK to pay Bill Sept 10, 2007

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Vancouver, BC
V6B 1L8

Canada

Business No.: 842828568

| Item No. | Quantity | Unit | Description | Tax | Unit Price | Amount |
|---|---|---|---|---|---|---|
| | | | Aug. 26 - 31, 2007<br>Demobilization of crew and equipment | | | |
| 1. | | | Demobilization | G | | 11,000.00 |
| 2. | 64 | Hour | Man field rate | G | 65.00 | 4,160.00 |
| 3. | 2 | Day | Truck | G | 110.00 | 220.00 |
| | | | Subtotal: | | | 15,380.00 |
| | | | G - GST 6% | | | |
| | | | GST | | | 922.80 |

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| | |
|---|---|
| Freight | 0.00 |
| Total Amount | 16,302.80 |

Ok by Bill Sept 10, 2007

# APPENDIX II

# CERTIFICATES OF ANALYSIS

**ALS Chemex**
***EXCELLENCE IN ANALYTICAL CHEMISTRY***
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1
Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

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

Finalized


. 11-JAN-2008
Account: RCM

## CERTIFICATE VA07129463

Project: CONNAUGHT

P.O. No.:

This report is for 14 Rock samples submitted to our lab in Vancouver, BC, Canada on 5-NOV-2007.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| AL ARCHER<br>BILL WENGZYNOWSKI | DOUG EATON | 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: **ATAC RESOURCES LTD.**
**ATTN: AL ARCHER**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

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

**Signature:**

Colin Ramshaw, Vancouver Laboratory Manager

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1
Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: CONNAUGHT


Finalized Date: 11-JAN-2008
Account: RCM

## CERTIFICATE OF ANALYSIS VA07129463

| Sample Description | Method / Analyte / Units / LOR | Pb-VOL70 Pb % 0.01 |
|---|---|---|
| C488979 | | 73.46 |
| C488980 | | 70.71 |
| C488981 | | 74.75 |
| C488983 | | 61.45 |
| C488987 | | 49.38 |
| C488988 | | 49.56 |
| C488989 | | 61.62 |
| C488991 | | 64.54 |
| C488992 | | 19.26 |
| C488994 | | 67.53 |
| C491158 | | 37.59 |
| C491159 | | 28.09 |
| C491560 | | 31.16 |
| C491563 | | 21.70 |

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VANCOUVER BC V6B 1L8

Finalized


13-NOV-2007
Account: RCM

# CERTIFICATE VA07123197

Project: CONNAUGHT

P.O. No.:

This report is for 12 Rock samples submitted to our lab in Vancouver, BC, Canada on 25-OCT-2007.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| AL ARCHER<br>BILL WENGZYNOWSKI | DOUG EATON | 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: **ATAC RESOURCES LTD.**
**ATTN: AL ARCHER**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

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

**Signature:** Lawrence Ng

Lawrence Ng, Laboratory Manager - Vancouver

**ALS Chemex**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8


Finalized Date: 13-NOV-2007
Account: RCM

Project: CONNAUGHT

## CERTIFICATE OF ANALYSIS VA07123197

| Sample Description | Method | Pb-VOL70 |
|---|---|---|
| | Analyte | Pb |
| | Units | % |
| | LOR | 0.01 |
| C491127 | | 47.78 |
| C491128 | | 77.61 |
| C491129 | | 27.33 |
| C491142 | | 26.43 |
| C491147 | | 35.82 |
| C491149 | | 34.17 |
| C491150 | | 40.08 |
| C491152 | | 46.85 |
| C491154 | | 44.01 |
| C491155 | | 38.67 |
| C491156 | | 23.07 |
| C491157 | | 51.40 |

**ALS Chemex**
***EXCELLENCE IN ANALYTICAL CHEMISTRY***
ALS Canada Ltd.
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To: ATAC RESOURCES LTD.
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized


30-OCT-2007
Account: RCM

## CERTIFICATE VA07110746

Project: CONNAUGHT

P.O. No.:

This report is for 124 Soil samples submitted to our lab in Vancouver, BC, Canada on 7-SEP-2007.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| AL ARCHER<br>BILL WENGZYNOWSKI | DOUG EATON | JOAN MARIACHER |

## 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 |
|---|---|---|
| ME-ICP41 | 35 Element Aqua Regia ICP-AES | ICP-AES |

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

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

**Signature:** Lawrence Ng

Lawrence Ng, Laboratory Manager - Vancouver

**ALS Chemex**
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Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

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

Project: CONNAUGHT


Finalized Date: 30-OCT-2007
Account: RCM

## CERTIFICATE OF ANALYSIS VA07110746

| 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 |
| CC42399 | | 0.24 | 1.2 | 2.63 | 48 | <10 | 170 | 1.2 | 13 | 0.42 | <0.5 | 10 | 48 | 111 | 3.08 | 10 |
| CC42400 | | 0.16 | 1.0 | 2.49 | 34 | <10 | 270 | 1.4 | 6 | 0.51 | 0.7 | 16 | 53 | 76 | 2.95 | 10 |
| CC42401 | | 0.26 | 0.7 | 2.10 | 84 | <10 | 160 | 1.1 | 8 | 0.35 | <0.5 | 10 | 30 | 46 | 2.82 | 10 |
| CC42402 | | 0.24 | 0.2 | 2.44 | 20 | <10 | 160 | 0.9 | 5 | 0.39 | <0.5 | 12 | 49 | 37 | 3.18 | 10 |
| CC42403 | | 0.22 | 3.6 | 1.91 | 186 | <10 | 130 | 1.0 | 37 | 0.32 | 0.7 | 10 | 47 | 248 | 3.24 | 10 |
| CC42404 | | 0.16 | 2.9 | 2.17 | 76 | <10 | 150 | 1.2 | 9 | 0.40 | <0.5 | 8 | 44 | 201 | 2.80 | 10 |
| CC42405 | | 0.18 | 0.6 | 2.32 | 514 | <10 | 110 | 0.9 | 6 | 0.26 | 1.1 | 9 | 43 | 70 | 4.19 | 10 |
| CC42406 | | 0.24 | 0.8 | 2.47 | 298 | <10 | 100 | 0.9 | 5 | 0.22 | 0.8 | 13 | 41 | 55 | 4.28 | 10 |
| CC42407 | | 0.36 | 1.6 | 2.48 | 270 | <10 | 110 | 1.2 | 7 | 0.31 | 0.8 | 11 | 41 | 118 | 4.05 | 10 |
| CC42408 | | 0.30 | 1.1 | 3.08 | 113 | <10 | 150 | 1.4 | 11 | 0.13 | <0.5 | 10 | 37 | 138 | 5.21 | 10 |
| CC42409 | | 0.22 | 0.6 | 2.36 | 192 | <10 | 120 | 1.0 | 6 | 0.14 | <0.5 | 11 | 39 | 98 | 4.75 | 10 |
| CC42410 | | 0.32 | 1.1 | 3.18 | 100 | <10 | 200 | 1.4 | 8 | 0.17 | <0.5 | 14 | 43 | 90 | 4.77 | 10 |
| CC42411 | | 0.12 | 1.1 | 2.22 | 104 | <10 | 140 | 0.8 | 5 | 0.16 | <0.5 | 10 | 33 | 50 | 3.48 | 10 |
| CC42412 | | 0.26 | 2.4 | 2.32 | 136 | <10 | 160 | 1.2 | 8 | 0.26 | <0.5 | 29 | 36 | 100 | 4.71 | 10 |
| CC42413 | | 0.22 | 4.4 | 1.92 | 97 | <10 | 160 | 0.7 | 9 | 0.21 | 0.9 | 10 | 31 | 99 | 3.36 | 10 |
| CC42414 | | 0.16 | 2.6 | 1.73 | 35 | <10 | 150 | 0.8 | 7 | 0.19 | 0.6 | 10 | 24 | 157 | 3.54 | 10 |
| CC42415 | | 0.16 | 2.3 | 2.39 | 82 | <10 | 260 | 0.8 | 8 | 0.36 | 0.9 | 13 | 36 | 87 | 3.75 | 10 |
| CC42416 | | 0.24 | 2.6 | 2.19 | 232 | <10 | 110 | 0.5 | 6 | 0.33 | 1.1 | 8 | 34 | 50 | 3.10 | 10 |
| CC42417 | | 0.28 | 1.0 | 2.63 | 91 | <10 | 170 | 0.8 | 7 | 0.31 | 0.6 | 13 | 36 | 45 | 3.59 | 10 |
| CC42418 | | 0.18 | 0.3 | 2.18 | 297 | <10 | 200 | 0.9 | 3 | 0.27 | 1.1 | 14 | 54 | 54 | 3.95 | 10 |
| CC42419 | | 0.22 | 1.6 | 2.98 | 125 | <10 | 210 | 0.7 | 5 | 0.36 | 0.9 | 18 | 107 | 69 | 4.54 | 10 |
| CC42420 | | 0.22 | 0.9 | 2.33 | 79 | <10 | 230 | 0.6 | 6 | 0.26 | <0.5 | 14 | 64 | 60 | 4.03 | 10 |
| CC42421 | | 0.30 | 0.9 | 1.90 | 120 | <10 | 210 | <0.5 | 4 | 0.25 | 1.1 | 15 | 55 | 37 | 3.41 | 10 |
| CC42422 | | 0.30 | 1.0 | 2.14 | 105 | <10 | 180 | 0.6 | 3 | 0.30 | 0.8 | 12 | 57 | 39 | 3.43 | 10 |
| CC42423 | | 0.34 | 1.0 | 2.32 | 89 | <10 | 160 | 0.6 | 3 | 0.28 | 0.7 | 16 | 53 | 37 | 3.71 | 10 |
| CC42424 | | 0.20 | 1.2 | 2.06 | 134 | <10 | 150 | 0.6 | 5 | 0.23 | 0.8 | 17 | 41 | 32 | 3.16 | 10 |
| CC42425 | | 0.18 | 2.7 | 1.93 | 142 | <10 | 120 | 0.5 | 9 | 0.19 | 0.5 | 8 | 35 | 39 | 2.88 | 10 |
| CC42426 | | 0.16 | 2.4 | 1.96 | 99 | <10 | 130 | 0.5 | 9 | 0.21 | 0.5 | 15 | 30 | 42 | 2.89 | 10 |
| CC42427 | | 0.26 | 0.3 | 1.86 | 7 | <10 | 200 | <0.5 | <2 | 0.40 | <0.5 | 6 | 30 | 22 | 2.15 | 10 |
| CC42428 | | 0.18 | <0.2 | 0.26 | <2 | <10 | 20 | <0.5 | <2 | 0.04 | <0.5 | 1 | 3 | 4 | 0.54 | <10 |
| CC42429 | | 0.18 | <0.2 | 1.65 | 12 | <10 | 170 | <0.5 | <2 | 0.21 | <0.5 | 5 | 24 | 22 | 2.25 | 10 |
| CC42430 | | 0.20 | 1.0 | 2.04 | 42 | <10 | 160 | 1.0 | 12 | 0.38 | 0.6 | 11 | 36 | 101 | 3.07 | 10 |
| CC42431 | | 0.18 | 0.5 | 1.89 | 31 | <10 | 140 | 0.8 | 9 | 0.31 | <0.5 | 12 | 34 | 42 | 2.87 | 10 |
| CC42432 | | 0.16 | 1.8 | 2.88 | 120 | <10 | 240 | 1.5 | 8 | 0.46 | <0.5 | 13 | 42 | 60 | 3.51 | 10 |
| CC42433 | | 0.26 | 0.3 | 2.63 | 23 | <10 | 150 | 1.1 | 6 | 0.43 | <0.5 | 13 | 58 | 43 | 3.34 | 10 |
| CC42434 | | 0.32 | 2.4 | 2.35 | 259 | <10 | 140 | 1.1 | 22 | 0.25 | <0.5 | 10 | 50 | 207 | 3.54 | 10 |
| CC42435 | | 0.28 | 3.9 | 2.40 | 1520 | <10 | 150 | 1.2 | 10 | 0.20 | 1.3 | 10 | 53 | 171 | 4.42 | 10 |
| CC42436 | | 0.34 | 1.1 | 2.51 | 634 | <10 | 130 | 1.0 | 4 | 0.21 | 1.0 | 9 | 40 | 90 | 3.54 | 10 |
| CC42437 | | 0.24 | 0.7 | 2.82 | 126 | <10 | 120 | 1.2 | 4 | 0.27 | <0.5 | 13 | 37 | 181 | 5.57 | 10 |
| CC42438 | | 0.24 | 0.5 | 2.69 | 176 | <10 | 80 | 0.9 | <2 | 0.18 | 0.7 | 11 | 34 | 53 | 3.66 | 10 |

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Project: CONNAUGHT


Finalized Date: 30-OCT-2007
Account: RCM

## CERTIFICATE OF ANALYSIS VA07110746

| 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 |
| CC42399 | | 1 | 0.29 | 20 | 1.17 | 317 | 1 | 0.02 | 21 | 680 | 70 | 0.12 | <2 | 5 | 55 | <20 |
| CC42400 | | <1 | 0.24 | 30 | 0.99 | 1625 | 2 | 0.03 | 22 | 1250 | 31 | 0.18 | <2 | 3 | 67 | <20 |
| CC42401 | | <1 | 0.19 | 20 | 0.81 | 512 | 1 | 0.02 | 17 | 680 | 41 | 0.09 | 2 | 3 | 42 | <20 |
| CC42402 | | <1 | 0.23 | 20 | 1.03 | 323 | 1 | 0.02 | 26 | 620 | 17 | <0.01 | <2 | 5 | 43 | <20 |
| CC42403 | | <1 | 0.28 | 20 | 0.76 | 262 | 1 | 0.02 | 31 | 680 | 55 | 0.06 | 3 | 4 | 44 | <20 |
| CC42404 | | <1 | 0.17 | 20 | 0.68 | 210 | 2 | 0.03 | 30 | 860 | 32 | 0.08 | <2 | 3 | 45 | <20 |
| CC42405 | | <1 | 0.36 | 20 | 0.79 | 349 | 2 | 0.01 | 31 | 550 | 346 | 0.08 | 8 | 4 | 49 | <20 |
| CC42406 | | <1 | 0.38 | 30 | 0.85 | 359 | 2 | 0.01 | 29 | 470 | 202 | 0.10 | 5 | 5 | 53 | <20 |
| CC42407 | | 1 | 0.32 | 20 | 1.00 | 338 | 3 | 0.01 | 31 | 610 | 261 | 0.08 | 4 | 5 | 38 | <20 |
| CC42408 | | <1 | 0.67 | 40 | 1.52 | 238 | 6 | 0.01 | 21 | 580 | 103 | 0.10 | <2 | 5 | 25 | <20 |
| CC42409 | | <1 | 0.53 | 30 | 1.04 | 247 | 3 | 0.01 | 26 | 560 | 90 | 0.11 | 4 | 5 | 25 | <20 |
| CC42410 | | 1 | 0.71 | 40 | 1.38 | 262 | 5 | 0.01 | 28 | 710 | 96 | 0.07 | <2 | 7 | 28 | 20 |
| CC42411 | | <1 | 0.31 | 20 | 0.85 | 243 | 3 | 0.02 | 19 | 820 | 65 | 0.09 | 2 | 3 | 25 | <20 |
| CC42412 | | <1 | 0.38 | 30 | 0.91 | 948 | 9 | 0.02 | 23 | 940 | 179 | 0.08 | 5 | 5 | 31 | <20 |
| CC42413 | | <1 | 0.17 | 20 | 0.48 | 291 | 27 | 0.02 | 19 | 980 | 218 | 0.07 | 4 | 3 | 25 | <20 |
| CC42414 | | <1 | 0.20 | 40 | 0.46 | 268 | 141 | 0.02 | 16 | 780 | 136 | 0.15 | <2 | 3 | 27 | <20 |
| CC42415 | | <1 | 0.16 | 30 | 0.53 | 652 | 55 | 0.02 | 24 | 1100 | 110 | 0.11 | <2 | 4 | 38 | <20 |
| CC42416 | | 1 | 0.15 | 20 | 1.08 | 300 | 2 | 0.01 | 18 | 680 | 525 | 0.01 | 4 | 4 | 23 | <20 |
| CC42417 | | <1 | 0.11 | 20 | 0.94 | 476 | 1 | 0.01 | 21 | 500 | 104 | <0.01 | <2 | 5 | 25 | <20 |
| CC42418 | | <1 | 0.19 | 10 | 0.84 | 767 | 2 | 0.01 | 33 | 880 | 61 | 0.06 | <2 | 4 | 28 | <20 |
| CC42419 | | <1 | 0.34 | 20 | 1.54 | 838 | 2 | 0.02 | 49 | 860 | 279 | 0.06 | <2 | 7 | 29 | <20 |
| CC42420 | | <1 | 0.30 | 20 | 1.11 | 515 | 2 | 0.02 | 32 | 580 | 56 | 0.04 | <2 | 5 | 25 | <20 |
| CC42421 | | <1 | 0.20 | 20 | 0.86 | 603 | 1 | 0.02 | 31 | 560 | 78 | 0.04 | <2 | 4 | 24 | <20 |
| CC42422 | | <1 | 0.20 | 20 | 0.92 | 484 | 1 | 0.02 | 36 | 620 | 76 | 0.02 | 3 | 4 | 31 | <20 |
| CC42423 | | <1 | 0.19 | 20 | 0.89 | 608 | 1 | 0.02 | 33 | 670 | 68 | 0.01 | <2 | 4 | 25 | <20 |
| CC42424 | | <1 | 0.20 | 30 | 0.75 | 647 | <1 | 0.02 | 28 | 650 | 162 | 0.03 | 2 | 4 | 25 | <20 |
| CC42425 | | <1 | 0.19 | 30 | 0.69 | 277 | 1 | 0.02 | 22 | 590 | 265 | 0.02 | <2 | 4 | 21 | <20 |
| CC42426 | | <1 | 0.12 | 30 | 0.58 | 472 | 1 | 0.02 | 19 | 770 | 167 | 0.03 | <2 | 3 | 25 | <20 |
| CC42427 | | <1 | 0.10 | 20 | 0.59 | 178 | 1 | 0.01 | 17 | 590 | 17 | 0.02 | <2 | 3 | 23 | <20 |
| CC42428 | | <1 | 0.02 | <10 | 0.04 | 31 | <1 | 0.03 | 1 | 120 | 2 | <0.01 | <2 | <1 | 7 | <20 |
| CC42429 | | <1 | 0.07 | 10 | 0.38 | 144 | 1 | 0.02 | 12 | 220 | 12 | 0.01 | <2 | 3 | 21 | <20 |
| CC42430 | | <1 | 0.23 | 20 | 0.81 | 415 | 1 | 0.02 | 17 | 680 | 48 | 0.05 | 2 | 4 | 52 | <20 |
| CC42431 | | <1 | 0.21 | 20 | 0.77 | 411 | 1 | 0.02 | 19 | 620 | 36 | 0.01 | 2 | 3 | 36 | <20 |
| CC42432 | | <1 | 0.18 | 20 | 0.93 | 564 | 2 | 0.01 | 21 | 1130 | 59 | 0.08 | <2 | 4 | 57 | <20 |
| CC42433 | | <1 | 0.27 | 20 | 1.16 | 341 | 1 | 0.01 | 31 | 470 | 19 | 0.01 | <2 | 5 | 53 | <20 |
| CC42434 | | 1 | 0.29 | 20 | 0.98 | 349 | <1 | 0.01 | 37 | 570 | 72 | 0.07 | 3 | 5 | 37 | <20 |
| CC42435 | | 1 | 0.40 | 20 | 0.92 | 363 | 2 | 0.01 | 35 | 580 | 573 | 0.23 | 16 | 5 | 42 | <20 |
| CC42436 | | 2 | 0.28 | 20 | 0.80 | 385 | <1 | <0.01 | 34 | 550 | 384 | 0.04 | 7 | 4 | 24 | <20 |
| CC42437 | | 1 | 0.41 | 30 | 1.19 | 355 | <1 | 0.01 | 32 | 550 | 91 | 0.10 | <2 | 5 | 43 | <20 |
| CC42438 | | <1 | 0.33 | 20 | 1.89 | 397 | <1 | <0.01 | 24 | 460 | 116 | 0.03 | <2 | 4 | 20 | <20 |

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Finalized : 30-OCT-2007
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## CERTIFICATE OF ANALYSIS VA07110746

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC42399 | | 0.12 | <10 | <10 | 64 | <10 | 106 |
| CC42400 | | 0.09 | <10 | <10 | 61 | <10 | 95 |
| CC42401 | | 0.09 | <10 | <10 | 53 | <10 | 90 |
| CC42402 | | 0.13 | <10 | <10 | 68 | <10 | 73 |
| CC42403 | | 0.10 | <10 | <10 | 57 | <10 | 62 |
| CC42404 | | 0.07 | <10 | <10 | 52 | <10 | 60 |
| CC42405 | | 0.13 | <10 | <10 | 75 | <10 | 201 |
| CC42406 | | 0.14 | <10 | <10 | 63 | <10 | 146 |
| CC42407 | | 0.12 | <10 | <10 | 55 | 10 | 164 |
| CC42408 | | 0.11 | <10 | <10 | 43 | 20 | 75 |
| CC42409 | | 0.10 | <10 | <10 | 47 | 10 | 80 |
| CC42410 | | 0.12 | <10 | <10 | 56 | <10 | 77 |
| CC42411 | | 0.08 | <10 | <10 | 50 | <10 | 61 |
| CC42412 | | 0.07 | <10 | <10 | 53 | <10 | 120 |
| CC42413 | | 0.05 | <10 | <10 | 50 | <10 | 123 |
| CC42414 | | 0.06 | <10 | <10 | 43 | 10 | 127 |
| CC42415 | | 0.05 | <10 | <10 | 57 | <10 | 138 |
| CC42416 | | 0.10 | <10 | <10 | 60 | <10 | 254 |
| CC42417 | | 0.11 | <10 | <10 | 66 | <10 | 155 |
| CC42418 | | 0.12 | <10 | <10 | 92 | <10 | 181 |
| CC42419 | | 0.15 | <10 | <10 | 97 | <10 | 290 |
| CC42420 | | 0.14 | <10 | <10 | 76 | <10 | 117 |
| CC42421 | | 0.12 | <10 | <10 | 74 | <10 | 144 |
| CC42422 | | 0.11 | <10 | <10 | 69 | <10 | 179 |
| CC42423 | | 0.12 | <10 | <10 | 67 | <10 | 177 |
| CC42424 | | 0.10 | <10 | <10 | 54 | <10 | 184 |
| CC42425 | | 0.10 | <10 | <10 | 46 | <10 | 165 |
| CC42426 | | 0.08 | <10 | <10 | 43 | <10 | 114 |
| CC42427 | | 0.07 | <10 | <10 | 47 | <10 | 63 |
| CC42428 | | 0.03 | <10 | <10 | 15 | <10 | 5 |
| CC42429 | | 0.07 | <10 | <10 | 51 | <10 | 40 |
| CC42430 | | 0.10 | <10 | <10 | 58 | <10 | 81 |
| CC42431 | | 0.11 | <10 | <10 | 56 | <10 | 82 |
| CC42432 | | 0.09 | <10 | <10 | 70 | <10 | 97 |
| CC42433 | | 0.14 | <10 | <10 | 74 | <10 | 80 |
| CC42434 | | 0.10 | <10 | <10 | 58 | 10 | 80 |
| CC42435 | | 0.09 | <10 | <10 | 57 | <10 | 149 |
| CC42436 | | 0.10 | <10 | <10 | 52 | <10 | 222 |
| CC42437 | | 0.13 | <10 | <10 | 46 | 10 | 95 |
| CC42438 | | 0.11 | <10 | <10 | 43 | <10 | 121 |

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Project: CONNAUGHT

# CERTIFICATE OF ANALYSIS VA07110746

| 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 |
| CC42439 | | 0.12 | 0.4 | 1.59 | 37 | <10 | 80 | 0.7 | 4 | 0.07 | <0.5 | 8 | 24 | 56 | 4.25 | 10 |
| CC42440 | | 0.40 | 0.8 | 2.40 | 50 | <10 | 130 | 1.0 | 6 | 0.15 | <0.5 | 12 | 35 | 80 | 4.32 | 10 |
| CC42441 | | 0.32 | 0.6 | 2.02 | 61 | <10 | 100 | 0.8 | 3 | 0.11 | <0.5 | 8 | 27 | 55 | 3.53 | 10 |
| CC42442 | | 0.46 | 1.2 | 2.66 | 82 | <10 | 160 | 1.2 | 3 | 0.14 | <0.5 | 14 | 31 | 53 | 4.19 | 10 |
| CC42443 | | 0.18 | 0.8 | 1.50 | 45 | <10 | 90 | 0.8 | 3 | 0.10 | 0.8 | 9 | 23 | 153 | 3.12 | 10 |
| CC42444 | | 0.32 | 3.3 | 2.65 | 26 | <10 | 120 | 1.0 | 10 | 0.13 | <0.5 | 14 | 39 | 109 | 4.44 | 10 |
| CC42445 | | 0.20 | 2.3 | 2.56 | 24 | <10 | 170 | 1.2 | 8 | 0.17 | 0.6 | 19 | 30 | 129 | 4.71 | 10 |
| CC42446 | | 0.10 | 1.4 | 1.32 | 21 | <10 | 100 | <0.5 | 3 | 0.12 | <0.5 | 3 | 20 | 24 | 2.14 | 10 |
| CC42447 | | 0.28 | 3.7 | 2.52 | 228 | <10 | 100 | 0.6 | 4 | 0.35 | 1.0 | 9 | 31 | 47 | 3.26 | 10 |
| CC42448 | | 0.24 | 0.5 | 2.46 | 42 | <10 | 130 | 0.6 | <2 | 0.18 | <0.5 | 6 | 32 | 23 | 3.18 | 10 |
| CC42449 | | 0.20 | 0.9 | 2.04 | 130 | <10 | 180 | 0.8 | 2 | 0.37 | 0.9 | 12 | 36 | 45 | 2.90 | 10 |
| CC42450 | | 0.22 | 1.5 | 2.61 | 68 | <10 | 250 | 0.5 | 3 | 0.32 | 0.5 | 17 | 100 | 70 | 4.11 | 10 |
| CC42451 | | 0.24 | 1.1 | 2.15 | 102 | <10 | 320 | 0.5 | 3 | 0.26 | 0.5 | 17 | 54 | 48 | 3.40 | 10 |
| CC42452 | | 0.24 | 0.5 | 1.96 | 153 | <10 | 160 | 0.6 | 2 | 0.24 | 0.8 | 17 | 57 | 38 | 3.58 | 10 |
| CC42453 | | 0.20 | 1.3 | 2.22 | 84 | <10 | 190 | 0.6 | 3 | 0.26 | 1.2 | 12 | 54 | 40 | 3.13 | 10 |
| CC42454 | | 0.30 | 1.1 | 2.14 | 128 | <10 | 140 | 0.6 | <2 | 0.25 | 0.9 | 15 | 51 | 35 | 3.61 | 10 |
| CC42455 | | 0.18 | 2.5 | 1.78 | 183 | <10 | 130 | 0.7 | 4 | 0.21 | 1.0 | 8 | 24 | 46 | 2.72 | 10 |
| CC42456 | | 0.16 | 1.5 | 1.81 | 139 | <10 | 140 | <0.5 | 5 | 0.17 | 0.8 | 9 | 30 | 29 | 2.70 | 10 |
| CC42457 | | 0.22 | 2.8 | 1.90 | 73 | <10 | 130 | <0.5 | 7 | 0.18 | 0.7 | 9 | 32 | 32 | 2.67 | 10 |
| CC42458 | | 0.18 | 3.5 | 1.81 | 103 | <10 | 120 | <0.5 | 9 | 0.18 | 1.1 | 11 | 28 | 28 | 2.84 | 10 |
| CC42459 | | 0.18 | 0.7 | 1.73 | 109 | <10 | 170 | 0.7 | 4 | 0.32 | 0.6 | 13 | 31 | 62 | 2.87 | 10 |
| CC42460 | | 0.22 | 0.2 | 1.97 | 15 | <10 | 140 | <0.5 | <2 | 0.11 | <0.5 | 7 | 37 | 19 | 2.66 | 10 |
| CC42461 | | 0.26 | 1.0 | 2.16 | 40 | <10 | 170 | 1.0 | 7 | 0.22 | <0.5 | 9 | 32 | 79 | 2.72 | 10 |
| CC42462 | | 0.20 | 1.5 | 2.44 | 35 | <10 | 230 | 1.3 | 13 | 0.45 | <0.5 | 13 | 44 | 172 | 3.30 | 10 |
| CC42463 | | 0.26 | 0.5 | 2.17 | 26 | <10 | 180 | 0.8 | 3 | 0.35 | <0.5 | 10 | 40 | 43 | 2.61 | 10 |
| CC42464 | | 0.24 | 0.9 | 2.86 | 43 | <10 | 210 | 1.3 | 4 | 0.47 | <0.5 | 17 | 47 | 50 | 3.42 | 10 |
| CC42465 | | 0.26 | 1.5 | 2.34 | 298 | <10 | 170 | 1.0 | 13 | 0.30 | <0.5 | 12 | 41 | 150 | 3.60 | 10 |
| CC42466 | | 0.20 | 1.2 | 2.40 | 242 | <10 | 180 | 0.8 | 6 | 0.23 | 0.9 | 10 | 44 | 93 | 3.36 | 10 |
| CC42467 | | 0.22 | 0.2 | 2.30 | 135 | <10 | 110 | 1.2 | 3 | 0.18 | 0.7 | 15 | 36 | 61 | 3.91 | 10 |
| CC42468 | | 0.24 | 0.3 | 3.22 | 60 | <10 | 100 | 1.2 | <2 | 0.20 | <0.5 | 10 | 39 | 52 | 3.82 | 10 |
| CC42469 | | 0.26 | 0.3 | 2.52 | 39 | <10 | 120 | 1.0 | 2 | 0.17 | <0.5 | 15 | 38 | 49 | 3.75 | 10 |
| CC42470 | | 0.28 | 0.2 | 2.52 | 47 | <10 | 100 | 1.3 | 3 | 0.16 | <0.5 | 32 | 39 | 57 | 4.09 | 10 |
| CC42471 | | 0.28 | 1.9 | 2.57 | 41 | <10 | 140 | 1.6 | 4 | 0.18 | <0.5 | 15 | 36 | 92 | 4.22 | 10 |
| CC42472 | | 0.24 | 0.2 | 1.88 | 45 | <10 | 110 | 0.6 | 3 | 0.09 | <0.5 | 7 | 25 | 32 | 4.75 | 10 |
| CC42473 | | 0.24 | 0.5 | 1.77 | 40 | <10 | 90 | 0.8 | 4 | 0.08 | 0.6 | 8 | 26 | 44 | 3.68 | 10 |
| CC42474 | | 0.24 | 3.3 | 3.25 | 19 | <10 | 150 | 1.1 | 6 | 0.17 | <0.5 | 13 | 41 | 131 | 4.03 | 10 |
| CC42475 | | 0.24 | 0.4 | 2.06 | 8 | <10 | 120 | 0.6 | 7 | 0.11 | <0.5 | 9 | 44 | 84 | 3.29 | 10 |
| CC42476 | | 0.26 | 0.2 | 0.58 | 8 | <10 | 20 | <0.5 | <2 | 0.09 | <0.5 | 3 | 6 | 7 | 1.18 | <10 |
| CC42477 | | 0.30 | 13.2 | 2.36 | 385 | <10 | 90 | 0.5 | 3 | 0.26 | 1.4 | 9 | 32 | 52 | 3.50 | 10 |
| CC42478 | | 0.18 | 0.7 | 2.46 | 117 | <10 | 100 | 0.8 | 3 | 0.20 | 0.7 | 11 | 34 | 37 | 3.43 | 10 |

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Project: CONNAUGHT



## CERTIFICATE OF ANALYSIS VA07110746

| 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 |
| CC42439 | | 1 | 0.22 | 20 | 0.64 | 231 | 10 | <0.01 | 15 | 480 | 55 | 0.09 | <2 | 3 | 14 | <20 |
| CC42440 | | 1 | 0.37 | 30 | 0.97 | 230 | 1 | <0.01 | 28 | 550 | 69 | 0.02 | <2 | 6 | 19 | <20 |
| CC42441 | | 1 | 0.28 | 30 | 0.69 | 151 | 1 | <0.01 | 17 | 570 | 51 | 0.03 | <2 | 5 | 14 | <20 |
| CC42442 | | 1 | 0.37 | 30 | 1.07 | 323 | 3 | <0.01 | 22 | 680 | 102 | 0.07 | 2 | 5 | 25 | <20 |
| CC42443 | | <1 | 0.15 | 20 | 0.33 | 189 | 23 | 0.01 | 19 | 640 | 99 | 0.10 | 3 | 3 | 17 | <20 |
| CC42444 | | <1 | 0.22 | 20 | 0.64 | 338 | 42 | <0.01 | 28 | 490 | 146 | 0.06 | 3 | 5 | 18 | <20 |
| CC42445 | | <1 | 0.27 | 40 | 0.60 | 865 | 158 | 0.01 | 23 | 870 | 134 | 0.13 | <2 | 5 | 25 | <20 |
| CC42446 | | <1 | 0.06 | 20 | 0.22 | 103 | 10 | <0.01 | 8 | 440 | 59 | 0.06 | <2 | 2 | 15 | <20 |
| CC42447 | | 1 | 0.16 | 10 | 1.30 | 534 | 1 | <0.01 | 20 | 630 | 546 | 0.02 | 4 | 4 | 28 | <20 |
| CC42448 | | <1 | 0.07 | 10 | 0.69 | 263 | <1 | <0.01 | 18 | 410 | 46 | 0.01 | <2 | 4 | 15 | <20 |
| CC42449 | | 1 | 0.11 | 20 | 0.71 | 1065 | 1 | 0.01 | 29 | 790 | 76 | 0.06 | <2 | 4 | 30 | <20 |
| CC42450 | | 1 | 0.34 | 20 | 1.45 | 618 | 1 | 0.01 | 51 | 680 | 85 | 0.08 | <2 | 5 | 28 | <20 |
| CC42451 | | 1 | 0.19 | 20 | 0.91 | 671 | <1 | <0.01 | 32 | 580 | 92 | 0.05 | 2 | 4 | 24 | <20 |
| CC42452 | | 1 | 0.24 | 20 | 0.94 | 822 | <1 | 0.01 | 38 | 630 | 109 | 0.06 | 3 | 4 | 26 | <20 |
| CC42453 | | <1 | 0.18 | 30 | 0.86 | 530 | <1 | <0.01 | 33 | 680 | 78 | 0.06 | <2 | 4 | 26 | <20 |
| CC42454 | | <1 | 0.29 | 30 | 0.87 | 609 | <1 | <0.01 | 36 | 600 | 145 | 0.03 | <2 | 4 | 24 | <20 |
| CC42455 | | <1 | 0.10 | 60 | 0.42 | 287 | <1 | 0.01 | 21 | 770 | 710 | 0.09 | <2 | 3 | 25 | <20 |
| CC42456 | | 1 | 0.08 | 20 | 0.54 | 410 | <1 | 0.01 | 21 | 550 | 101 | 0.05 | <2 | 3 | 20 | <20 |
| CC42457 | | <1 | 0.10 | 20 | 0.62 | 244 | <1 | <0.01 | 21 | 600 | 138 | 0.04 | <2 | 3 | 17 | <20 |
| CC42458 | | 1 | 0.12 | 20 | 0.61 | 281 | <1 | <0.01 | 19 | 420 | 168 | 0.02 | <2 | 3 | 18 | <20 |
| CC42459 | | 1 | 0.11 | 20 | 0.70 | 541 | 11 | <0.01 | 23 | 720 | 111 | 0.05 | 2 | 3 | 27 | <20 |
| CC42460 | | 1 | 0.09 | 20 | 0.66 | 221 | <1 | <0.01 | 21 | 300 | 19 | 0.02 | <2 | 4 | 9 | <20 |
| CC42461 | | <1 | 0.13 | 20 | 0.70 | 277 | <1 | 0.01 | 15 | 630 | 68 | 0.05 | <2 | 3 | 23 | <20 |
| CC42462 | | <1 | 0.23 | 30 | 0.94 | 595 | 1 | 0.01 | 26 | 910 | 63 | 0.10 | <2 | 4 | 54 | <20 |
| CC42463 | | 1 | 0.18 | 20 | 0.88 | 324 | <1 | 0.01 | 22 | 640 | 27 | 0.05 | <2 | 4 | 49 | <20 |
| CC42464 | | 1 | 0.21 | 20 | 1.07 | 612 | 1 | 0.01 | 30 | 780 | 35 | 0.08 | <2 | 5 | 55 | <20 |
| CC42465 | | 1 | 0.32 | 20 | 0.94 | 381 | <1 | 0.01 | 36 | 500 | 84 | 0.13 | 3 | 5 | 45 | <20 |
| CC42466 | | <1 | 0.22 | 20 | 0.88 | 424 | 1 | 0.01 | 27 | 610 | 122 | 0.09 | 3 | 4 | 32 | <20 |
| CC42467 | | <1 | 0.31 | 20 | 0.81 | 475 | 1 | 0.01 | 32 | 490 | 88 | 0.06 | 3 | 5 | 23 | <20 |
| CC42468 | | <1 | 0.15 | 20 | 0.86 | 237 | <1 | <0.01 | 31 | 490 | 53 | 0.06 | 3 | 4 | 21 | <20 |
| CC42469 | | 1 | 0.31 | 20 | 1.09 | 354 | 3 | <0.01 | 29 | 530 | 68 | 0.05 | <2 | 5 | 16 | <20 |
| CC42470 | | 1 | 0.45 | 20 | 1.17 | 535 | 5 | 0.03 | 38 | 640 | 99 | 0.06 | 2 | 5 | 15 | <20 |
| CC42471 | | 1 | 0.55 | 40 | 0.99 | 228 | 2 | 0.03 | 30 | 680 | 68 | 0.05 | <2 | 6 | 21 | 20 |
| CC42472 | | <1 | 0.19 | 30 | 0.58 | 228 | 2 | 0.03 | 16 | 380 | 54 | 0.06 | 2 | 3 | 15 | <20 |
| CC42473 | | <1 | 0.11 | 20 | 0.30 | 328 | 4 | 0.02 | 15 | 310 | 99 | 0.04 | 2 | 3 | 11 | <20 |
| CC42474 | | <1 | 0.07 | 10 | 0.53 | 344 | 1 | 0.03 | 28 | 400 | 84 | 0.05 | 2 | 4 | 20 | <20 |
| CC42475 | | <1 | 0.13 | 10 | 0.47 | 300 | 8 | 0.03 | 19 | 520 | 77 | 0.06 | <2 | 3 | 17 | <20 |
| CC42476 | | <1 | 0.02 | <10 | 0.08 | 68 | <1 | 0.04 | 3 | 300 | 7 | 0.02 | <2 | <1 | 9 | <20 |
| CC42477 | | 1 | 0.12 | 10 | 1.30 | 384 | <1 | 0.03 | 21 | 530 | 1860 | 0.03 | 8 | 4 | 19 | <20 |
| CC42478 | | <1 | 0.10 | 10 | 0.81 | 429 | <1 | 0.02 | 22 | 320 | 124 | 0.03 | 2 | 4 | 19 | <20 |

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Finalized L : 30-OCT-2007
Account: RCM

Project: CONNAUGHT

## CERTIFICATE OF ANALYSIS VA07110746

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC42439 | | 0.10 | <10 | <10 | 51 | <10 | 57 |
| CC42440 | | 0.10 | <10 | <10 | 46 | <10 | 71 |
| CC42441 | | 0.07 | <10 | <10 | 39 | <10 | 50 |
| CC42442 | | 0.09 | <10 | <10 | 46 | <10 | 73 |
| CC42443 | | 0.06 | <10 | <10 | 46 | 10 | 136 |
| CC42444 | | 0.09 | <10 | <10 | 61 | 10 | 139 |
| CC42445 | | 0.08 | <10 | <10 | 52 | 10 | 126 |
| CC42446 | | 0.06 | <10 | <10 | 46 | <10 | 39 |
| CC42447 | | 0.11 | <10 | <10 | 59 | <10 | 344 |
| CC42448 | | 0.09 | <10 | <10 | 63 | <10 | 76 |
| CC42449 | | 0.07 | <10 | <10 | 56 | <10 | 165 |
| CC42450 | | 0.15 | <10 | <10 | 90 | <10 | 167 |
| CC42451 | | 0.11 | <10 | <10 | 70 | <10 | 113 |
| CC42452 | | 0.11 | <10 | <10 | 64 | <10 | 154 |
| CC42453 | | 0.10 | <10 | <10 | 63 | <10 | 168 |
| CC42454 | | 0.13 | <10 | <10 | 57 | <10 | 189 |
| CC42455 | | 0.07 | <10 | <10 | 35 | <10 | 146 |
| CC42456 | | 0.08 | <10 | <10 | 45 | <10 | 107 |
| CC42457 | | 0.08 | <10 | <10 | 45 | <10 | 145 |
| CC42458 | | 0.10 | <10 | <10 | 43 | <10 | 150 |
| CC42459 | | 0.07 | <10 | <10 | 46 | <10 | 136 |
| CC42460 | | 0.09 | <10 | <10 | 53 | <10 | 65 |
| CC42461 | | 0.09 | <10 | <10 | 53 | <10 | 81 |
| CC42462 | | 0.10 | <10 | <10 | 64 | <10 | 98 |
| CC42463 | | 0.11 | <10 | <10 | 55 | <10 | 70 |
| CC42464 | | 0.12 | <10 | <10 | 70 | <10 | 95 |
| CC42465 | | 0.11 | <10 | <10 | 57 | <10 | 118 |
| CC42466 | | 0.10 | <10 | <10 | 67 | <10 | 102 |
| CC42467 | | 0.11 | <10 | <10 | 51 | <10 | 117 |
| CC42468 | | 0.10 | <10 | <10 | 55 | <10 | 72 |
| CC42469 | | 0.11 | <10 | <10 | 51 | <10 | 66 |
| CC42470 | | 0.09 | <10 | <10 | 48 | <10 | 78 |
| CC42471 | | 0.10 | <10 | <10 | 44 | <10 | 70 |
| CC42472 | | 0.14 | <10 | <10 | 76 | <10 | 53 |
| CC42473 | | 0.08 | <10 | <10 | 56 | <10 | 126 |
| CC42474 | | 0.10 | <10 | <10 | 62 | 10 | 81 |
| CC42475 | | 0.08 | <10 | <10 | 61 | <10 | 63 |
| CC42476 | | 0.05 | <10 | <10 | 28 | <10 | 22 |
| CC42477 | | 0.11 | <10 | <10 | 74 | <10 | 283 |
| CC42478 | | 0.09 | <10 | <10 | 62 | <10 | 175 |

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VANCOUVER BC V6B 1L8

Project: CONNAUGHT



# CERTIFICATE OF ANALYSIS VA07110746

| 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 |
| CC42479 | | 0.22 | 0.6 | 2.76 | 227 | <10 | 140 | 1.2 | 2 | 0.16 | 0.8 | 16 | 43 | 65 | 4.42 | 10 |
| CC42480 | | 0.20 | 1.2 | 2.60 | 98 | <10 | 230 | 0.7 | 6 | 0.20 | <0.5 | 13 | 86 | 67 | 5.10 | 10 |
| CC42481 | | 0.34 | 0.8 | 2.11 | 98 | <10 | 200 | <0.5 | 3 | 0.24 | <0.5 | 12 | 51 | 39 | 3.19 | 10 |
| CC42482 | | 0.18 | 0.8 | 2.12 | 115 | <10 | 180 | 0.5 | 2 | 0.28 | 0.9 | 11 | 59 | 36 | 3.47 | 10 |
| CC42483 | | 0.16 | 1.4 | 1.82 | 226 | <10 | 130 | 0.5 | 2 | 0.23 | 1.2 | 10 | 49 | 37 | 2.98 | 10 |
| CC42484 | | 0.16 | 0.8 | 1.37 | 34 | <10 | 80 | <0.5 | <2 | 0.11 | 0.7 | 5 | 27 | 21 | 2.06 | 10 |
| CC42485 | | 0.20 | 2.1 | 1.82 | 200 | <10 | 100 | 0.6 | 7 | 0.21 | 0.7 | 9 | 29 | 40 | 3.01 | 10 |
| CC42486 | | 0.24 | 1.2 | 1.99 | 135 | <10 | 120 | 0.5 | 3 | 0.18 | 0.5 | 10 | 37 | 32 | 3.16 | 10 |
| CC42487 | | 0.32 | 2.8 | 1.92 | 106 | <10 | 120 | <0.5 | 8 | 0.22 | 1.1 | 12 | 35 | 42 | 3.25 | 10 |
| CC42488 | | 0.18 | 3.8 | 1.84 | 110 | <10 | 110 | <0.5 | 11 | 0.20 | 0.5 | 17 | 30 | 48 | 3.39 | 10 |
| CC42489 | | 0.16 | 2.1 | 2.21 | 143 | <10 | 120 | 0.7 | 13 | 0.18 | <0.5 | 18 | 33 | 59 | 4.00 | 10 |
| CC42490 | | 0.10 | 1.5 | 1.67 | 52 | <10 | 100 | <0.5 | 7 | 0.14 | 0.6 | 9 | 25 | 32 | 2.63 | 10 |
| CC42491 | | 0.24 | 0.8 | 1.82 | 67 | <10 | 160 | 0.5 | 4 | 0.25 | <0.5 | 8 | 29 | 49 | 2.58 | 10 |
| CC42492 | | 0.26 | 0.9 | 2.01 | 37 | <10 | 160 | 0.8 | 11 | 0.34 | 0.5 | 13 | 30 | 71 | 2.78 | 10 |
| CC42493 | | 0.38 | 0.9 | 2.07 | 39 | <10 | 170 | 0.8 | 9 | 0.33 | <0.5 | 11 | 34 | 80 | 2.73 | 10 |
| CC42494 | | 0.30 | 0.5 | 1.92 | 31 | <10 | 170 | 0.8 | 8 | 0.31 | <0.5 | 11 | 30 | 55 | 2.61 | 10 |
| CC42495 | | 0.28 | 0.9 | 2.15 | 44 | <10 | 150 | 0.9 | 3 | 0.32 | <0.5 | 10 | 30 | 40 | 2.66 | 10 |
| CC42496 | | 0.22 | 2.8 | 2.68 | 269 | <10 | 220 | 1.2 | 11 | 0.31 | <0.5 | 9 | 45 | 146 | 3.57 | 10 |
| CC42497 | | 0.22 | 1.0 | 1.91 | 259 | <10 | 100 | 0.9 | 6 | 0.18 | 0.5 | 7 | 34 | 99 | 3.85 | 10 |
| CC42498 | | 0.24 | 1.4 | 2.16 | 265 | <10 | 110 | 1.4 | 8 | 0.26 | 1.2 | 14 | 43 | 123 | 4.07 | 10 |
| CC42499 | | 0.18 | 0.9 | 2.75 | 172 | <10 | 70 | 1.2 | 5 | 0.12 | 1.5 | 11 | 34 | 66 | 3.98 | 10 |
| CC42500 | | 0.14 | 0.4 | 2.31 | 33 | <10 | 110 | 0.8 | 2 | 0.17 | <0.5 | 14 | 34 | 30 | 3.99 | 10 |
| CC42501 | | 0.24 | 0.3 | 2.66 | 26 | <10 | 90 | 0.9 | 2 | 0.11 | <0.5 | 12 | 34 | 36 | 3.71 | 10 |
| CC42502 | | 0.22 | 0.8 | 2.34 | 40 | <10 | 120 | 1.0 | 4 | 0.16 | <0.5 | 16 | 35 | 40 | 3.89 | 10 |
| CC42503 | | 0.28 | 0.6 | 3.28 | 39 | <10 | 110 | 1.0 | <2 | 0.09 | <0.5 | 8 | 33 | 28 | 4.59 | 10 |
| CC42504 | | 0.22 | 0.2 | 1.60 | 14 | <10 | 90 | 0.6 | 2 | 0.11 | <0.5 | 7 | 25 | 44 | 3.47 | 10 |
| CC42505 | | 0.26 | 1.1 | 1.80 | 10 | <10 | 120 | 0.5 | 8 | 0.09 | <0.5 | 4 | 33 | 63 | 2.26 | 10 |
| CC42506 | | 0.24 | 0.7 | 1.93 | 16 | <10 | 200 | 0.9 | 9 | 0.21 | <0.5 | 12 | 49 | 94 | 3.97 | 10 |
| CC42507 | | 0.16 | 0.6 | 0.78 | 22 | <10 | 70 | <0.5 | <2 | 0.09 | <0.5 | 2 | 10 | 24 | 1.19 | <10 |
| CC42508 | | 0.28 | 1.9 | 2.41 | 137 | <10 | 100 | 0.6 | 2 | 0.26 | 1.0 | 10 | 44 | 46 | 3.06 | 10 |
| CC42509 | | 0.22 | 1.1 | 2.54 | 61 | <10 | 150 | 0.8 | 3 | 0.28 | 0.5 | 10 | 29 | 31 | 3.07 | 10 |
| CC42510 | | 0.20 | 0.6 | 2.11 | 229 | <10 | 120 | 0.8 | 2 | 0.14 | 0.9 | 12 | 29 | 42 | 3.98 | 10 |
| CC42511 | | 0.26 | 3.2 | 2.91 | 519 | <10 | 380 | 0.8 | 12 | 0.27 | 0.5 | 11 | 88 | 87 | 4.87 | 10 |
| CC42512 | | 0.26 | 1.0 | 2.65 | 140 | <10 | 210 | 0.8 | 4 | 0.29 | <0.5 | 16 | 86 | 48 | 3.97 | 10 |
| CC42513 | | 0.32 | 0.9 | 2.70 | 83 | <10 | 170 | 0.8 | 2 | 0.22 | 0.5 | 10 | 86 | 50 | 3.27 | 10 |
| CC42514 | | 0.18 | 2.3 | 2.34 | 225 | <10 | 170 | 0.9 | 2 | 0.32 | 1.0 | 17 | 65 | 50 | 3.64 | 10 |
| CC42515 | | 0.20 | 0.4 | 1.25 | 48 | <10 | 80 | <0.5 | 3 | 0.11 | 1.1 | 6 | 26 | 17 | 2.22 | 10 |
| CC42516 | | 0.18 | 1.6 | 2.86 | 244 | <10 | 220 | 0.9 | 5 | 0.27 | 1.4 | 14 | 50 | 50 | 4.32 | 10 |
| CC42517 | | 0.26 | 1.6 | 2.23 | 96 | <10 | 140 | 0.5 | 4 | 0.19 | 1.0 | 10 | 40 | 32 | 2.82 | 10 |
| CC42518 | | 0.18 | 6.5 | 2.11 | 121 | <10 | 120 | 0.5 | 16 | 0.19 | 0.9 | 7 | 34 | 34 | 3.38 | 10 |

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# CERTIFICATE OF ANALYSIS VA07110746

| 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 |
| CC42479 | | 1 | 0.22 | 30 | 0.92 | 943 | 1 | 0.01 | 34 | 800 | 69 | 0.09 | 5 | 4 | 23 | <20 |
| CC42480 | | <1 | 0.38 | 20 | 1.22 | 577 | 1 | 0.01 | 37 | 570 | 80 | 0.11 | 2 | 5 | 21 | <20 |
| CC42481 | | <1 | 0.16 | 10 | 0.93 | 308 | <1 | 0.01 | 32 | 670 | 77 | 0.04 | <2 | 5 | 19 | <20 |
| CC42482 | | <1 | 0.28 | 20 | 1.03 | 466 | <1 | 0.02 | 33 | 590 | 71 | 0.07 | <2 | 4 | 29 | <20 |
| CC42483 | | 1 | 0.16 | 30 | 0.68 | 387 | <1 | 0.02 | 30 | 620 | 137 | 0.08 | 4 | 3 | 25 | <20 |
| CC42484 | | 1 | 0.09 | 20 | 0.34 | 147 | <1 | 0.02 | 17 | 520 | 81 | 0.06 | <2 | 2 | 14 | <20 |
| CC42485 | | 1 | 0.19 | 30 | 0.55 | 374 | <1 | 0.02 | 23 | 640 | 495 | 0.08 | <2 | 3 | 23 | <20 |
| CC42486 | | 1 | 0.09 | 20 | 0.63 | 545 | <1 | 0.02 | 26 | 600 | 84 | 0.06 | <2 | 3 | 19 | <20 |
| CC42487 | | <1 | 0.15 | 20 | 0.72 | 440 | <1 | 0.01 | 24 | 670 | 176 | 0.05 | 3 | 4 | 19 | <20 |
| CC42488 | | <1 | 0.20 | 20 | 0.72 | 640 | <1 | 0.01 | 24 | 620 | 186 | 0.06 | 2 | 3 | 21 | <20 |
| CC42489 | | <1 | 0.24 | 20 | 0.75 | 607 | <1 | 0.01 | 26 | 600 | 189 | 0.04 | <2 | 4 | 16 | <20 |
| CC42490 | | 1 | 0.12 | 10 | 0.52 | 242 | <1 | 0.02 | 17 | 400 | 75 | 0.04 | <2 | 3 | 15 | <20 |
| CC42491 | | <1 | 0.08 | 20 | 0.66 | 255 | 5 | 0.02 | 20 | 610 | 86 | 0.05 | 3 | 3 | 22 | <20 |
| CC42492 | | <1 | 0.16 | 10 | 0.69 | 558 | 1 | 0.02 | 18 | 590 | 55 | 0.06 | <2 | 3 | 31 | <20 |
| CC42493 | | <1 | 0.21 | 20 | 0.84 | 372 | <1 | 0.02 | 20 | 640 | 55 | 0.06 | <2 | 4 | 38 | <20 |
| CC42494 | | <1 | 0.16 | 20 | 0.73 | 557 | <1 | 0.02 | 18 | 660 | 43 | 0.05 | <2 | 4 | 32 | <20 |
| CC42495 | | <1 | 0.13 | 20 | 0.76 | 487 | <1 | 0.02 | 20 | 670 | 169 | 0.06 | <2 | 3 | 32 | <20 |
| CC42496 | | 1 | 0.24 | 20 | 0.82 | 301 | 1 | 0.02 | 32 | 890 | 83 | 0.13 | 2 | 4 | 43 | <20 |
| CC42497 | | <1 | 0.19 | 20 | 0.69 | 315 | 2 | 0.01 | 24 | 330 | 127 | 0.06 | 5 | 4 | 36 | <20 |
| CC42498 | | <1 | 0.32 | 20 | 0.88 | 485 | 2 | 0.01 | 34 | 760 | 247 | 0.09 | 11 | 4 | 46 | <20 |
| CC42499 | | 1 | 0.14 | 10 | 0.62 | 309 | 1 | 0.01 | 27 | 740 | 96 | 0.06 | 6 | 4 | 18 | <20 |
| CC42500 | | 1 | 0.14 | 10 | 0.72 | 473 | <1 | 0.01 | 26 | 470 | 37 | 0.04 | <2 | 4 | 16 | <20 |
| CC42501 | | 1 | 0.15 | 20 | 0.65 | 274 | <1 | 0.01 | 26 | 490 | 35 | 0.04 | <2 | 4 | 12 | <20 |
| CC42502 | | 1 | 0.38 | 30 | 1.04 | 433 | 2 | 0.01 | 26 | 650 | 57 | 0.07 | 3 | 4 | 17 | <20 |
| CC42503 | | <1 | 0.16 | 20 | 1.06 | 279 | 1 | 0.01 | 22 | 540 | 45 | 0.06 | <2 | 4 | 12 | <20 |
| CC42504 | | <1 | 0.14 | 20 | 0.38 | 166 | 4 | 0.01 | 17 | 420 | 74 | 0.04 | <2 | 3 | 12 | <20 |
| CC42505 | | 1 | 0.06 | 10 | 0.26 | 154 | 1 | 0.01 | 14 | 260 | 59 | 0.04 | <2 | 3 | 10 | <20 |
| CC42506 | | <1 | 0.25 | 40 | 0.68 | 466 | 20 | <0.01 | 23 | 850 | 71 | 0.15 | 2 | 5 | 30 | <20 |
| CC42507 | | <1 | 0.06 | 20 | 0.12 | 78 | 7 | <0.01 | 6 | 580 | 48 | 0.05 | <2 | <1 | 12 | <20 |
| CC42508 | | <1 | 0.13 | 10 | 1.41 | 420 | 1 | <0.01 | 26 | 630 | 341 | <0.01 | 2 | 4 | 18 | <20 |
| CC42509 | | 1 | 0.08 | 10 | 0.62 | 282 | 2 | <0.01 | 22 | 440 | 49 | <0.01 | 2 | 4 | 28 | <20 |
| CC42510 | | 1 | 0.17 | 20 | 0.65 | 810 | 2 | <0.01 | 26 | 500 | 88 | 0.02 | 6 | 3 | 17 | <20 |
| CC42511 | | <1 | 0.63 | 20 | 1.59 | 684 | 3 | <0.01 | 38 | 820 | 257 | 0.12 | 3 | 6 | 31 | <20 |
| CC42512 | | <1 | 0.35 | 20 | 1.38 | 620 | 2 | <0.01 | 47 | 700 | 101 | 0.02 | 4 | 6 | 29 | <20 |
| CC42513 | | 1 | 0.22 | 30 | 1.14 | 342 | 1 | <0.01 | 41 | 570 | 92 | 0.02 | <2 | 5 | 23 | <20 |
| CC42514 | | <1 | 0.18 | 30 | 0.84 | 769 | 2 | <0.01 | 43 | 830 | 179 | 0.06 | 5 | 4 | 31 | <20 |
| CC42515 | | 1 | 0.10 | 20 | 0.40 | 216 | 1 | 0.01 | 17 | 350 | 46 | 0.02 | <2 | 2 | 14 | <20 |
| CC42516 | | 2 | 0.25 | 70 | 0.81 | 551 | 2 | 0.03 | 43 | 820 | 209 | 0.10 | 2 | 6 | 37 | <20 |
| CC42517 | | <1 | 0.12 | 20 | 0.68 | 418 | 1 | 0.02 | 26 | 660 | 101 | 0.05 | <2 | 3 | 22 | <20 |
| CC42518 | | <1 | 0.24 | 30 | 0.72 | 282 | 1 | 0.02 | 23 | 380 | 187 | 0.04 | 4 | 4 | 26 | <20 |

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VANCOUVER BC V6B 1L8


Finalized : 30-OCT-2007
Account: RCM

Project: CONNAUGHT

## CERTIFICATE OF ANALYSIS VA07110746

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC42479 | | 0.09 | <10 | <10 | 62 | <10 | 207 |
| CC42480 | | 0.16 | <10 | <10 | 82 | <10 | 111 |
| CC42481 | | 0.12 | <10 | <10 | 62 | <10 | 119 |
| CC42482 | | 0.13 | <10 | <10 | 72 | <10 | 133 |
| CC42483 | | 0.10 | <10 | <10 | 61 | <10 | 159 |
| CC42484 | | 0.07 | <10 | <10 | 40 | <10 | 68 |
| CC42485 | | 0.10 | <10 | <10 | 45 | <10 | 189 |
| CC42486 | | 0.08 | <10 | <10 | 59 | <10 | 118 |
| CC42487 | | 0.10 | <10 | <10 | 46 | <10 | 198 |
| CC42488 | | 0.10 | <10 | <10 | 47 | <10 | 120 |
| CC42489 | | 0.13 | <10 | <10 | 50 | <10 | 130 |
| CC42490 | | 0.10 | <10 | <10 | 43 | <10 | 89 |
| CC42491 | | 0.08 | <10 | <10 | 46 | <10 | 105 |
| CC42492 | | 0.09 | <10 | <10 | 51 | <10 | 101 |
| CC42493 | | 0.11 | <10 | <10 | 51 | <10 | 83 |
| CC42494 | | 0.10 | <10 | <10 | 52 | <10 | 78 |
| CC42495 | | 0.09 | <10 | <10 | 53 | <10 | 76 |
| CC42496 | | 0.09 | <10 | <10 | 57 | <10 | 85 |
| CC42497 | | 0.12 | <10 | <10 | 62 | 20 | 97 |
| CC42498 | | 0.10 | <10 | <10 | 55 | 10 | 159 |
| CC42499 | | 0.07 | <10 | <10 | 48 | <10 | 190 |
| CC42500 | | 0.11 | <10 | <10 | 64 | <10 | 64 |
| CC42501 | | 0.10 | <10 | <10 | 59 | <10 | 54 |
| CC42502 | | 0.10 | <10 | <10 | 53 | <10 | 61 |
| CC42503 | | 0.11 | <10 | <10 | 67 | <10 | 53 |
| CC42504 | | 0.09 | <10 | <10 | 59 | <10 | 64 |
| CC42505 | | 0.08 | <10 | <10 | 60 | <10 | 38 |
| CC42506 | | 0.09 | <10 | <10 | 55 | <10 | 85 |
| CC42507 | | 0.03 | <10 | <10 | 22 | <10 | 33 |
| CC42508 | | 0.11 | <10 | <10 | 67 | <10 | 258 |
| CC42509 | | 0.08 | <10 | <10 | 57 | <10 | 101 |
| CC42510 | | 0.07 | <10 | <10 | 46 | <10 | 236 |
| CC42511 | | 0.20 | <10 | <10 | 100 | <10 | 168 |
| CC42512 | | 0.14 | <10 | <10 | 84 | <10 | 164 |
| CC42513 | | 0.13 | <10 | <10 | 72 | <10 | 132 |
| CC42514 | | 0.09 | <10 | <10 | 66 | <10 | 193 |
| CC42515 | | 0.09 | <10 | <10 | 49 | <10 | 78 |
| CC42516 | | 0.12 | <10 | <10 | 66 | <10 | 183 |
| CC42517 | | 0.09 | <10 | <10 | 52 | <10 | 159 |
| CC42518 | | 0.14 | <10 | <10 | 56 | <10 | 111 |

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Finalized L . 30-OCT-2007
Account: RCM

Project: CONNAUGHT

## CERTIFICATE OF ANALYSIS VA07110746

| 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 |
| CC42519 | | 0.38 | 3.7 | 2.02 | 96 | <10 | 100 | <0.5 | 11 | 0.19 | 0.6 | 6 | 35 | 44 | 3.54 | 10 |
| CC42520 | | 0.22 | 1.1 | 1.44 | 39 | <10 | 70 | <0.5 | 6 | 0.14 | <0.5 | 10 | 24 | 31 | 2.56 | 10 |
| CC42521 | | 0.16 | 0.5 | 0.19 | <2 | <10 | 10 | <0.5 | 2 | 0.03 | <0.5 | 1 | 3 | 4 | 0.48 | <10 |
| CC42522 | | 0.30 | 1.5 | 2.02 | 52 | <10 | 130 | 0.6 | 5 | 0.21 | 0.6 | 8 | 29 | 28 | 2.60 | 10 |

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Project: CONNAUGHT



# CERTIFICATE OF ANALYSIS VA07110746

| 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 |
| CC42519 | | <1 | 0.26 | 20 | 0.69 | 210 | 1 | 0.02 | 22 | 530 | 140 | 0.03 | <2 | 5 | 19 | <20 |
| CC42520 | | <1 | 0.13 | 10 | 0.46 | 370 | <1 | 0.02 | 16 | 410 | 72 | 0.03 | <2 | 2 | 16 | <20 |
| CC42521 | | 2 | 0.02 | <10 | 0.02 | 26 | <1 | 0.03 | 2 | 210 | 8 | 0.01 | <2 | <1 | 6 | <20 |
| CC42522 | | <1 | 0.13 | 30 | 0.61 | 203 | 1 | 0.02 | 21 | 540 | 99 | 0.03 | <2 | 3 | 20 | <20 |

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Finalized Date: 30-OCT-2007
Account: RCM

Project: CONNAUGHT

## CERTIFICATE OF ANALYSIS VA07110746

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC42519 | | 0.13 | <10 | <10 | 48 | <10 | 97 |
| CC42520 | | 0.10 | <10 | <10 | 39 | <10 | 75 |
| CC42521 | | 0.03 | <10 | <10 | 12 | <10 | 10 |
| CC42522 | | 0.09 | <10 | <10 | 41 | <10 | 104 |

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Finalized [illegible] 21-OCT-2007
Account: RCM

## CERTIFICATE VA07109376

Project: CONNAUGHT - GRID A and GRID B

P.O. No.:

This report is for 219 Soil samples submitted to our lab in Vancouver, BC, Canada on 13-SEP-2007.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| AL ARCHER<br>BILL WENGZYNOWSKI | DOUG EATON | JOAN MARIACHER |

## 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 |
|---|---|---|
| ME-ICP41 | 35 Element Aqua Regia ICP-AES | ICP-AES |

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

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

**Signature:** Lawrence Ng

Lawrence Ng, Laboratory Manager - Vancouver

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Project: CONNAUGHT - GRID A and GRID B

## CERTIFICATE OF ANALYSIS VA07109376

| 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 |
| CC41891 | | 0.28 | 0.7 | 1.53 | 116 | <10 | 130 | 0.5 | 4 | 0.22 | 0.6 | 10 | 24 | 48 | 2.20 | <10 |
| CC41892 | | 0.26 | 0.5 | 1.48 | 59 | <10 | 100 | 0.5 | 6 | 0.21 | 0.7 | 9 | 26 | 57 | 2.41 | <10 |
| CC41893 | | 0.20 | 0.4 | 1.22 | 26 | <10 | 80 | <0.5 | 5 | 0.10 | 0.5 | 5 | 21 | 35 | 1.65 | 10 |
| CC41894 | | 0.28 | 0.9 | 2.00 | 10 | <10 | 190 | 0.5 | <2 | 0.16 | <0.5 | 7 | 27 | 23 | 2.57 | 10 |
| CC41895 | | 0.30 | 0.4 | 1.57 | 6 | <10 | 190 | <0.5 | 2 | 0.31 | <0.5 | 8 | 26 | 23 | 2.18 | <10 |
| CC41896 | | 0.18 | 0.2 | 1.02 | 3 | <10 | 110 | <0.5 | <2 | 0.18 | 1.1 | 4 | 21 | 14 | 1.58 | <10 |
| CC41897 | | 0.18 | 0.2 | 1.64 | 4 | <10 | 180 | 0.5 | 2 | 0.29 | <0.5 | 6 | 29 | 22 | 2.31 | <10 |
| CC41898 | | 0.18 | 0.2 | 1.85 | 7 | <10 | 210 | <0.5 | 2 | 0.31 | <0.5 | 8 | 32 | 21 | 2.68 | 10 |
| CC41899 | | 0.18 | 0.4 | 1.47 | 6 | <10 | 180 | <0.5 | <2 | 0.21 | <0.5 | 7 | 22 | 19 | 2.25 | <10 |
| CC41900 | | 0.22 | 0.3 | 1.68 | 5 | <10 | 210 | 0.5 | <2 | 0.33 | <0.5 | 8 | 23 | 30 | 2.47 | <10 |
| CC41901 | | 0.32 | <0.2 | 1.40 | 6 | <10 | 150 | <0.5 | <2 | 0.21 | <0.5 | 7 | 21 | 17 | 2.41 | <10 |
| CC41902 | | 0.26 | <0.2 | 1.55 | 5 | <10 | 190 | <0.5 | <2 | 0.26 | <0.5 | 8 | 24 | 19 | 2.57 | <10 |
| CC41903 | | 0.24 | 1.4 | 1.82 | 217 | <10 | 100 | 1.4 | 10 | 0.24 | <0.5 | 6 | 20 | 116 | 2.19 | <10 |
| CC41904 | | 0.16 | 2.1 | 0.76 | 219 | <10 | 90 | 0.5 | 7 | 0.15 | 0.5 | 2 | 8 | 57 | 1.48 | <10 |
| CC41905 | | 0.22 | 4.3 | 2.44 | 546 | <10 | 260 | 1.1 | 22 | 0.13 | <0.5 | 9 | 34 | 128 | 2.81 | 10 |
| CC41906 | | 0.24 | 2.3 | 2.80 | 277 | <10 | 460 | 1.1 | 14 | 0.18 | <0.5 | 10 | 54 | 86 | 2.81 | 10 |
| CC41907 | | 0.18 | 0.4 | 3.37 | 70 | <10 | 190 | 0.7 | 2 | 0.20 | <0.5 | 18 | 66 | 48 | 3.16 | 10 |
| CC41908 | | 0.16 | 0.2 | 0.56 | 24 | <10 | 40 | <0.5 | <2 | 0.07 | <0.5 | 3 | 9 | 11 | 1.09 | <10 |
| CC41909 | | 0.22 | 1.2 | 3.82 | 59 | <10 | 210 | 1.7 | 2 | 0.20 | 0.5 | 12 | 53 | 70 | 3.52 | 10 |
| CC41910 | | 0.12 | 0.8 | 2.06 | 80 | <10 | 150 | 1.3 | 2 | 0.21 | 0.7 | 5 | 30 | 36 | 2.51 | 10 |
| CC41911 | | 0.34 | 3.8 | 1.66 | 2680 | <10 | 110 | 0.8 | 6 | 0.11 | 1.4 | <1 | 2 | 106 | 2.61 | 10 |
| CC41912 | | 0.30 | 13.4 | 1.52 | 1370 | <10 | 80 | 1.0 | 17 | 0.25 | 14.0 | 6 | 19 | 226 | 2.53 | 10 |
| CC41913 | | 0.24 | 9.6 | 1.96 | 761 | <10 | 120 | 1.1 | 12 | 0.27 | 3.6 | 8 | 30 | 155 | 2.75 | 10 |
| CC41914 | | 0.12 | 3.6 | 0.57 | 38 | <10 | 180 | 0.5 | 3 | 0.50 | 6.3 | 2 | 5 | 61 | 0.60 | <10 |
| CC41915 | | 0.12 | 4.5 | 1.01 | 74 | <10 | 130 | 0.6 | 6 | 0.19 | 3.2 | 3 | 15 | 80 | 1.07 | <10 |
| CC41916 | | 0.16 | 2.9 | 2.13 | 260 | <10 | 190 | 0.9 | 6 | 0.26 | 2.1 | 8 | 34 | 143 | 2.68 | 10 |
| CC41917 | | 0.12 | 2.2 | 2.60 | 222 | <10 | 190 | 1.8 | 8 | 0.35 | 4.5 | 21 | 46 | 237 | 3.17 | 10 |
| CC41918 | | 0.12 | 2.6 | 1.04 | 99 | <10 | 160 | 1.0 | 4 | 0.44 | 6.7 | 8 | 18 | 172 | 1.25 | <10 |
| CC41919 | | 0.12 | 3.1 | 2.13 | 251 | <10 | 160 | 0.8 | 10 | 0.26 | 2.4 | 15 | 35 | 130 | 2.75 | 10 |
| CC41920 | | 0.20 | 2.0 | 2.08 | 243 | <10 | 150 | 0.8 | 9 | 0.24 | 1.5 | 11 | 37 | 135 | 2.81 | 10 |
| CC41921 | | 0.20 | 1.0 | 1.86 | 61 | <10 | 160 | 0.6 | 2 | 0.27 | 1.1 | 8 | 30 | 54 | 1.96 | 10 |
| CC41922 | | 0.16 | 1.2 | 1.44 | 30 | <10 | 100 | 0.5 | 3 | 0.19 | 0.5 | 7 | 22 | 60 | 1.82 | <10 |
| CC41923 | | 0.18 | 0.4 | 1.38 | 37 | <10 | 90 | <0.5 | <2 | 0.18 | 0.6 | 5 | 22 | 40 | 1.93 | <10 |
| CC41924 | | 0.20 | 0.7 | 1.87 | 15 | <10 | 160 | 0.5 | <2 | 0.20 | 0.5 | 10 | 34 | 70 | 2.56 | 10 |
| CC41925 | | 0.10 | 1.5 | 0.52 | 5 | <10 | 150 | <0.5 | 2 | 0.15 | 1.6 | 3 | 7 | 20 | 0.61 | <10 |
| CC41926 | | 0.14 | 0.7 | 0.80 | 5 | <10 | 90 | <0.5 | <2 | 0.15 | 0.8 | 3 | 14 | 18 | 1.28 | <10 |
| CC41927 | | 0.12 | 0.2 | 0.72 | 2 | <10 | 80 | <0.5 | <2 | 0.10 | <0.5 | 2 | 11 | 10 | 0.98 | <10 |
| CC41928 | | 0.10 | 0.5 | 1.47 | 4 | <10 | 210 | 0.5 | <2 | 0.47 | 0.9 | 7 | 22 | 28 | 1.99 | <10 |
| CC41929 | | 0.08 | 0.4 | 0.87 | 5 | <10 | 210 | 0.5 | <2 | 1.07 | 0.8 | 7 | 12 | 26 | 0.96 | <10 |
| CC41930 | | 0.14 | 0.3 | 1.62 | 7 | <10 | 220 | 0.5 | <2 | 0.69 | 0.6 | 8 | 23 | 28 | 2.07 | <10 |

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Finalized Date: 21-OCT-2007
Account: RCM

Project: CONNAUGHT - GRID A and GRID B

# CERTIFICATE OF ANALYSIS VA07109376

| 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 |
| CC41891 | | <1 | 0.07 | 10 | 0.52 | 477 | 2 | 0.01 | 15 | 560 | 120 | 0.03 | 3 | 2 | 25 | <20 |
| CC41892 | | <1 | 0.09 | 10 | 0.58 | 332 | 2 | 0.01 | 18 | 620 | 64 | 0.02 | 3 | 3 | 21 | <20 |
| CC41893 | | <1 | 0.05 | 10 | 0.38 | 139 | 1 | 0.01 | 13 | 440 | 28 | 0.03 | 4 | 1 | 15 | <20 |
| CC41894 | | <1 | 0.07 | 30 | 0.46 | 262 | 2 | 0.01 | 17 | 600 | 70 | 0.03 | 4 | 3 | 17 | <20 |
| CC41895 | | <1 | 0.06 | 30 | 0.56 | 527 | 2 | 0.01 | 16 | 540 | 40 | 0.05 | 2 | 2 | 25 | <20 |
| CC41896 | | <1 | 0.07 | 10 | 0.41 | 230 | 1 | 0.01 | 14 | 290 | 19 | 0.03 | 5 | 2 | 17 | <20 |
| CC41897 | | <1 | 0.07 | 20 | 0.62 | 350 | 1 | 0.01 | 17 | 550 | 29 | 0.04 | 2 | 3 | 22 | <20 |
| CC41898 | | <1 | 0.09 | 20 | 0.84 | 370 | 1 | 0.01 | 18 | 490 | 14 | 0.03 | 4 | 3 | 22 | <20 |
| CC41899 | | <1 | 0.06 | 20 | 0.49 | 332 | 1 | 0.01 | 13 | 540 | 12 | 0.03 | 3 | 2 | 18 | <20 |
| CC41900 | | <1 | 0.07 | 20 | 0.54 | 388 | 1 | 0.01 | 18 | 620 | 21 | 0.04 | <2 | 2 | 23 | <20 |
| CC41901 | | <1 | 0.06 | 10 | 0.45 | 319 | 1 | 0.01 | 15 | 320 | 16 | 0.02 | 3 | 3 | 16 | <20 |
| CC41902 | | <1 | 0.06 | 10 | 0.52 | 398 | 1 | 0.01 | 18 | 410 | 11 | 0.02 | 2 | 3 | 18 | <20 |
| CC41903 | | <1 | 0.09 | 20 | 0.46 | 254 | 2 | 0.01 | 15 | 300 | 116 | 0.02 | 4 | 2 | 24 | <20 |
| CC41904 | | <1 | 0.07 | 10 | 0.19 | 170 | 2 | 0.01 | 6 | 400 | 99 | 0.05 | 5 | 1 | 25 | <20 |
| CC41905 | | <1 | 0.20 | 20 | 0.74 | 340 | 1 | 0.01 | 23 | 330 | 137 | 0.06 | 7 | 4 | 34 | <20 |
| CC41906 | | <1 | 0.30 | 20 | 1.03 | 285 | 1 | 0.01 | 33 | 390 | 79 | 0.04 | 5 | 4 | 41 | <20 |
| CC41907 | | <1 | 0.13 | 10 | 0.86 | 426 | 1 | 0.02 | 46 | 560 | 28 | 0.08 | <2 | 5 | 21 | <20 |
| CC41908 | | <1 | 0.03 | <10 | 0.12 | 60 | <1 | 0.02 | 4 | 310 | 15 | 0.04 | <2 | 1 | 10 | <20 |
| CC41909 | | <1 | 0.10 | 20 | 1.10 | 298 | 2 | 0.01 | 51 | 420 | 65 | 0.04 | <2 | 5 | 28 | <20 |
| CC41910 | | <1 | 0.09 | 20 | 0.65 | 225 | 1 | 0.03 | 19 | 430 | 65 | 0.06 | 2 | 3 | 33 | <20 |
| CC41911 | | <1 | 0.73 | 30 | 1.32 | 243 | 6 | 0.02 | <1 | 160 | 1480 | 0.51 | 27 | 1 | 29 | 40 |
| CC41912 | | <1 | 0.15 | 30 | 0.57 | 320 | 2 | 0.02 | 15 | 650 | 3420 | 0.16 | 164 | 2 | 25 | <20 |
| CC41913 | | <1 | 0.14 | 30 | 0.71 | 376 | 1 | 0.02 | 21 | 770 | 2010 | 0.08 | 41 | 3 | 27 | <20 |
| CC41914 | | <1 | 0.06 | 30 | 0.09 | 58 | <1 | 0.03 | 5 | 1040 | 434 | 0.19 | 2 | 1 | 54 | <20 |
| CC41915 | | <1 | 0.07 | 20 | 0.19 | 78 | 2 | 0.03 | 8 | 1060 | 150 | 0.14 | 3 | 1 | 29 | <20 |
| CC41916 | | 1 | 0.19 | 20 | 0.83 | 396 | 2 | 0.02 | 18 | 770 | 175 | 0.09 | 2 | 3 | 37 | <20 |
| CC41917 | | <1 | 0.24 | 40 | 0.83 | 857 | 3 | 0.02 | 31 | 830 | 146 | 0.11 | <2 | 6 | 54 | <20 |
| CC41918 | | 1 | 0.12 | 30 | 0.31 | 576 | 1 | 0.02 | 20 | 850 | 218 | 0.15 | <2 | 1 | 57 | <20 |
| CC41919 | | <1 | 0.15 | 20 | 0.74 | 592 | 2 | 0.02 | 20 | 680 | 301 | 0.07 | 3 | 4 | 35 | <20 |
| CC41920 | | <1 | 0.17 | 20 | 0.77 | 491 | 3 | 0.02 | 22 | 710 | 366 | 0.07 | 9 | 4 | 34 | <20 |
| CC41921 | | <1 | 0.09 | 20 | 0.61 | 318 | 1 | 0.02 | 17 | 700 | 102 | 0.09 | <2 | 3 | 30 | <20 |
| CC41922 | | <1 | 0.07 | 10 | 0.40 | 274 | 1 | 0.02 | 13 | 810 | 44 | 0.08 | <2 | 1 | 21 | <20 |
| CC41923 | | <1 | 0.07 | 10 | 0.48 | 206 | 1 | 0.02 | 14 | 530 | 40 | 0.03 | <2 | 2 | 16 | <20 |
| CC41924 | | <1 | 0.07 | 30 | 0.71 | 761 | 1 | 0.01 | 18 | 570 | 36 | 0.04 | <2 | 3 | 18 | <20 |
| CC41925 | | <1 | 0.05 | 30 | 0.09 | 215 | <1 | 0.03 | 5 | 920 | 53 | 0.09 | <2 | 1 | 17 | <20 |
| CC41926 | | <1 | 0.07 | 30 | 0.19 | 151 | 2 | 0.02 | 8 | 620 | 42 | 0.06 | <2 | 1 | 14 | <20 |
| CC41927 | | <1 | 0.05 | 10 | 0.18 | 87 | <1 | 0.02 | 7 | 290 | 22 | 0.03 | <2 | 1 | 11 | <20 |
| CC41928 | | <1 | 0.07 | 40 | 0.45 | 621 | 1 | 0.02 | 14 | 550 | 46 | 0.06 | <2 | 2 | 32 | <20 |
| CC41929 | | <1 | 0.05 | 70 | 0.19 | 239 | 7 | 0.03 | 11 | 930 | 43 | 0.18 | <2 | 2 | 60 | <20 |
| CC41930 | | <1 | 0.08 | 50 | 0.62 | 762 | 2 | 0.02 | 15 | 660 | 34 | 0.08 | <2 | 2 | 37 | <20 |

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Finalized L : 21-OCT-2007
Account: RCM

Project: CONNAUGHT - GRID A and GRID B

## CERTIFICATE OF ANALYSIS VA07109376

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC41891 | | 0.06 | <10 | <10 | 43 | <10 | 103 |
| CC41892 | | 0.07 | <10 | <10 | 46 | <10 | 115 |
| CC41893 | | 0.05 | <10 | <10 | 36 | <10 | 63 |
| CC41894 | | 0.06 | <10 | <10 | 55 | <10 | 88 |
| CC41895 | | 0.06 | <10 | <10 | 43 | <10 | 75 |
| CC41896 | | 0.07 | <10 | <10 | 42 | <10 | 60 |
| CC41897 | | 0.06 | <10 | <10 | 48 | <10 | 67 |
| CC41898 | | 0.08 | <10 | <10 | 61 | <10 | 73 |
| CC41899 | | 0.06 | <10 | <10 | 48 | <10 | 50 |
| CC41900 | | 0.05 | <10 | <10 | 50 | <10 | 58 |
| CC41901 | | 0.06 | <10 | <10 | 52 | <10 | 48 |
| CC41902 | | 0.06 | <10 | <10 | 52 | <10 | 50 |
| CC41903 | | 0.06 | <10 | <10 | 36 | <10 | 78 |
| CC41904 | | 0.04 | <10 | <10 | 25 | <10 | 52 |
| CC41905 | | 0.08 | <10 | <10 | 54 | <10 | 87 |
| CC41906 | | 0.09 | <10 | <10 | 67 | <10 | 88 |
| CC41907 | | 0.10 | <10 | <10 | 84 | <10 | 89 |
| CC41908 | | 0.05 | <10 | <10 | 29 | <10 | 21 |
| CC41909 | | 0.09 | <10 | <10 | 68 | <10 | 130 |
| CC41910 | | 0.07 | <10 | <10 | 52 | <10 | 112 |
| CC41911 | | 0.02 | <10 | <10 | 6 | <10 | 162 |
| CC41912 | | 0.06 | <10 | <10 | 38 | <10 | 245 |
| CC41913 | | 0.08 | <10 | <10 | 51 | <10 | 278 |
| CC41914 | | 0.02 | <10 | <10 | 7 | <10 | 54 |
| CC41915 | | 0.03 | <10 | <10 | 19 | <10 | 62 |
| CC41916 | | 0.08 | <10 | <10 | 57 | <10 | 175 |
| CC41917 | | 0.08 | <10 | 10 | 54 | 10 | 283 |
| CC41918 | | 0.03 | <10 | <10 | 21 | <10 | 164 |
| CC41919 | | 0.08 | <10 | <10 | 53 | <10 | 148 |
| CC41920 | | 0.08 | <10 | <10 | 51 | <10 | 147 |
| CC41921 | | 0.07 | <10 | <10 | 39 | <10 | 109 |
| CC41922 | | 0.04 | <10 | <10 | 35 | <10 | 65 |
| CC41923 | | 0.07 | <10 | <10 | 40 | 10 | 72 |
| CC41924 | | 0.07 | <10 | <10 | 50 | <10 | 96 |
| CC41925 | | 0.02 | <10 | <10 | 13 | <10 | 55 |
| CC41926 | | 0.04 | <10 | <10 | 28 | <10 | 60 |
| CC41927 | | 0.05 | <10 | <10 | 26 | <10 | 34 |
| CC41928 | | 0.05 | <10 | <10 | 39 | <10 | 83 |
| CC41929 | | 0.03 | <10 | <10 | 14 | <10 | 43 |
| CC41930 | | 0.06 | <10 | <10 | 40 | <10 | 72 |

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Project: CONNAUGHT - GRID A and GRID B

## CERTIFICATE OF ANALYSIS VA07109376

| 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 |
| CC41931 | | 0.18 | 0.4 | 1.63 | 4 | <10 | 250 | 0.5 | <2 | 0.55 | 0.5 | 11 | 29 | 24 | 2.27 | <10 |
| CC41932 | | 0.12 | 0.3 | 1.72 | 8 | <10 | 210 | <0.5 | <2 | 0.41 | 0.6 | 11 | 35 | 20 | 2.47 | 10 |
| CC41933 | | 0.14 | 0.4 | 1.51 | 11 | <10 | 280 | 0.6 | <2 | 0.68 | <0.5 | 9 | 20 | 28 | 2.05 | <10 |
| CC41934 | | 0.22 | 1.6 | 2.39 | 237 | <10 | 190 | 1.3 | 4 | 0.15 | <0.5 | 8 | 29 | 81 | 2.69 | 10 |
| CC41935 | | 0.22 | 0.5 | 2.21 | 56 | <10 | 100 | 1.1 | 4 | 0.17 | <0.5 | 7 | 21 | 58 | 2.38 | 10 |
| CC41936 | | 0.24 | 0.6 | 1.83 | 275 | <10 | 60 | 0.7 | 5 | 0.08 | <0.5 | 4 | 16 | 62 | 2.61 | 10 |
| CC41937 | | 0.14 | 0.6 | 0.80 | 24 | <10 | 90 | <0.5 | <2 | 0.12 | 0.9 | 3 | 10 | 12 | 1.18 | <10 |
| CC41938 | | 0.16 | 0.3 | 0.75 | 26 | <10 | 50 | <0.5 | <2 | 0.07 | <0.5 | 2 | 8 | 14 | 1.11 | <10 |
| CC41939 | | 0.18 | 1.2 | 2.97 | 77 | <10 | 210 | 1.8 | 2 | 0.41 | 0.7 | 10 | 39 | 52 | 2.93 | 10 |
| CC41940 | | 0.12 | 2.2 | 1.02 | 52 | <10 | 120 | 0.7 | 3 | 0.36 | 0.8 | 4 | 13 | 52 | 1.40 | <10 |
| CC41941 | | 0.24 | 1.0 | 1.91 | 79 | <10 | 160 | 1.2 | 8 | 0.36 | 2.0 | 7 | 28 | 52 | 2.20 | 10 |
| CC41942 | | 0.18 | 2.0 | 2.01 | 228 | <10 | 160 | 1.1 | 4 | 0.27 | 1.9 | 8 | 32 | 70 | 2.63 | 10 |
| CC41943 | | 0.18 | 1.4 | 1.12 | 93 | <10 | 110 | 0.6 | 3 | 0.22 | 1.3 | 3 | 20 | 36 | 1.65 | <10 |
| CC41944 | | 0.12 | 3.0 | 1.47 | 60 | <10 | 180 | 1.0 | 5 | 0.53 | 2.3 | 5 | 16 | 168 | 1.13 | <10 |
| CC41945 | | 0.14 | 5.0 | 1.81 | 208 | <10 | 190 | 0.8 | 11 | 0.35 | 4.1 | 9 | 41 | 149 | 2.14 | 10 |
| CC41946 | | 0.16 | 4.1 | 2.18 | 279 | <10 | 180 | 0.7 | 10 | 0.34 | 4.0 | 14 | 56 | 123 | 3.00 | 10 |
| CC41947 | | 0.20 | 5.2 | 1.91 | 353 | <10 | 190 | 0.8 | 15 | 0.33 | 4.4 | 9 | 42 | 115 | 2.65 | 10 |
| CC41948 | | 0.12 | 2.2 | 0.60 | 24 | <10 | 110 | <0.5 | 3 | 0.17 | 0.7 | 3 | 12 | 21 | 0.82 | <10 |
| CC41949 | | 0.14 | 1.6 | 0.91 | 78 | <10 | 100 | <0.5 | 5 | 0.23 | 1.9 | 5 | 20 | 43 | 1.53 | <10 |
| CC41950 | | 0.12 | 2.1 | 1.80 | 469 | <10 | 210 | 1.1 | 5 | 0.32 | 4.5 | 25 | 29 | 116 | 3.22 | <10 |
| CC41951 | | 0.18 | 2.0 | 1.62 | 122 | <10 | 150 | 0.6 | 4 | 0.20 | 1.6 | 8 | 25 | 68 | 1.93 | 10 |
| CC41952 | | 0.26 | 1.0 | 1.48 | 155 | <10 | 110 | 0.5 | 6 | 0.21 | 1.1 | 5 | 25 | 58 | 1.98 | <10 |
| CC41953 | | 0.24 | 1.4 | 2.07 | 138 | <10 | 130 | 0.6 | 9 | 0.24 | 1.2 | 7 | 35 | 95 | 2.57 | 10 |
| CC41954 | | 0.18 | 0.6 | 1.00 | 21 | <10 | 80 | <0.5 | 3 | 0.13 | <0.5 | 3 | 16 | 32 | 1.24 | <10 |
| CC41955 | | 0.22 | 1.2 | 2.29 | 15 | <10 | 240 | 0.5 | <2 | 0.34 | <0.5 | 13 | 37 | 24 | 2.93 | 10 |
| CC41956 | | 0.26 | 0.5 | 1.90 | <2 | <10 | 190 | <0.5 | <2 | 0.29 | 0.5 | 6 | 35 | 44 | 3.11 | 10 |
| CC41957 | | 0.14 | 0.3 | 1.72 | 9 | <10 | 240 | <0.5 | <2 | 0.34 | 1.0 | 28 | 26 | 22 | 2.63 | <10 |
| CC41958 | | 0.18 | 0.3 | 2.20 | 9 | <10 | 250 | 0.5 | <2 | 0.37 | 0.6 | 13 | 27 | 27 | 2.86 | 10 |
| CC41959 | | 0.14 | 0.3 | 1.26 | <2 | <10 | 230 | 0.5 | <2 | 0.46 | 0.6 | 10 | 17 | 20 | 1.72 | <10 |
| CC41960 | | 0.16 | 0.5 | 0.52 | 5 | <10 | 120 | <0.5 | <2 | 0.20 | 0.8 | 2 | 9 | 14 | 0.69 | <10 |
| CC41961 | | 0.16 | 0.2 | 1.28 | 9 | <10 | 170 | <0.5 | <2 | 0.33 | <0.5 | 7 | 20 | 16 | 1.95 | <10 |
| CC41962 | | 0.14 | <0.2 | 1.54 | 7 | <10 | 180 | <0.5 | <2 | 0.29 | 0.5 | 8 | 21 | 16 | 2.24 | <10 |
| CC41963 | | 0.18 | 0.2 | 0.56 | 6 | <10 | 70 | <0.5 | <2 | 0.12 | <0.5 | 2 | 15 | 9 | 1.01 | <10 |
| CC41964 | | 0.10 | 0.3 | 0.94 | 3 | <10 | 280 | <0.5 | <2 | 0.51 | 0.7 | 4 | 8 | 16 | 0.79 | <10 |
| CC41965 | | 0.28 | 0.6 | 1.36 | 350 | <10 | 180 | 0.5 | 8 | 0.17 | 0.6 | 4 | 21 | 41 | 2.80 | 10 |
| CC41966 | | 0.32 | 0.3 | 2.87 | 50 | <10 | 250 | 1.0 | <2 | 0.20 | <0.5 | 7 | 40 | 46 | 2.91 | 10 |
| CC41967 | | 0.14 | <0.2 | 1.28 | 17 | <10 | 330 | <0.5 | <2 | 0.20 | 0.6 | 6 | 35 | 23 | 2.21 | 10 |
| CC41968 | | 0.14 | 1.4 | 2.33 | 343 | <10 | 210 | 1.5 | 4 | 0.54 | 0.5 | 6 | 25 | 100 | 2.72 | 10 |
| CC41969 | | 0.12 | 0.4 | 0.97 | 81 | <10 | 90 | <0.5 | <2 | 0.18 | <0.5 | 3 | 13 | 26 | 1.35 | 10 |
| CC41970 | | 0.18 | 0.4 | 1.53 | 60 | <10 | 110 | 0.6 | 2 | 0.27 | <0.5 | 6 | 24 | 30 | 2.22 | <10 |

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Project: CONNAUGHT - GRID A and GRID B

# CERTIFICATE OF ANALYSIS VA07109376

| 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 |
| CC41931 | | <1 | 0.09 | 30 | 0.69 | 583 | 1 | 0.02 | 15 | 770 | 23 | 0.09 | <2 | 2 | 33 | <20 |
| CC41932 | | <1 | 0.11 | 20 | 0.76 | 730 | <1 | 0.02 | 16 | 660 | 26 | 0.05 | <2 | 3 | 26 | <20 |
| CC41933 | | 1 | 0.09 | 50 | 0.49 | 709 | 1 | 0.02 | 13 | 910 | 24 | 0.10 | <2 | 2 | 37 | <20 |
| CC41934 | | <1 | 0.19 | 20 | 0.77 | 298 | 1 | 0.01 | 18 | 250 | 104 | 0.03 | 2 | 4 | 25 | <20 |
| CC41935 | | <1 | 0.10 | 20 | 0.52 | 291 | <1 | 0.01 | 15 | 280 | 47 | 0.02 | <2 | 3 | 22 | <20 |
| CC41936 | | <1 | 0.11 | 20 | 0.45 | 308 | 1 | 0.01 | 10 | 290 | 60 | 0.03 | 2 | 2 | 13 | <20 |
| CC41937 | | <1 | 0.07 | 10 | 0.18 | 133 | <1 | 0.02 | 5 | 660 | 24 | 0.08 | <2 | 1 | 21 | <20 |
| CC41938 | | 1 | 0.03 | 10 | 0.07 | 104 | <1 | 0.02 | 4 | 430 | 20 | 0.05 | <2 | <1 | 10 | <20 |
| CC41939 | | <1 | 0.13 | 20 | 0.86 | 380 | 2 | 0.03 | 29 | 840 | 82 | 0.09 | <2 | 3 | 60 | <20 |
| CC41940 | | <1 | 0.12 | 30 | 0.32 | 110 | 2 | 0.03 | 8 | 990 | 292 | 0.23 | <2 | 1 | 40 | <20 |
| CC41941 | | <1 | 0.16 | 30 | 0.75 | 248 | 2 | 0.02 | 20 | 640 | 123 | 0.07 | <2 | 3 | 39 | <20 |
| CC41942 | | <1 | 0.13 | 30 | 0.70 | 307 | 3 | 0.02 | 19 | 770 | 187 | 0.11 | 6 | 3 | 36 | <20 |
| CC41943 | | <1 | 0.09 | 20 | 0.33 | 223 | 1 | 0.02 | 13 | 830 | 57 | 0.09 | <2 | 1 | 26 | <20 |
| CC41944 | | <1 | 0.06 | 50 | 0.24 | 154 | 1 | 0.04 | 9 | 1220 | 69 | 0.16 | <2 | 1 | 54 | <20 |
| CC41945 | | <1 | 0.17 | 20 | 0.65 | 279 | 2 | 0.02 | 21 | 1020 | 236 | 0.13 | 3 | 2 | 43 | <20 |
| CC41946 | | <1 | 0.19 | 20 | 0.79 | 586 | 2 | 0.03 | 33 | 950 | 188 | 0.12 | 2 | 4 | 41 | <20 |
| CC41947 | | <1 | 0.16 | 20 | 0.77 | 1400 | 1 | 0.02 | 29 | 820 | 561 | 0.07 | 16 | 4 | 38 | <20 |
| CC41948 | | <1 | 0.06 | 10 | 0.09 | 101 | 1 | 0.02 | 9 | 1380 | 118 | 0.12 | <2 | <1 | 17 | <20 |
| CC41949 | | <1 | 0.10 | 10 | 0.30 | 176 | 1 | 0.02 | 11 | 610 | 71 | 0.07 | <2 | 1 | 30 | <20 |
| CC41950 | | <1 | 0.10 | 20 | 0.56 | 2130 | 2 | 0.02 | 20 | 820 | 171 | 0.09 | 5 | 3 | 38 | <20 |
| CC41951 | | <1 | 0.06 | 10 | 0.48 | 369 | 1 | 0.02 | 16 | 610 | 79 | 0.04 | <2 | 1 | 27 | <20 |
| CC41952 | | <1 | 0.08 | 10 | 0.50 | 236 | 2 | 0.01 | 15 | 550 | 124 | 0.03 | 3 | 2 | 24 | <20 |
| CC41953 | | <1 | 0.11 | 20 | 0.75 | 295 | 2 | 0.02 | 20 | 710 | 195 | 0.06 | <2 | 3 | 30 | <20 |
| CC41954 | | <1 | 0.04 | 10 | 0.30 | 92 | 2 | 0.02 | 7 | 480 | 35 | 0.03 | <2 | 1 | 16 | <20 |
| CC41955 | | <1 | 0.08 | 40 | 0.75 | 622 | 2 | 0.02 | 23 | 930 | 98 | 0.08 | <2 | 3 | 29 | <20 |
| CC41956 | | <1 | 0.14 | 30 | 1.03 | 407 | 2 | 0.03 | 18 | 520 | 53 | 0.14 | <2 | 3 | 28 | <20 |
| CC41957 | | <1 | 0.09 | 20 | 0.60 | 2960 | 1 | 0.02 | 18 | 890 | 23 | 0.08 | <2 | 3 | 24 | <20 |
| CC41958 | | <1 | 0.08 | 20 | 0.67 | 728 | 1 | 0.02 | 17 | 770 | 15 | 0.05 | <2 | 3 | 24 | <20 |
| CC41959 | | <1 | 0.07 | 20 | 0.26 | 292 | 1 | 0.02 | 13 | 1010 | 13 | 0.09 | <2 | 2 | 31 | <20 |
| CC41960 | | <1 | 0.06 | 10 | 0.09 | 142 | <1 | 0.02 | 4 | 830 | 6 | 0.04 | <2 | <1 | 16 | <20 |
| CC41961 | | <1 | 0.07 | 10 | 0.38 | 219 | 1 | 0.03 | 16 | 560 | 8 | 0.05 | <2 | 2 | 25 | <20 |
| CC41962 | | <1 | 0.06 | 10 | 0.46 | 245 | 1 | 0.02 | 15 | 580 | 11 | 0.04 | <2 | 3 | 19 | <20 |
| CC41963 | | <1 | 0.05 | 10 | 0.14 | 104 | 1 | 0.02 | 9 | 460 | 7 | 0.02 | <2 | 1 | 10 | <20 |
| CC41964 | | <1 | 0.05 | 20 | 0.10 | 128 | <1 | 0.02 | 8 | 1000 | 8 | 0.11 | <2 | 1 | 47 | <20 |
| CC41965 | | <1 | 0.10 | 10 | 0.44 | 196 | <1 | 0.01 | 11 | 250 | 192 | 0.03 | <2 | 2 | 22 | <20 |
| CC41966 | | <1 | 0.13 | 10 | 0.64 | 224 | <1 | 0.01 | 21 | 590 | 34 | 0.04 | <2 | 4 | 23 | <20 |
| CC41967 | | <1 | 0.16 | 10 | 0.48 | 743 | 2 | 0.02 | 12 | 550 | 16 | 0.06 | <2 | 2 | 39 | <20 |
| CC41968 | | 1 | 0.17 | 50 | 0.68 | 333 | 1 | 0.03 | 19 | 780 | 74 | 0.08 | 2 | 3 | 53 | <20 |
| CC41969 | | <1 | 0.05 | 10 | 0.18 | 83 | <1 | 0.03 | 6 | 560 | 39 | 0.06 | <2 | 1 | 22 | <20 |
| CC41970 | | <1 | 0.08 | 20 | 0.63 | 258 | 2 | 0.02 | 16 | 690 | 44 | 0.04 | <2 | 2 | 33 | <20 |

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## CERTIFICATE OF ANALYSIS VA07109376

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC41931 | | 0.07 | <10 | <10 | 48 | <10 | 63 |
| CC41932 | | 0.08 | <10 | <10 | 57 | <10 | 74 |
| CC41933 | | 0.05 | <10 | <10 | 40 | <10 | 55 |
| CC41934 | | 0.09 | <10 | <10 | 51 | <10 | 88 |
| CC41935 | | 0.07 | <10 | <10 | 40 | <10 | 77 |
| CC41936 | | 0.05 | <10 | <10 | 42 | <10 | 77 |
| CC41937 | | 0.04 | <10 | <10 | 25 | <10 | 40 |
| CC41938 | | 0.04 | <10 | <10 | 31 | <10 | 22 |
| CC41939 | | 0.08 | <10 | <10 | 62 | <10 | 109 |
| CC41940 | | 0.03 | <10 | <10 | 20 | <10 | 67 |
| CC41941 | | 0.07 | <10 | <10 | 42 | <10 | 169 |
| CC41942 | | 0.07 | <10 | <10 | 51 | <10 | 181 |
| CC41943 | | 0.04 | <10 | <10 | 32 | <10 | 77 |
| CC41944 | | 0.03 | <10 | <10 | 14 | <10 | 73 |
| CC41945 | | 0.06 | <10 | <10 | 41 | <10 | 177 |
| CC41946 | | 0.08 | <10 | <10 | 64 | <10 | 241 |
| CC41947 | | 0.08 | <10 | <10 | 51 | <10 | 261 |
| CC41948 | | 0.02 | <10 | <10 | 14 | <10 | 43 |
| CC41949 | | 0.06 | <10 | <10 | 34 | <10 | 78 |
| CC41950 | | 0.06 | <10 | <10 | 53 | <10 | 154 |
| CC41951 | | 0.05 | <10 | <10 | 43 | <10 | 121 |
| CC41952 | | 0.06 | <10 | <10 | 39 | <10 | 113 |
| CC41953 | | 0.08 | <10 | <10 | 50 | 10 | 134 |
| CC41954 | | 0.04 | <10 | <10 | 25 | <10 | 44 |
| CC41955 | | 0.06 | <10 | <10 | 57 | <10 | 101 |
| CC41956 | | 0.08 | <10 | <10 | 54 | <10 | 99 |
| CC41957 | | 0.06 | <10 | <10 | 52 | <10 | 60 |
| CC41958 | | 0.06 | <10 | <10 | 61 | <10 | 63 |
| CC41959 | | 0.03 | <10 | <10 | 29 | <10 | 35 |
| CC41960 | | 0.01 | <10 | <10 | 15 | <10 | 23 |
| CC41961 | | 0.05 | <10 | <10 | 39 | <10 | 40 |
| CC41962 | | 0.05 | <10 | <10 | 45 | <10 | 46 |
| CC41963 | | 0.04 | <10 | <10 | 27 | <10 | 21 |
| CC41964 | | 0.02 | <10 | <10 | 13 | <10 | 14 |
| CC41965 | | 0.12 | <10 | <10 | 72 | <10 | 73 |
| CC41966 | | 0.09 | <10 | <10 | 62 | <10 | 66 |
| CC41967 | | 0.08 | <10 | <10 | 74 | <10 | 56 |
| CC41968 | | 0.07 | <10 | <10 | 52 | <10 | 98 |
| CC41969 | | 0.04 | <10 | <10 | 26 | <10 | 39 |
| CC41970 | | 0.07 | <10 | <10 | 46 | <10 | 67 |

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



Project: CONNAUGHT - GRID A and GRID B

# CERTIFICATE OF ANALYSIS VA07109376

| Sample Description | Method / Analyte / Units / LOR | WEI-21 Recvd Wt. kg 0.02 | ME-ICP41 Ag ppm 0.2 | ME-ICP41 Al % 0.01 | ME-ICP41 As ppm 2 | ME-ICP41 B ppm 10 | ME-ICP41 Ba ppm 10 | ME-ICP41 Be ppm 0.5 | ME-ICP41 Bi ppm 2 | ME-ICP41 Ca % 0.01 | ME-ICP41 Cd ppm 0.5 | ME-ICP41 Co ppm 1 | ME-ICP41 Cr ppm 1 | ME-ICP41 Cu ppm 1 | ME-ICP41 Fe % 0.01 | ME-ICP41 Ga ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CC41971 | | 0.18 | 0.9 | 1.63 | 105 | <10 | 170 | 0.8 | 2 | 0.41 | 0.9 | 9 | 28 | 46 | 2.09 | <10 |
| CC41972 | | 0.22 | 0.4 | 1.72 | 69 | <10 | 170 | 1.0 | 2 | 0.31 | 1.5 | 9 | 29 | 58 | 2.36 | 10 |
| CC41973 | | 0.18 | 0.9 | 2.08 | 77 | <10 | 220 | 1.3 | <2 | 0.34 | 1.6 | 10 | 30 | 47 | 2.35 | 10 |
| CC41974 | | 0.16 | 1.2 | 1.41 | 44 | <10 | 270 | 1.2 | 2 | 0.49 | 2.5 | 10 | 19 | 75 | 1.34 | <10 |
| CC41975 | | 0.18 | 1.7 | 1.54 | 53 | <10 | 250 | 1.4 | 2 | 0.52 | 4.1 | 7 | 23 | 130 | 1.34 | <10 |
| CC41976 | | 0.24 | 0.9 | 1.86 | 113 | <10 | 130 | 0.6 | 4 | 0.25 | 0.5 | 6 | 27 | 52 | 2.23 | 10 |
| CC41977 | | 0.18 | 7.0 | 2.06 | 337 | <10 | 280 | 1.1 | 12 | 0.54 | 5.4 | 24 | 39 | 225 | 2.61 | <10 |
| CC41978 | | 0.22 | 2.1 | 2.48 | 172 | <10 | 250 | 0.8 | 12 | 0.35 | 2.2 | 20 | 54 | 138 | 2.89 | 10 |
| CC41979 | | 0.16 | 4.3 | 1.74 | 253 | <10 | 190 | 0.6 | 6 | 0.30 | 3.2 | 10 | 33 | 82 | 2.26 | <10 |
| CC41980 | | 0.18 | 6.2 | 1.43 | 118 | <10 | 170 | 0.6 | 5 | 0.30 | 3.8 | 8 | 25 | 81 | 1.59 | <10 |
| CC41981 | | 0.24 | 3.0 | 2.67 | 117 | <10 | 200 | 1.0 | 7 | 0.32 | 1.6 | 11 | 40 | 103 | 3.13 | 10 |
| CC41982 | | 0.22 | 1.4 | 2.02 | 84 | <10 | 210 | 0.7 | 5 | 0.29 | 2.8 | 10 | 31 | 77 | 2.43 | 10 |
| CC41983 | | 0.34 | 0.7 | 1.01 | 50 | <10 | 100 | <0.5 | 2 | 0.12 | 0.6 | 3 | 16 | 40 | 1.28 | <10 |
| CC41984 | | 0.18 | 1.3 | 1.43 | 117 | <10 | 100 | <0.5 | 4 | 0.20 | 1.3 | 5 | 22 | 52 | 1.87 | <10 |
| CC41985 | | 0.14 | 1.4 | 1.02 | 38 | <10 | 100 | <0.5 | 2 | 0.11 | 1.0 | 2 | 17 | 33 | 1.16 | <10 |
| CC41986 | | 0.28 | 0.5 | 1.58 | 10 | <10 | 200 | <0.5 | <2 | 0.38 | <0.5 | 8 | 23 | 24 | 2.28 | <10 |
| CC41987 | | 0.18 | 0.2 | 1.76 | 9 | <10 | 230 | <0.5 | <2 | 0.44 | 0.5 | 7 | 23 | 19 | 2.29 | <10 |
| CC41988 | | 0.20 | 0.2 | 2.02 | 9 | <10 | 270 | 0.6 | <2 | 0.33 | 0.5 | 9 | 23 | 26 | 2.34 | 10 |
| CC41989 | | 0.22 | 0.2 | 1.11 | 5 | <10 | 160 | <0.5 | <2 | 0.29 | 0.6 | 5 | 16 | 20 | 1.71 | <10 |
| CC42080 | | 0.28 | 0.6 | 2.11 | 34 | <10 | 180 | 0.6 | 2 | 0.33 | <0.5 | 8 | 36 | 46 | 3.06 | 10 |
| CC42081 | | 0.14 | <0.2 | 0.67 | 2 | <10 | 60 | <0.5 | <2 | 0.06 | <0.5 | 2 | 9 | 11 | 0.92 | <10 |
| CC42082 | | 0.22 | 0.3 | 1.67 | 10 | <10 | 190 | <0.5 | <2 | 0.42 | <0.5 | 5 | 21 | 58 | 2.05 | 10 |
| CC42083 | | 0.14 | 0.7 | 0.34 | <2 | <10 | 40 | <0.5 | <2 | 0.06 | <0.5 | 1 | 7 | 8 | 0.41 | <10 |
| CC42084 | | 0.22 | 0.2 | 0.98 | 3 | <10 | 110 | <0.5 | <2 | 0.10 | <0.5 | 3 | 13 | 21 | 1.23 | <10 |
| CC42085 | | 0.16 | 0.4 | 0.89 | 5 | <10 | 80 | <0.5 | <2 | 0.08 | <0.5 | 1 | 14 | 13 | 0.96 | 10 |
| CC42086 | | 0.14 | 0.4 | 1.49 | 4 | <10 | 130 | <0.5 | <2 | 0.15 | <0.5 | 4 | 22 | 33 | 1.96 | 10 |
| CC42087 | | 0.16 | <0.2 | 0.79 | <2 | <10 | 100 | <0.5 | <2 | 0.14 | <0.5 | 5 | 12 | 17 | 1.42 | <10 |
| CC42088 | | 0.12 | 0.4 | 1.53 | 12 | <10 | 150 | <0.5 | <2 | 0.22 | 0.7 | 7 | 21 | 28 | 2.18 | 10 |
| CC42089 | | 0.14 | 0.4 | 1.02 | 32 | <10 | 160 | <0.5 | 4 | 0.24 | 0.8 | 5 | 28 | 24 | 1.77 | <10 |
| CC42090 | | 0.14 | 0.2 | 1.30 | 15 | <10 | 90 | <0.5 | <2 | 0.12 | 0.6 | 5 | 35 | 24 | 1.96 | 10 |
| CC42091 | | 0.24 | 0.9 | 3.25 | 94 | <10 | 200 | 1.2 | 29 | 0.43 | 0.7 | 17 | 74 | 111 | 4.12 | 10 |
| CC42092 | | 0.14 | 0.3 | 2.53 | 75 | <10 | 170 | 1.4 | 2 | 0.33 | 0.9 | 6 | 19 | 38 | 2.14 | 10 |
| CC42093 | | 0.22 | 0.8 | 2.16 | 83 | <10 | 190 | 1.0 | 2 | 0.45 | 1.6 | 15 | 34 | 56 | 2.54 | 10 |
| CC42094 | | 0.14 | 1.3 | 2.71 | 81 | <10 | 240 | 0.9 | 7 | 0.42 | 1.1 | 11 | 45 | 63 | 2.72 | 10 |
| CC42095 | | 0.24 | 0.9 | 2.46 | 107 | <10 | 190 | 1.1 | 5 | 0.35 | 0.8 | 8 | 32 | 74 | 2.57 | 10 |
| CC42096 | | 0.16 | 1.2 | 1.45 | 209 | <10 | 180 | 0.7 | 4 | 0.35 | 1.2 | 8 | 21 | 39 | 2.13 | <10 |
| CC42097 | | 0.14 | 2.3 | 1.05 | 94 | <10 | 170 | 0.7 | 2 | 0.32 | 1.1 | 6 | 16 | 36 | 1.67 | <10 |
| CC42098 | | 0.22 | 0.5 | 1.47 | 73 | <10 | 220 | 0.7 | 3 | 0.36 | 0.6 | 9 | 23 | 38 | 2.01 | <10 |
| CC42099 | | 0.18 | 0.7 | 1.46 | 51 | <10 | 240 | 0.8 | 4 | 0.23 | 1.3 | 9 | 24 | 31 | 2.11 | <10 |
| CC42100 | | 0.32 | 1.0 | 2.25 | 45 | <10 | 190 | 1.0 | 4 | 0.23 | 0.6 | 7 | 33 | 44 | 2.06 | 10 |

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Finalized Date: 21-OCT-2007
Account: RCM

Project: CONNAUGHT - GRID A and GRID B

## CERTIFICATE OF ANALYSIS VA07109376

| 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 |
| CC41971 | | <1 | 0.12 | 20 | 0.58 | 843 | 2 | 0.02 | 21 | 740 | 124 | 0.06 | <2 | 3 | 39 | <20 |
| CC41972 | | <1 | 0.12 | 20 | 0.67 | 434 | 2 | 0.03 | 20 | 560 | 87 | 0.06 | <2 | 3 | 34 | <20 |
| CC41973 | | <1 | 0.12 | 30 | 0.73 | 453 | 2 | 0.02 | 23 | 750 | 81 | 0.08 | <2 | 3 | 35 | <20 |
| CC41974 | | <1 | 0.07 | 50 | 0.34 | 1370 | 1 | 0.07 | 14 | 1100 | 66 | 0.16 | <2 | 2 | 46 | <20 |
| CC41975 | | <1 | 0.07 | 60 | 0.36 | 1180 | 2 | 0.03 | 22 | 1280 | 45 | 0.20 | <2 | 2 | 53 | <20 |
| CC41976 | | <1 | 0.08 | 20 | 0.65 | 241 | 1 | 0.02 | 18 | 530 | 94 | 0.01 | <2 | 3 | 22 | <20 |
| CC41977 | | 1 | 0.13 | 30 | 0.53 | 1990 | 3 | 0.02 | 28 | 1530 | 313 | 0.23 | 4 | 4 | 53 | <20 |
| CC41978 | | <1 | 0.18 | 20 | 0.91 | 1200 | 1 | 0.02 | 32 | 780 | 178 | 0.07 | 3 | 5 | 36 | <20 |
| CC41979 | | <1 | 0.09 | 20 | 0.57 | 518 | 1 | 0.03 | 20 | 790 | 523 | 0.09 | 11 | 3 | 33 | <20 |
| CC41980 | | <1 | 0.08 | 20 | 0.41 | 526 | 1 | 0.02 | 14 | 970 | 581 | 0.12 | 10 | 2 | 36 | <20 |
| CC41981 | | <1 | 0.17 | 20 | 0.90 | 370 | 4 | 0.02 | 28 | 960 | 200 | 0.10 | 5 | 4 | 39 | <20 |
| CC41982 | | 1 | 0.10 | 20 | 0.62 | 379 | 2 | 0.02 | 23 | 690 | 92 | 0.08 | 2 | 3 | 35 | <20 |
| CC41983 | | <1 | 0.05 | 10 | 0.33 | 115 | 1 | 0.02 | 8 | 500 | 54 | 0.04 | 2 | 1 | 15 | <20 |
| CC41984 | | <1 | 0.08 | 10 | 0.51 | 231 | 2 | 0.01 | 15 | 650 | 115 | 0.05 | <2 | 1 | 22 | <20 |
| CC41985 | | <1 | 0.05 | 10 | 0.21 | 65 | 2 | 0.01 | 9 | 660 | 91 | 0.06 | 2 | 1 | 16 | <20 |
| CC41986 | | <1 | 0.06 | 20 | 0.60 | 705 | 1 | 0.01 | 14 | 640 | 18 | 0.05 | <2 | 3 | 24 | <20 |
| CC41987 | | <1 | 0.06 | 10 | 0.47 | 419 | 1 | 0.02 | 15 | 620 | 9 | 0.05 | <2 | 3 | 26 | <20 |
| CC41988 | | 1 | 0.07 | 20 | 0.37 | 384 | <1 | 0.02 | 15 | 700 | 14 | 0.06 | <2 | 2 | 24 | <20 |
| CC41989 | | <1 | 0.07 | 10 | 0.25 | 229 | 1 | 0.02 | 12 | 570 | 10 | 0.04 | <2 | 1 | 23 | <20 |
| CC42080 | | <1 | 0.07 | 20 | 0.69 | 297 | 2 | 0.01 | 18 | 590 | 59 | 0.03 | <2 | 4 | 24 | <20 |
| CC42081 | | <1 | 0.03 | 10 | 0.14 | 85 | <1 | 0.02 | 4 | 190 | 11 | 0.01 | <2 | 1 | 7 | <20 |
| CC42082 | | <1 | 0.07 | 10 | 0.39 | 257 | 1 | 0.02 | 14 | 320 | 25 | 0.03 | <2 | 3 | 21 | <20 |
| CC42083 | | <1 | 0.03 | <10 | 0.03 | 24 | <1 | 0.02 | <1 | 550 | 5 | 0.04 | <2 | <1 | 8 | <20 |
| CC42084 | | <1 | 0.06 | 10 | 0.25 | 189 | <1 | 0.02 | 8 | 220 | 26 | 0.01 | <2 | 2 | 10 | <20 |
| CC42085 | | <1 | 0.05 | 10 | 0.18 | 61 | <1 | 0.02 | 6 | 300 | 24 | 0.03 | <2 | 1 | 10 | <20 |
| CC42086 | | <1 | 0.06 | 10 | 0.49 | 201 | 1 | 0.02 | 16 | 360 | 12 | 0.03 | <2 | 2 | 15 | <20 |
| CC42087 | | <1 | 0.04 | 10 | 0.18 | 423 | <1 | 0.03 | 6 | 190 | 12 | 0.01 | <2 | 1 | 13 | <20 |
| CC42088 | | <1 | 0.06 | 20 | 0.44 | 440 | 1 | 0.02 | 14 | 540 | 66 | 0.03 | <2 | 2 | 18 | <20 |
| CC42089 | | <1 | 0.10 | 10 | 0.29 | 204 | 2 | 0.02 | 16 | 780 | 24 | 0.10 | <2 | 1 | 31 | <20 |
| CC42090 | | <1 | 0.06 | 10 | 0.38 | 180 | 2 | 0.02 | 17 | 540 | 21 | 0.07 | 3 | 2 | 19 | <20 |
| CC42091 | | <1 | 0.27 | 20 | 1.19 | 532 | 6 | 0.03 | 56 | 810 | 97 | 0.10 | <2 | 7 | 69 | <20 |
| CC42092 | | <1 | 0.40 | 20 | 1.37 | 344 | 1 | 0.02 | 16 | 470 | 58 | 0.05 | 2 | 2 | 86 | <20 |
| CC42093 | | <1 | 0.16 | 20 | 0.68 | 1140 | 3 | 0.03 | 25 | 990 | 65 | 0.13 | <2 | 3 | 53 | <20 |
| CC42094 | | 1 | 0.20 | 20 | 0.90 | 397 | 1 | 0.02 | 32 | 810 | 174 | 0.07 | 2 | 4 | 40 | <20 |
| CC42095 | | <1 | 0.17 | 20 | 0.87 | 250 | 1 | 0.02 | 23 | 620 | 305 | 0.02 | <2 | 4 | 33 | <20 |
| CC42096 | | 1 | 0.10 | 20 | 0.46 | 671 | 1 | 0.02 | 16 | 840 | 77 | 0.08 | 4 | 2 | 35 | <20 |
| CC42097 | | <1 | 0.05 | 20 | 0.19 | 635 | 1 | 0.03 | 8 | 1570 | 51 | 0.16 | <2 | 1 | 32 | <20 |
| CC42098 | | <1 | 0.09 | 20 | 0.47 | 1190 | 1 | 0.02 | 15 | 910 | 57 | 0.09 | <2 | 2 | 40 | <20 |
| CC42099 | | <1 | 0.07 | 20 | 0.40 | 616 | 1 | 0.02 | 12 | 1080 | 58 | 0.09 | <2 | 2 | 28 | <20 |
| CC42100 | | <1 | 0.09 | 20 | 0.66 | 202 | <1 | 0.02 | 18 | 750 | 58 | 0.03 | 3 | 4 | 23 | <20 |

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Finalized L. 21-OCT-2007
Account: RCM

Project: CONNAUGHT - GRID A and GRID B

## CERTIFICATE OF ANALYSIS VA07109376

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC41971 | | 0.06 | <10 | <10 | 45 | <10 | 90 |
| CC41972 | | 0.07 | <10 | <10 | 50 | <10 | 130 |
| CC41973 | | 0.07 | <10 | <10 | 50 | <10 | 118 |
| CC41974 | | 0.03 | <10 | <10 | 25 | <10 | 88 |
| CC41975 | | 0.03 | <10 | <10 | 23 | <10 | 118 |
| CC41976 | | 0.08 | <10 | <10 | 43 | <10 | 108 |
| CC41977 | | 0.04 | <10 | <10 | 48 | <10 | 174 |
| CC41978 | | 0.09 | <10 | <10 | 59 | 10 | 224 |
| CC41979 | | 0.06 | <10 | <10 | 45 | <10 | 149 |
| CC41980 | | 0.04 | <10 | <10 | 30 | <10 | 109 |
| CC41981 | | 0.08 | <10 | <10 | 57 | <10 | 141 |
| CC41982 | | 0.07 | <10 | <10 | 46 | <10 | 126 |
| CC41983 | | 0.04 | <10 | <10 | 27 | <10 | 57 |
| CC41984 | | 0.05 | <10 | <10 | 35 | <10 | 108 |
| CC41985 | | 0.04 | <10 | <10 | 22 | <10 | 45 |
| CC41986 | | 0.05 | <10 | <10 | 45 | <10 | 54 |
| CC41987 | | 0.05 | <10 | <10 | 45 | <10 | 51 |
| CC41988 | | 0.04 | <10 | <10 | 48 | <10 | 50 |
| CC41989 | | 0.04 | <10 | <10 | 44 | <10 | 36 |
| CC42080 | | 0.07 | <10 | <10 | 58 | <10 | 88 |
| CC42081 | | 0.05 | <10 | <10 | 28 | <10 | 22 |
| CC42082 | | 0.06 | <10 | <10 | 48 | <10 | 66 |
| CC42083 | | 0.01 | <10 | <10 | 10 | <10 | 14 |
| CC42084 | | 0.06 | <10 | <10 | 31 | <10 | 43 |
| CC42085 | | 0.05 | <10 | <10 | 24 | <10 | 30 |
| CC42086 | | 0.06 | <10 | <10 | 39 | <10 | 61 |
| CC42087 | | 0.05 | <10 | <10 | 31 | <10 | 44 |
| CC42088 | | 0.05 | <10 | <10 | 45 | <10 | 78 |
| CC42089 | | 0.05 | <10 | <10 | 56 | <10 | 56 |
| CC42090 | | 0.06 | <10 | <10 | 59 | <10 | 54 |
| CC42091 | | 0.09 | <10 | <10 | 96 | <10 | 175 |
| CC42092 | | 0.08 | <10 | <10 | 34 | <10 | 275 |
| CC42093 | | 0.06 | <10 | <10 | 54 | <10 | 125 |
| CC42094 | | 0.08 | <10 | <10 | 59 | <10 | 179 |
| CC42095 | | 0.10 | <10 | <10 | 56 | <10 | 165 |
| CC42096 | | 0.06 | <10 | <10 | 41 | <10 | 103 |
| CC42097 | | 0.03 | <10 | 10 | 33 | <10 | 46 |
| CC42098 | | 0.05 | <10 | <10 | 40 | <10 | 76 |
| CC42099 | | 0.05 | <10 | <10 | 48 | <10 | 76 |
| CC42100 | | 0.07 | <10 | <10 | 47 | <10 | 111 |

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Project: CONNAUGHT - GRID A and GRID B

## CERTIFICATE OF ANALYSIS VA07109376

| 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 |
| CC42101 | | 0.14 | 0.8 | 1.22 | 84 | <10 | 160 | 0.5 | 5 | 0.27 | 0.9 | 4 | 20 | 32 | 1.61 | <10 |
| CC42102 | | 0.16 | 1.8 | 1.50 | 93 | <10 | 180 | 0.8 | 7 | 0.28 | 1.2 | 16 | 33 | 77 | 2.30 | <10 |
| CC42103 | | 0.12 | 1.2 | 1.45 | 74 | <10 | 150 | 0.8 | 7 | 0.23 | 2.1 | 6 | 25 | 77 | 1.87 | <10 |
| CC42104 | | 0.18 | 2.1 | 2.34 | 146 | <10 | 230 | 0.7 | 12 | 0.35 | 1.5 | 12 | 47 | 91 | 2.90 | 10 |
| CC42105 | | 0.20 | 2.1 | 1.84 | 58 | <10 | 180 | 0.6 | 2 | 0.27 | 0.9 | 11 | 35 | 81 | 2.51 | 10 |
| CC42106 | | 0.12 | 1.1 | 0.57 | 12 | <10 | 100 | 0.5 | <2 | 0.23 | 2.0 | 5 | 9 | 38 | 0.73 | <10 |
| CC42107 | | 0.14 | 1.6 | 1.50 | 76 | <10 | 170 | 0.5 | <2 | 0.24 | 1.4 | 13 | 24 | 54 | 2.04 | 10 |
| CC42108 | | 0.18 | 0.5 | 0.47 | 5 | <10 | 30 | <0.5 | <2 | 0.11 | 0.5 | 2 | 9 | 13 | 0.67 | <10 |
| CC42109 | | 0.10 | 1.1 | 1.37 | 44 | <10 | 250 | 0.8 | 2 | 0.62 | 4.2 | 45 | 18 | 76 | 1.66 | <10 |
| CC42110 | | 0.18 | 0.3 | 1.19 | <2 | <10 | 150 | <0.5 | <2 | 0.44 | <0.5 | 5 | 15 | 17 | 1.38 | <10 |
| CC42111 | | 0.14 | 0.4 | 0.87 | <2 | <10 | 100 | <0.5 | <2 | 0.29 | <0.5 | 3 | 11 | 13 | 1.17 | <10 |
| CC42112 | | 0.22 | 0.3 | 1.62 | 8 | <10 | 190 | <0.5 | <2 | 0.40 | <0.5 | 8 | 23 | 22 | 2.34 | <10 |
| CC42113 | | 0.22 | 0.3 | 1.45 | 6 | <10 | 170 | <0.5 | <2 | 0.36 | <0.5 | 6 | 20 | 17 | 1.98 | 10 |
| CC42114 | | 0.18 | 0.3 | 0.80 | <2 | <10 | 100 | <0.5 | <2 | 0.19 | <0.5 | 2 | 10 | 20 | 1.09 | <10 |
| CC42115 | | 0.10 | 0.5 | 0.56 | <2 | <10 | 100 | <0.5 | <2 | 0.30 | 0.5 | 2 | 8 | 21 | 0.90 | <10 |
| CC42116 | | 0.28 | 0.2 | 0.89 | 5 | <10 | 80 | <0.5 | <2 | 0.11 | <0.5 | 3 | 13 | 9 | 1.51 | 10 |
| CC42117 | | 0.16 | 0.5 | 1.17 | 5 | <10 | 130 | <0.5 | <2 | 0.30 | <0.5 | 5 | 16 | 24 | 1.76 | 10 |
| CC42118 | | 0.14 | 0.7 | 0.71 | <2 | <10 | 90 | <0.5 | <2 | 0.24 | 0.9 | 3 | 10 | 19 | 1.28 | <10 |
| CC42119 | | 0.12 | 0.4 | 0.95 | 3 | <10 | 130 | <0.5 | <2 | 0.65 | 0.5 | 3 | 14 | 20 | 1.33 | <10 |
| CC42120 | | 0.18 | 0.3 | 1.35 | 20 | <10 | 50 | <0.5 | <2 | 0.12 | <0.5 | 3 | 22 | 28 | 1.48 | <10 |
| CC42121 | | 0.18 | 1.5 | 1.54 | 108 | <10 | 30 | 0.5 | <2 | 0.18 | 2.2 | 2 | 20 | 66 | 1.37 | 10 |
| CC42122 | | 0.18 | 3.2 | 1.56 | 345 | <10 | 110 | 0.8 | 3 | 0.29 | 4.3 | 5 | 29 | 66 | 2.30 | 10 |
| CC42123 | | 0.12 | 4.1 | 1.61 | 287 | <10 | 200 | 1.3 | 5 | 0.50 | 9.8 | 9 | 26 | 92 | 1.84 | <10 |
| CC42124 | | 0.22 | 3.5 | 2.06 | 351 | <10 | 150 | 1.0 | 3 | 0.26 | 3.0 | 7 | 35 | 66 | 2.94 | 10 |
| CC42125 | | 0.14 | 5.3 | 2.69 | 256 | <10 | 140 | 1.2 | 6 | 0.39 | 5.2 | 13 | 47 | 108 | 2.84 | 10 |
| CC42126 | | 0.16 | 4.0 | 2.75 | 144 | <10 | 340 | 1.3 | 3 | 0.43 | 5.7 | 26 | 50 | 107 | 2.91 | 10 |
| CC42127 | | 0.20 | 1.1 | 2.37 | 73 | <10 | 220 | 0.8 | 3 | 0.36 | 1.8 | 11 | 43 | 48 | 2.81 | 10 |
| CC42128 | | 0.16 | 1.3 | 2.25 | 85 | <10 | 320 | 1.0 | 2 | 0.50 | 7.6 | 27 | 40 | 68 | 2.64 | 10 |
| CC42129 | | 0.30 | 0.9 | 2.68 | 152 | <10 | 320 | 1.2 | 3 | 0.49 | 1.9 | 13 | 52 | 79 | 3.27 | 10 |
| CC42130 | | 0.40 | 0.6 | 2.06 | 89 | <10 | 150 | 0.7 | <2 | 0.29 | 0.6 | 10 | 39 | 48 | 2.75 | 10 |
| CC42131 | | 0.18 | 0.8 | 1.34 | 79 | <10 | 200 | 0.6 | <2 | 0.34 | 0.7 | 11 | 26 | 36 | 2.06 | <10 |
| CC42132 | | 0.12 | 1.7 | 1.32 | 106 | <10 | 290 | 1.0 | <2 | 0.67 | 1.6 | 13 | 23 | 74 | 2.16 | <10 |
| CC42133 | | 0.14 | 1.8 | 2.01 | 90 | <10 | 220 | 0.9 | <2 | 0.27 | 1.0 | 27 | 36 | 59 | 2.84 | 10 |
| CC42134 | | 0.38 | 0.6 | 1.85 | 68 | <10 | 120 | 0.6 | 2 | 0.22 | <0.5 | 10 | 32 | 43 | 2.67 | 10 |
| CC42135 | | 0.20 | 0.7 | 1.68 | 61 | <10 | 170 | 0.6 | <2 | 0.25 | 0.7 | 8 | 30 | 47 | 2.48 | 10 |
| CC42136 | | 0.34 | 0.7 | 1.84 | 69 | <10 | 130 | 0.6 | 2 | 0.24 | 0.5 | 8 | 31 | 57 | 2.48 | 10 |
| CC42137 | | 0.14 | 1.2 | 1.57 | 63 | <10 | 150 | 0.5 | <2 | 0.21 | 0.8 | 11 | 24 | 54 | 2.31 | 10 |
| CC42138 | | 0.22 | 1.1 | 1.50 | 52 | <10 | 170 | 0.5 | 3 | 0.26 | 0.9 | 9 | 22 | 61 | 2.05 | 10 |
| CC42139 | | 0.20 | 0.5 | 1.65 | 54 | <10 | 120 | <0.5 | 2 | 0.27 | 0.5 | 8 | 29 | 51 | 2.52 | 10 |
| CC42140 | | 0.20 | 5.7 | 1.80 | 72 | <10 | 150 | 0.7 | 4 | 0.25 | 0.9 | 13 | 24 | 128 | 1.88 | 10 |

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8


Finalized Date: 21-OCT-2007
Account: RCM

Project: CONNAUGHT - GRID A and GRID B

## CERTIFICATE OF ANALYSIS VA07109376

| 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 |
| CC42101 | | <1 | 0.07 | 20 | 0.39 | 166 | <1 | 0.02 | 13 | 680 | 45 | 0.05 | 2 | 1 | 31 | <20 |
| CC42102 | | 2 | 0.08 | 20 | 0.42 | 958 | <1 | 0.01 | 16 | 1030 | 63 | 0.07 | 2 | 2 | 31 | <20 |
| CC42103 | | 1 | 0.07 | 20 | 0.31 | 473 | 1 | 0.02 | 14 | 970 | 59 | 0.06 | 2 | 2 | 29 | <20 |
| CC42104 | | <1 | 0.15 | 20 | 0.80 | 521 | 1 | 0.02 | 28 | 770 | 105 | 0.03 | 3 | 4 | 37 | <20 |
| CC42105 | | <1 | 0.10 | 10 | 0.60 | 475 | 6 | 0.01 | 20 | 870 | 91 | 0.08 | <2 | 3 | 32 | <20 |
| CC42106 | | <1 | 0.05 | 10 | 0.10 | 98 | 1 | 0.02 | 7 | 850 | 59 | 0.09 | 2 | <1 | 28 | <20 |
| CC42107 | | <1 | 0.08 | 10 | 0.46 | 964 | 16 | 0.02 | 16 | 820 | 222 | 0.08 | <2 | 2 | 29 | <20 |
| CC42108 | | <1 | 0.04 | <10 | 0.09 | 49 | <1 | 0.02 | 5 | 490 | 32 | 0.04 | <2 | <1 | 15 | <20 |
| CC42109 | | <1 | 0.08 | 20 | 0.34 | 2620 | 4 | 0.02 | 16 | 1170 | 163 | 0.13 | <2 | 1 | 58 | <20 |
| CC42110 | | <1 | 0.06 | 10 | 0.33 | 297 | <1 | 0.21 | 11 | 660 | 5 | 0.06 | <2 | 1 | 25 | <20 |
| CC42111 | | <1 | 0.06 | 10 | 0.26 | 170 | <1 | 0.09 | 9 | 720 | 10 | 0.06 | <2 | 1 | 19 | <20 |
| CC42112 | | <1 | 0.07 | 10 | 0.43 | 352 | <1 | 0.02 | 17 | 700 | 13 | 0.05 | <2 | 3 | 24 | <20 |
| CC42113 | | <1 | 0.08 | 10 | 0.39 | 257 | <1 | 0.01 | 15 | 370 | 12 | 0.02 | <2 | 2 | 21 | <20 |
| CC42114 | | <1 | 0.04 | 10 | 0.15 | 108 | <1 | 0.01 | 8 | 450 | 13 | 0.02 | <2 | 1 | 14 | <20 |
| CC42115 | | <1 | 0.05 | 10 | 0.10 | 106 | <1 | 0.02 | 8 | 750 | 24 | 0.04 | <2 | <1 | 20 | <20 |
| CC42116 | | <1 | 0.04 | 10 | 0.23 | 144 | <1 | 0.01 | 8 | 280 | 11 | 0.01 | <2 | 1 | 11 | <20 |
| CC42117 | | <1 | 0.06 | 10 | 0.31 | 186 | <1 | 0.01 | 11 | 620 | 20 | 0.05 | <2 | 1 | 19 | <20 |
| CC42118 | | <1 | 0.05 | 10 | 0.19 | 137 | <1 | 0.01 | 6 | 530 | 38 | 0.04 | <2 | 1 | 16 | <20 |
| CC42119 | | <1 | 0.06 | 20 | 0.28 | 171 | <1 | 0.13 | 9 | 700 | 10 | 0.07 | <2 | 2 | 29 | <20 |
| CC42120 | | <1 | 0.04 | 10 | 0.23 | 97 | <1 | 0.02 | 10 | 560 | 20 | 0.07 | <2 | 1 | 17 | <20 |
| CC42121 | | <1 | 0.05 | 10 | 0.26 | 122 | 1 | 0.02 | 13 | 760 | 161 | 0.11 | 3 | 1 | 16 | <20 |
| CC42122 | | <1 | 0.10 | 20 | 0.56 | 202 | 1 | 0.02 | 21 | 800 | 407 | 0.15 | 20 | 2 | 39 | <20 |
| CC42123 | | <1 | 0.08 | 30 | 0.36 | 439 | 2 | 0.03 | 26 | 1310 | 358 | 0.19 | 17 | 1 | 48 | <20 |
| CC42124 | | <1 | 0.11 | 20 | 0.65 | 323 | 3 | 0.01 | 21 | 710 | 314 | 0.08 | 10 | 3 | 38 | <20 |
| CC42125 | | <1 | 0.11 | 20 | 0.79 | 523 | 3 | 0.01 | 34 | 1020 | 845 | 0.13 | 17 | 4 | 36 | <20 |
| CC42126 | | <1 | 0.10 | 20 | 0.77 | 1400 | 2 | 0.02 | 39 | 1250 | 686 | 0.16 | 7 | 3 | 42 | <20 |
| CC42127 | | <1 | 0.12 | 10 | 0.84 | 563 | 1 | 0.02 | 25 | 780 | 90 | 0.08 | <2 | 3 | 43 | <20 |
| CC42128 | | <1 | 0.15 | 20 | 0.78 | 3730 | 1 | 0.02 | 28 | 1080 | 170 | 0.14 | <2 | 3 | 49 | <20 |
| CC42129 | | <1 | 0.30 | 20 | 1.25 | 1160 | 1 | 0.01 | 27 | 770 | 116 | 0.06 | <2 | 5 | 55 | <20 |
| CC42130 | | <1 | 0.15 | 10 | 0.86 | 457 | <1 | 0.03 | 22 | 660 | 69 | 0.03 | <2 | 3 | 28 | <20 |
| CC42131 | | <1 | 0.08 | 10 | 0.43 | 1540 | <1 | 0.02 | 13 | 1020 | 56 | 0.12 | <2 | 2 | 36 | <20 |
| CC42132 | | <1 | 0.07 | 20 | 0.33 | 1490 | 1 | 0.02 | 17 | 1630 | 95 | 0.22 | <2 | 1 | 63 | <20 |
| CC42133 | | <1 | 0.09 | 10 | 0.55 | 2210 | 1 | 0.01 | 20 | 1270 | 83 | 0.12 | <2 | 2 | 30 | <20 |
| CC42134 | | <1 | 0.09 | 10 | 0.62 | 491 | <1 | 0.01 | 20 | 610 | 61 | 0.02 | 2 | 3 | 22 | <20 |
| CC42135 | | <1 | 0.09 | 10 | 0.57 | 394 | <1 | 0.01 | 18 | 540 | 43 | 0.03 | <2 | 3 | 29 | <20 |
| CC42136 | | <1 | 0.09 | 10 | 0.63 | 298 | <1 | 0.01 | 20 | 650 | 56 | 0.02 | 2 | 3 | 26 | <20 |
| CC42137 | | <1 | 0.08 | 10 | 0.44 | 595 | 17 | 0.01 | 17 | 770 | 54 | 0.07 | <2 | 2 | 25 | <20 |
| CC42138 | | <1 | 0.08 | 10 | 0.44 | 390 | 5 | 0.03 | 16 | 710 | 58 | 0.07 | <2 | 2 | 29 | <20 |
| CC42139 | | <1 | 0.09 | 10 | 0.63 | 299 | 5 | 0.04 | 18 | 670 | 66 | 0.03 | <2 | 3 | 26 | <20 |
| CC42140 | | <1 | 0.06 | 20 | 0.31 | 873 | 15 | 0.02 | 16 | 1720 | 128 | 0.14 | <2 | 1 | 25 | <20 |

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Finalized Date: 21-OCT-2007
Account: RCM

Project: CONNAUGHT - GRID A and GRID B

## CERTIFICATE OF ANALYSIS VA07109376

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC42101 | | 0.05 | <10 | <10 | 31 | <10 | 75 |
| CC42102 | | 0.05 | <10 | <10 | 44 | <10 | 102 |
| CC42103 | | 0.05 | <10 | <10 | 38 | <10 | 78 |
| CC42104 | | 0.09 | <10 | <10 | 55 | <10 | 165 |
| CC42105 | | 0.06 | <10 | <10 | 47 | <10 | 112 |
| CC42106 | | 0.02 | <10 | <10 | 14 | <10 | 31 |
| CC42107 | | 0.05 | 10 | <10 | 38 | <10 | 86 |
| CC42108 | | 0.02 | 10 | <10 | 15 | <10 | 16 |
| CC42109 | | 0.04 | <10 | <10 | 25 | <10 | 98 |
| CC42110 | | 0.04 | <10 | <10 | 26 | <10 | 37 |
| CC42111 | | 0.03 | <10 | <10 | 23 | <10 | 39 |
| CC42112 | | 0.05 | <10 | <10 | 47 | <10 | 61 |
| CC42113 | | 0.06 | 10 | <10 | 47 | <10 | 56 |
| CC42114 | | 0.03 | <10 | <10 | 24 | <10 | 29 |
| CC42115 | | 0.02 | <10 | <10 | 18 | <10 | 27 |
| CC42116 | | 0.05 | <10 | <10 | 37 | <10 | 31 |
| CC42117 | | 0.04 | <10 | <10 | 35 | <10 | 49 |
| CC42118 | | 0.04 | <10 | <10 | 25 | <10 | 52 |
| CC42119 | | 0.04 | <10 | <10 | 25 | <10 | 44 |
| CC42120 | | 0.05 | <10 | <10 | 39 | <10 | 41 |
| CC42121 | | 0.04 | <10 | <10 | 31 | <10 | 125 |
| CC42122 | | 0.05 | <10 | <10 | 47 | <10 | 260 |
| CC42123 | | 0.03 | <10 | <10 | 38 | <10 | 290 |
| CC42124 | | 0.07 | 10 | <10 | 66 | <10 | 316 |
| CC42125 | | 0.06 | <10 | <10 | 64 | <10 | 421 |
| CC42126 | | 0.06 | <10 | <10 | 66 | <10 | 425 |
| CC42127 | | 0.08 | <10 | <10 | 65 | <10 | 311 |
| CC42128 | | 0.07 | 10 | <10 | 60 | <10 | 302 |
| CC42129 | | 0.11 | <10 | <10 | 71 | <10 | 333 |
| CC42130 | | 0.09 | 10 | <10 | 57 | <10 | 168 |
| CC42131 | | 0.05 | <10 | <10 | 45 | <10 | 99 |
| CC42132 | | 0.03 | 10 | <10 | 48 | <10 | 101 |
| CC42133 | | 0.06 | 10 | <10 | 57 | <10 | 139 |
| CC42134 | | 0.08 | 10 | <10 | 51 | <10 | 127 |
| CC42135 | | 0.08 | <10 | <10 | 48 | <10 | 112 |
| CC42136 | | 0.08 | <10 | <10 | 50 | <10 | 118 |
| CC42137 | | 0.05 | <10 | <10 | 43 | <10 | 83 |
| CC42138 | | 0.05 | <10 | <10 | 37 | <10 | 80 |
| CC42139 | | 0.08 | <10 | <10 | 46 | <10 | 88 |
| CC42140 | | 0.02 | <10 | <10 | 30 | <10 | 78 |

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8


Finalized Date: 21-OCT-2007
Account: RCM

Project: CONNAUGHT - GRID A and GRID B

## CERTIFICATE OF ANALYSIS VA07109376

| Sample Description | Method / Analyte / Units / LOR | WEI-21 Recvd Wt. kg 0.02 | ME-ICP41 Ag ppm 0.2 | ME-ICP41 Al % 0.01 | ME-ICP41 As ppm 2 | ME-ICP41 B ppm 10 | ME-ICP41 Ba ppm 10 | ME-ICP41 Be ppm 0.5 | ME-ICP41 Bi ppm 2 | ME-ICP41 Ca % 0.01 | ME-ICP41 Cd ppm 0.5 | ME-ICP41 Co ppm 1 | ME-ICP41 Cr ppm 1 | ME-ICP41 Cu ppm 1 | ME-ICP41 Fe % 0.01 | ME-ICP41 Ga ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CC42141 | | 0.30 | <0.2 | 1.86 | 11 | <10 | 170 | <0.5 | <2 | 0.19 | <0.5 | 9 | 25 | 16 | 2.77 | 10 |
| CC42142 | | 0.18 | 0.3 | 0.65 | <2 | <10 | 90 | <0.5 | <2 | 0.15 | <0.5 | 2 | 7 | 8 | 0.93 | <10 |
| CC42143 | | 0.12 | 0.3 | 0.47 | 2 | <10 | 60 | <0.5 | 2 | 0.07 | <0.5 | 1 | 6 | 8 | 0.64 | <10 |
| CC42144 | | 0.16 | 0.8 | 0.83 | 3 | <10 | 100 | <0.5 | <2 | 0.11 | <0.5 | 2 | 10 | 19 | 0.93 | <10 |
| CC42145 | | 0.20 | 0.4 | 1.37 | 5 | <10 | 140 | <0.5 | <2 | 0.18 | <0.5 | 4 | 15 | 59 | 1.68 | 10 |
| CC42146 | | 0.12 | 0.5 | 0.46 | 3 | <10 | 110 | <0.5 | <2 | 0.13 | 0.9 | 1 | 6 | 15 | 0.65 | <10 |
| CC42147 | | 0.20 | <0.2 | 0.33 | <2 | <10 | 70 | <0.5 | <2 | 0.31 | <0.5 | 2 | 4 | 18 | 0.55 | <10 |
| CC42148 | | 0.22 | 0.4 | 0.73 | <2 | <10 | 90 | <0.5 | <2 | 0.13 | <0.5 | 3 | 9 | 15 | 1.11 | 10 |
| CC42149 | | 0.14 | 0.3 | 1.20 | 3 | <10 | 120 | <0.5 | 3 | 0.19 | <0.5 | 4 | 18 | 16 | 1.69 | 10 |
| CC42150 | | 0.12 | <0.2 | 0.83 | <2 | <10 | 120 | <0.5 | <2 | 0.14 | <0.5 | 3 | 13 | 20 | 1.28 | <10 |
| CC42151 | | 0.16 | 1.9 | 0.55 | 42 | <10 | 30 | <0.5 | 2 | 0.10 | 0.9 | 3 | 6 | 15 | 1.28 | <10 |
| CC42152 | | 0.28 | 1.7 | 1.49 | 65 | <10 | 80 | 0.5 | 7 | 0.22 | 1.1 | 5 | 23 | 86 | 2.42 | 10 |
| CC42153 | | 0.30 | 1.5 | 2.52 | 133 | <10 | 200 | 0.9 | 5 | 0.23 | 1.4 | 7 | 31 | 52 | 3.06 | 10 |
| CC42154 | | 0.26 | 1.6 | 2.05 | 76 | <10 | 190 | 1.2 | 3 | 0.31 | 1.3 | 9 | 21 | 63 | 2.75 | 10 |
| CC42155 | | 0.22 | 1.4 | 2.31 | 116 | <10 | 190 | 1.5 | 6 | 0.23 | 1.3 | 10 | 28 | 60 | 2.76 | 10 |
| CC42156 | | 0.24 | 1.6 | 2.86 | 172 | <10 | 270 | 1.7 | 7 | 0.32 | 1.3 | 10 | 39 | 81 | 3.15 | 10 |
| CC42157 | | 0.22 | 0.5 | 1.83 | 67 | <10 | 100 | 0.8 | 5 | 0.17 | 0.6 | 6 | 22 | 32 | 2.43 | 10 |
| CC42158 | | 0.26 | 0.8 | 1.62 | 35 | <10 | 130 | 0.8 | 5 | 0.20 | 1.0 | 6 | 29 | 26 | 1.78 | 10 |
| CC42159 | | 0.28 | 1.9 | 2.57 | 41 | <10 | 160 | 1.5 | 3 | 0.32 | <0.5 | 7 | 40 | 57 | 2.14 | 10 |
| CC42160 | | 0.26 | 0.6 | 2.41 | 58 | <10 | 170 | 1.2 | 4 | 0.38 | <0.5 | 9 | 37 | 48 | 2.52 | 10 |
| CC42161 | | 0.16 | 2.0 | 1.81 | 71 | <10 | 110 | 0.7 | 7 | 0.31 | 0.7 | 9 | 31 | 70 | 2.30 | 10 |
| CC42162 | | 0.26 | 1.5 | 2.10 | 134 | <10 | 160 | 0.8 | 4 | 0.31 | <0.5 | 19 | 35 | 76 | 2.69 | 10 |
| CC42163 | | 0.24 | 1.2 | 1.97 | 78 | <10 | 160 | 0.7 | 4 | 0.28 | 0.9 | 7 | 28 | 60 | 2.41 | 10 |
| CC42164 | | 0.28 | 0.6 | 2.07 | 46 | <10 | 140 | 0.5 | 3 | 0.20 | <0.5 | 6 | 29 | 36 | 2.15 | 10 |
| CC42165 | | 0.22 | 0.6 | 1.95 | 67 | <10 | 230 | 0.6 | 2 | 0.27 | <0.5 | 9 | 29 | 34 | 2.46 | 10 |
| CC42166 | | 0.16 | 0.9 | 2.33 | 76 | <10 | 140 | 0.7 | 7 | 0.10 | <0.5 | 8 | 29 | 57 | 2.93 | 10 |
| CC42167 | | 0.22 | 0.8 | 2.08 | 83 | <10 | 190 | 0.8 | 4 | 0.23 | 0.5 | 7 | 30 | 54 | 2.74 | 10 |
| CC42168 | | 0.20 | 0.6 | 0.75 | 19 | <10 | 70 | <0.5 | 3 | 0.09 | <0.5 | 2 | 11 | 17 | 0.97 | <10 |
| CC42169 | | 0.14 | 0.3 | 0.52 | 10 | <10 | 60 | <0.5 | 4 | 0.08 | <0.5 | 2 | 8 | 10 | 0.76 | <10 |
| CC42170 | | 0.12 | 0.9 | 0.63 | 6 | <10 | 70 | <0.5 | 4 | 0.10 | <0.5 | 2 | 9 | 19 | 0.73 | <10 |
| CC42171 | | 0.24 | 0.5 | 1.82 | 41 | <10 | 130 | <0.5 | 4 | 0.21 | <0.5 | 6 | 27 | 33 | 2.41 | <10 |
| CC42172 | | 0.26 | 1.5 | 1.92 | 151 | <10 | 140 | 0.6 | 4 | 0.20 | 0.5 | 29 | 28 | 52 | 3.36 | 10 |
| CC42173 | | 0.24 | 1.1 | 2.28 | 81 | <10 | 190 | 0.6 | 3 | 0.28 | <0.5 | 7 | 30 | 42 | 2.76 | 10 |
| CC42174 | | 0.24 | 0.5 | 1.06 | <2 | <10 | 80 | <0.5 | <2 | 0.16 | <0.5 | 2 | 7 | 27 | 0.76 | <10 |
| CC42175 | | 0.18 | <0.2 | 1.04 | 4 | <10 | 80 | <0.5 | 2 | 0.13 | <0.5 | 3 | 13 | 15 | 1.38 | <10 |
| CC42176 | | 0.22 | 0.3 | 0.59 | <2 | <10 | 50 | <0.5 | 3 | 0.08 | <0.5 | 2 | 8 | 8 | 0.93 | <10 |
| CC42177 | | 0.18 | 0.3 | 1.15 | 8 | <10 | 110 | <0.5 | <2 | 0.18 | <0.5 | 5 | 17 | 26 | 1.86 | <10 |
| CC42178 | | 0.14 | 0.3 | 1.65 | 5 | <10 | 170 | <0.5 | <2 | 0.24 | <0.5 | 7 | 25 | 33 | 2.53 | 10 |
| CC42179 | | 0.16 | <0.2 | 0.89 | <2 | <10 | 120 | <0.5 | <2 | 0.20 | <0.5 | 4 | 13 | 23 | 1.61 | 10 |
| CC42180 | | 0.22 | <0.2 | 1.18 | 10 | <10 | 120 | <0.5 | <2 | 0.21 | <0.5 | 4 | 16 | 17 | 1.79 | 10 |

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8


Finalized L .. 21-OCT-2007
Account: RCM

Project: CONNAUGHT - GRID A and GRID B

# CERTIFICATE OF ANALYSIS VA07109376

| 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 |
| CC42141 | | <1 | 0.07 | 10 | 0.48 | 389 | 2 | 0.01 | 16 | 180 | 12 | 0.01 | 2 | 3 | 14 | <20 |
| CC42142 | | <1 | 0.04 | 10 | 0.12 | 99 | <1 | 0.02 | 4 | 310 | 6 | 0.02 | <2 | 1 | 11 | <20 |
| CC42143 | | <1 | 0.03 | <10 | 0.07 | 41 | 1 | 0.01 | <1 | 340 | 6 | 0.02 | <2 | <1 | 8 | <20 |
| CC42144 | | <1 | 0.05 | 10 | 0.17 | 92 | <1 | 0.02 | 6 | 440 | 14 | 0.03 | <2 | 1 | 12 | <20 |
| CC42145 | | <1 | 0.06 | 10 | 0.35 | 173 | 1 | 0.02 | 10 | 260 | 33 | 0.01 | 2 | 2 | 15 | <20 |
| CC42146 | | <1 | 0.04 | <10 | 0.06 | 86 | <1 | 0.02 | 4 | 300 | 12 | 0.02 | <2 | <1 | 12 | <20 |
| CC42147 | | <1 | 0.03 | 10 | 0.04 | 90 | <1 | 0.02 | 2 | 430 | <2 | 0.04 | <2 | <1 | 15 | <20 |
| CC42148 | | <1 | 0.04 | 10 | 0.15 | 106 | 1 | 0.02 | 5 | 280 | 17 | 0.02 | <2 | 1 | 10 | <20 |
| CC42149 | | <1 | 0.06 | 10 | 0.36 | 234 | <1 | 0.02 | 8 | 350 | 17 | 0.03 | 2 | 2 | 15 | <20 |
| CC42150 | | <1 | 0.05 | 10 | 0.26 | 119 | 1 | 0.01 | 7 | 480 | 13 | 0.04 | <2 | 1 | 11 | <20 |
| CC42151 | | <1 | 0.03 | <10 | 0.11 | 77 | 1 | 0.02 | <1 | 330 | 123 | 0.03 | 3 | 1 | 10 | <20 |
| CC42152 | | <1 | 0.15 | 20 | 0.62 | 215 | 2 | 0.01 | 12 | 610 | 444 | 0.08 | 4 | 2 | 20 | <20 |
| CC42153 | | <1 | 0.25 | 20 | 1.05 | 272 | 2 | 0.01 | 17 | 710 | 152 | 0.05 | 8 | 4 | 26 | <20 |
| CC42154 | | <1 | 0.28 | 20 | 0.89 | 451 | 3 | 0.01 | 13 | 600 | 210 | 0.08 | 6 | 2 | 60 | <20 |
| CC42155 | | <1 | 0.25 | 20 | 0.84 | 538 | 2 | 0.02 | 11 | 670 | 140 | 0.07 | 4 | 2 | 48 | <20 |
| CC42156 | | <1 | 0.39 | 20 | 1.29 | 620 | 2 | 0.01 | 13 | 540 | 168 | 0.07 | 5 | 4 | 57 | <20 |
| CC42157 | | <1 | 0.09 | 10 | 0.51 | 288 | 4 | 0.02 | 15 | 390 | 80 | 0.05 | 3 | 2 | 24 | <20 |
| CC42158 | | <1 | 0.13 | 10 | 0.63 | 201 | 3 | 0.01 | 13 | 450 | 39 | 0.04 | 3 | 2 | 29 | <20 |
| CC42159 | | <1 | 0.15 | 20 | 0.85 | 224 | 2 | 0.01 | 18 | 650 | 74 | 0.07 | 3 | 4 | 35 | <20 |
| CC42160 | | <1 | 0.20 | 20 | 0.90 | 598 | 1 | 0.01 | 19 | 600 | 53 | 0.03 | 3 | 4 | 37 | <20 |
| CC42161 | | <1 | 0.12 | 10 | 0.55 | 319 | 3 | 0.02 | 18 | 830 | 80 | 0.07 | 2 | 3 | 32 | <20 |
| CC42162 | | <1 | 0.15 | 10 | 0.74 | 801 | 2 | 0.01 | 23 | 640 | 73 | 0.04 | 5 | 4 | 35 | <20 |
| CC42163 | | <1 | 0.08 | 20 | 0.66 | 265 | 1 | 0.02 | 16 | 600 | 56 | 0.04 | 2 | 3 | 28 | <20 |
| CC42164 | | <1 | 0.06 | 10 | 0.55 | 233 | 1 | 0.01 | 15 | 600 | 47 | 0.04 | 2 | 3 | 20 | <20 |
| CC42165 | | <1 | 0.07 | 10 | 0.56 | 398 | 1 | 0.02 | 17 | 680 | 59 | 0.05 | 3 | 3 | 27 | <20 |
| CC42166 | | <1 | 0.09 | 20 | 0.55 | 336 | 5 | 0.01 | 17 | 760 | 84 | 0.07 | 3 | 3 | 17 | <20 |
| CC42167 | | 1 | 0.11 | 20 | 0.61 | 266 | 6 | 0.02 | 19 | 620 | 73 | 0.07 | 2 | 3 | 28 | <20 |
| CC42168 | | <1 | 0.04 | 10 | 0.18 | 72 | 3 | 0.02 | 7 | 360 | 23 | 0.03 | <2 | 1 | 12 | <20 |
| CC42169 | | <1 | 0.03 | <10 | 0.12 | 49 | 1 | 0.02 | 2 | 270 | 18 | 0.02 | <2 | <1 | 11 | <20 |
| CC42170 | | <1 | 0.03 | <10 | 0.12 | 41 | 3 | 0.02 | 5 | 570 | 9 | 0.05 | <2 | <1 | 13 | <20 |
| CC42171 | | <1 | 0.08 | 10 | 0.52 | 187 | 9 | 0.01 | 19 | 600 | 38 | 0.03 | 2 | 2 | 19 | <20 |
| CC42172 | | <1 | 0.11 | 20 | 0.61 | 995 | 16 | 0.01 | 16 | 860 | 172 | 0.05 | 4 | 3 | 24 | <20 |
| CC42173 | | <1 | 0.07 | 10 | 0.62 | 232 | 27 | 0.02 | 17 | 910 | 81 | 0.08 | 2 | 3 | 26 | <20 |
| CC42174 | | <1 | 0.03 | 10 | 0.10 | 40 | 1 | 0.03 | 3 | 360 | 10 | 0.03 | <2 | 1 | 12 | <20 |
| CC42175 | | <1 | 0.05 | <10 | 0.35 | 142 | 1 | 0.02 | 6 | 200 | 10 | 0.01 | <2 | 2 | 10 | <20 |
| CC42176 | | <1 | 0.03 | <10 | 0.12 | 57 | 1 | 0.02 | 4 | 230 | 4 | 0.03 | <2 | 1 | 9 | <20 |
| CC42177 | | <1 | 0.05 | 10 | 0.41 | 243 | 1 | 0.01 | 10 | 270 | 39 | 0.03 | 2 | 2 | 15 | <20 |
| CC42178 | | 1 | 0.07 | 10 | 0.50 | 309 | 1 | 0.03 | 12 | 450 | 30 | 0.05 | 4 | 2 | 19 | <20 |
| CC42179 | | 1 | 0.05 | 10 | 0.28 | 145 | 1 | 0.02 | 6 | 300 | 10 | 0.04 | 3 | 1 | 16 | <20 |
| CC42180 | | <1 | 0.04 | 10 | 0.38 | 151 | 1 | 0.02 | 10 | 260 | 15 | 0.04 | 3 | 2 | 14 | <20 |

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


Finalized Date: 21-OCT-2007
Account: RCM

Project: CONNAUGHT - GRID A and GRID B

## CERTIFICATE OF ANALYSIS VA07109376

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC42141 | | 0.06 | <10 | <10 | 58 | <10 | 56 |
| CC42142 | | 0.04 | <10 | <10 | 19 | <10 | 18 |
| CC42143 | | 0.03 | <10 | <10 | 19 | <10 | 15 |
| CC42144 | | 0.03 | <10 | <10 | 23 | <10 | 35 |
| CC42145 | | 0.05 | <10 | <10 | 35 | <10 | 55 |
| CC42146 | | 0.03 | <10 | <10 | 18 | <10 | 21 |
| CC42147 | | 0.02 | <10 | <10 | 14 | <10 | 13 |
| CC42148 | | 0.04 | <10 | <10 | 28 | <10 | 27 |
| CC42149 | | 0.05 | <10 | <10 | 38 | <10 | 52 |
| CC42150 | | 0.04 | <10 | <10 | 27 | <10 | 33 |
| CC42151 | | 0.06 | <10 | <10 | 32 | <10 | 41 |
| CC42152 | | 0.08 | <10 | <10 | 47 | <10 | 145 |
| CC42153 | | 0.10 | <10 | <10 | 61 | <10 | 199 |
| CC42154 | | 0.10 | <10 | <10 | 49 | <10 | 298 |
| CC42155 | | 0.09 | <10 | <10 | 52 | <10 | 245 |
| CC42156 | | 0.11 | <10 | <10 | 55 | <10 | 331 |
| CC42157 | | 0.08 | <10 | <10 | 44 | <10 | 127 |
| CC42158 | | 0.08 | <10 | <10 | 35 | <10 | 121 |
| CC42159 | | 0.09 | <10 | <10 | 49 | <10 | 158 |
| CC42160 | | 0.09 | <10 | <10 | 49 | <10 | 120 |
| CC42161 | | 0.07 | <10 | <10 | 44 | <10 | 95 |
| CC42162 | | 0.09 | <10 | <10 | 51 | <10 | 114 |
| CC42163 | | 0.07 | <10 | <10 | 46 | <10 | 145 |
| CC42164 | | 0.07 | <10 | <10 | 46 | 10 | 99 |
| CC42165 | | 0.07 | <10 | <10 | 51 | <10 | 105 |
| CC42166 | | 0.07 | <10 | <10 | 51 | <10 | 118 |
| CC42167 | | 0.08 | <10 | <10 | 50 | 10 | 127 |
| CC42168 | | 0.04 | <10 | <10 | 20 | <10 | 38 |
| CC42169 | | 0.03 | <10 | <10 | 18 | <10 | 20 |
| CC42170 | | 0.02 | <10 | <10 | 13 | <10 | 22 |
| CC42171 | | 0.07 | <10 | <10 | 46 | 10 | 79 |
| CC42172 | | 0.08 | <10 | <10 | 52 | 10 | 133 |
| CC42173 | | 0.06 | <10 | <10 | 47 | <10 | 120 |
| CC42174 | | 0.03 | <10 | <10 | 15 | <10 | 33 |
| CC42175 | | 0.06 | <10 | <10 | 31 | <10 | 42 |
| CC42176 | | 0.03 | <10 | <10 | 22 | <10 | 21 |
| CC42177 | | 0.05 | <10 | <10 | 39 | <10 | 76 |
| CC42178 | | 0.07 | <10 | <10 | 50 | <10 | 66 |
| CC42179 | | 0.06 | <10 | <10 | 41 | <10 | 40 |
| CC42180 | | 0.06 | <10 | <10 | 37 | <10 | 51 |

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VANCOUVER BC V6B 1L8



Project: CONNAUGHT - GRID A and GRID B

# CERTIFICATE OF ANALYSIS VA07109376

| Sample Description | Method / Analyte / Units / LOR | WEI-21 Recvd Wt. kg 0.02 | ME-ICP41 Ag ppm 0.2 | ME-ICP41 Al % 0.01 | ME-ICP41 As ppm 2 | ME-ICP41 B ppm 10 | ME-ICP41 Ba ppm 10 | ME-ICP41 Be ppm 0.5 | ME-ICP41 Bi ppm 2 | ME-ICP41 Ca % 0.01 | ME-ICP41 Cd ppm 0.5 | ME-ICP41 Co ppm 1 | ME-ICP41 Cr ppm 1 | ME-ICP41 Cu ppm 1 | ME-ICP41 Fe % 0.01 | ME-ICP41 Ga ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CC42181 | | 0.14 | 0.2 | 1.11 | 5 | <10 | 160 | <0.5 | 2 | 0.42 | 0.9 | 5 | 19 | 34 | 1.70 | <10 |
| CC42182 | | 0.34 | 0.9 | 1.84 | 113 | <10 | 120 | 0.7 | 10 | 0.17 | 0.6 | 5 | 20 | 59 | 2.76 | 10 |
| CC42183 | | 0.16 | 2.5 | 0.98 | 27 | <10 | 140 | 0.8 | 4 | 0.28 | 1.8 | 4 | 14 | 37 | 1.42 | <10 |
| CC42184 | | 0.22 | 0.7 | 1.63 | 65 | <10 | 80 | <0.5 | 4 | 0.19 | <0.5 | 5 | 21 | 25 | 2.29 | 10 |
| CC42185 | | 0.20 | 1.2 | 1.92 | 41 | <10 | 130 | 1.6 | 5 | 0.70 | 0.6 | 8 | 30 | 78 | 2.19 | 10 |
| CC42186 | | 0.22 | 0.8 | 1.63 | 23 | <10 | 130 | 1.1 | 2 | 0.40 | 0.6 | 7 | 22 | 37 | 2.04 | 10 |
| CC42187 | | 0.18 | 1.4 | 2.16 | 34 | <10 | 170 | 0.9 | 4 | 0.48 | 0.8 | 10 | 51 | 74 | 2.73 | 10 |
| CC42188 | | 0.14 | 1.3 | 2.02 | 30 | <10 | 190 | 1.2 | 5 | 0.59 | 0.6 | 11 | 39 | 74 | 2.45 | 10 |
| CC42189 | | 0.16 | 1.7 | 1.26 | 38 | <10 | 150 | 0.6 | 4 | 0.32 | 0.6 | 7 | 30 | 65 | 1.80 | <10 |
| CC42190 | | 0.18 | 1.0 | 2.02 | 28 | <10 | 140 | 0.6 | 5 | 0.32 | <0.5 | 16 | 36 | 49 | 2.67 | 10 |
| CC42191 | | 0.32 | 1.5 | 2.29 | 45 | <10 | 180 | 0.7 | 8 | 0.34 | 0.5 | 10 | 42 | 76 | 2.74 | 10 |
| CC42192 | | 0.18 | 3.4 | 1.78 | 239 | <10 | 110 | 0.7 | 5 | 0.22 | 3.1 | 10 | 36 | 81 | 2.62 | 10 |
| CC42193 | | 0.36 | 2.5 | 2.38 | 244 | <10 | 130 | 1.0 | 7 | 0.29 | 0.6 | 10 | 40 | 291 | 7.08 | 20 |
| CC42194 | | 0.34 | 1.5 | 1.70 | 101 | <10 | 120 | 0.5 | 5 | 0.18 | 0.5 | 7 | 30 | 51 | 2.78 | 10 |
| CC42195 | | 0.12 | 0.9 | 1.49 | 60 | <10 | 110 | 0.5 | 5 | 0.21 | 0.6 | 9 | 25 | 41 | 2.61 | <10 |
| CC42196 | | 0.18 | 0.9 | 1.64 | 60 | <10 | 140 | 0.6 | 4 | 0.32 | 0.5 | 29 | 28 | 44 | 2.89 | 10 |
| CC42197 | | 0.10 | 1.3 | 0.63 | 9 | <10 | 100 | <0.5 | 2 | 0.17 | <0.5 | 3 | 8 | 13 | 0.89 | <10 |
| CC42198 | | 0.20 | 0.7 | 0.69 | 17 | <10 | 80 | <0.5 | 4 | 0.14 | 0.5 | 5 | 12 | 21 | 1.45 | <10 |
| CC42199 | | 0.18 | 1.2 | 1.71 | 99 | <10 | 170 | 0.7 | 3 | 0.27 | 0.6 | 44 | 28 | 63 | 2.72 | 10 |

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Project: CONNAUGHT - GRID A and GRID B

## CERTIFICATE OF ANALYSIS VA07109376

| 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 |
| CC42181 | | <1 | 0.06 | 10 | 0.31 | 152 | <1 | 0.02 | 13 | 500 | 25 | 0.07 | <2 | 2 | 26 | <20 |
| CC42182 | | <1 | 0.32 | 20 | 0.86 | 296 | 3 | 0.01 | 11 | 550 | 88 | 0.18 | 5 | 3 | 21 | <20 |
| CC42183 | | <1 | 0.09 | 20 | 0.32 | 169 | 2 | 0.02 | 8 | 1170 | 35 | 0.18 | <2 | 1 | 39 | <20 |
| CC42184 | | 1 | 0.07 | 10 | 0.44 | 189 | 1 | 0.01 | 11 | 450 | 36 | 0.04 | 2 | 2 | 19 | <20 |
| CC42185 | | <1 | 0.16 | 40 | 0.71 | 526 | 2 | 0.02 | 15 | 1040 | 41 | 0.13 | 3 | 3 | 61 | <20 |
| CC42186 | | <1 | 0.14 | 20 | 0.61 | 298 | 1 | 0.02 | 12 | 820 | 23 | 0.10 | <2 | 2 | 39 | <20 |
| CC42187 | | 1 | 0.22 | 20 | 1.02 | 561 | 1 | 0.02 | 27 | 980 | 44 | 0.12 | <2 | 3 | 53 | <20 |
| CC42188 | | 1 | 0.17 | 20 | 0.82 | 562 | 1 | 0.02 | 21 | 950 | 48 | 0.11 | 3 | 3 | 57 | <20 |
| CC42189 | | <1 | 0.15 | 20 | 0.45 | 305 | 1 | 0.02 | 16 | 1010 | 41 | 0.10 | 2 | 2 | 33 | <20 |
| CC42190 | | <1 | 0.19 | 10 | 1.04 | 693 | 1 | 0.01 | 20 | 530 | 48 | 0.04 | 3 | 4 | 33 | <20 |
| CC42191 | | <1 | 0.22 | 10 | 1.11 | 335 | 1 | 0.01 | 23 | 440 | 44 | 0.03 | 4 | 5 | 35 | <20 |
| CC42192 | | <1 | 0.16 | 10 | 0.65 | 436 | 2 | 0.01 | 23 | 720 | 155 | 0.08 | 15 | 3 | 26 | <20 |
| CC42193 | | <1 | 0.82 | 20 | 1.49 | 355 | 3 | 0.02 | 23 | 580 | 180 | 0.54 | 2 | 6 | 42 | <20 |
| CC42194 | | <1 | 0.17 | 10 | 0.63 | 167 | 4 | 0.01 | 17 | 780 | 112 | 0.06 | 3 | 3 | 20 | <20 |
| CC42195 | | 1 | 0.16 | 10 | 0.55 | 230 | 8 | 0.01 | 15 | 720 | 60 | 0.07 | <2 | 2 | 23 | <20 |
| CC42196 | | 1 | 0.19 | 20 | 0.62 | 801 | 13 | 0.02 | 20 | 770 | 40 | 0.07 | 2 | 4 | 30 | <20 |
| CC42197 | | <1 | 0.05 | 10 | 0.08 | 69 | 2 | 0.02 | 5 | 960 | 10 | 0.10 | <2 | <1 | 22 | <20 |
| CC42198 | | <1 | 0.07 | 10 | 0.22 | 156 | 4 | 0.02 | 8 | 490 | 15 | 0.05 | 2 | 1 | 16 | <20 |
| CC42199 | | 1 | 0.10 | 20 | 0.63 | 2520 | 8 | 0.01 | 18 | 830 | 172 | 0.07 | 4 | 2 | 29 | <20 |

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Project: CONNAUGHT - GRID A and GRID B

## CERTIFICATE OF ANALYSIS VA07109376

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC42181 | | 0.04 | <10 | <10 | 37 | <10 | 64 |
| CC42182 | | 0.08 | <10 | <10 | 40 | <10 | 108 |
| CC42183 | | 0.03 | <10 | <10 | 23 | <10 | 65 |
| CC42184 | | 0.09 | <10 | <10 | 56 | <10 | 67 |
| CC42185 | | 0.06 | <10 | <10 | 40 | <10 | 81 |
| CC42186 | | 0.07 | <10 | <10 | 39 | <10 | 61 |
| CC42187 | | 0.08 | <10 | <10 | 57 | <10 | 86 |
| CC42188 | | 0.08 | <10 | <10 | 49 | <10 | 83 |
| CC42189 | | 0.05 | <10 | <10 | 36 | <10 | 56 |
| CC42190 | | 0.10 | <10 | <10 | 55 | <10 | 82 |
| CC42191 | | 0.11 | <10 | <10 | 54 | <10 | 96 |
| CC42192 | | 0.07 | <10 | <10 | 45 | <10 | 249 |
| CC42193 | | 0.12 | <10 | <10 | 53 | 100 | 136 |
| CC42194 | | 0.08 | <10 | <10 | 44 | 10 | 76 |
| CC42195 | | 0.08 | <10 | <10 | 43 | <10 | 71 |
| CC42196 | | 0.09 | <10 | <10 | 48 | 10 | 74 |
| CC42197 | | 0.03 | <10 | <10 | 17 | <10 | 32 |
| CC42198 | | 0.05 | <10 | <10 | 30 | <10 | 34 |
| CC42199 | | 0.06 | <10 | <10 | 46 | 10 | 116 |

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Finalized D 18-OCT-2007
Account: RCM

## CERTIFICATE VA07109374

Project: CONNAUGHT - GRID A and GRID B

P.O. No.:

This report is for 200 Soil samples submitted to our lab in Vancouver, BC, Canada on 13-SEP-2007.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| AL ARCHER<br>BILL WENGZYNOWSKI | DOUG EATON | JOAN MARIACHER |

## 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 |
|---|---|---|
| ME-ICP41 | 35 Element Aqua Regia ICP-AES | ICP-AES |

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

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

**Signature:** Lawrence Ng

Lawrence Ng, Laboratory Manager - Vancouver

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Project: CONNAUGHT - GRID A and GRID B

## CERTIFICATE OF ANALYSIS VA07109374

| 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 |
| CC41501 | | 0.34 | 0.2 | 1.92 | 59 | <10 | 150 | 0.8 | 2 | 0.22 | <0.5 | 7 | 26 | 45 | 2.59 | 10 |
| CC41502 | | 0.22 | 1.0 | 1.57 | 64 | <10 | 120 | 0.5 | 5 | 0.14 | <0.5 | 5 | 22 | 63 | 2.25 | 10 |
| CC41503 | | 0.20 | 1.8 | 1.61 | 101 | <10 | 120 | 0.5 | 7 | 0.17 | <0.5 | 5 | 19 | 83 | 2.17 | 10 |
| CC41504 | | 0.18 | 1.7 | 2.07 | 219 | <10 | 170 | 0.7 | 7 | 0.23 | 0.7 | 7 | 34 | 85 | 2.82 | 10 |
| CC41505 | | 0.28 | 1.3 | 1.68 | 77 | <10 | 110 | 0.5 | 5 | 0.18 | <0.5 | 6 | 21 | 51 | 2.55 | 10 |
| CC41506 | | 0.24 | 1.5 | 1.63 | 82 | <10 | 80 | <0.5 | 21 | 0.14 | <0.5 | 5 | 20 | 69 | 2.62 | 10 |
| CC41507 | | 0.14 | 2.8 | 1.41 | 89 | <10 | 70 | <0.5 | 8 | 0.08 | <0.5 | 3 | 13 | 98 | 2.23 | <10 |
| CC41508 | | 0.34 | 1.4 | 1.52 | 168 | <10 | 70 | <0.5 | 9 | 0.08 | <0.5 | 3 | 17 | 96 | 2.76 | 10 |
| CC41509 | | 0.24 | 0.7 | 1.83 | 71 | <10 | 80 | 0.8 | 10 | 0.08 | <0.5 | 4 | 17 | 111 | 3.61 | 10 |
| CC41510 | | 0.22 | 0.7 | 1.13 | 58 | <10 | 70 | <0.5 | 11 | 0.07 | <0.5 | 3 | 14 | 52 | 2.49 | 10 |
| CC41511 | | 0.20 | 0.7 | 0.71 | 107 | <10 | 50 | <0.5 | 7 | 0.03 | <0.5 | 1 | 6 | 92 | 2.69 | <10 |
| CC41512 | | 0.22 | 0.9 | 0.77 | 30 | <10 | 70 | <0.5 | 9 | 0.04 | <0.5 | 1 | 9 | 60 | 2.41 | <10 |
| CC41513 | | 0.28 | 1.1 | 1.18 | 40 | <10 | 80 | <0.5 | 21 | 0.08 | <0.5 | 3 | 12 | 66 | 2.08 | <10 |
| CC41514 | | 0.24 | 0.6 | 0.95 | 97 | <10 | 80 | <0.5 | 9 | 0.08 | <0.5 | 3 | 13 | 39 | 2.59 | 10 |
| CC41515 | | 0.24 | 1.2 | 2.29 | 190 | <10 | 170 | 0.9 | 13 | 0.09 | <0.5 | 3 | 33 | 163 | 3.90 | 10 |
| CC41516 | | 0.22 | 0.8 | 1.24 | 93 | <10 | 110 | <0.5 | 5 | 0.10 | <0.5 | 4 | 20 | 67 | 2.02 | <10 |
| CC41517 | | 0.28 | 1.0 | 1.90 | 170 | <10 | 190 | 0.6 | 9 | 0.12 | <0.5 | 6 | 43 | 107 | 2.78 | 10 |
| CC41518 | | 0.28 | 1.1 | 2.21 | 140 | <10 | 110 | 0.6 | 11 | 0.21 | <0.5 | 6 | 35 | 118 | 3.23 | 10 |
| CC41519 | | 0.28 | 1.6 | 1.88 | 166 | <10 | 120 | 0.6 | 9 | 0.22 | 0.7 | 6 | 34 | 66 | 2.72 | 10 |
| CC41520 | | 0.34 | 1.1 | 1.50 | 60 | <10 | 130 | <0.5 | 8 | 0.19 | <0.5 | 4 | 22 | 46 | 2.03 | <10 |
| CC41521 | | 0.22 | 1.6 | 1.60 | 125 | <10 | 120 | <0.5 | 11 | 0.19 | <0.5 | 6 | 26 | 84 | 2.45 | 10 |
| CC41522 | | 0.34 | 1.2 | 1.89 | 58 | <10 | 110 | 0.6 | 20 | 0.23 | <0.5 | 5 | 36 | 165 | 2.53 | 10 |
| CC41523 | | 0.24 | 0.9 | 1.54 | 45 | <10 | 100 | 0.5 | 15 | 0.16 | <0.5 | 6 | 34 | 74 | 2.45 | 10 |
| CC41524 | | 0.32 | 1.4 | 2.26 | 55 | <10 | 100 | 1.0 | 16 | 0.21 | 0.5 | 6 | 49 | 222 | 2.76 | 10 |
| CC41525 | | 0.26 | <0.2 | 4.27 | 19 | <10 | 510 | 0.9 | 3 | 0.36 | <0.5 | 21 | 155 | 65 | 4.16 | 10 |
| CC41526 | | 0.34 | 0.4 | 2.79 | 37 | <10 | 160 | 0.8 | 5 | 0.15 | <0.5 | 7 | 52 | 107 | 3.26 | 10 |
| CC41527 | | 0.38 | <0.2 | 1.27 | 10 | <10 | 110 | 0.5 | <2 | 0.17 | <0.5 | 6 | 19 | 18 | 2.08 | <10 |
| CC41528 | | 0.26 | <0.2 | 1.76 | 12 | <10 | 110 | 0.6 | <2 | 0.13 | <0.5 | 8 | 23 | 16 | 2.72 | 10 |
| CC41529 | | 0.22 | 0.2 | 1.59 | 5 | <10 | 80 | 0.6 | <2 | 0.12 | <0.5 | 7 | 21 | 16 | 2.45 | 10 |
| CC41530 | | 0.24 | 0.3 | 1.32 | 5 | <10 | 70 | 0.6 | <2 | 0.11 | <0.5 | 5 | 17 | 16 | 2.11 | <10 |
| CC41531 | | 0.26 | <0.2 | 1.94 | 7 | <10 | 60 | 0.6 | <2 | 0.09 | <0.5 | 6 | 21 | 18 | 2.79 | 10 |
| CC41532 | | 0.22 | <0.2 | 1.92 | 7 | <10 | 70 | 0.9 | <2 | 0.10 | <0.5 | 6 | 20 | 19 | 2.65 | 10 |
| CC41533 | | 0.28 | 0.5 | 1.68 | 67 | <10 | 100 | 0.6 | 4 | 0.16 | <0.5 | 5 | 24 | 62 | 2.35 | 10 |
| CC41534 | | 0.24 | 1.7 | 1.68 | 99 | <10 | 120 | 0.5 | 7 | 0.16 | <0.5 | 5 | 21 | 96 | 2.19 | 10 |
| CC41535 | | 0.18 | 1.2 | 1.63 | 125 | <10 | 140 | 0.5 | 4 | 0.20 | <0.5 | 5 | 27 | 56 | 2.17 | 10 |
| CC41536 | | 0.28 | 1.4 | 1.79 | 80 | <10 | 90 | <0.5 | 12 | 0.14 | <0.5 | 6 | 24 | 69 | 2.96 | 10 |
| CC41537 | | 0.26 | 1.8 | 1.43 | 87 | <10 | 70 | <0.5 | 9 | 0.10 | <0.5 | 3 | 16 | 69 | 2.29 | 10 |
| CC41538 | | 0.28 | 1.1 | 1.56 | 89 | <10 | 80 | <0.5 | 8 | 0.13 | <0.5 | 3 | 19 | 62 | 2.61 | <10 |
| CC41539 | | 0.30 | 1.3 | 1.52 | 134 | <10 | 70 | <0.5 | 10 | 0.11 | <0.5 | 3 | 17 | 57 | 2.71 | 10 |
| CC41540 | | 0.36 | 7.1 | 1.65 | 109 | <10 | 50 | <0.5 | 19 | 0.09 | <0.5 | 2 | 16 | 98 | 3.56 | 10 |

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


Finalized Date: 18-OCT-2007
Account: RCM

Project: CONNAUGHT - GRID A and GRID B

## CERTIFICATE OF ANALYSIS VA07109374

| 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 |
| CC41501 | | <1 | 0.07 | 20 | 0.63 | 334 | 1 | 0.02 | 15 | 460 | 57 | 0.01 | <2 | 3 | 21 | <20 |
| CC41502 | | <1 | 0.06 | 20 | 0.47 | 179 | 1 | 0.02 | 15 | 380 | 38 | 0.02 | <2 | 2 | 19 | <20 |
| CC41503 | | 1 | 0.08 | 20 | 0.49 | 221 | 2 | 0.02 | 13 | 530 | 99 | 0.03 | <2 | 2 | 21 | <20 |
| CC41504 | | <1 | 0.13 | 20 | 0.74 | 279 | 2 | 0.02 | 21 | 530 | 100 | 0.04 | 2 | 3 | 29 | <20 |
| CC41505 | | <1 | 0.11 | 20 | 0.60 | 276 | 2 | 0.02 | 14 | 550 | 103 | 0.04 | <2 | 2 | 22 | <20 |
| CC41506 | | <1 | 0.14 | 30 | 0.62 | 227 | 2 | 0.01 | 12 | 430 | 195 | 0.05 | <2 | 3 | 14 | <20 |
| CC41507 | | <1 | 0.12 | 30 | 0.43 | 133 | 3 | 0.02 | 7 | 550 | 303 | 0.09 | <2 | 1 | 14 | <20 |
| CC41508 | | <1 | 0.12 | 40 | 0.46 | 150 | 3 | 0.01 | 9 | 350 | 277 | 0.07 | <2 | 2 | 13 | <20 |
| CC41509 | | 1 | 0.12 | 40 | 0.49 | 202 | 3 | 0.01 | 9 | 620 | 473 | 0.10 | <2 | 2 | 33 | 30 |
| CC41510 | | <1 | 0.12 | 30 | 0.42 | 155 | 2 | 0.01 | 9 | 220 | 228 | 0.10 | <2 | 2 | 10 | <20 |
| CC41511 | | <1 | 0.22 | 40 | 0.24 | 98 | 4 | 0.01 | 3 | 290 | 424 | 0.27 | <2 | 1 | 7 | 20 |
| CC41512 | | <1 | 0.22 | 50 | 0.27 | 90 | 3 | 0.02 | 4 | 340 | 376 | 0.32 | <2 | 1 | 10 | <20 |
| CC41513 | | <1 | 0.15 | 30 | 0.39 | 167 | 2 | 0.02 | 8 | 280 | 236 | 0.12 | <2 | 1 | 10 | <20 |
| CC41514 | | <1 | 0.13 | 40 | 0.28 | 155 | 2 | 0.02 | 8 | 330 | 161 | 0.14 | <2 | 1 | 11 | <20 |
| CC41515 | | <1 | 0.71 | 70 | 1.18 | 506 | 2 | 0.03 | 18 | 870 | 174 | 0.46 | <2 | 3 | 48 | 20 |
| CC41516 | | <1 | 0.15 | 20 | 0.41 | 140 | 2 | 0.02 | 8 | 380 | 90 | 0.11 | <2 | 1 | 22 | <20 |
| CC41517 | | 1 | 0.34 | 30 | 0.98 | 238 | 2 | 0.02 | 16 | 450 | 171 | 0.19 | <2 | 2 | 25 | <20 |
| CC41518 | | <1 | 0.14 | 20 | 0.77 | 249 | 2 | 0.01 | 20 | 670 | 117 | 0.04 | 3 | 3 | 27 | <20 |
| CC41519 | | <1 | 0.12 | 30 | 0.61 | 194 | 1 | 0.01 | 19 | 610 | 134 | 0.03 | 3 | 4 | 21 | <20 |
| CC41520 | | <1 | 0.06 | 20 | 0.44 | 122 | 1 | 0.01 | 13 | 520 | 76 | 0.02 | <2 | 3 | 18 | <20 |
| CC41521 | | <1 | 0.09 | 20 | 0.50 | 255 | 1 | 0.01 | 15 | 600 | 98 | 0.03 | 2 | 3 | 19 | <20 |
| CC41522 | | <1 | 0.12 | 20 | 0.68 | 189 | 1 | 0.01 | 19 | 660 | 77 | 0.02 | 2 | 4 | 26 | <20 |
| CC41523 | | <1 | 0.14 | 20 | 0.55 | 279 | 1 | 0.01 | 14 | 470 | 53 | 0.05 | <2 | 2 | 23 | <20 |
| CC41524 | | <1 | 0.19 | 30 | 0.93 | 248 | 2 | 0.01 | 21 | 500 | 106 | 0.03 | <2 | 4 | 38 | <20 |
| CC41525 | | 1 | 1.53 | 10 | 3.74 | 618 | <1 | 0.02 | 73 | 930 | 23 | 0.02 | 2 | 4 | 32 | <20 |
| CC41526 | | <1 | 0.28 | 20 | 1.49 | 267 | 1 | 0.01 | 18 | 430 | 77 | 0.03 | <2 | 4 | 24 | <20 |
| CC41527 | | <1 | 0.09 | 30 | 0.49 | 277 | 1 | 0.01 | 14 | 330 | 35 | 0.02 | <2 | 3 | 14 | <20 |
| CC41528 | | <1 | 0.08 | 20 | 0.43 | 381 | 2 | 0.01 | 15 | 380 | 34 | 0.03 | <2 | 3 | 11 | <20 |
| CC41529 | | <1 | 0.08 | 30 | 0.41 | 365 | 2 | 0.01 | 15 | 330 | 19 | 0.02 | 2 | 2 | 12 | <20 |
| CC41530 | | <1 | 0.07 | 50 | 0.41 | 355 | 2 | 0.01 | 11 | 340 | 18 | 0.02 | <2 | 2 | 12 | <20 |
| CC41531 | | <1 | 0.07 | 30 | 0.43 | 346 | 4 | 0.01 | 12 | 260 | 25 | 0.02 | <2 | 3 | 9 | 20 |
| CC41532 | | <1 | 0.11 | 60 | 0.57 | 478 | 2 | 0.01 | 15 | 270 | 29 | 0.01 | <2 | 3 | 10 | 20 |
| CC41533 | | <1 | 0.06 | 20 | 0.50 | 233 | 1 | 0.01 | 15 | 460 | 69 | 0.02 | <2 | 2 | 17 | <20 |
| CC41534 | | <1 | 0.07 | 20 | 0.46 | 197 | 2 | 0.01 | 13 | 560 | 114 | 0.03 | <2 | 2 | 19 | <20 |
| CC41535 | | <1 | 0.08 | 20 | 0.45 | 215 | 2 | 0.02 | 15 | 520 | 99 | 0.04 | <2 | 2 | 26 | <20 |
| CC41536 | | <1 | 0.08 | 30 | 0.50 | 218 | 3 | 0.02 | 15 | 540 | 152 | 0.06 | <2 | 2 | 15 | <20 |
| CC41537 | | <1 | 0.12 | 30 | 0.49 | 171 | 3 | 0.01 | 7 | 410 | 169 | 0.06 | <2 | 2 | 13 | <20 |
| CC41538 | | <1 | 0.10 | 30 | 0.51 | 167 | 2 | 0.03 | 11 | 420 | 183 | 0.04 | <2 | 2 | 13 | <20 |
| CC41539 | | <1 | 0.10 | 30 | 0.44 | 175 | 2 | 0.01 | 10 | 390 | 179 | 0.05 | <2 | 2 | 14 | 20 |
| CC41540 | | <1 | 0.14 | 50 | 0.55 | 165 | 4 | 0.01 | 7 | 410 | 483 | 0.08 | <2 | 2 | 12 | 40 |

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Finalized Date: 18-OCT-2007
Account: RCM

Project: CONNAUGHT - GRID A and GRID B

# CERTIFICATE OF ANALYSIS VA07109374

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC41501 | | 0.07 | <10 | <10 | 49 | <10 | 106 |
| CC41502 | | 0.06 | <10 | <10 | 43 | <10 | 64 |
| CC41503 | | 0.06 | <10 | <10 | 39 | <10 | 83 |
| CC41504 | | 0.08 | <10 | <10 | 52 | <10 | 168 |
| CC41505 | | 0.07 | <10 | <10 | 39 | <10 | 71 |
| CC41506 | | 0.07 | <10 | <10 | 37 | <10 | 63 |
| CC41507 | | 0.04 | <10 | <10 | 26 | <10 | 45 |
| CC41508 | | 0.06 | <10 | <10 | 35 | <10 | 56 |
| CC41509 | | 0.08 | <10 | 10 | 42 | <10 | 178 |
| CC41510 | | 0.06 | <10 | <10 | 35 | <10 | 42 |
| CC41511 | | 0.04 | <10 | <10 | 22 | <10 | 37 |
| CC41512 | | 0.04 | <10 | <10 | 27 | <10 | 36 |
| CC41513 | | 0.05 | <10 | <10 | 30 | <10 | 44 |
| CC41514 | | 0.07 | <10 | <10 | 40 | <10 | 44 |
| CC41515 | | 0.16 | <10 | <10 | 38 | <10 | 132 |
| CC41516 | | 0.06 | <10 | <10 | 37 | <10 | 58 |
| CC41517 | | 0.09 | <10 | <10 | 44 | <10 | 97 |
| CC41518 | | 0.09 | <10 | <10 | 54 | <10 | 100 |
| CC41519 | | 0.08 | <10 | <10 | 50 | <10 | 127 |
| CC41520 | | 0.07 | <10 | <10 | 37 | <10 | 58 |
| CC41521 | | 0.07 | <10 | <10 | 44 | <10 | 79 |
| CC41522 | | 0.09 | <10 | <10 | 48 | <10 | 83 |
| CC41523 | | 0.09 | <10 | <10 | 54 | <10 | 73 |
| CC41524 | | 0.10 | <10 | <10 | 49 | <10 | 128 |
| CC41525 | | 0.30 | <10 | <10 | 103 | <10 | 127 |
| CC41526 | | 0.14 | <10 | <10 | 53 | <10 | 106 |
| CC41527 | | 0.08 | <10 | <10 | 37 | <10 | 76 |
| CC41528 | | 0.08 | <10 | <10 | 51 | <10 | 78 |
| CC41529 | | 0.07 | <10 | <10 | 46 | <10 | 74 |
| CC41530 | | 0.07 | <10 | <10 | 37 | <10 | 81 |
| CC41531 | | 0.07 | <10 | <10 | 45 | <10 | 68 |
| CC41532 | | 0.08 | <10 | <10 | 37 | <10 | 83 |
| CC41533 | | 0.06 | <10 | <10 | 47 | <10 | 78 |
| CC41534 | | 0.05 | <10 | <10 | 40 | <10 | 87 |
| CC41535 | | 0.06 | <10 | <10 | 45 | <10 | 120 |
| CC41536 | | 0.06 | <10 | <10 | 42 | <10 | 71 |
| CC41537 | | 0.06 | <10 | <10 | 33 | <10 | 54 |
| CC41538 | | 0.06 | <10 | <10 | 38 | <10 | 56 |
| CC41539 | | 0.06 | <10 | <10 | 35 | <10 | 61 |
| CC41540 | | 0.06 | <10 | <10 | 33 | <10 | 60 |

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Finalized Date: 18-OCT-2007
Account: RCM

Project: CONNAUGHT - GRID A and GRID B

## CERTIFICATE OF ANALYSIS VA07109374

| 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 |
| CC41541 | | 0.22 | 1.0 | 1.18 | 47 | <10 | 60 | <0.5 | 5 | 0.07 | <0.5 | 3 | 13 | 61 | 2.70 | <10 |
| CC41542 | | 0.16 | 1.8 | 0.77 | 10 | <10 | 50 | <0.5 | 2 | 0.03 | <0.5 | 1 | 10 | 30 | 1.03 | <10 |
| CC41543 | | 0.14 | 3.4 | 1.13 | 62 | <10 | 70 | <0.5 | 9 | 0.06 | <0.5 | 3 | 12 | 82 | 2.96 | 10 |
| CC41544 | | 0.32 | 0.6 | 0.90 | 55 | <10 | 90 | <0.5 | 7 | 0.07 | <0.5 | 3 | 12 | 59 | 2.50 | <10 |
| CC41545 | | 0.38 | 0.6 | 1.27 | 31 | <10 | 60 | <0.5 | 2 | 0.08 | <0.5 | 3 | 14 | 52 | 2.17 | <10 |
| CC41546 | | 0.36 | 0.9 | 1.73 | 66 | <10 | 60 | <0.5 | 4 | 0.11 | <0.5 | 4 | 21 | 79 | 1.82 | <10 |
| CC41547 | | 0.30 | 3.0 | 1.15 | 798 | <10 | 110 | <0.5 | 18 | 0.06 | <0.5 | 2 | 12 | 76 | 2.80 | <10 |
| CC41548 | | 0.26 | 1.3 | 3.05 | 152 | <10 | 220 | 1.1 | 9 | 0.17 | <0.5 | 9 | 56 | 181 | 3.75 | 10 |
| CC41549 | | 0.22 | 0.7 | 2.96 | 101 | <10 | 370 | 1.1 | 5 | 0.20 | <0.5 | 11 | 73 | 161 | 3.46 | 10 |
| CC41550 | | 0.18 | 1.3 | 1.63 | 66 | <10 | 110 | <0.5 | 19 | 0.11 | <0.5 | 5 | 23 | 115 | 2.31 | 10 |
| CC41551 | | 0.36 | 1.2 | 1.78 | 67 | <10 | 110 | 0.5 | 8 | 0.26 | 1.0 | 6 | 40 | 65 | 2.30 | <10 |
| CC41552 | | 0.34 | 1.4 | 1.73 | 89 | <10 | 140 | <0.5 | 9 | 0.21 | <0.5 | 7 | 37 | 71 | 2.62 | 10 |
| CC41553 | | 0.40 | 1.5 | 1.82 | 128 | <10 | 110 | 0.5 | 10 | 0.24 | <0.5 | 6 | 28 | 128 | 2.62 | <10 |
| CC41554 | | 0.36 | 1.8 | 1.88 | 83 | <10 | 110 | 0.6 | 23 | 0.24 | 0.5 | 6 | 37 | 225 | 2.60 | 10 |
| CC41555 | | 0.24 | 0.3 | 2.25 | 49 | <10 | 150 | 0.7 | 16 | 0.23 | <0.5 | 9 | 64 | 108 | 3.14 | 10 |
| CC41556 | | 0.28 | 0.7 | 1.84 | 88 | <10 | 140 | 1.0 | 10 | 0.16 | <0.5 | 7 | 31 | 178 | 2.71 | 10 |
| CC41557 | | 0.30 | <0.2 | 0.61 | 20 | <10 | 50 | <0.5 | 3 | 0.04 | <0.5 | 2 | 12 | 15 | 1.37 | 10 |
| CC41558 | | 0.28 | 0.3 | 2.21 | 61 | <10 | 90 | 0.7 | 4 | 0.09 | <0.5 | 4 | 52 | 83 | 2.57 | 10 |
| CC41559 | | 0.32 | 0.2 | 1.62 | 24 | <10 | 90 | <0.5 | 4 | 0.11 | <0.5 | 5 | 22 | 22 | 2.42 | <10 |
| CC41560 | | 0.34 | 0.2 | 1.44 | 13 | <10 | 90 | <0.5 | <2 | 0.10 | <0.5 | 5 | 19 | 18 | 2.25 | <10 |
| CC41561 | | 0.24 | <0.2 | 1.64 | 12 | <10 | 70 | 0.5 | <2 | 0.16 | <0.5 | 7 | 23 | 16 | 2.88 | <10 |
| CC41562 | | 0.18 | <0.2 | 1.22 | 14 | <10 | 70 | <0.5 | <2 | 0.09 | <0.5 | 5 | 17 | 13 | 2.14 | 10 |
| CC41563 | | 0.20 | 0.3 | 1.68 | 48 | <10 | 120 | 0.7 | <2 | 0.18 | <0.5 | 6 | 25 | 28 | 2.56 | 10 |
| CC41564 | | 0.14 | 0.9 | 0.67 | 13 | <10 | 70 | 0.7 | <2 | 0.13 | <0.5 | 2 | 9 | 24 | 0.95 | <10 |
| CC41565 | | 0.18 | 0.8 | 1.06 | 79 | <10 | 90 | 0.7 | 3 | 0.15 | <0.5 | 4 | 14 | 49 | 1.70 | <10 |
| CC41566 | | 0.14 | 1.6 | 0.49 | 40 | <10 | 30 | <0.5 | 3 | 0.06 | <0.5 | 1 | 7 | 27 | 0.78 | <10 |
| CC41567 | | 0.12 | 4.2 | 0.56 | 38 | <10 | 130 | <0.5 | <2 | 0.15 | 2.2 | 2 | 8 | 32 | 0.79 | <10 |
| CC41568 | | 0.16 | 3.5 | 1.78 | 469 | <10 | 130 | 0.6 | 4 | 0.22 | 1.1 | 5 | 34 | 54 | 2.32 | 10 |
| CC41569 | | 0.18 | 2.9 | 1.91 | 220 | <10 | 160 | 0.6 | 8 | 0.32 | 0.6 | 5 | 24 | 71 | 2.45 | 10 |
| CC41570 | | 0.18 | 2.0 | 1.36 | 70 | <10 | 60 | <0.5 | 6 | 0.12 | <0.5 | 3 | 16 | 113 | 2.56 | <10 |
| CC41571 | | 0.18 | 3.2 | 1.05 | 98 | <10 | 70 | <0.5 | 7 | 0.11 | <0.5 | 2 | 8 | 84 | 1.89 | <10 |
| CC41572 | | 0.30 | 1.2 | 1.63 | 70 | <10 | 70 | <0.5 | 7 | 0.13 | <0.5 | 3 | 19 | 123 | 2.65 | <10 |
| CC41573 | | 0.28 | 0.6 | 1.70 | 58 | <10 | 80 | 0.5 | 3 | 0.08 | <0.5 | 4 | 13 | 74 | 2.21 | <10 |
| CC41574 | | 0.30 | 0.8 | 1.11 | 165 | <10 | 70 | <0.5 | 5 | 0.08 | <0.5 | 2 | 9 | 76 | 1.90 | <10 |
| CC41575 | | 0.18 | 0.8 | 0.57 | 17 | <10 | 70 | <0.5 | 2 | 0.08 | <0.5 | 1 | 7 | 26 | 1.03 | <10 |
| CC41576 | | 0.22 | 0.6 | 2.36 | 113 | <10 | 190 | 0.7 | 9 | 0.20 | <0.5 | 7 | 57 | 97 | 3.38 | 10 |
| CC41577 | | 0.22 | 0.9 | 1.46 | 148 | <10 | 160 | <0.5 | 4 | 0.21 | <0.5 | 5 | 27 | 37 | 2.04 | <10 |
| CC41578 | | 0.22 | 4.0 | 1.52 | 122 | <10 | 130 | <0.5 | 6 | 0.13 | <0.5 | 4 | 24 | 70 | 2.00 | 10 |
| CC41579 | | 0.16 | 0.6 | 0.31 | 15 | <10 | 20 | <0.5 | <2 | 0.05 | <0.5 | 1 | 4 | 13 | 0.53 | <10 |
| CC41580 | | 0.18 | 1.2 | 0.50 | 23 | <10 | 70 | <0.5 | 2 | 0.14 | 1.1 | 2 | 8 | 41 | 0.72 | <10 |

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



Project: CONNAUGHT - GRID A and GRID B

## CERTIFICATE OF ANALYSIS VA07109374

| 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 |
| CC41541 | | <1 | 0.17 | 40 | 0.41 | 197 | 2 | 0.01 | 8 | 400 | 237 | 0.18 | <2 | 2 | 10 | 20 |
| CC41542 | | <1 | 0.03 | 20 | 0.04 | 37 | 1 | 0.01 | 3 | 290 | 85 | 0.03 | <2 | 1 | 6 | <20 |
| CC41543 | | <1 | 0.14 | 30 | 0.25 | 109 | 4 | 0.01 | 6 | 320 | 303 | 0.19 | 2 | 1 | 9 | 20 |
| CC41544 | | <1 | 0.10 | 30 | 0.19 | 98 | 2 | 0.01 | 6 | 330 | 222 | 0.13 | 2 | 1 | 11 | <20 |
| CC41545 | | <1 | 0.09 | 40 | 0.33 | 125 | 1 | 0.01 | 8 | 270 | 144 | 0.05 | <2 | 2 | 10 | <20 |
| CC41546 | | <1 | 0.08 | 30 | 0.41 | 114 | 2 | 0.01 | 12 | 430 | 220 | 0.03 | <2 | 2 | 12 | <20 |
| CC41547 | | <1 | 0.19 | 70 | 0.26 | 96 | 4 | 0.01 | 5 | 390 | 594 | 0.26 | 5 | 1 | 17 | <20 |
| CC41548 | | 1 | 0.77 | 60 | 1.68 | 505 | 2 | 0.02 | 22 | 850 | 176 | 0.26 | 2 | 4 | 49 | 30 |
| CC41549 | | 1 | 0.76 | 50 | 1.80 | 386 | 2 | 0.02 | 25 | 630 | 175 | 0.22 | 2 | 3 | 76 | 20 |
| CC41550 | | <1 | 0.17 | 30 | 0.72 | 190 | 2 | 0.02 | 11 | 440 | 104 | 0.09 | <2 | 2 | 23 | <20 |
| CC41551 | | <1 | 0.12 | 20 | 0.69 | 194 | 1 | 0.01 | 24 | 680 | 114 | 0.03 | 2 | 4 | 22 | <20 |
| CC41552 | | <1 | 0.12 | 20 | 0.64 | 209 | 1 | 0.01 | 20 | 690 | 116 | 0.04 | <2 | 4 | 24 | <20 |
| CC41553 | | 1 | 0.10 | 30 | 0.58 | 188 | 1 | 0.02 | 16 | 740 | 101 | 0.02 | 2 | 4 | 20 | <20 |
| CC41554 | | 1 | 0.16 | 20 | 0.73 | 188 | 1 | 0.01 | 21 | 650 | 110 | 0.03 | 5 | 3 | 33 | <20 |
| CC41555 | | <1 | 0.40 | 20 | 1.31 | 405 | 1 | 0.02 | 25 | 610 | 56 | 0.07 | 2 | 4 | 53 | <20 |
| CC41556 | | <1 | 0.11 | 30 | 0.62 | 269 | 2 | 0.01 | 16 | 560 | 145 | 0.06 | <2 | 2 | 41 | <20 |
| CC41557 | | <1 | 0.03 | 10 | 0.06 | 73 | 2 | <0.01 | 4 | 130 | 23 | 0.01 | <2 | 1 | 8 | <20 |
| CC41558 | | 1 | 0.07 | 20 | 0.67 | 152 | 1 | 0.01 | 15 | 250 | 80 | 0.03 | <2 | 3 | 35 | <20 |
| CC41559 | | <1 | 0.07 | 30 | 0.50 | 195 | 2 | 0.01 | 11 | 290 | 84 | 0.02 | <2 | 3 | 11 | <20 |
| CC41560 | | <1 | 0.06 | 20 | 0.37 | 240 | 1 | 0.01 | 15 | 370 | 35 | 0.03 | <2 | 2 | 10 | <20 |
| CC41561 | | 1 | 0.07 | 20 | 0.42 | 429 | 2 | 0.01 | 15 | 460 | 42 | 0.04 | <2 | 3 | 12 | <20 |
| CC41562 | | <1 | 0.07 | 30 | 0.34 | 372 | 2 | 0.01 | 10 | 350 | 43 | 0.02 | <2 | 2 | 10 | <20 |
| CC41563 | | 1 | 0.07 | 20 | 0.51 | 308 | 1 | 0.01 | 16 | 470 | 55 | 0.02 | <2 | 3 | 21 | <20 |
| CC41564 | | <1 | 0.05 | 10 | 0.13 | 148 | 1 | 0.02 | 5 | 590 | 40 | 0.05 | <2 | <1 | 16 | <20 |
| CC41565 | | <1 | 0.07 | 20 | 0.32 | 190 | 2 | 0.01 | 7 | 570 | 54 | 0.05 | <2 | 1 | 23 | <20 |
| CC41566 | | <1 | 0.04 | 10 | 0.08 | 61 | 1 | 0.01 | 2 | 430 | 33 | 0.03 | <2 | <1 | 9 | <20 |
| CC41567 | | <1 | 0.05 | 10 | 0.05 | 40 | 1 | 0.02 | 12 | 1030 | 33 | 0.10 | <2 | <1 | 22 | <20 |
| CC41568 | | <1 | 0.12 | 10 | 0.47 | 249 | 3 | 0.01 | 21 | 780 | 128 | 0.08 | 3 | 2 | 38 | <20 |
| CC41569 | | <1 | 0.19 | 30 | 0.64 | 244 | 3 | 0.02 | 17 | 900 | 221 | 0.14 | 2 | 2 | 42 | <20 |
| CC41570 | | <1 | 0.22 | 40 | 0.52 | 189 | 2 | 0.01 | 8 | 540 | 357 | 0.16 | <2 | 2 | 14 | <20 |
| CC41571 | | 1 | 0.11 | 30 | 0.26 | 113 | 3 | 0.01 | 5 | 980 | 705 | 0.15 | 3 | 1 | 13 | <20 |
| CC41572 | | <1 | 0.11 | 30 | 0.54 | 146 | 2 | 0.01 | 10 | 400 | 355 | 0.04 | <2 | 3 | 11 | 20 |
| CC41573 | | 1 | 0.31 | 30 | 0.80 | 206 | 2 | 0.01 | 8 | 290 | 180 | 0.14 | <2 | 2 | 16 | 20 |
| CC41574 | | <1 | 0.22 | 50 | 0.45 | 204 | 2 | 0.01 | 5 | 340 | 326 | 0.20 | <2 | 1 | 12 | 20 |
| CC41575 | | 1 | 0.07 | 20 | 0.09 | 70 | 2 | 0.01 | 5 | 780 | 46 | 0.11 | <2 | <1 | 11 | <20 |
| CC41576 | | <1 | 0.44 | 20 | 1.20 | 323 | 2 | 0.02 | 19 | 670 | 121 | 0.21 | <2 | 5 | 62 | <20 |
| CC41577 | | <1 | 0.11 | 20 | 0.57 | 141 | <1 | 0.01 | 13 | 620 | 53 | 0.06 | <2 | 3 | 23 | <20 |
| CC41578 | | <1 | 0.11 | 20 | 0.37 | 104 | 2 | 0.01 | 10 | 910 | 116 | 0.11 | <2 | 1 | 20 | <20 |
| CC41579 | | <1 | 0.02 | <10 | 0.04 | 26 | <1 | 0.03 | <1 | 250 | 31 | 0.02 | <2 | <1 | 9 | <20 |
| CC41580 | | <1 | 0.04 | 10 | 0.10 | 61 | 1 | 0.02 | 3 | 740 | 89 | 0.08 | 2 | 1 | 15 | <20 |

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Project: CONNAUGHT - GRID A and GRID B

## CERTIFICATE OF ANALYSIS VA07109374

| Sample Description | Method / Analyte / Units / LOR | ME-ICP41 Ti % 0.01 | ME-ICP41 Tl ppm 10 | ME-ICP41 U ppm 10 | ME-ICP41 V ppm 1 | ME-ICP41 W ppm 10 | ME-ICP41 Zn ppm 2 |
|---|---|---|---|---|---|---|---|
| CC41541 | | 0.06 | <10 | <10 | 29 | <10 | 46 |
| CC41542 | | 0.04 | <10 | <10 | 28 | <10 | 15 |
| CC41543 | | 0.06 | <10 | <10 | 40 | <10 | 40 |
| CC41544 | | 0.05 | <10 | <10 | 37 | <10 | 36 |
| CC41545 | | 0.05 | <10 | <10 | 29 | <10 | 39 |
| CC41546 | | 0.06 | <10 | <10 | 35 | <10 | 61 |
| CC41547 | | 0.04 | <10 | <10 | 27 | <10 | 63 |
| CC41548 | | 0.16 | <10 | <10 | 45 | <10 | 147 |
| CC41549 | | 0.15 | <10 | <10 | 50 | <10 | 166 |
| CC41550 | | 0.07 | <10 | <10 | 37 | <10 | 92 |
| CC41551 | | 0.08 | <10 | <10 | 43 | <10 | 141 |
| CC41552 | | 0.08 | <10 | <10 | 48 | <10 | 127 |
| CC41553 | | 0.09 | <10 | <10 | 45 | <10 | 85 |
| CC41554 | | 0.09 | <10 | <10 | 50 | <10 | 93 |
| CC41555 | | 0.14 | <10 | <10 | 64 | <10 | 98 |
| CC41556 | | 0.06 | <10 | <10 | 44 | <10 | 118 |
| CC41557 | | 0.12 | <10 | <10 | 80 | <10 | 27 |
| CC41558 | | 0.07 | <10 | <10 | 37 | <10 | 60 |
| CC41559 | | 0.06 | <10 | <10 | 38 | <10 | 71 |
| CC41560 | | 0.06 | <10 | <10 | 42 | <10 | 68 |
| CC41561 | | 0.07 | <10 | <10 | 47 | <10 | 80 |
| CC41562 | | 0.07 | <10 | <10 | 41 | <10 | 69 |
| CC41563 | | 0.07 | <10 | <10 | 51 | <10 | 71 |
| CC41564 | | 0.03 | <10 | <10 | 19 | <10 | 32 |
| CC41565 | | 0.05 | <10 | <10 | 33 | <10 | 58 |
| CC41566 | | 0.03 | <10 | <10 | 16 | <10 | 23 |
| CC41567 | | 0.01 | <10 | <10 | 14 | <10 | 21 |
| CC41568 | | 0.05 | <10 | <10 | 49 | <10 | 161 |
| CC41569 | | 0.06 | <10 | <10 | 36 | <10 | 114 |
| CC41570 | | 0.06 | <10 | <10 | 30 | <10 | 59 |
| CC41571 | | 0.03 | <10 | <10 | 19 | <10 | 44 |
| CC41572 | | 0.08 | <10 | <10 | 39 | <10 | 50 |
| CC41573 | | 0.06 | <10 | <10 | 28 | <10 | 70 |
| CC41574 | | 0.04 | <10 | <10 | 18 | <10 | 47 |
| CC41575 | | 0.02 | <10 | <10 | 20 | <10 | 29 |
| CC41576 | | 0.12 | <10 | <10 | 70 | 10 | 134 |
| CC41577 | | 0.07 | <10 | <10 | 42 | <10 | 65 |
| CC41578 | | 0.04 | <10 | <10 | 31 | <10 | 56 |
| CC41579 | | 0.03 | <10 | <10 | 13 | <10 | 11 |
| CC41580 | | 0.02 | <10 | <10 | 14 | <10 | 39 |

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Finalized Date: 18-OCT-2007
Account: RCM

Project: CONNAUGHT - GRID A and GRID B

## CERTIFICATE OF ANALYSIS VA07109374

| 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 |
| CC41581 | | 0.14 | 8.2 | 1.60 | 135 | <10 | 130 | 0.7 | 8 | 0.22 | 0.7 | 5 | 29 | 102 | 1.81 | <10 |
| CC41582 | | 0.20 | 2.2 | 1.17 | 30 | <10 | 150 | <0.5 | 7 | 0.21 | 0.8 | 4 | 18 | 48 | 1.58 | <10 |
| CC41583 | | 0.20 | 2.5 | 1.26 | 20 | <10 | 160 | 0.6 | 4 | 0.26 | 1.0 | 5 | 20 | 117 | 1.57 | <10 |
| CC41584 | | 0.14 | 2.5 | 1.16 | 19 | <10 | 180 | 0.9 | 7 | 0.26 | 2.4 | 7 | 17 | 183 | 1.26 | <10 |
| CC41585 | | 0.12 | 2.3 | 0.54 | 8 | <10 | 90 | <0.5 | 3 | 0.17 | 0.7 | 3 | 9 | 50 | 0.77 | <10 |
| CC41586 | | 0.12 | 2.3 | 1.59 | 27 | <10 | 160 | 0.7 | 7 | 0.15 | 1.1 | 4 | 41 | 91 | 1.67 | <10 |
| CC41587 | | 0.14 | 0.7 | 0.38 | 2 | <10 | 60 | <0.5 | 4 | 0.07 | <0.5 | 2 | 8 | 16 | 0.78 | <10 |
| CC41588 | | 0.18 | 0.3 | 1.36 | 11 | <10 | 120 | <0.5 | <2 | 0.17 | <0.5 | 6 | 19 | 13 | 2.02 | <10 |
| CC41589 | | 0.16 | 0.6 | 1.11 | 6 | <10 | 60 | <0.5 | <2 | 0.08 | <0.5 | 3 | 11 | 11 | 1.44 | <10 |
| CC41780 | | 0.22 | 0.4 | 1.08 | 48 | <10 | 70 | 0.5 | 2 | 0.09 | <0.5 | 3 | 14 | 26 | 1.71 | <10 |
| CC41781 | | 0.22 | 0.5 | 1.65 | 95 | <10 | 100 | 1.1 | 2 | 0.16 | <0.5 | 6 | 19 | 45 | 2.25 | 10 |
| CC41782 | | 0.16 | 0.8 | 1.26 | 104 | <10 | 70 | 0.8 | 3 | 0.16 | <0.5 | 4 | 15 | 36 | 1.84 | 10 |
| CC41783 | | 0.24 | 1.2 | 1.91 | 210 | <10 | 130 | 1.7 | 4 | 0.35 | <0.5 | 6 | 21 | 82 | 2.59 | <10 |
| CC41784 | | 0.26 | 1.1 | 1.22 | 226 | <10 | 70 | <0.5 | 11 | 0.08 | <0.5 | 3 | 11 | 49 | 2.57 | 10 |
| CC41785 | | 0.18 | 0.3 | 0.39 | 15 | <10 | 50 | <0.5 | <2 | 0.06 | <0.5 | 1 | 5 | 8 | 0.73 | <10 |
| CC41786 | | 0.28 | 0.3 | 3.09 | 91 | <10 | 160 | 0.9 | <2 | 0.14 | <0.5 | 9 | 48 | 27 | 2.92 | 10 |
| CC41787 | | 0.22 | 1.7 | 1.68 | 749 | <10 | 220 | 0.7 | 7 | 0.19 | <0.5 | 6 | 27 | 66 | 2.33 | 10 |
| CC41788 | | 0.22 | 0.8 | 2.27 | 203 | <10 | 130 | 0.8 | 2 | 0.16 | <0.5 | 12 | 32 | 41 | 3.12 | <10 |
| CC41789 | | 0.24 | 0.6 | 2.11 | 40 | <10 | 150 | 1.5 | 2 | 0.23 | 0.8 | 7 | 6 | 71 | 1.69 | <10 |
| CC41790 | | 0.22 | 0.8 | 1.21 | 214 | <10 | 60 | <0.5 | 2 | 0.14 | <0.5 | 4 | 12 | 70 | 2.38 | <10 |
| CC41791 | | 0.16 | 0.8 | 0.50 | 3 | <10 | 20 | <0.5 | <2 | 0.06 | <0.5 | 1 | 4 | 7 | 0.73 | <10 |
| CC41792 | | 0.26 | 1.9 | 1.92 | 253 | <10 | 110 | 1.1 | 27 | 0.34 | 0.9 | 11 | 43 | 130 | 2.84 | 10 |
| CC41793 | | 0.26 | 2.7 | 2.00 | 240 | <10 | 120 | 1.1 | 26 | 0.23 | 1.3 | 9 | 42 | 118 | 3.08 | 10 |
| CC41794 | | 0.20 | 0.6 | 2.09 | 62 | <10 | 120 | 0.6 | 4 | 0.26 | 0.6 | 8 | 31 | 68 | 2.73 | 10 |
| CC41795 | | 0.32 | 0.8 | 1.85 | 54 | <10 | 160 | 0.6 | 5 | 0.28 | 1.0 | 7 | 30 | 94 | 2.52 | 10 |
| CC41796 | | 0.20 | 0.9 | 1.25 | 49 | <10 | 80 | <0.5 | 3 | 0.19 | <0.5 | 5 | 19 | 53 | 1.72 | <10 |
| CC41797 | | 0.28 | 0.6 | 1.51 | 60 | <10 | 100 | 0.5 | 8 | 0.18 | 0.8 | 8 | 28 | 65 | 2.23 | 10 |
| CC41798 | | 0.24 | 1.4 | 2.54 | 70 | <10 | 200 | 0.8 | 7 | 0.27 | 0.6 | 22 | 46 | 98 | 3.30 | 10 |
| CC41799 | | 0.34 | 0.8 | 2.10 | 55 | <10 | 140 | 0.7 | 4 | 0.24 | 0.8 | 12 | 39 | 109 | 3.12 | 10 |
| CC41800 | | 0.18 | 1.0 | 1.39 | 37 | <10 | 100 | <0.5 | 3 | 0.15 | 1.6 | 4 | 24 | 57 | 1.91 | 10 |
| CC41801 | | 0.18 | 1.0 | 1.48 | 18 | <10 | 110 | 0.6 | 10 | 0.11 | <0.5 | 4 | 34 | 223 | 2.97 | 10 |
| CC41802 | | 0.22 | 0.3 | 1.04 | 14 | <10 | 90 | <0.5 | 2 | 0.10 | <0.5 | 2 | 18 | 54 | 1.35 | <10 |
| CC41803 | | 0.16 | 0.5 | 1.49 | 5 | <10 | 180 | 0.6 | <2 | 0.22 | <0.5 | 4 | 20 | 28 | 1.83 | <10 |
| CC41804 | | 0.30 | 0.2 | 1.87 | 8 | <10 | 170 | 0.5 | <2 | 0.29 | <0.5 | 6 | 29 | 17 | 2.37 | 10 |
| CC41805 | | 0.28 | <0.2 | 1.86 | 10 | <10 | 150 | 0.5 | <2 | 0.22 | <0.5 | 7 | 28 | 19 | 2.48 | 10 |
| CC41806 | | 0.24 | <0.2 | 1.98 | 12 | <10 | 160 | <0.5 | <2 | 0.28 | <0.5 | 9 | 30 | 22 | 2.94 | 10 |
| CC41807 | | 0.24 | <0.2 | 1.79 | 8 | <10 | 170 | <0.5 | <2 | 0.23 | <0.5 | 8 | 27 | 19 | 2.62 | 10 |
| CC41808 | | 0.18 | 0.8 | 1.98 | 9 | <10 | 190 | 0.7 | <2 | 0.25 | <0.5 | 8 | 31 | 28 | 2.44 | 10 |
| CC41809 | | 0.22 | 0.3 | 2.48 | 13 | <10 | 240 | 0.8 | <2 | 0.38 | <0.5 | 14 | 40 | 28 | 3.50 | 10 |
| CC41810 | | 0.24 | 0.9 | 1.55 | 181 | <10 | 90 | 0.9 | 6 | 0.17 | <0.5 | 5 | 17 | 53 | 2.11 | 10 |

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Finalized Date: 18-OCT-2007
Account: RCM

Project: CONNAUGHT - GRID A and GRID B

# CERTIFICATE OF ANALYSIS VA07109374

| 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 |
| CC41581 | | <1 | 0.11 | 30 | 0.36 | 166 | 2 | 0.02 | 16 | 1650 | 188 | 0.18 | 3 | 1 | 29 | <20 |
| CC41582 | | <1 | 0.07 | 20 | 0.30 | 127 | 1 | 0.02 | 12 | 910 | 69 | 0.09 | <2 | 1 | 26 | <20 |
| CC41583 | | <1 | 0.10 | 30 | 0.35 | 151 | 2 | 0.02 | 11 | 1390 | 43 | 0.16 | <2 | 2 | 35 | <20 |
| CC41584 | | <1 | 0.07 | 40 | 0.22 | 107 | 1 | 0.02 | 11 | 1250 | 73 | 0.16 | <2 | 2 | 38 | <20 |
| CC41585 | | <1 | 0.04 | 20 | 0.08 | 83 | 1 | 0.02 | 3 | 1120 | 43 | 0.12 | <2 | <1 | 22 | <20 |
| CC41586 | | <1 | 0.11 | 40 | 0.37 | 153 | 1 | 0.02 | 17 | 760 | 57 | 0.07 | <2 | 2 | 23 | <20 |
| CC41587 | | <1 | 0.04 | 10 | 0.06 | 52 | <1 | 0.02 | 3 | 550 | 19 | 0.04 | <2 | <1 | 10 | <20 |
| CC41588 | | 1 | 0.08 | 20 | 0.39 | 191 | 1 | 0.01 | 13 | 730 | 34 | 0.05 | <2 | 2 | 19 | <20 |
| CC41589 | | <1 | 0.04 | 30 | 0.10 | 74 | 1 | 0.02 | 6 | 720 | 11 | 0.08 | <2 | 1 | 10 | <20 |
| CC41780 | | <1 | 0.05 | 10 | 0.26 | 132 | 1 | 0.02 | 8 | 360 | 30 | 0.03 | 2 | 1 | 14 | <20 |
| CC41781 | | <1 | 0.06 | 20 | 0.42 | 237 | 1 | 0.01 | 13 | 360 | 44 | 0.02 | <2 | 2 | 21 | <20 |
| CC41782 | | <1 | 0.06 | 10 | 0.27 | 229 | 1 | 0.02 | 10 | 400 | 44 | 0.02 | <2 | 2 | 20 | <20 |
| CC41783 | | <1 | 0.07 | 30 | 0.48 | 269 | 1 | 0.02 | 18 | 590 | 63 | 0.03 | 2 | 3 | 32 | <20 |
| CC41784 | | <1 | 0.08 | 10 | 0.32 | 140 | 2 | 0.01 | 5 | 250 | 45 | 0.02 | 2 | 1 | 19 | <20 |
| CC41785 | | <1 | 0.02 | <10 | 0.03 | 28 | <1 | 0.03 | 2 | 510 | 12 | 0.04 | <2 | <1 | 9 | <20 |
| CC41786 | | <1 | 0.08 | 10 | 0.76 | 255 | 2 | 0.02 | 35 | 430 | 47 | 0.03 | <2 | 3 | 32 | <20 |
| CC41787 | | <1 | 0.17 | 20 | 0.56 | 331 | 2 | 0.02 | 19 | 420 | 353 | 0.06 | 4 | 2 | 36 | <20 |
| CC41788 | | <1 | 0.09 | 10 | 0.58 | 444 | 1 | 0.02 | 27 | 310 | 84 | 0.03 | <2 | 4 | 15 | <20 |
| CC41789 | | <1 | 0.66 | 40 | 1.18 | 595 | 1 | 0.02 | 8 | 430 | 175 | 0.17 | <2 | 1 | 143 | 30 |
| CC41790 | | <1 | 0.13 | 20 | 0.28 | 192 | 2 | 0.03 | 7 | 680 | 363 | 0.22 | <2 | 1 | 16 | <20 |
| CC41791 | | <1 | 0.02 | <10 | 0.03 | 34 | <1 | 0.03 | 1 | 300 | 11 | 0.03 | <2 | <1 | 9 | <20 |
| CC41792 | | <1 | 0.23 | 30 | 0.87 | 376 | 4 | 0.02 | 23 | 740 | 218 | 0.07 | 3 | 3 | 41 | <20 |
| CC41793 | | 1 | 0.17 | 20 | 0.78 | 452 | 3 | 0.02 | 23 | 630 | 235 | 0.07 | 9 | 3 | 32 | <20 |
| CC41794 | | <1 | 0.20 | 10 | 0.95 | 242 | 1 | 0.02 | 18 | 540 | 58 | 0.04 | 3 | 4 | 32 | <20 |
| CC41795 | | 1 | 0.12 | 20 | 0.73 | 170 | 1 | 0.02 | 18 | 630 | 62 | 0.04 | 3 | 5 | 24 | <20 |
| CC41796 | | <1 | 0.09 | 10 | 0.40 | 140 | 1 | 0.03 | 10 | 630 | 49 | 0.03 | <2 | 2 | 19 | <20 |
| CC41797 | | <1 | 0.15 | 10 | 0.62 | 250 | 1 | 0.02 | 15 | 450 | 43 | 0.04 | <2 | 3 | 24 | <20 |
| CC41798 | | <1 | 0.20 | 20 | 0.90 | 632 | 2 | 0.02 | 26 | 780 | 75 | 0.05 | <2 | 4 | 37 | <20 |
| CC41799 | | 1 | 0.19 | 20 | 0.74 | 382 | 2 | 0.02 | 22 | 750 | 55 | 0.05 | <2 | 4 | 29 | <20 |
| CC41800 | | <1 | 0.07 | 10 | 0.42 | 219 | 1 | 0.02 | 12 | 720 | 100 | 0.06 | 2 | 1 | 20 | <20 |
| CC41801 | | <1 | 0.16 | 20 | 0.37 | 144 | 2 | 0.02 | 15 | 670 | 37 | 0.10 | <2 | 3 | 36 | <20 |
| CC41802 | | <1 | 0.05 | 20 | 0.25 | 86 | 1 | 0.02 | 6 | 530 | 21 | 0.04 | <2 | 1 | 14 | <20 |
| CC41803 | | <1 | 0.06 | 60 | 0.36 | 238 | 1 | 0.02 | 12 | 810 | 20 | 0.09 | <2 | 2 | 27 | <20 |
| CC41804 | | <1 | 0.09 | 30 | 0.59 | 382 | 1 | 0.02 | 18 | 570 | 28 | 0.03 | <2 | 3 | 22 | <20 |
| CC41805 | | <1 | 0.09 | 30 | 0.65 | 260 | 1 | 0.02 | 17 | 460 | 26 | 0.02 | <2 | 3 | 16 | <20 |
| CC41806 | | <1 | 0.16 | 20 | 0.95 | 390 | 1 | 0.02 | 19 | 540 | 19 | 0.02 | 2 | 4 | 19 | <20 |
| CC41807 | | <1 | 0.09 | 20 | 0.67 | 357 | 1 | 0.02 | 16 | 490 | 18 | 0.02 | <2 | 3 | 16 | <20 |
| CC41808 | | 1 | 0.13 | 40 | 0.61 | 389 | 3 | 0.02 | 22 | 880 | 54 | 0.08 | <2 | 3 | 22 | <20 |
| CC41809 | | 1 | 0.48 | 40 | 1.50 | 571 | 2 | 0.02 | 28 | 710 | 134 | 0.03 | <2 | 5 | 23 | <20 |
| CC41810 | | <1 | 0.08 | 20 | 0.44 | 228 | 2 | 0.02 | 11 | 320 | 83 | 0.02 | 2 | 2 | 24 | <20 |

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To: ATAC RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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Finalized Date: 18-OCT-2007
Account: RCM

Project: CONNAUGHT - GRID A and GRID B

# CERTIFICATE OF ANALYSIS VA07109374

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC41581 | | 0.03 | <10 | <10 | 26 | <10 | 80 |
| CC41582 | | 0.04 | <10 | <10 | 28 | <10 | 69 |
| CC41583 | | 0.03 | <10 | <10 | 23 | <10 | 53 |
| CC41584 | | 0.03 | <10 | <10 | 19 | <10 | 46 |
| CC41585 | | 0.02 | <10 | <10 | 15 | <10 | 24 |
| CC41586 | | 0.04 | <10 | 10 | 26 | <10 | 80 |
| CC41587 | | 0.03 | <10 | <10 | 17 | <10 | 18 |
| CC41588 | | 0.05 | <10 | <10 | 37 | <10 | 60 |
| CC41589 | | 0.05 | <10 | <10 | 30 | <10 | 25 |
| CC41780 | | 0.04 | <10 | <10 | 32 | <10 | 39 |
| CC41781 | | 0.06 | <10 | <10 | 43 | <10 | 63 |
| CC41782 | | 0.06 | <10 | <10 | 41 | <10 | 60 |
| CC41783 | | 0.07 | <10 | <10 | 45 | <10 | 88 |
| CC41784 | | 0.09 | <10 | <10 | 59 | <10 | 41 |
| CC41785 | | 0.02 | <10 | <10 | 17 | <10 | 20 |
| CC41786 | | 0.09 | <10 | <10 | 68 | <10 | 64 |
| CC41787 | | 0.07 | <10 | <10 | 50 | <10 | 107 |
| CC41788 | | 0.09 | <10 | <10 | 58 | <10 | 85 |
| CC41789 | | 0.05 | <10 | <10 | 11 | <10 | 273 |
| CC41790 | | 0.05 | <10 | <10 | 36 | <10 | 55 |
| CC41791 | | 0.03 | <10 | <10 | 17 | <10 | 12 |
| CC41792 | | 0.11 | <10 | <10 | 48 | 10 | 202 |
| CC41793 | | 0.10 | <10 | <10 | 53 | 10 | 240 |
| CC41794 | | 0.10 | <10 | <10 | 58 | 10 | 115 |
| CC41795 | | 0.09 | <10 | <10 | 52 | <10 | 102 |
| CC41796 | | 0.07 | <10 | <10 | 36 | <10 | 70 |
| CC41797 | | 0.09 | <10 | <10 | 43 | <10 | 119 |
| CC41798 | | 0.11 | <10 | <10 | 62 | <10 | 166 |
| CC41799 | | 0.11 | <10 | <10 | 54 | <10 | 164 |
| CC41800 | | 0.05 | <10 | <10 | 38 | <10 | 105 |
| CC41801 | | 0.09 | <10 | <10 | 56 | <10 | 58 |
| CC41802 | | 0.04 | <10 | <10 | 28 | <10 | 43 |
| CC41803 | | 0.04 | <10 | <10 | 30 | <10 | 80 |
| CC41804 | | 0.07 | <10 | <10 | 50 | <10 | 80 |
| CC41805 | | 0.08 | <10 | <10 | 55 | <10 | 74 |
| CC41806 | | 0.12 | <10 | <10 | 71 | <10 | 73 |
| CC41807 | | 0.08 | <10 | <10 | 59 | <10 | 69 |
| CC41808 | | 0.07 | <10 | <10 | 48 | <10 | 127 |
| CC41809 | | 0.15 | <10 | <10 | 54 | <10 | 244 |
| CC41810 | | 0.06 | <10 | <10 | 36 | <10 | 66 |

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Finalized Date: 18-OCT-2007
Account: RCM

Project: CONNAUGHT - GRID A and GRID B

## CERTIFICATE OF ANALYSIS VA07109374

| 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 |
| CC41811 | | 0.24 | 1.0 | 1.80 | 307 | <10 | 110 | 1.6 | 7 | 0.18 | <0.5 | 5 | 17 | 98 | 2.14 | <10 |
| CC41812 | | 0.20 | 0.9 | 1.58 | 233 | <10 | 100 | 1.3 | 6 | 0.23 | <0.5 | 5 | 17 | 80 | 2.20 | 10 |
| CC41813 | | 0.26 | 0.6 | 1.39 | 171 | <10 | 50 | 1.0 | 4 | 0.12 | 0.6 | 3 | 10 | 54 | 1.89 | <10 |
| CC41814 | | 0.28 | 0.7 | 1.78 | 459 | <10 | 80 | 1.4 | 6 | 0.11 | 0.6 | 4 | 12 | 146 | 2.35 | 10 |
| CC41815 | | 0.34 | 0.4 | 2.42 | 63 | <10 | 100 | 0.9 | <2 | 0.17 | 0.7 | 8 | 26 | 24 | 2.86 | 10 |
| CC41816 | | 0.20 | 0.7 | 2.26 | 252 | <10 | 300 | 0.7 | 2 | 0.25 | 0.5 | 6 | 35 | 44 | 2.61 | 10 |
| CC41817 | | 0.18 | 0.5 | 1.65 | 127 | <10 | 220 | 0.6 | 5 | 0.18 | <0.5 | 5 | 35 | 29 | 2.20 | 10 |
| CC41818 | | 0.16 | 1.0 | 1.19 | 37 | <10 | 130 | 0.5 | 2 | 0.19 | 0.5 | 3 | 17 | 21 | 1.67 | <10 |
| CC41819 | | 0.14 | 0.3 | 0.74 | 11 | <10 | 30 | <0.5 | <2 | 0.11 | <0.5 | 3 | 7 | 19 | 1.54 | <10 |
| CC41820 | | 0.12 | 1.1 | 2.14 | 95 | <10 | 140 | 1.2 | 2 | 0.17 | 0.8 | 4 | 21 | 84 | 2.81 | 10 |
| CC41821 | | 0.18 | 2.5 | 1.89 | 457 | <10 | 150 | 0.9 | 11 | 0.14 | 0.8 | 4 | 14 | 114 | 2.61 | 10 |
| CC41822 | | 0.32 | 4.9 | 1.43 | 2220 | <10 | 100 | 0.7 | 27 | 0.13 | 0.9 | 4 | 14 | 314 | 3.52 | <10 |
| CC41823 | | 0.22 | 4.9 | 1.93 | 581 | <10 | 110 | 0.8 | 10 | 0.24 | 1.7 | 6 | 32 | 175 | 3.16 | 10 |
| CC41824 | | 0.22 | 6.0 | 2.45 | 561 | <10 | 140 | 0.8 | 8 | 0.24 | 2.0 | 5 | 31 | 186 | 3.86 | 10 |
| CC41825 | | 0.14 | 2.8 | 2.62 | 138 | <10 | 200 | 0.8 | 10 | 0.32 | 1.9 | 10 | 47 | 92 | 3.43 | 10 |
| CC41826 | | 0.20 | 1.4 | 2.28 | 91 | <10 | 140 | 0.7 | 14 | 0.26 | 1.2 | 12 | 42 | 95 | 3.40 | 10 |
| CC41827 | | 0.16 | 1.3 | 2.38 | 57 | <10 | 130 | 0.7 | 11 | 0.19 | 0.8 | 10 | 49 | 104 | 3.38 | 10 |
| CC41828 | | 0.20 | 0.5 | 1.06 | 21 | <10 | 80 | <0.5 | 2 | 0.15 | 0.6 | 6 | 17 | 48 | 1.78 | <10 |
| CC41829 | | 0.16 | 2.0 | 2.55 | 91 | <10 | 220 | 0.9 | 7 | 0.30 | 2.0 | 30 | 45 | 150 | 3.73 | 10 |
| CC41830 | | 0.34 | 1.0 | 2.37 | 78 | <10 | 160 | 0.7 | 7 | 0.24 | 0.9 | 17 | 43 | 107 | 3.61 | 10 |
| CC41831 | | 0.24 | 0.3 | 0.74 | 14 | <10 | 50 | <0.5 | <2 | 0.14 | <0.5 | 4 | 12 | 28 | 1.41 | <10 |
| CC41832 | | 0.26 | 0.8 | 1.59 | 13 | <10 | 120 | <0.5 | 2 | 0.15 | <0.5 | 12 | 26 | 43 | 2.53 | 10 |
| CC41833 | | 0.20 | 0.6 | 2.27 | 4 | <10 | 350 | 0.6 | <2 | 0.43 | 0.5 | 12 | 64 | 32 | 3.16 | 10 |
| CC41834 | | 0.26 | 0.4 | 2.00 | 14 | <10 | 220 | <0.5 | <2 | 0.20 | <0.5 | 6 | 31 | 20 | 3.29 | 10 |
| CC41835 | | 0.12 | 0.5 | 1.22 | 3 | <10 | 130 | <0.5 | <2 | 0.15 | 0.7 | 4 | 16 | 14 | 1.68 | <10 |
| CC41836 | | 0.20 | 0.3 | 1.18 | 6 | <10 | 130 | <0.5 | <2 | 0.17 | <0.5 | 6 | 18 | 16 | 1.99 | <10 |
| CC41837 | | 0.14 | 0.2 | 1.29 | 6 | <10 | 60 | <0.5 | <2 | 0.09 | <0.5 | 5 | 13 | 10 | 1.46 | <10 |
| CC41838 | | 0.14 | 0.2 | 1.14 | 9 | <10 | 100 | <0.5 | <2 | 0.13 | 0.5 | 5 | 16 | 36 | 2.14 | <10 |
| CC41839 | | 0.30 | <0.2 | 1.30 | 7 | <10 | 120 | <0.5 | <2 | 0.21 | <0.5 | 7 | 21 | 40 | 2.33 | <10 |
| CC41840 | | 0.18 | 0.4 | 2.59 | 11 | <10 | 120 | 0.5 | <2 | 0.11 | 0.6 | 7 | 33 | 25 | 3.30 | 10 |
| CC41841 | | 0.16 | 2.9 | 1.06 | 106 | <10 | 70 | 0.6 | 2 | 0.07 | <0.5 | 2 | 11 | 52 | 1.38 | 10 |
| CC41842 | | 0.24 | 1.6 | 1.71 | 411 | <10 | 110 | 0.8 | 15 | 0.15 | 0.5 | 5 | 17 | 83 | 2.43 | 10 |
| CC41843 | | 0.24 | 1.7 | 1.81 | 633 | <10 | 150 | 0.7 | 15 | 0.19 | 0.8 | 7 | 22 | 134 | 2.97 | 10 |
| CC41844 | | 0.26 | 2.9 | 2.18 | 1190 | <10 | 110 | 0.9 | 21 | 0.11 | 0.8 | 7 | 25 | 128 | 3.41 | 10 |
| CC41845 | | 0.24 | <0.2 | 2.95 | 62 | <10 | 310 | 0.6 | <2 | 0.26 | 0.7 | 11 | 69 | 25 | 3.31 | 10 |
| CC41846 | | 0.24 | <0.2 | 1.45 | 51 | <10 | 260 | <0.5 | <2 | 0.19 | 0.6 | 5 | 40 | 20 | 2.13 | 10 |
| CC41847 | | 0.14 | 0.3 | 2.06 | 55 | <10 | 140 | 0.7 | <2 | 0.17 | 0.6 | 6 | 40 | 26 | 2.45 | 10 |
| CC41848 | | 0.20 | 0.3 | 1.38 | 42 | <10 | 100 | 0.7 | <2 | 0.13 | 0.5 | 4 | 20 | 19 | 2.11 | 10 |
| CC41849 | | 0.26 | 0.4 | 1.68 | 88 | <10 | 110 | 1.4 | 3 | 0.20 | 0.9 | 7 | 23 | 50 | 2.47 | 10 |
| CC41850 | | 0.16 | 0.4 | 0.96 | 65 | <10 | 60 | <0.5 | 3 | 0.10 | 0.5 | 3 | 14 | 25 | 1.37 | <10 |

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Finalized D. . 18-OCT-2007
Account: RCM

Project: CONNAUGHT - GRID A and GRID B

# CERTIFICATE OF ANALYSIS VA07109374

| 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 |
| CC41811 | | <1 | 0.10 | 30 | 0.49 | 271 | 1 | 0.01 | 13 | 260 | 87 | 0.03 | 2 | 2 | 29 | <20 |
| CC41812 | | 1 | 0.09 | 20 | 0.41 | 268 | 2 | 0.02 | 13 | 370 | 69 | 0.02 | <2 | 2 | 29 | <20 |
| CC41813 | | <1 | 0.09 | 20 | 0.49 | 213 | <1 | <0.01 | 6 | 230 | 61 | 0.03 | 4 | 1 | 31 | <20 |
| CC41814 | | <1 | 0.12 | 20 | 0.47 | 238 | 1 | 0.01 | 8 | 150 | 84 | 0.04 | 3 | 1 | 27 | <20 |
| CC41815 | | <1 | 0.06 | 10 | 0.49 | 197 | <1 | 0.01 | 20 | 310 | 38 | 0.03 | 4 | 3 | 16 | <20 |
| CC41816 | | <1 | 0.15 | 10 | 0.65 | 222 | 1 | 0.02 | 19 | 630 | 221 | 0.07 | 6 | 3 | 61 | <20 |
| CC41817 | | <1 | 0.13 | 10 | 0.63 | 197 | 1 | 0.02 | 22 | 400 | 80 | 0.07 | 3 | 2 | 79 | <20 |
| CC41818 | | <1 | 0.08 | 10 | 0.38 | 209 | 1 | 0.02 | 9 | 580 | 104 | 0.07 | 2 | 1 | 40 | <20 |
| CC41819 | | <1 | 0.04 | 10 | 0.15 | 126 | <1 | 0.03 | 4 | 350 | 20 | 0.04 | 2 | 1 | 12 | <20 |
| CC41820 | | 1 | 0.12 | 30 | 0.64 | 233 | 1 | 0.03 | 15 | 540 | 201 | 0.12 | 3 | 2 | 38 | <20 |
| CC41821 | | <1 | 0.14 | 30 | 0.57 | 241 | 1 | 0.03 | 8 | 570 | 705 | 0.20 | 4 | 1 | 57 | <20 |
| CC41822 | | 1 | 0.37 | 40 | 0.56 | 226 | 5 | 0.02 | 8 | 520 | 1340 | 0.51 | 9 | 2 | 25 | 30 |
| CC41823 | | <1 | 0.24 | 30 | 0.75 | 316 | 2 | 0.02 | 16 | 700 | 862 | 0.14 | 28 | 4 | 36 | <20 |
| CC41824 | | <1 | 0.16 | 30 | 0.73 | 196 | 2 | 0.02 | 15 | 850 | 1110 | 0.13 | 17 | 4 | 31 | <20 |
| CC41825 | | 1 | 0.29 | 20 | 1.20 | 385 | 1 | 0.03 | 21 | 620 | 168 | 0.09 | 6 | 4 | 41 | <20 |
| CC41826 | | <1 | 0.19 | 20 | 0.91 | 387 | 1 | 0.02 | 21 | 620 | 97 | 0.07 | 7 | 4 | 30 | <20 |
| CC41827 | | 1 | 0.22 | 20 | 0.84 | 299 | 1 | 0.02 | 25 | 540 | 63 | 0.07 | 3 | 4 | 30 | <20 |
| CC41828 | | <1 | 0.08 | 10 | 0.33 | 212 | <1 | 0.03 | 10 | 460 | 28 | 0.05 | 4 | 2 | 18 | <20 |
| CC41829 | | <1 | 0.20 | 20 | 0.86 | 1500 | 4 | 0.03 | 28 | 890 | 102 | 0.10 | 6 | 5 | 40 | <20 |
| CC41830 | | 1 | 0.18 | 20 | 0.83 | 464 | 1 | 0.02 | 25 | 740 | 74 | 0.06 | 6 | 4 | 33 | <20 |
| CC41831 | | <1 | 0.05 | 10 | 0.26 | 100 | <1 | 0.02 | 4 | 510 | 18 | 0.03 | <2 | 1 | 13 | <20 |
| CC41832 | | <1 | 0.07 | 30 | 0.56 | 1200 | <1 | 0.02 | 13 | 570 | 43 | 0.05 | 3 | 2 | 16 | <20 |
| CC41833 | | <1 | 0.13 | 30 | 1.04 | 798 | <1 | 0.02 | 30 | 850 | 19 | 0.05 | 3 | 5 | 26 | <20 |
| CC41834 | | <1 | 0.07 | 30 | 0.53 | 178 | 1 | 0.02 | 15 | 570 | 25 | 0.04 | <2 | 3 | 18 | <20 |
| CC41835 | | <1 | 0.06 | 20 | 0.22 | 176 | <1 | 0.02 | 10 | 370 | 22 | 0.04 | 2 | 1 | 16 | <20 |
| CC41836 | | <1 | 0.06 | 20 | 0.30 | 255 | <1 | 0.02 | 12 | 370 | 20 | 0.03 | 2 | 2 | 16 | <20 |
| CC41837 | | <1 | 0.04 | 10 | 0.15 | 262 | <1 | 0.02 | 6 | 400 | 12 | 0.03 | <2 | 1 | 9 | <20 |
| CC41838 | | <1 | 0.07 | 30 | 0.28 | 255 | 1 | 0.01 | 11 | 320 | 32 | 0.03 | <2 | 2 | 14 | <20 |
| CC41839 | | <1 | 0.07 | 30 | 0.38 | 398 | <1 | 0.01 | 16 | 450 | 31 | 0.02 | <2 | 3 | 16 | <20 |
| CC41840 | | <1 | 0.05 | 20 | 0.33 | 255 | <1 | 0.01 | 14 | 420 | 18 | 0.03 | 4 | 3 | 13 | <20 |
| CC41841 | | <1 | 0.05 | 20 | 0.14 | 67 | <1 | 0.02 | 4 | 390 | 50 | 0.05 | 3 | 1 | 15 | <20 |
| CC41842 | | <1 | 0.09 | 20 | 0.36 | 187 | <1 | 0.01 | 10 | 350 | 143 | 0.06 | 6 | 2 | 24 | <20 |
| CC41843 | | <1 | 0.15 | 20 | 0.58 | 320 | <1 | 0.01 | 15 | 340 | 134 | 0.07 | 7 | 3 | 29 | <20 |
| CC41844 | | 1 | 0.15 | 20 | 0.48 | 330 | <1 | 0.01 | 14 | 290 | 162 | 0.08 | 9 | 3 | 26 | <20 |
| CC41845 | | <1 | 0.18 | 10 | 1.01 | 382 | <1 | 0.02 | 33 | 610 | 68 | 0.05 | 5 | 5 | 29 | <20 |
| CC41846 | | <1 | 0.15 | 10 | 0.56 | 204 | 2 | 0.02 | 17 | 380 | 26 | 0.06 | 3 | 2 | 31 | <20 |
| CC41847 | | <1 | 0.08 | 10 | 0.68 | 240 | <1 | 0.02 | 24 | 490 | 26 | 0.07 | 4 | 2 | 35 | <20 |
| CC41848 | | <1 | 0.07 | 10 | 0.45 | 211 | 1 | 0.01 | 11 | 400 | 41 | 0.05 | 2 | 1 | 24 | <20 |
| CC41849 | | <1 | 0.10 | 20 | 0.63 | 386 | <1 | 0.01 | 16 | 460 | 70 | 0.04 | 4 | 2 | 29 | <20 |
| CC41850 | | <1 | 0.04 | 10 | 0.16 | 70 | <1 | 0.02 | 7 | 600 | 49 | 0.09 | <2 | 1 | 15 | <20 |

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## CERTIFICATE OF ANALYSIS VA07109374

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC41811 | | 0.05 | <10 | <10 | 32 | <10 | 78 |
| CC41812 | | 0.06 | <10 | <10 | 37 | <10 | 78 |
| CC41813 | | 0.04 | <10 | <10 | 22 | <10 | 72 |
| CC41814 | | 0.04 | <10 | <10 | 26 | <10 | 109 |
| CC41815 | | 0.07 | <10 | <10 | 50 | <10 | 59 |
| CC41816 | | 0.07 | <10 | <10 | 59 | <10 | 76 |
| CC41817 | | 0.07 | <10 | <10 | 56 | <10 | 59 |
| CC41818 | | 0.04 | <10 | <10 | 35 | <10 | 46 |
| CC41819 | | 0.06 | <10 | <10 | 34 | <10 | 42 |
| CC41820 | | 0.06 | <10 | <10 | 36 | <10 | 156 |
| CC41821 | | 0.05 | <10 | <10 | 30 | <10 | 123 |
| CC41822 | | 0.05 | <10 | <10 | 29 | 10 | 154 |
| CC41823 | | 0.08 | <10 | <10 | 52 | <10 | 166 |
| CC41824 | | 0.07 | <10 | <10 | 51 | <10 | 134 |
| CC41825 | | 0.10 | 10 | <10 | 68 | <10 | 175 |
| CC41826 | | 0.10 | <10 | <10 | 63 | 10 | 145 |
| CC41827 | | 0.11 | <10 | <10 | 65 | 10 | 119 |
| CC41828 | | 0.06 | <10 | <10 | 34 | <10 | 51 |
| CC41829 | | 0.09 | <10 | <10 | 62 | <10 | 159 |
| CC41830 | | 0.09 | <10 | <10 | 60 | 10 | 140 |
| CC41831 | | 0.05 | <10 | <10 | 28 | <10 | 40 |
| CC41832 | | 0.06 | <10 | <10 | 45 | <10 | 90 |
| CC41833 | | 0.09 | <10 | <10 | 73 | <10 | 90 |
| CC41834 | | 0.06 | <10 | <10 | 67 | <10 | 65 |
| CC41835 | | 0.05 | <10 | <10 | 34 | <10 | 41 |
| CC41836 | | 0.06 | <10 | <10 | 40 | <10 | 55 |
| CC41837 | | 0.03 | <10 | <10 | 28 | <10 | 38 |
| CC41838 | | 0.06 | <10 | <10 | 40 | <10 | 66 |
| CC41839 | | 0.07 | <10 | <10 | 43 | <10 | 77 |
| CC41840 | | 0.07 | <10 | <10 | 68 | <10 | 59 |
| CC41841 | | 0.04 | <10 | <10 | 27 | <10 | 30 |
| CC41842 | | 0.05 | <10 | <10 | 39 | <10 | 64 |
| CC41843 | | 0.08 | <10 | <10 | 48 | <10 | 87 |
| CC41844 | | 0.08 | <10 | <10 | 65 | <10 | 86 |
| CC41845 | | 0.10 | <10 | <10 | 80 | <10 | 164 |
| CC41846 | | 0.08 | 10 | <10 | 63 | <10 | 46 |
| CC41847 | | 0.06 | <10 | <10 | 56 | <10 | 69 |
| CC41848 | | 0.06 | <10 | <10 | 50 | <10 | 71 |
| CC41849 | | 0.06 | <10 | <10 | 41 | <10 | 143 |
| CC41850 | | 0.04 | <10 | <10 | 29 | <10 | 38 |

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


Finalized Date: 18-OCT-2007
Account: RCM

Project: CONNAUGHT - GRID A and GRID B

## CERTIFICATE OF ANALYSIS VA07109374

| 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 |
| CC41851 | | 0.20 | 6.1 | 1.51 | 1150 | <10 | 120 | 1.1 | 10 | 0.18 | 4.1 | 4 | 17 | 127 | 2.18 | <10 |
| CC41852 | | 0.24 | 4.8 | 2.23 | 794 | <10 | 200 | 1.2 | 11 | 0.34 | 4.2 | 9 | 32 | 179 | 3.18 | 10 |
| CC41853 | | 0.38 | 1.9 | 3.02 | 376 | <10 | 310 | 1.7 | 12 | 0.26 | 2.0 | 12 | 56 | 322 | 4.01 | 10 |
| CC41854 | | 0.24 | 4.9 | 2.42 | 302 | <10 | 180 | 1.3 | 16 | 0.28 | 2.0 | 7 | 33 | 206 | 2.77 | 10 |
| CC41855 | | 0.38 | 3.1 | 2.25 | 267 | <10 | 150 | 1.0 | 15 | 0.23 | 1.4 | 10 | 28 | 186 | 2.94 | 10 |
| CC41856 | | 0.40 | 2.3 | 2.06 | 363 | <10 | 140 | 0.8 | 14 | 0.24 | 1.6 | 9 | 35 | 154 | 3.18 | 10 |
| CC41857 | | 0.18 | 4.7 | 2.73 | 257 | <10 | 230 | 1.0 | 12 | 0.36 | 2.4 | 10 | 41 | 165 | 3.49 | 10 |
| CC41858 | | 0.38 | 1.4 | 1.80 | 271 | <10 | 110 | 0.6 | 12 | 0.21 | 0.9 | 9 | 29 | 94 | 2.84 | <10 |
| CC41859 | | 0.30 | 0.9 | 1.73 | 90 | <10 | 130 | 0.5 | 5 | 0.20 | 1.0 | 8 | 32 | 59 | 2.39 | 10 |
| CC41860 | | 0.40 | 0.9 | 2.01 | 61 | <10 | 150 | 0.6 | 12 | 0.28 | 0.8 | 12 | 38 | 89 | 2.93 | 10 |
| CC41861 | | 0.42 | 0.5 | 2.07 | 69 | <10 | 140 | 0.6 | 9 | 0.24 | 0.6 | 10 | 37 | 91 | 2.92 | 10 |
| CC41862 | | 0.26 | 0.8 | 1.84 | 53 | <10 | 120 | 0.5 | 3 | 0.19 | 0.5 | 7 | 30 | 77 | 2.48 | 10 |
| CC41863 | | 0.18 | 0.5 | 1.94 | 21 | <10 | 150 | 0.6 | 6 | 0.19 | 0.8 | 11 | 39 | 91 | 2.98 | 10 |
| CC41864 | | 0.26 | 0.6 | 1.65 | 11 | <10 | 190 | 0.5 | <2 | 0.24 | 0.5 | 7 | 24 | 27 | 2.36 | 10 |
| CC41865 | | 0.16 | 0.9 | 1.12 | 8 | <10 | 80 | <0.5 | <2 | 0.06 | <0.5 | 3 | 14 | 17 | 1.89 | 10 |
| CC41866 | | 0.24 | 0.3 | 1.65 | 13 | <10 | 150 | <0.5 | <2 | 0.18 | 0.6 | 7 | 27 | 30 | 2.80 | 10 |
| CC41867 | | 0.26 | 0.3 | 1.38 | 7 | <10 | 70 | <0.5 | <2 | 0.10 | 0.6 | 5 | 22 | 19 | 3.12 | 10 |
| CC41868 | | 0.16 | 0.5 | 0.51 | <2 | <10 | 80 | <0.5 | <2 | 0.06 | 0.5 | 1 | 8 | 16 | 0.62 | <10 |
| CC41869 | | 0.22 | <0.2 | 0.73 | <2 | <10 | 40 | <0.5 | <2 | 0.05 | <0.5 | 2 | 8 | 14 | 1.37 | <10 |
| CC41870 | | 0.30 | 0.3 | 1.64 | 6 | <10 | 130 | 0.6 | <2 | 0.20 | 0.5 | 6 | 23 | 32 | 2.45 | <10 |
| CC41871 | | 0.18 | 0.4 | 0.79 | 3 | <10 | 70 | <0.5 | <2 | 0.12 | 0.9 | 4 | 10 | 10 | 1.62 | <10 |
| CC41872 | | 0.16 | 1.2 | 0.68 | 63 | <10 | 40 | <0.5 | 3 | 0.04 | <0.5 | 1 | 7 | 20 | 1.13 | <10 |
| CC41873 | | 0.24 | 4.4 | 1.90 | 514 | <10 | 90 | 1.3 | 22 | 0.16 | 0.6 | 5 | 18 | 218 | 2.46 | 10 |
| CC41874 | | 0.30 | 2.3 | 2.46 | 102 | <10 | 120 | 0.9 | 4 | 0.14 | 0.5 | 9 | 29 | 87 | 3.00 | 10 |
| CC41875 | | 0.22 | 0.2 | 2.32 | 52 | <10 | 150 | 0.9 | 3 | 0.13 | <0.5 | 7 | 25 | 29 | 3.36 | 10 |
| CC41876 | | 0.24 | 0.7 | 2.48 | 97 | <10 | 170 | 1.1 | 2 | 0.31 | 0.6 | 9 | 40 | 39 | 3.03 | 10 |
| CC41877 | | 0.20 | 0.5 | 2.72 | 31 | <10 | 130 | 1.0 | <2 | 0.17 | 0.6 | 10 | 38 | 26 | 2.94 | 10 |
| CC41878 | | 0.18 | 0.7 | 1.83 | 126 | <10 | 150 | 1.6 | 4 | 0.32 | 0.7 | 7 | 22 | 37 | 2.32 | 10 |
| CC41879 | | 0.16 | 0.9 | 1.53 | 61 | <10 | 80 | 0.6 | <2 | 0.12 | 0.5 | 4 | 18 | 23 | 2.03 | 10 |
| CC41880 | | 0.28 | 1.3 | 2.18 | 564 | <10 | 210 | 1.5 | 5 | 0.27 | 1.2 | 12 | 27 | 66 | 2.97 | 10 |
| CC41881 | | 0.24 | 0.3 | 0.65 | 56 | <10 | 40 | <0.5 | 9 | 0.10 | <0.5 | 3 | 8 | 18 | 1.71 | <10 |
| CC41882 | | 0.24 | 2.6 | 1.86 | 321 | <10 | 120 | 0.8 | 9 | 0.18 | 1.5 | 6 | 34 | 99 | 2.53 | 10 |
| CC41883 | | 0.26 | 2.3 | 3.08 | 237 | <10 | 260 | 1.0 | 23 | 0.37 | 2.3 | 12 | 71 | 312 | 3.90 | 10 |
| CC41884 | | 0.24 | 4.8 | 2.20 | 419 | <10 | 140 | 0.8 | 13 | 0.25 | 2.2 | 8 | 36 | 123 | 2.95 | 10 |
| CC41885 | | 0.20 | 3.1 | 2.40 | 235 | <10 | 200 | 0.9 | 9 | 0.31 | 2.8 | 9 | 46 | 146 | 3.07 | 10 |
| CC41886 | | 0.30 | 1.4 | 1.56 | 207 | <10 | 150 | 0.5 | 10 | 0.26 | 1.8 | 8 | 27 | 61 | 2.25 | 10 |
| CC41887 | | 0.28 | 1.9 | 1.88 | 278 | <10 | 160 | 0.7 | 8 | 0.25 | 1.9 | 9 | 33 | 108 | 2.67 | 10 |
| CC41888 | | 0.42 | 1.7 | 1.92 | 242 | <10 | 130 | 0.8 | 13 | 0.27 | 1.5 | 8 | 31 | 122 | 2.76 | 10 |
| CC41889 | | 0.30 | 1.4 | 1.91 | 195 | <10 | 130 | 0.7 | 8 | 0.24 | 1.4 | 6 | 29 | 100 | 2.37 | 10 |
| CC41890 | | 0.30 | 1.6 | 2.12 | 197 | <10 | 130 | 0.7 | 10 | 0.21 | 1.1 | 8 | 35 | 111 | 2.71 | 10 |

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Project: CONNAUGHT - GRID A and GRID B

## CERTIFICATE OF ANALYSIS VA07109374

| 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 |
| CC41851 | | <1 | 0.10 | 30 | 0.40 | 178 | 1 | 0.02 | 9 | 680 | 1000 | 0.14 | 27 | 1 | 32 | <20 |
| CC41852 | | <1 | 0.23 | 30 | 0.85 | 374 | 1 | 0.02 | 17 | 690 | 573 | 0.10 | 28 | 3 | 48 | <20 |
| CC41853 | | <1 | 0.55 | 30 | 1.51 | 484 | 3 | 0.02 | 26 | 670 | 144 | 0.12 | 9 | 6 | 63 | <20 |
| CC41854 | | <1 | 0.22 | 30 | 0.79 | 223 | 2 | 0.02 | 19 | 850 | 256 | 0.14 | 7 | 4 | 45 | <20 |
| CC41855 | | <1 | 0.24 | 20 | 0.90 | 392 | 2 | 0.01 | 16 | 620 | 359 | 0.07 | 14 | 4 | 39 | <20 |
| CC41856 | | <1 | 0.23 | 20 | 0.81 | 350 | 1 | 0.01 | 18 | 650 | 305 | 0.08 | 7 | 4 | 36 | <20 |
| CC41857 | | <1 | 0.18 | 30 | 0.82 | 402 | 1 | 0.02 | 24 | 1010 | 442 | 0.12 | 10 | 4 | 48 | <20 |
| CC41858 | | <1 | 0.18 | 20 | 0.69 | 357 | 1 | 0.01 | 15 | 690 | 303 | 0.07 | 8 | 3 | 25 | <20 |
| CC41859 | | <1 | 0.12 | 20 | 0.63 | 261 | <1 | 0.02 | 16 | 560 | 99 | 0.07 | 6 | 3 | 23 | <20 |
| CC41860 | | <1 | 0.16 | 20 | 0.80 | 296 | 1 | 0.01 | 22 | 660 | 68 | 0.03 | 5 | 5 | 28 | <20 |
| CC41861 | | <1 | 0.17 | 10 | 0.81 | 280 | 1 | 0.01 | 22 | 570 | 71 | 0.04 | 3 | 4 | 24 | <20 |
| CC41862 | | <1 | 0.09 | 10 | 0.61 | 219 | 1 | 0.02 | 17 | 550 | 49 | 0.05 | 7 | 2 | 22 | <20 |
| CC41863 | | 1 | 0.11 | 20 | 0.76 | 910 | <1 | 0.01 | 19 | 590 | 45 | 0.05 | 5 | 3 | 21 | <20 |
| CC41864 | | 1 | 0.08 | 30 | 0.37 | 446 | <1 | 0.02 | 14 | 510 | 49 | 0.04 | 3 | 2 | 23 | <20 |
| CC41865 | | <1 | 0.04 | 10 | 0.10 | 103 | 1 | 0.01 | 6 | 300 | 25 | 0.03 | <2 | 1 | 11 | <20 |
| CC41866 | | <1 | 0.07 | 20 | 0.43 | 350 | <1 | 0.01 | 18 | 420 | 68 | 0.02 | 2 | 3 | 16 | <20 |
| CC41867 | | <1 | 0.05 | 10 | 0.29 | 224 | 5 | 0.01 | 13 | 290 | 51 | 0.03 | <2 | 2 | 12 | <20 |
| CC41868 | | 1 | 0.03 | 20 | 0.05 | 29 | <1 | 0.02 | 4 | 430 | 20 | 0.04 | 2 | <1 | 15 | <20 |
| CC41869 | | <1 | 0.03 | 10 | 0.09 | 94 | <1 | 0.02 | 3 | 220 | 20 | 0.02 | 2 | 1 | 7 | <20 |
| CC41870 | | <1 | 0.09 | 40 | 0.56 | 268 | 1 | 0.01 | 15 | 350 | 74 | 0.02 | 2 | 3 | 18 | <20 |
| CC41871 | | <1 | 0.05 | 20 | 0.22 | 170 | <1 | 0.02 | 5 | 290 | 25 | 0.03 | <2 | 1 | 12 | <20 |
| CC41872 | | <1 | 0.04 | 10 | 0.07 | 74 | <1 | 0.01 | 3 | 260 | 35 | 0.04 | 2 | <1 | 8 | <20 |
| CC41873 | | 1 | 0.17 | 30 | 0.55 | 411 | <1 | 0.01 | 10 | 350 | 303 | 0.05 | 4 | 2 | 25 | <20 |
| CC41874 | | 1 | 0.08 | 10 | 0.51 | 314 | <1 | 0.01 | 20 | 310 | 78 | 0.03 | 4 | 3 | 18 | <20 |
| CC41875 | | 1 | 0.15 | 10 | 0.59 | 306 | <1 | 0.01 | 15 | 280 | 41 | 0.03 | 6 | 3 | 30 | <20 |
| CC41876 | | 1 | 0.11 | 20 | 0.87 | 292 | 1 | 0.02 | 31 | 570 | 64 | 0.04 | 3 | 3 | 44 | <20 |
| CC41877 | | 1 | 0.07 | 10 | 0.56 | 295 | 1 | 0.01 | 31 | 500 | 25 | 0.05 | 4 | 3 | 17 | <20 |
| CC41878 | | <1 | 0.14 | 20 | 0.67 | 303 | 1 | 0.02 | 16 | 560 | 93 | 0.04 | 4 | 2 | 82 | <20 |
| CC41879 | | 1 | 0.06 | 10 | 0.31 | 139 | <1 | 0.02 | 10 | 470 | 64 | 0.06 | 2 | 1 | 20 | <20 |
| CC41880 | | 1 | 0.15 | 30 | 0.72 | 819 | 1 | 0.02 | 18 | 690 | 321 | 0.10 | 17 | 2 | 44 | <20 |
| CC41881 | | <1 | 0.04 | <10 | 0.13 | 124 | <1 | 0.02 | 5 | 320 | 26 | 0.03 | 2 | 1 | 14 | <20 |
| CC41882 | | 1 | 0.11 | 20 | 0.61 | 253 | <1 | 0.02 | 17 | 660 | 231 | 0.09 | 8 | 2 | 27 | <20 |
| CC41883 | | <1 | 0.52 | 20 | 1.62 | 419 | 2 | 0.02 | 33 | 750 | 151 | 0.10 | 7 | 7 | 45 | <20 |
| CC41884 | | <1 | 0.18 | 20 | 0.86 | 325 | 1 | 0.01 | 19 | 630 | 835 | 0.06 | 23 | 4 | 30 | <20 |
| CC41885 | | 1 | 0.21 | 20 | 0.84 | 358 | 1 | 0.02 | 25 | 810 | 469 | 0.09 | 13 | 4 | 42 | <20 |
| CC41886 | | 1 | 0.10 | 10 | 0.55 | 322 | <1 | 0.02 | 16 | 590 | 165 | 0.04 | 9 | 3 | 27 | <20 |
| CC41887 | | <1 | 0.16 | 20 | 0.73 | 396 | 1 | 0.01 | 19 | 590 | 186 | 0.05 | 9 | 3 | 29 | <20 |
| CC41888 | | <1 | 0.15 | 20 | 0.70 | 226 | 1 | 0.01 | 17 | 650 | 198 | 0.04 | 11 | 4 | 32 | <20 |
| CC41889 | | <1 | 0.11 | 20 | 0.60 | 217 | <1 | 0.01 | 16 | 660 | 244 | 0.04 | 8 | 3 | 25 | <20 |
| CC41890 | | <1 | 0.14 | 20 | 0.74 | 234 | 1 | 0.01 | 18 | 650 | 258 | 0.04 | 7 | 4 | 29 | <20 |

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Finalized Date: 18-OCT-2007
Account: RCM

Project: CONNAUGHT - GRID A and GRID B

## CERTIFICATE OF ANALYSIS VA07109374

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC41851 | | 0.04 | <10 | <10 | 29 | <10 | 161 |
| CC41852 | | 0.08 | <10 | <10 | 54 | <10 | 262 |
| CC41853 | | 0.12 | <10 | <10 | 76 | <10 | 373 |
| CC41854 | | 0.06 | <10 | 10 | 48 | <10 | 210 |
| CC41855 | | 0.08 | <10 | <10 | 53 | <10 | 195 |
| CC41856 | | 0.09 | <10 | <10 | 58 | <10 | 173 |
| CC41857 | | 0.07 | 10 | <10 | 58 | <10 | 171 |
| CC41858 | | 0.08 | <10 | <10 | 45 | <10 | 126 |
| CC41859 | | 0.07 | <10 | <10 | 47 | <10 | 113 |
| CC41860 | | 0.10 | <10 | <10 | 53 | <10 | 131 |
| CC41861 | | 0.10 | <10 | <10 | 52 | <10 | 110 |
| CC41862 | | 0.07 | <10 | <10 | 45 | <10 | 87 |
| CC41863 | | 0.07 | <10 | <10 | 54 | <10 | 109 |
| CC41864 | | 0.06 | <10 | <10 | 47 | <10 | 84 |
| CC41865 | | 0.07 | <10 | <10 | 64 | <10 | 32 |
| CC41866 | | 0.07 | <10 | <10 | 56 | <10 | 110 |
| CC41867 | | 0.07 | <10 | <10 | 55 | <10 | 71 |
| CC41868 | | 0.02 | <10 | <10 | 12 | <10 | 14 |
| CC41869 | | 0.04 | <10 | <10 | 27 | <10 | 26 |
| CC41870 | | 0.07 | <10 | <10 | 45 | <10 | 102 |
| CC41871 | | 0.06 | <10 | <10 | 30 | <10 | 42 |
| CC41872 | | 0.04 | <10 | <10 | 31 | <10 | 21 |
| CC41873 | | 0.05 | <10 | <10 | 29 | <10 | 120 |
| CC41874 | | 0.07 | <10 | <10 | 52 | <10 | 72 |
| CC41875 | | 0.11 | 10 | <10 | 79 | <10 | 67 |
| CC41876 | | 0.08 | <10 | <10 | 55 | <10 | 104 |
| CC41877 | | 0.07 | <10 | <10 | 63 | <10 | 76 |
| CC41878 | | 0.06 | <10 | <10 | 40 | <10 | 93 |
| CC41879 | | 0.05 | 10 | <10 | 37 | <10 | 68 |
| CC41880 | | 0.06 | <10 | <10 | 48 | <10 | 164 |
| CC41881 | | 0.06 | <10 | <10 | 43 | <10 | 50 |
| CC41882 | | 0.06 | <10 | <10 | 46 | <10 | 152 |
| CC41883 | | 0.13 | <10 | <10 | 81 | 10 | 393 |
| CC41884 | | 0.08 | <10 | <10 | 57 | <10 | 218 |
| CC41885 | | 0.09 | <10 | <10 | 61 | <10 | 193 |
| CC41886 | | 0.07 | <10 | <10 | 43 | <10 | 143 |
| CC41887 | | 0.08 | <10 | <10 | 52 | <10 | 166 |
| CC41888 | | 0.08 | <10 | <10 | 46 | <10 | 182 |
| CC41889 | | 0.07 | <10 | <10 | 45 | <10 | 147 |
| CC41890 | | 0.08 | <10 | <10 | 49 | <10 | 141 |

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8


Finalized D 29-OCT-2007
Account: RCM

## CERTIFICATE VA07109373

Project: CONNAUGHT - GRID A and GRID B

P.O. No.:

This report is for 186 Soil samples submitted to our lab in Vancouver, BC, Canada on 13-SEP-2007.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| AL ARCHER<br>BILL WENGZYNOWSKI | DOUG EATON | JOAN MARIACHER |

## 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 |
|---|---|---|
| ME-ICP41 | 35 Element Aqua Regia ICP-AES | ICP-AES |

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

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

**Signature:** Lawrence Ng

Lawrence Ng, Laboratory Manager - Vancouver

# ALS Chemex

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Finalized Date: 29-OCT-2007
Account: RCM

Project: CONNAUGHT - GRID A and GRID B

## CERTIFICATE OF ANALYSIS VA07109373

| 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 |
| CC10651 | | 0.30 | <0.2 | 1.48 | 47 | <10 | 160 | 1.4 | 6 | 0.15 | 1.5 | 7 | 21 | 18 | 2.05 | <10 |
| CC10652 | | 0.28 | 0.4 | 1.95 | 18 | <10 | 60 | 0.6 | 2 | 0.07 | <0.5 | 4 | 22 | 15 | 2.93 | 10 |
| CC10653 | | 0.24 | 0.3 | 2.09 | 25 | <10 | 140 | 1.4 | 2 | 0.16 | 0.8 | 8 | 29 | 25 | 2.60 | 10 |
| CC10654 | | 0.18 | <0.2 | 1.88 | 17 | <10 | 60 | 0.5 | <2 | 0.10 | <0.5 | 13 | 29 | 31 | 2.58 | 10 |
| CC10655 | | 0.28 | <0.2 | 2.30 | 16 | <10 | 90 | 0.9 | <2 | 0.12 | <0.5 | 7 | 28 | 21 | 2.69 | 10 |
| CC10656 | | 0.26 | <0.2 | 1.41 | 17 | <10 | 80 | 0.6 | 2 | 0.13 | <0.5 | 6 | 19 | 14 | 2.09 | <10 |
| CC10657 | | 0.20 | 0.3 | 1.77 | 17 | <10 | 90 | <0.5 | 2 | 0.10 | 0.6 | 5 | 21 | 19 | 2.61 | 10 |
| CC10658 | | 0.20 | 1.2 | 3.10 | 90 | <10 | 190 | 1.7 | 3 | 0.25 | <0.5 | 7 | 35 | 39 | 4.51 | 10 |
| CC10659 | | 0.24 | 2.4 | 2.84 | 137 | <10 | 240 | 1.6 | 2 | 0.31 | 0.8 | 9 | 34 | 38 | 3.84 | 10 |
| CC10660 | | 0.30 | 0.7 | 1.88 | 68 | <10 | 150 | 1.1 | 4 | 0.26 | 0.6 | 9 | 26 | 20 | 3.05 | 10 |
| CC10661 | | 0.34 | 0.7 | 1.60 | 81 | <10 | 100 | 0.7 | 2 | 0.20 | 0.9 | 7 | 25 | 19 | 2.95 | 10 |
| CC10662 | | 0.20 | 1.5 | 1.40 | 38 | <10 | 110 | 0.9 | <2 | 0.14 | 1.3 | 4 | 17 | 17 | 2.47 | 10 |
| CC10663 | | 0.24 | 7.4 | 1.77 | 331 | <10 | 80 | 0.8 | 2 | 0.15 | 1.2 | 5 | 20 | 39 | 2.94 | 10 |
| CC10664 | | 0.20 | 1.2 | 2.50 | 203 | <10 | 110 | 1.0 | 3 | 0.13 | 1.6 | 6 | 29 | 24 | 4.05 | 10 |
| CC10665 | | 0.12 | 1.1 | 1.31 | 40 | <10 | 110 | <0.5 | 2 | 0.06 | 1.0 | 3 | 16 | 19 | 2.17 | 10 |
| CC10666 | | 0.26 | 1.1 | 1.86 | 110 | <10 | 80 | 0.8 | 6 | 0.21 | 1.2 | 6 | 21 | 21 | 3.19 | 10 |
| CC10667 | | 0.22 | 2.9 | 2.83 | 133 | <10 | 180 | 1.6 | <2 | 0.24 | 1.7 | 8 | 27 | 37 | 3.64 | 10 |
| CC10668 | | 0.22 | 0.5 | 2.03 | 86 | <10 | 70 | 0.9 | 3 | 0.17 | <0.5 | 5 | 20 | 15 | 3.63 | 10 |
| CC10669 | | 0.34 | 0.9 | 2.38 | 128 | <10 | 90 | 1.2 | 2 | 0.17 | 0.6 | 8 | 29 | 24 | 2.95 | <10 |
| CC10670 | | 0.24 | 0.4 | 1.90 | 26 | <10 | 80 | 0.9 | 2 | 0.10 | <0.5 | 6 | 23 | 14 | 2.60 | 10 |
| CC10671 | | 0.30 | 0.2 | 2.05 | 20 | <10 | 80 | 1.0 | <2 | 0.10 | <0.5 | 5 | 22 | 15 | 2.93 | 10 |
| CC10672 | | 0.18 | <0.2 | 1.84 | 15 | <10 | 100 | 0.9 | 2 | 0.13 | <0.5 | 8 | 25 | 17 | 2.55 | <10 |
| CC10673 | | 0.20 | 0.4 | 2.48 | 52 | <10 | 120 | 1.6 | 2 | 0.22 | 0.7 | 9 | 33 | 25 | 3.11 | 10 |
| CC10674 | | 0.24 | 0.2 | 1.75 | 18 | <10 | 130 | 0.9 | 2 | 0.22 | 0.6 | 8 | 27 | 19 | 2.53 | <10 |
| CC10675 | | 0.18 | 0.2 | 1.86 | 22 | <10 | 100 | 0.7 | <2 | 0.11 | 0.5 | 6 | 27 | 16 | 3.08 | 10 |
| CC10676 | | 0.28 | <0.2 | 1.11 | 46 | <10 | 80 | 0.8 | <2 | 0.24 | 0.5 | 5 | 19 | 13 | 2.16 | <10 |
| CC10677 | | 0.26 | 0.2 | 1.23 | 23 | <10 | 90 | 0.5 | 2 | 0.13 | <0.5 | 5 | 18 | 10 | 2.29 | 10 |
| CC10678 | | 0.14 | <0.2 | 0.80 | 11 | <10 | 70 | <0.5 | 2 | 0.09 | 0.5 | 2 | 11 | 9 | 1.26 | <10 |
| CC10679 | | 0.22 | 0.3 | 2.31 | 39 | <10 | 140 | 1.8 | <2 | 0.20 | 0.5 | 7 | 28 | 17 | 3.28 | 10 |
| CC10680 | | 0.26 | <0.2 | 2.20 | 28 | <10 | 120 | 1.1 | 3 | 0.14 | <0.5 | 9 | 29 | 17 | 2.78 | 10 |
| CC10681 | | 0.24 | 0.2 | 1.72 | 31 | <10 | 140 | 1.3 | 3 | 0.22 | <0.5 | 7 | 23 | 15 | 2.80 | 10 |
| CC10682 | | 0.28 | <0.2 | 2.53 | 31 | <10 | 160 | 1.4 | <2 | 0.15 | 0.5 | 7 | 33 | 19 | 3.59 | 10 |
| CC10683 | | 0.18 | 0.2 | 2.10 | 37 | <10 | 150 | 1.2 | <2 | 0.14 | 1.1 | 8 | 26 | 18 | 3.35 | 10 |
| CC10684 | | 0.14 | 0.5 | 2.94 | 106 | <10 | 280 | 1.7 | 3 | 0.41 | 1.0 | 9 | 36 | 33 | 4.11 | 10 |
| CC10685 | | 0.30 | 0.3 | 1.86 | 35 | <10 | 150 | 0.7 | <2 | 0.21 | <0.5 | 7 | 26 | 15 | 2.98 | 10 |
| CC10686 | | 0.20 | 0.3 | 0.99 | 8 | <10 | 170 | 0.9 | 2 | 0.16 | 0.8 | 3 | 15 | 19 | 1.53 | <10 |
| CC10687 | | 0.16 | 0.3 | 0.73 | 6 | <10 | 60 | <0.5 | 2 | 0.07 | <0.5 | 1 | 13 | 14 | 1.45 | <10 |
| CC10688 | | 0.28 | 0.3 | 1.54 | 15 | <10 | 150 | 0.8 | 3 | 0.16 | <0.5 | 5 | 21 | 16 | 2.31 | 10 |
| CC10689 | | 0.36 | 0.2 | 1.56 | 18 | <10 | 100 | 0.9 | 3 | 0.22 | <0.5 | 6 | 24 | 16 | 3.05 | 10 |
| CC10690 | | 0.16 | 0.2 | 1.61 | 14 | <10 | 160 | 0.8 | 2 | 0.20 | <0.5 | 9 | 24 | 17 | 2.44 | 10 |

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


Finalized Date: 29-OCT-2007
Account: RCM

Project: CONNAUGHT - GRID A and GRID B

## CERTIFICATE OF ANALYSIS VA07109373

| 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 |
| CC10651 | | 1 | 0.09 | 160 | 0.32 | 532 | 2 | 0.01 | 16 | 550 | 99 | 0.02 | 5 | 3 | 20 | 50 |
| CC10652 | | <1 | 0.04 | 20 | 0.22 | 386 | 1 | 0.01 | 11 | 290 | 32 | 0.02 | <2 | 2 | 8 | <20 |
| CC10653 | | 1 | 0.06 | 70 | 0.44 | 502 | 1 | 0.02 | 21 | 390 | 36 | 0.03 | 4 | 4 | 16 | 20 |
| CC10654 | | 1 | 0.04 | 20 | 0.24 | 218 | 5 | 0.02 | 29 | 320 | 71 | 0.03 | 3 | 2 | 11 | <20 |
| CC10655 | | <1 | 0.06 | 30 | 0.41 | 234 | 1 | 0.02 | 24 | 270 | 35 | 0.03 | 2 | 3 | 12 | <20 |
| CC10656 | | 1 | 0.05 | 20 | 0.29 | 280 | 1 | 0.02 | 16 | 230 | 25 | 0.02 | 2 | 2 | 13 | <20 |
| CC10657 | | <1 | 0.03 | 10 | 0.19 | 168 | 1 | 0.02 | 13 | 380 | 25 | 0.04 | 2 | 2 | 13 | <20 |
| CC10658 | | <1 | 0.22 | 100 | 0.60 | 312 | 2 | 0.02 | 19 | 680 | 443 | 0.05 | 6 | 6 | 26 | 20 |
| CC10659 | | 1 | 0.28 | 80 | 0.68 | 461 | 2 | 0.03 | 21 | 690 | 458 | 0.05 | 6 | 7 | 31 | 20 |
| CC10660 | | 2 | 0.16 | 50 | 0.56 | 487 | 1 | 0.02 | 18 | 520 | 237 | 0.02 | 5 | 5 | 22 | 20 |
| CC10661 | | 1 | 0.15 | 40 | 0.45 | 640 | 2 | 0.02 | 17 | 510 | 126 | 0.04 | 6 | 3 | 18 | <20 |
| CC10662 | | 1 | 0.07 | 40 | 0.25 | 212 | 1 | 0.02 | 11 | 350 | 195 | 0.03 | 4 | 2 | 18 | <20 |
| CC10663 | | <1 | 0.11 | 30 | 0.35 | 335 | 3 | 0.02 | 15 | 560 | 2400 | 0.04 | 26 | 3 | 14 | <20 |
| CC10664 | | 1 | 0.16 | 60 | 0.49 | 338 | 3 | 0.02 | 17 | 530 | 372 | 0.04 | 9 | 4 | 17 | <20 |
| CC10665 | | 1 | 0.08 | 20 | 0.19 | 286 | 2 | 0.02 | 11 | 300 | 179 | 0.03 | 3 | 2 | 11 | <20 |
| CC10666 | | 1 | 0.21 | 60 | 0.55 | 369 | 3 | 0.02 | 13 | 600 | 353 | 0.03 | 10 | 4 | 16 | 20 |
| CC10667 | | <1 | 0.31 | 80 | 0.68 | 436 | 1 | 0.02 | 22 | 700 | 648 | 0.04 | 4 | 6 | 19 | <20 |
| CC10668 | | 1 | 0.22 | 30 | 0.52 | 272 | 2 | 0.02 | 11 | 480 | 212 | 0.03 | 4 | 4 | 11 | 20 |
| CC10669 | | 1 | 0.13 | 30 | 0.47 | 310 | 1 | 0.02 | 20 | 380 | 463 | 0.03 | 11 | 4 | 13 | 20 |
| CC10670 | | 1 | 0.06 | 10 | 0.31 | 281 | 1 | 0.01 | 13 | 290 | 91 | 0.03 | 2 | 2 | 11 | <20 |
| CC10671 | | 1 | 0.10 | 30 | 0.33 | 268 | 1 | 0.01 | 15 | 300 | 40 | 0.02 | 3 | 3 | 11 | 20 |
| CC10672 | | 2 | 0.07 | 20 | 0.38 | 292 | 1 | 0.02 | 18 | 360 | 27 | 0.03 | <2 | 3 | 13 | <20 |
| CC10673 | | <1 | 0.09 | 60 | 0.54 | 330 | 3 | 0.02 | 26 | 540 | 544 | 0.02 | 5 | 5 | 19 | 30 |
| CC10674 | | 1 | 0.08 | 30 | 0.45 | 267 | 1 | 0.02 | 19 | 550 | 47 | 0.03 | 5 | 3 | 18 | <20 |
| CC10675 | | <1 | 0.10 | 30 | 0.34 | 360 | 1 | 0.02 | 13 | 530 | 38 | 0.04 | 2 | 3 | 13 | <20 |
| CC10676 | | <1 | 0.08 | 30 | 0.32 | 376 | 1 | 0.03 | 12 | 500 | 33 | 0.01 | 3 | 3 | 19 | 40 |
| CC10677 | | 1 | 0.08 | 20 | 0.25 | 305 | 1 | 0.02 | 10 | 380 | 35 | 0.03 | 2 | 2 | 15 | <20 |
| CC10678 | | <1 | 0.05 | 10 | 0.09 | 82 | 1 | 0.02 | 5 | 490 | 13 | 0.05 | <2 | 1 | 12 | <20 |
| CC10679 | | 1 | 0.10 | 90 | 0.40 | 369 | 2 | 0.03 | 16 | 450 | 42 | 0.03 | 4 | 5 | 23 | 30 |
| CC10680 | | 1 | 0.10 | 30 | 0.40 | 398 | 1 | 0.01 | 20 | 420 | 28 | 0.02 | 2 | 4 | 13 | 30 |
| CC10681 | | 1 | 0.15 | 70 | 0.37 | 330 | 2 | 0.02 | 16 | 510 | 24 | 0.03 | <2 | 4 | 20 | <20 |
| CC10682 | | <1 | 0.13 | 50 | 0.49 | 372 | 2 | <0.01 | 20 | 490 | 38 | 0.01 | 4 | 6 | 15 | 20 |
| CC10683 | | <1 | 0.12 | 60 | 0.37 | 274 | 2 | <0.01 | 15 | 630 | 34 | 0.04 | 4 | 4 | 18 | <20 |
| CC10684 | | <1 | 0.16 | 120 | 0.48 | 470 | 4 | 0.01 | 24 | 1010 | 63 | 0.08 | 3 | 7 | 40 | 20 |
| CC10685 | | 1 | 0.09 | 40 | 0.45 | 232 | 1 | <0.01 | 16 | 630 | 40 | 0.03 | 2 | 4 | 19 | <20 |
| CC10686 | | 1 | 0.07 | 60 | 0.14 | 108 | 2 | 0.01 | 10 | 810 | 18 | 0.06 | <2 | 1 | 19 | <20 |
| CC10687 | | 1 | 0.05 | 10 | 0.11 | 83 | 2 | 0.01 | 5 | 480 | 14 | 0.04 | 3 | 1 | 10 | <20 |
| CC10688 | | <1 | 0.09 | 60 | 0.30 | 280 | 2 | 0.01 | 12 | 520 | 21 | 0.02 | 3 | 4 | 18 | <20 |
| CC10689 | | <1 | 0.12 | 90 | 0.43 | 285 | 2 | 0.01 | 15 | 580 | 34 | 0.01 | 4 | 5 | 17 | 20 |
| CC10690 | | <1 | 0.08 | 70 | 0.34 | 666 | 2 | 0.01 | 17 | 670 | 20 | 0.03 | 3 | 4 | 19 | <20 |

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Project: CONNAUGHT - GRID A and GRID B

## CERTIFICATE OF ANALYSIS VA07109373

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC10651 | | 0.04 | <10 | <10 | 38 | <10 | 124 |
| CC10652 | | 0.07 | <10 | <10 | 62 | <10 | 56 |
| CC10653 | | 0.07 | <10 | <10 | 53 | <10 | 79 |
| CC10654 | | 0.08 | <10 | <10 | 64 | <10 | 72 |
| CC10655 | | 0.08 | <10 | <10 | 53 | <10 | 62 |
| CC10656 | | 0.08 | <10 | <10 | 46 | <10 | 49 |
| CC10657 | | 0.08 | <10 | <10 | 63 | <10 | 41 |
| CC10658 | | 0.13 | 10 | <10 | 85 | <10 | 122 |
| CC10659 | | 0.12 | <10 | <10 | 72 | <10 | 193 |
| CC10660 | | 0.11 | <10 | <10 | 53 | <10 | 154 |
| CC10661 | | 0.10 | <10 | <10 | 61 | <10 | 133 |
| CC10662 | | 0.08 | <10 | <10 | 50 | <10 | 80 |
| CC10663 | | 0.08 | <10 | <10 | 52 | <10 | 286 |
| CC10664 | | 0.10 | <10 | <10 | 79 | <10 | 333 |
| CC10665 | | 0.09 | <10 | <10 | 58 | <10 | 70 |
| CC10666 | | 0.12 | <10 | <10 | 54 | <10 | 192 |
| CC10667 | | 0.13 | <10 | <10 | 69 | <10 | 150 |
| CC10668 | | 0.16 | <10 | <10 | 65 | <10 | 98 |
| CC10669 | | 0.09 | <10 | <10 | 53 | <10 | 130 |
| CC10670 | | 0.08 | <10 | <10 | 55 | <10 | 63 |
| CC10671 | | 0.08 | <10 | <10 | 57 | <10 | 51 |
| CC10672 | | 0.08 | <10 | <10 | 51 | <10 | 55 |
| CC10673 | | 0.10 | <10 | <10 | 64 | <10 | 129 |
| CC10674 | | 0.09 | <10 | <10 | 55 | <10 | 97 |
| CC10675 | | 0.09 | <10 | <10 | 66 | <10 | 82 |
| CC10676 | | 0.07 | <10 | <10 | 42 | <10 | 67 |
| CC10677 | | 0.07 | <10 | <10 | 50 | <10 | 63 |
| CC10678 | | 0.04 | <10 | <10 | 30 | <10 | 34 |
| CC10679 | | 0.07 | <10 | <10 | 61 | <10 | 98 |
| CC10680 | | 0.09 | <10 | <10 | 55 | <10 | 85 |
| CC10681 | | 0.09 | <10 | <10 | 48 | <10 | 78 |
| CC10682 | | 0.09 | <10 | <10 | 64 | <10 | 85 |
| CC10683 | | 0.08 | <10 | <10 | 54 | <10 | 80 |
| CC10684 | | 0.06 | <10 | <10 | 64 | <10 | 105 |
| CC10685 | | 0.06 | <10 | <10 | 50 | <10 | 66 |
| CC10686 | | 0.03 | <10 | <10 | 28 | <10 | 33 |
| CC10687 | | 0.04 | <10 | <10 | 31 | <10 | 24 |
| CC10688 | | 0.06 | <10 | <10 | 41 | <10 | 49 |
| CC10689 | | 0.10 | <10 | <10 | 50 | <10 | 65 |
| CC10690 | | 0.06 | <10 | <10 | 43 | <10 | 59 |

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To: ATAC RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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VANCOUVER BC V6B 1L8


Finalized Date: 29-OCT-2007
Account: RCM

Project: CONNAUGHT - GRID A and GRID B

# CERTIFICATE OF ANALYSIS VA07109373

| 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 |
| CC10691 | | 0.26 | <0.2 | 1.60 | 11 | <10 | 120 | 0.6 | <2 | 0.23 | <0.5 | 8 | 24 | 13 | 2.94 | 10 |
| CC10692 | | 0.38 | 0.2 | 1.74 | 13 | <10 | 140 | 0.6 | 3 | 0.22 | <0.5 | 7 | 23 | 16 | 2.90 | 10 |
| CC10693 | | 0.34 | 0.2 | 1.68 | 8 | <10 | 170 | 0.7 | 2 | 0.24 | <0.5 | 6 | 23 | 17 | 3.03 | 10 |
| CC10701 | | 0.18 | 0.3 | 0.50 | <2 | <10 | 20 | <0.5 | <2 | 0.06 | <0.5 | 2 | 5 | 4 | 0.93 | <10 |
| CC10702 | | 0.24 | 0.5 | 2.09 | 79 | <10 | 190 | 0.9 | <2 | 0.24 | 0.7 | 9 | 30 | 21 | 3.36 | 10 |
| CC10703 | | 0.22 | 1.3 | 2.04 | 80 | <10 | 150 | 1.0 | 4 | 0.23 | 0.9 | 8 | 29 | 23 | 3.43 | 10 |
| CC10704 | | 0.14 | 3.0 | 2.74 | 103 | <10 | 210 | 1.2 | <2 | 0.30 | 1.6 | 7 | 33 | 27 | 4.07 | 10 |
| CC10705 | | 0.28 | 0.3 | 1.48 | 46 | <10 | 120 | 0.8 | <2 | 0.28 | <0.5 | 8 | 24 | 17 | 2.78 | 10 |
| CC10706 | | 0.22 | <0.2 | 1.51 | 21 | <10 | 100 | 0.6 | 3 | 0.17 | 0.7 | 6 | 24 | 14 | 2.72 | 10 |
| CC10707 | | 0.26 | 0.2 | 2.19 | 22 | <10 | 160 | 1.1 | 2 | 0.20 | 0.5 | 9 | 35 | 18 | 3.70 | 10 |
| CC10708 | | 0.30 | 0.2 | 2.49 | 6 | <10 | 70 | 0.8 | <2 | 0.13 | <0.5 | 10 | 30 | 18 | 2.83 | 10 |
| CC10709 | | 0.22 | <0.2 | 2.46 | 16 | <10 | 130 | 1.0 | <2 | 0.18 | <0.5 | 8 | 31 | 18 | 3.26 | 10 |
| CC10710 | | 0.30 | <0.2 | 2.44 | 15 | <10 | 110 | 0.8 | 2 | 0.15 | 0.5 | 7 | 29 | 16 | 2.92 | 10 |
| CC10711 | | 0.24 | 0.2 | 1.27 | 11 | <10 | 60 | <0.5 | <2 | 0.09 | <0.5 | 3 | 15 | 9 | 2.25 | 10 |
| CC10712 | | 0.14 | 0.2 | 0.76 | 6 | <10 | 140 | <0.5 | 2 | 0.13 | 0.6 | 2 | 11 | 14 | 1.21 | <10 |
| CC10713 | | 0.24 | 0.3 | 1.35 | 19 | <10 | 90 | 0.8 | 2 | 0.14 | 0.6 | 8 | 21 | 11 | 2.16 | 10 |
| CC10714 | | 0.14 | <0.2 | 1.15 | 6 | <10 | 80 | <0.5 | <2 | 0.06 | <0.5 | 2 | 15 | 12 | 1.58 | 10 |
| CC10715 | | 0.14 | 0.2 | 1.19 | <2 | <10 | 90 | 1.0 | 2 | 0.13 | 0.6 | 3 | 13 | 19 | 1.86 | 10 |
| CC10716 | | 0.08 | 0.2 | 1.34 | 17 | <10 | 80 | 0.6 | 2 | 0.13 | 0.6 | 3 | 16 | 14 | 1.92 | 10 |
| CC10717 | | 0.30 | <0.2 | 2.01 | 9 | <10 | 100 | 1.3 | 2 | 0.15 | <0.5 | 8 | 28 | 14 | 2.75 | 10 |
| CC10718 | | 0.12 | 0.3 | 1.11 | 4 | <10 | 50 | 0.5 | <2 | 0.06 | <0.5 | 3 | 14 | 11 | 2.02 | 10 |
| CC10719 | | 0.26 | <0.2 | 1.59 | 33 | <10 | 120 | 1.1 | <2 | 0.19 | 0.5 | 8 | 25 | 16 | 3.24 | 10 |
| CC10720 | | 0.24 | <0.2 | 1.40 | 56 | <10 | 100 | 1.3 | <2 | 0.19 | <0.5 | 7 | 20 | 16 | 3.54 | 10 |
| CC10721 | | 0.22 | 0.2 | 2.17 | 45 | <10 | 180 | 1.2 | 2 | 0.29 | 0.6 | 8 | 34 | 22 | 3.71 | 10 |
| CC10722 | | 0.18 | 0.4 | 1.69 | 38 | <10 | 200 | 0.6 | 5 | 0.27 | 0.5 | 5 | 26 | 14 | 2.52 | 10 |
| CC10723 | | 0.24 | 1.1 | 1.97 | 42 | <10 | 160 | 0.8 | 6 | 0.16 | <0.5 | 7 | 26 | 19 | 2.90 | 10 |
| CC10724 | | 0.30 | 0.3 | 1.86 | 35 | <10 | 150 | 0.7 | 3 | 0.16 | <0.5 | 8 | 26 | 14 | 2.96 | 10 |
| CC10725 | | 0.28 | 0.2 | 1.27 | 15 | <10 | 90 | <0.5 | 3 | 0.18 | <0.5 | 6 | 20 | 12 | 1.80 | 10 |
| CC10726 | | 0.26 | 0.3 | 1.57 | 24 | <10 | 130 | 0.7 | 2 | 0.16 | <0.5 | 7 | 23 | 13 | 2.67 | 10 |
| CC10727 | | 0.38 | <0.2 | 1.69 | 25 | <10 | 120 | 0.5 | 4 | 0.24 | <0.5 | 6 | 25 | 11 | 2.77 | 10 |
| CC10728 | | 0.32 | 0.2 | 1.52 | 27 | <10 | 130 | 0.5 | 2 | 0.20 | <0.5 | 8 | 22 | 10 | 2.99 | 10 |
| CC10729 | | 0.36 | 0.2 | 1.84 | 21 | <10 | 190 | 0.6 | <2 | 0.35 | <0.5 | 9 | 33 | 26 | 3.17 | 10 |
| CC10730 | | 0.26 | 0.2 | 1.82 | 17 | <10 | 210 | 0.6 | 2 | 0.31 | 0.5 | 8 | 28 | 19 | 3.25 | 10 |
| CC10731 | | 0.42 | <0.2 | 1.71 | 12 | <10 | 150 | 0.5 | <2 | 0.24 | <0.5 | 6 | 25 | 14 | 2.42 | 10 |
| CC10732 | | 0.22 | <0.2 | 1.48 | 7 | <10 | 120 | <0.5 | 2 | 0.17 | <0.5 | 4 | 21 | 11 | 2.23 | 10 |
| CC10733 | | 0.26 | 0.2 | 1.75 | 12 | <10 | 130 | <0.5 | 2 | 0.24 | <0.5 | 6 | 25 | 13 | 2.75 | 10 |
| CC10734 | | 0.24 | <0.2 | 1.17 | 22 | <10 | 100 | <0.5 | 2 | 0.16 | <0.5 | 4 | 18 | 10 | 2.45 | 10 |
| CC10735 | | 0.26 | 0.2 | 1.79 | 13 | <10 | 210 | 0.7 | 3 | 0.27 | <0.5 | 6 | 26 | 18 | 2.60 | 10 |
| CC10736 | | 0.24 | 0.2 | 1.62 | 16 | <10 | 130 | 0.5 | <2 | 0.18 | <0.5 | 5 | 23 | 12 | 2.54 | 10 |
| CC10737 | | 0.14 | 0.2 | 0.59 | 3 | <10 | 70 | <0.5 | 2 | 0.10 | <0.5 | 2 | 8 | 7 | 0.90 | <10 |

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| 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 |
| CC10691 | | 1 | 0.13 | 30 | 0.44 | 395 | 2 | 0.01 | 15 | 590 | 17 | 0.01 | <2 | 4 | 17 | <20 |
| CC10692 | | <1 | 0.10 | 50 | 0.43 | 200 | 1 | 0.01 | 14 | 590 | 25 | 0.01 | <2 | 5 | 17 | 20 |
| CC10693 | | 1 | 0.10 | 40 | 0.41 | 194 | 1 | 0.01 | 13 | 670 | 19 | 0.01 | <2 | 5 | 19 | <20 |
| CC10701 | | <1 | 0.03 | <10 | 0.07 | 80 | 1 | 0.02 | 1 | 170 | 11 | <0.01 | <2 | 1 | 8 | <20 |
| CC10702 | | 1 | 0.14 | 40 | 0.52 | 545 | 2 | 0.01 | 17 | 540 | 147 | 0.01 | 6 | 5 | 22 | 20 |
| CC10703 | | <1 | 0.18 | 40 | 0.53 | 486 | 3 | 0.01 | 17 | 580 | 286 | 0.02 | 8 | 5 | 18 | 20 |
| CC10704 | | 1 | 0.20 | 50 | 0.69 | 337 | 3 | 0.01 | 19 | 530 | 431 | 0.02 | 6 | 6 | 27 | <20 |
| CC10705 | | <1 | 0.15 | 40 | 0.55 | 359 | 1 | <0.01 | 17 | 500 | 127 | <0.01 | 4 | 4 | 18 | 20 |
| CC10706 | | <1 | 0.07 | 20 | 0.39 | 276 | 2 | <0.01 | 17 | 390 | 52 | 0.01 | 3 | 3 | 13 | <20 |
| CC10707 | | 2 | 0.08 | 30 | 0.60 | 309 | 1 | <0.01 | 19 | 310 | 53 | <0.01 | <2 | 4 | 17 | 20 |
| CC10708 | | 1 | 0.07 | 20 | 0.45 | 358 | 1 | <0.01 | 20 | 370 | 33 | 0.01 | 4 | 4 | 11 | 20 |
| CC10709 | | 1 | 0.07 | 20 | 0.47 | 321 | 1 | 0.01 | 22 | 400 | 25 | 0.01 | <2 | 4 | 16 | 20 |
| CC10710 | | <1 | 0.06 | 20 | 0.39 | 312 | 1 | <0.01 | 19 | 330 | 19 | 0.01 | <2 | 4 | 14 | 20 |
| CC10711 | | <1 | 0.04 | 20 | 0.20 | 208 | 1 | <0.01 | 7 | 300 | 35 | 0.01 | <2 | 2 | 10 | <20 |
| CC10712 | | 1 | 0.03 | 10 | 0.07 | 76 | 1 | 0.01 | 6 | 480 | 23 | 0.04 | 3 | 1 | 17 | <20 |
| CC10713 | | 1 | 0.07 | 30 | 0.32 | 614 | 1 | <0.01 | 12 | 320 | 74 | 0.01 | 4 | 2 | 13 | 20 |
| CC10714 | | 1 | 0.03 | 10 | 0.05 | 62 | 1 | <0.01 | 4 | 370 | 26 | 0.02 | 4 | 1 | 12 | <20 |
| CC10715 | | 2 | 0.05 | 20 | 0.11 | 293 | 2 | 0.01 | 8 | 640 | 15 | 0.07 | <2 | 1 | 14 | <20 |
| CC10716 | | <1 | 0.05 | 40 | 0.17 | 109 | 2 | 0.01 | 11 | 520 | 26 | 0.04 | <2 | 1 | 14 | <20 |
| CC10717 | | 1 | 0.08 | 40 | 0.38 | 402 | 2 | <0.01 | 15 | 360 | 30 | 0.01 | 4 | 4 | 14 | 30 |
| CC10718 | | 2 | 0.05 | 60 | 0.19 | 121 | 1 | 0.01 | 5 | 430 | 15 | 0.03 | 2 | 2 | 8 | <20 |
| CC10719 | | 1 | 0.11 | 40 | 0.40 | 378 | 1 | 0.01 | 17 | 510 | 25 | 0.04 | 2 | 4 | 18 | <20 |
| CC10720 | | 1 | 0.14 | 70 | 0.34 | 342 | 3 | 0.01 | 12 | 550 | 31 | 0.06 | 5 | 4 | 21 | 20 |
| CC10721 | | 2 | 0.15 | 50 | 0.56 | 411 | 3 | 0.01 | 20 | 760 | 28 | 0.04 | 5 | 5 | 26 | <20 |
| CC10722 | | <1 | 0.08 | 40 | 0.40 | 172 | 2 | 0.01 | 13 | 660 | 88 | 0.05 | <2 | 3 | 26 | <20 |
| CC10723 | | <1 | 0.08 | 40 | 0.40 | 187 | 2 | 0.01 | 15 | 650 | 51 | 0.04 | 3 | 4 | 17 | <20 |
| CC10724 | | <1 | 0.09 | 30 | 0.41 | 354 | 2 | 0.01 | 15 | 620 | 31 | 0.03 | <2 | 3 | 16 | <20 |
| CC10725 | | 1 | 0.10 | 30 | 0.34 | 154 | 7 | 0.01 | 16 | 310 | 49 | 0.01 | 2 | 3 | 14 | <20 |
| CC10726 | | <1 | 0.11 | 50 | 0.35 | 343 | 4 | 0.01 | 13 | 630 | 28 | 0.03 | 2 | 3 | 17 | <20 |
| CC10727 | | 2 | 0.10 | 30 | 0.44 | 184 | 2 | 0.01 | 14 | 560 | 25 | 0.01 | <2 | 4 | 18 | <20 |
| CC10728 | | 1 | 0.14 | 30 | 0.39 | 323 | 3 | 0.01 | 12 | 550 | 25 | 0.01 | 3 | 4 | 17 | <20 |
| CC10729 | | 1 | 0.11 | 30 | 0.56 | 441 | 2 | 0.01 | 20 | 730 | 21 | 0.01 | <2 | 6 | 25 | <20 |
| CC10730 | | 2 | 0.10 | 30 | 0.46 | 289 | 1 | 0.01 | 18 | 730 | 24 | 0.01 | 2 | 5 | 27 | <20 |
| CC10731 | | 1 | 0.08 | 20 | 0.43 | 150 | 1 | 0.01 | 16 | 600 | 18 | 0.01 | 3 | 4 | 18 | <20 |
| CC10732 | | 1 | 0.07 | 20 | 0.35 | 124 | 1 | 0.01 | 13 | 630 | 16 | 0.02 | 2 | 2 | 16 | <20 |
| CC10733 | | <1 | 0.09 | 20 | 0.45 | 166 | 2 | 0.01 | 15 | 580 | 22 | <0.01 | 2 | 4 | 18 | <20 |
| CC10734 | | <1 | 0.09 | 20 | 0.28 | 136 | 2 | 0.01 | 10 | 600 | 15 | 0.03 | 2 | 2 | 15 | <20 |
| CC10735 | | 1 | 0.11 | 50 | 0.42 | 170 | 1 | 0.01 | 19 | 640 | 22 | 0.02 | 2 | 5 | 23 | <20 |
| CC10736 | | <1 | 0.11 | 40 | 0.38 | 228 | 2 | 0.01 | 12 | 560 | 19 | 0.03 | <2 | 4 | 18 | <20 |
| CC10737 | | <1 | 0.04 | 40 | 0.09 | 89 | 1 | 0.01 | 6 | 370 | 10 | 0.02 | <2 | 1 | 12 | <20 |

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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Finalized Date: 29-OCT-2007
Account: RCM

Project: CONNAUGHT - GRID A and GRID B

# CERTIFICATE OF ANALYSIS VA07109373

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC10691 | | 0.10 | <10 | <10 | 50 | <10 | 67 |
| CC10692 | | 0.09 | <10 | <10 | 46 | <10 | 61 |
| CC10693 | | 0.08 | <10 | <10 | 49 | <10 | 56 |
| CC10701 | | 0.05 | <10 | <10 | 20 | <10 | 14 |
| CC10702 | | 0.10 | <10 | <10 | 64 | <10 | 126 |
| CC10703 | | 0.10 | <10 | <10 | 62 | <10 | 141 |
| CC10704 | | 0.12 | <10 | <10 | 75 | <10 | 160 |
| CC10705 | | 0.11 | <10 | <10 | 51 | <10 | 78 |
| CC10706 | | 0.08 | <10 | <10 | 57 | <10 | 101 |
| CC10707 | | 0.10 | <10 | <10 | 75 | <10 | 66 |
| CC10708 | | 0.08 | <10 | <10 | 54 | <10 | 51 |
| CC10709 | | 0.08 | <10 | <10 | 60 | <10 | 55 |
| CC10710 | | 0.08 | <10 | <10 | 67 | <10 | 49 |
| CC10711 | | 0.06 | <10 | <10 | 47 | <10 | 45 |
| CC10712 | | 0.04 | <10 | <10 | 36 | <10 | 44 |
| CC10713 | | 0.06 | <10 | <10 | 40 | <10 | 75 |
| CC10714 | | 0.04 | <10 | <10 | 47 | <10 | 24 |
| CC10715 | | 0.03 | <10 | <10 | 38 | <10 | 45 |
| CC10716 | | 0.04 | <10 | <10 | 36 | <10 | 44 |
| CC10717 | | 0.07 | <10 | <10 | 48 | <10 | 58 |
| CC10718 | | 0.06 | <10 | <10 | 38 | <10 | 32 |
| CC10719 | | 0.08 | <10 | <10 | 52 | <10 | 67 |
| CC10720 | | 0.08 | <10 | <10 | 50 | <10 | 68 |
| CC10721 | | 0.10 | <10 | <10 | 66 | <10 | 95 |
| CC10722 | | 0.06 | <10 | <10 | 48 | <10 | 60 |
| CC10723 | | 0.06 | <10 | <10 | 49 | <10 | 60 |
| CC10724 | | 0.06 | <10 | <10 | 49 | <10 | 65 |
| CC10725 | | 0.09 | <10 | <10 | 34 | <10 | 59 |
| CC10726 | | 0.07 | <10 | <10 | 43 | <10 | 63 |
| CC10727 | | 0.09 | <10 | <10 | 49 | <10 | 65 |
| CC10728 | | 0.10 | <10 | <10 | 53 | <10 | 65 |
| CC10729 | | 0.12 | <10 | <10 | 60 | <10 | 77 |
| CC10730 | | 0.09 | <10 | <10 | 53 | <10 | 64 |
| CC10731 | | 0.08 | <10 | <10 | 48 | <10 | 59 |
| CC10732 | | 0.06 | <10 | <10 | 38 | <10 | 49 |
| CC10733 | | 0.09 | <10 | <10 | 49 | <10 | 62 |
| CC10734 | | 0.06 | <10 | <10 | 45 | <10 | 42 |
| CC10735 | | 0.09 | <10 | <10 | 53 | <10 | 61 |
| CC10736 | | 0.07 | <10 | <10 | 46 | <10 | 59 |
| CC10737 | | 0.03 | <10 | <10 | 17 | <10 | 21 |

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Finalized Date: 29-OCT-2007
Account: RCM

Project: CONNAUGHT - GRID A and GRID B

## CERTIFICATE OF ANALYSIS VA07109373

| 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 |
| CC10738 | | 0.22 | 0.2 | 1.07 | 24 | <10 | 100 | 0.6 | <2 | 0.13 | <0.5 | 3 | 16 | 13 | 1.85 | 10 |
| CC10739 | | 0.16 | 0.3 | 1.67 | 25 | <10 | 120 | 0.7 | 2 | 0.17 | <0.5 | 6 | 21 | 16 | 2.55 | 10 |
| CC10740 | | 0.26 | 0.2 | 1.78 | 30 | <10 | 110 | 0.5 | 2 | 0.19 | <0.5 | 7 | 26 | 12 | 2.90 | 10 |
| CC10741 | | 0.18 | 0.2 | 1.26 | 13 | <10 | 80 | 0.5 | <2 | 0.07 | <0.5 | 3 | 15 | 14 | 1.79 | 10 |
| CC10742 | | 0.18 | 0.3 | 1.38 | 51 | <10 | 90 | 0.7 | 4 | 0.16 | <0.5 | 5 | 21 | 17 | 2.89 | 10 |
| CC10743 | | 0.10 | 0.2 | 0.97 | 9 | <10 | 60 | <0.5 | 3 | 0.07 | <0.5 | 2 | 13 | 10 | 1.62 | 10 |
| CC10744 | | 0.14 | 0.3 | 0.86 | 7 | <10 | 80 | <0.5 | <2 | 0.09 | <0.5 | 3 | 12 | 11 | 1.62 | <10 |
| CC10745 | | 0.20 | <0.2 | 1.89 | 19 | <10 | 110 | 1.2 | <2 | 0.16 | <0.5 | 8 | 27 | 16 | 2.83 | 10 |
| CC10746 | | 0.18 | <0.2 | 1.15 | 15 | <10 | 50 | 0.5 | 3 | 0.11 | <0.5 | 3 | 15 | 8 | 2.21 | 10 |
| CC10747 | | 0.12 | <0.2 | 1.14 | 15 | <10 | 60 | 0.7 | <2 | 0.14 | <0.5 | 4 | 17 | 9 | 2.00 | <10 |
| CC10748 | | 0.20 | <0.2 | 1.18 | 14 | <10 | 60 | 0.5 | <2 | 0.12 | <0.5 | 4 | 17 | 9 | 2.31 | 10 |
| CC10749 | | 0.18 | <0.2 | 1.45 | 20 | <10 | 80 | 1.1 | <2 | 0.14 | <0.5 | 6 | 18 | 10 | 2.12 | <10 |
| CC10750 | | 0.18 | 0.2 | 1.55 | 14 | <10 | 120 | 0.8 | <2 | 0.18 | <0.5 | 7 | 24 | 11 | 2.21 | 10 |
| CC10758 | | 0.10 | 0.3 | 1.24 | 18 | <10 | 120 | <0.5 | 2 | 0.20 | <0.5 | 5 | 18 | 12 | 2.05 | 10 |
| CC10759 | | 0.22 | <0.2 | 1.28 | 18 | <10 | 110 | <0.5 | <2 | 0.21 | <0.5 | 4 | 18 | 9 | 2.08 | <10 |
| CC10760 | | 0.12 | 0.2 | 1.20 | 24 | <10 | 110 | <0.5 | <2 | 0.20 | <0.5 | 3 | 18 | 10 | 2.12 | 10 |
| CC10761 | | 0.24 | 0.3 | 1.29 | 56 | <10 | 90 | <0.5 | 2 | 0.18 | <0.5 | 4 | 18 | 10 | 2.21 | 10 |
| CC10762 | | 0.22 | 0.3 | 1.24 | 48 | <10 | 90 | <0.5 | <2 | 0.18 | <0.5 | 4 | 18 | 9 | 1.85 | 10 |
| CC10763 | | 0.16 | 0.6 | 1.32 | 44 | <10 | 100 | <0.5 | <2 | 0.17 | <0.5 | 4 | 20 | 12 | 2.01 | 10 |
| CC10764 | | 0.24 | 0.4 | 1.33 | 37 | <10 | 80 | <0.5 | <2 | 0.15 | 0.6 | 2 | 19 | 9 | 1.76 | 10 |
| CC10765 | | 0.18 | 0.8 | 1.33 | 48 | <10 | 80 | <0.5 | <2 | 0.16 | 0.5 | 3 | 20 | 10 | 1.76 | 10 |
| CC10766 | | 0.12 | 1.1 | 1.13 | 68 | <10 | 120 | <0.5 | 2 | 0.19 | 0.7 | 3 | 16 | 13 | 1.90 | 10 |
| CC10767 | | 0.10 | 1.8 | 0.89 | 40 | <10 | 60 | <0.5 | 2 | 0.08 | <0.5 | 3 | 12 | 11 | 1.19 | <10 |
| CC10768 | | 0.16 | 0.3 | 1.58 | 45 | <10 | 160 | 0.6 | 3 | 0.16 | <0.5 | 6 | 21 | 13 | 2.17 | 10 |
| CC10769 | | 0.14 | 0.3 | 1.94 | 40 | <10 | 170 | 0.8 | <2 | 0.21 | <0.5 | 6 | 26 | 15 | 2.77 | 10 |
| CC10770 | | 0.18 | <0.2 | 2.06 | 34 | <10 | 150 | 1.1 | <2 | 0.18 | <0.5 | 9 | 30 | 17 | 3.50 | 10 |
| CC10771 | | 0.18 | 0.2 | 1.75 | 14 | <10 | 90 | 0.8 | <2 | 0.15 | <0.5 | 8 | 25 | 13 | 2.84 | 10 |
| CC10772 | | 0.08 | 0.6 | 1.15 | 9 | <10 | 270 | 1.2 | 2 | 0.60 | <0.5 | 4 | 13 | 14 | 1.65 | <10 |
| CC10773 | | 0.20 | 0.2 | 1.79 | 29 | <10 | 100 | 1.4 | 2 | 0.19 | 0.5 | 8 | 27 | 15 | 2.79 | 10 |
| CC10774 | | 0.10 | 0.5 | 0.63 | 4 | <10 | 110 | <0.5 | <2 | 0.22 | 0.7 | 3 | 9 | 10 | 0.92 | <10 |
| CC10775 | | 0.26 | <0.2 | 2.11 | 10 | <10 | 110 | 1.6 | <2 | 0.12 | <0.5 | 7 | 23 | 12 | 2.88 | 10 |
| CC10776 | | 0.14 | 0.2 | 1.18 | 4 | <10 | 100 | 0.6 | <2 | 0.16 | <0.5 | 3 | 15 | 13 | 1.92 | <10 |
| CC10777 | | 0.22 | 0.2 | 1.68 | 13 | <10 | 110 | 1.1 | <2 | 0.16 | <0.5 | 6 | 23 | 14 | 2.77 | 10 |
| CC10778 | | 0.20 | <0.2 | 2.01 | 13 | <10 | 110 | 0.7 | <2 | 0.15 | <0.5 | 7 | 28 | 13 | 2.95 | 10 |
| CC10779 | | 0.18 | 0.2 | 2.06 | 26 | <10 | 120 | 1.8 | 5 | 0.19 | 0.5 | 7 | 30 | 19 | 3.22 | 10 |
| CC10780 | | 0.16 | <0.2 | 1.22 | 11 | <10 | 110 | 0.8 | 2 | 0.17 | 0.6 | 4 | 17 | 13 | 2.46 | 10 |
| CC10781 | | 0.30 | <0.2 | 1.96 | 18 | <10 | 110 | 0.8 | 3 | 0.23 | <0.5 | 9 | 27 | 17 | 3.25 | 10 |
| CC10782 | | 0.12 | <0.2 | 0.70 | <2 | <10 | 40 | <0.5 | 2 | 0.05 | <0.5 | 2 | 7 | 6 | 1.20 | 10 |
| CC10783 | | 0.20 | 0.2 | 2.12 | 26 | <10 | 120 | 0.7 | 2 | 0.22 | <0.5 | 6 | 26 | 17 | 3.66 | 10 |
| CC10784 | | 0.22 | <0.2 | 2.75 | 10 | <10 | 140 | 0.9 | <2 | 0.16 | 0.6 | 10 | 37 | 19 | 3.77 | 10 |

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Project: CONNAUGHT - GRID A and GRID B

# CERTIFICATE OF ANALYSIS VA07109373

| 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 |
| CC10738 | | 1 | 0.07 | 40 | 0.21 | 169 | 1 | 0.01 | 8 | 460 | 21 | 0.03 | <2 | 2 | 14 | <20 |
| CC10739 | | 1 | 0.08 | 40 | 0.30 | 347 | 2 | 0.01 | 12 | 590 | 30 | 0.03 | <2 | 3 | 18 | <20 |
| CC10740 | | 1 | 0.09 | 30 | 0.41 | 206 | 2 | <0.01 | 14 | 490 | 34 | 0.02 | <2 | 3 | 18 | <20 |
| CC10741 | | 1 | 0.04 | 30 | 0.17 | 99 | 1 | 0.01 | 7 | 450 | 19 | 0.02 | 3 | 1 | 11 | <20 |
| CC10742 | | 1 | 0.10 | 30 | 0.29 | 300 | 2 | 0.01 | 11 | 620 | 47 | 0.06 | 3 | 2 | 17 | <20 |
| CC10743 | | 1 | 0.05 | 10 | 0.12 | 92 | 1 | 0.01 | 7 | 590 | 16 | 0.04 | 2 | 1 | 10 | <20 |
| CC10744 | | <1 | 0.06 | 10 | 0.12 | 80 | 1 | 0.01 | 5 | 730 | 15 | 0.06 | <2 | 1 | 11 | <20 |
| CC10745 | | <1 | 0.09 | 40 | 0.40 | 399 | 1 | <0.01 | 17 | 370 | 25 | 0.01 | 2 | 4 | 14 | 20 |
| CC10746 | | <1 | 0.07 | 30 | 0.19 | 209 | 3 | <0.01 | 9 | 350 | 19 | 0.02 | 5 | 2 | 11 | <20 |
| CC10747 | | <1 | 0.10 | 40 | 0.26 | 185 | 1 | <0.01 | 11 | 410 | 18 | 0.01 | 3 | 2 | 12 | <20 |
| CC10748 | | <1 | 0.07 | 30 | 0.24 | 218 | 2 | <0.01 | 11 | 280 | 27 | 0.01 | <2 | 3 | 11 | 20 |
| CC10749 | | <1 | 0.06 | 30 | 0.27 | 445 | 2 | <0.01 | 12 | 380 | 46 | 0.02 | 3 | 2 | 12 | <20 |
| CC10750 | | 1 | 0.08 | 40 | 0.32 | 509 | 2 | 0.01 | 12 | 510 | 58 | 0.02 | 7 | 3 | 16 | <20 |
| CC10758 | | <1 | 0.06 | 30 | 0.30 | 198 | 2 | 0.01 | 12 | 610 | 39 | 0.03 | <2 | 2 | 18 | <20 |
| CC10759 | | <1 | 0.06 | 30 | 0.32 | 139 | 1 | 0.01 | 9 | 580 | 24 | 0.02 | <2 | 3 | 16 | <20 |
| CC10760 | | <1 | 0.05 | 30 | 0.29 | 118 | 1 | 0.01 | 12 | 660 | 41 | 0.04 | <2 | 2 | 17 | <20 |
| CC10761 | | 1 | 0.06 | 20 | 0.31 | 116 | 2 | <0.01 | 10 | 600 | 98 | 0.02 | 4 | 2 | 15 | <20 |
| CC10762 | | <1 | 0.06 | 20 | 0.30 | 113 | 1 | 0.01 | 9 | 550 | 100 | 0.02 | 5 | 2 | 16 | <20 |
| CC10763 | | <1 | 0.07 | 30 | 0.31 | 187 | 2 | 0.01 | 10 | 640 | 131 | 0.03 | 5 | 2 | 15 | <20 |
| CC10764 | | <1 | 0.06 | 30 | 0.28 | 102 | 1 | 0.01 | 6 | 520 | 152 | 0.02 | 10 | 2 | 15 | <20 |
| CC10765 | | <1 | 0.07 | 30 | 0.28 | 124 | 2 | 0.01 | 8 | 530 | 197 | 0.03 | 7 | 2 | 15 | <20 |
| CC10766 | | <1 | 0.06 | 40 | 0.21 | 148 | 2 | 0.01 | 8 | 810 | 342 | 0.05 | 2 | 2 | 17 | <20 |
| CC10767 | | <1 | 0.06 | 20 | 0.13 | 59 | 1 | 0.01 | 6 | 720 | 276 | 0.05 | 2 | 1 | 11 | <20 |
| CC10768 | | 1 | 0.07 | 40 | 0.30 | 221 | 2 | 0.01 | 11 | 650 | 30 | 0.04 | <2 | 3 | 16 | <20 |
| CC10769 | | <1 | 0.09 | 50 | 0.41 | 199 | 2 | 0.01 | 17 | 760 | 29 | 0.05 | <2 | 3 | 20 | <20 |
| CC10770 | | 1 | 0.14 | 50 | 0.45 | 466 | 2 | 0.01 | 19 | 710 | 34 | 0.05 | <2 | 4 | 17 | <20 |
| CC10771 | | 1 | 0.09 | 30 | 0.42 | 277 | 2 | <0.01 | 15 | 450 | 35 | 0.03 | <2 | 3 | 13 | <20 |
| CC10772 | | 2 | 0.07 | 130 | 0.17 | 129 | 2 | 0.01 | 10 | 1070 | 59 | 0.15 | <2 | 2 | 56 | <20 |
| CC10773 | | <1 | 0.11 | 60 | 0.40 | 403 | 2 | <0.01 | 18 | 520 | 41 | 0.04 | 6 | 4 | 15 | 20 |
| CC10774 | | 1 | 0.08 | 10 | 0.08 | 89 | 1 | 0.01 | 3 | 940 | 19 | 0.10 | <2 | <1 | 19 | <20 |
| CC10775 | | 1 | 0.15 | 40 | 0.36 | 233 | 1 | <0.01 | 15 | 290 | 17 | 0.01 | 2 | 4 | 11 | 20 |
| CC10776 | | <1 | 0.07 | 20 | 0.15 | 114 | 1 | 0.01 | 11 | 700 | 12 | 0.08 | <2 | 1 | 16 | <20 |
| CC10777 | | 1 | 0.15 | 30 | 0.36 | 406 | 2 | <0.01 | 14 | 480 | 32 | 0.03 | 3 | 3 | 15 | <20 |
| CC10778 | | <1 | 0.07 | 20 | 0.40 | 321 | 2 | <0.01 | 14 | 410 | 36 | 0.02 | 5 | 3 | 15 | <20 |
| CC10779 | | <1 | 0.16 | 90 | 0.48 | 508 | 2 | <0.01 | 18 | 490 | 80 | 0.01 | 4 | 5 | 15 | 30 |
| CC10780 | | <1 | 0.15 | 40 | 0.27 | 397 | 1 | <0.01 | 9 | 390 | 40 | 0.01 | 3 | 3 | 15 | <20 |
| CC10781 | | 2 | 0.10 | 30 | 0.46 | 299 | 1 | 0.01 | 21 | 440 | 23 | 0.02 | 3 | 3 | 17 | <20 |
| CC10782 | | <1 | 0.03 | 10 | 0.07 | 117 | 1 | 0.01 | 2 | 230 | 10 | 0.02 | <2 | 1 | 7 | <20 |
| CC10783 | | <1 | 0.11 | 10 | 0.43 | 281 | 2 | 0.01 | 16 | 430 | 17 | 0.05 | 3 | 4 | 19 | <20 |
| CC10784 | | <1 | 0.09 | 30 | 0.48 | 356 | 1 | 0.01 | 22 | 490 | 18 | 0.03 | <2 | 4 | 14 | <20 |

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


Finalized Date: 29-OCT-2007
Account: RCM

Project: CONNAUGHT - GRID A and GRID B

## CERTIFICATE OF ANALYSIS VA07109373

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC10738 | | 0.05 | <10 | <10 | 37 | <10 | 40 |
| CC10739 | | 0.05 | <10 | <10 | 45 | <10 | 51 |
| CC10740 | | 0.07 | <10 | <10 | 54 | <10 | 61 |
| CC10741 | | 0.04 | <10 | <10 | 34 | <10 | 32 |
| CC10742 | | 0.06 | <10 | <10 | 49 | <10 | 57 |
| CC10743 | | 0.04 | <10 | <10 | 37 | <10 | 31 |
| CC10744 | | 0.04 | <10 | <10 | 36 | <10 | 32 |
| CC10745 | | 0.07 | <10 | <10 | 54 | <10 | 53 |
| CC10746 | | 0.07 | <10 | <10 | 50 | <10 | 44 |
| CC10747 | | 0.06 | <10 | <10 | 36 | <10 | 48 |
| CC10748 | | 0.08 | <10 | <10 | 48 | <10 | 56 |
| CC10749 | | 0.04 | <10 | <10 | 35 | <10 | 69 |
| CC10750 | | 0.06 | <10 | <10 | 46 | <10 | 72 |
| CC10758 | | 0.06 | <10 | <10 | 36 | <10 | 50 |
| CC10759 | | 0.06 | <10 | <10 | 38 | <10 | 51 |
| CC10760 | | 0.05 | <10 | <10 | 34 | <10 | 46 |
| CC10761 | | 0.06 | <10 | <10 | 37 | <10 | 57 |
| CC10762 | | 0.05 | <10 | <10 | 31 | <10 | 57 |
| CC10763 | | 0.05 | <10 | <10 | 33 | <10 | 70 |
| CC10764 | | 0.05 | <10 | <10 | 35 | <10 | 70 |
| CC10765 | | 0.05 | <10 | <10 | 32 | <10 | 88 |
| CC10766 | | 0.04 | <10 | <10 | 28 | <10 | 88 |
| CC10767 | | 0.03 | <10 | <10 | 19 | <10 | 38 |
| CC10768 | | 0.04 | <10 | <10 | 40 | <10 | 53 |
| CC10769 | | 0.06 | <10 | <10 | 50 | <10 | 64 |
| CC10770 | | 0.08 | <10 | <10 | 59 | <10 | 77 |
| CC10771 | | 0.07 | <10 | <10 | 50 | <10 | 65 |
| CC10772 | | 0.04 | <10 | <10 | 23 | <10 | 35 |
| CC10773 | | 0.07 | <10 | <10 | 49 | <10 | 75 |
| CC10774 | | 0.02 | <10 | <10 | 19 | <10 | 33 |
| CC10775 | | 0.07 | <10 | <10 | 50 | <10 | 47 |
| CC10776 | | 0.05 | <10 | <10 | 38 | <10 | 29 |
| CC10777 | | 0.08 | <10 | <10 | 60 | <10 | 54 |
| CC10778 | | 0.08 | <10 | <10 | 60 | <10 | 64 |
| CC10779 | | 0.09 | <10 | <10 | 60 | <10 | 103 |
| CC10780 | | 0.09 | <10 | <10 | 48 | <10 | 70 |
| CC10781 | | 0.09 | <10 | <10 | 59 | <10 | 58 |
| CC10782 | | 0.05 | <10 | <10 | 33 | <10 | 21 |
| CC10783 | | 0.08 | <10 | <10 | 69 | <10 | 66 |
| CC10784 | | 0.11 | <10 | <10 | 78 | <10 | 60 |

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Project: CONNAUGHT - GRID A and GRID B



# CERTIFICATE OF ANALYSIS VA07109373

| 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 |
| CC10785 | | 0.14 | 0.2 | 0.98 | 6 | <10 | 60 | <0.5 | 2 | 0.06 | 0.6 | 3 | 12 | 8 | 1.64 | 10 |
| CC10786 | | 0.14 | 1.1 | 1.08 | 15 | <10 | 130 | 0.5 | <2 | 0.14 | 0.8 | 3 | 14 | 12 | 1.53 | <10 |
| CC10787 | | 0.10 | 0.9 | 0.28 | <2 | <10 | 50 | <0.5 | <2 | 0.09 | <0.5 | 2 | 5 | 4 | 0.47 | <10 |
| CC10788 | | 0.36 | 0.2 | 1.67 | 15 | <10 | 140 | <0.5 | <2 | 0.22 | <0.5 | 6 | 25 | 13 | 2.52 | 10 |
| CC10789 | | 0.06 | 0.6 | 0.77 | 15 | <10 | 170 | <0.5 | 2 | 0.31 | <0.5 | 4 | 10 | 16 | 2.36 | <10 |
| CC10790 | | 0.12 | 0.3 | 1.05 | 9 | <10 | 170 | <0.5 | <2 | 0.28 | <0.5 | 6 | 13 | 13 | 1.70 | <10 |
| CC10791 | | 0.10 | 0.3 | 1.03 | 11 | <10 | 140 | <0.5 | 2 | 0.26 | <0.5 | 5 | 15 | 13 | 1.87 | <10 |
| CC10792 | | 0.20 | <0.2 | 1.38 | 15 | <10 | 100 | <0.5 | <2 | 0.20 | <0.5 | 3 | 20 | 8 | 1.96 | 10 |
| CC10793 | | 0.16 | 0.2 | 1.14 | 17 | <10 | 100 | <0.5 | <2 | 0.19 | <0.5 | 3 | 17 | 10 | 1.61 | 10 |
| CC10794 | | 0.24 | 0.2 | 1.13 | 19 | <10 | 100 | <0.5 | <2 | 0.17 | <0.5 | 3 | 16 | 9 | 1.66 | <10 |
| CC10795 | | 0.22 | 0.2 | 1.10 | 21 | <10 | 120 | <0.5 | 2 | 0.20 | <0.5 | 3 | 15 | 10 | 1.53 | 10 |
| CC10796 | | 0.22 | 0.2 | 2.06 | 32 | <10 | 130 | 0.5 | 3 | 0.18 | 0.6 | 8 | 29 | 14 | 3.35 | 10 |
| CC10797 | | 0.14 | 0.2 | 0.89 | 59 | <10 | 80 | <0.5 | <2 | 0.16 | <0.5 | 3 | 12 | 10 | 1.55 | 10 |
| CC10798 | | 0.16 | 0.2 | 1.31 | 19 | <10 | 130 | 0.5 | <2 | 0.21 | <0.5 | 4 | 18 | 9 | 2.02 | 10 |
| CC10799 | | 0.12 | 0.2 | 1.64 | 15 | <10 | 120 | 0.6 | 2 | 0.16 | <0.5 | 6 | 24 | 11 | 2.36 | 10 |
| CC10800 | | 0.18 | 0.2 | 2.38 | 20 | <10 | 190 | 1.0 | <2 | 0.14 | <0.5 | 8 | 34 | 19 | 3.34 | 10 |
| CC10801 | | 0.12 | 0.2 | 0.73 | <2 | <10 | 40 | <0.5 | <2 | 0.06 | <0.5 | 1 | 9 | 6 | 1.11 | <10 |
| CC10802 | | 0.08 | 0.2 | 0.59 | 3 | <10 | 130 | <0.5 | <2 | 0.22 | 0.7 | 3 | 9 | 9 | 1.07 | <10 |
| CC10803 | | 0.10 | 0.4 | 0.32 | <2 | <10 | 120 | <0.5 | 2 | 0.24 | 0.5 | 2 | 4 | 8 | 0.47 | <10 |
| CC10804 | | 0.20 | <0.2 | 0.89 | 14 | <10 | 40 | 0.8 | <2 | 0.09 | <0.5 | 5 | 15 | 13 | 1.93 | 10 |
| CC10805 | | 0.24 | <0.2 | 1.14 | 18 | <10 | 50 | 0.5 | <2 | 0.08 | <0.5 | 3 | 15 | 10 | 2.31 | 10 |
| CC10806 | | 0.24 | <0.2 | 2.35 | 20 | <10 | 110 | 1.3 | <2 | 0.13 | <0.5 | 9 | 26 | 19 | 2.85 | 10 |
| CC10807 | | 0.28 | <0.2 | 1.36 | 11 | <10 | 110 | 0.5 | <2 | 0.11 | <0.5 | 5 | 17 | 14 | 2.27 | 10 |
| CC10808 | | 0.22 | <0.2 | 1.71 | 16 | <10 | 60 | 0.5 | <2 | 0.08 | <0.5 | 6 | 21 | 11 | 2.68 | 10 |
| CC10809 | | 0.16 | 0.2 | 1.25 | 18 | <10 | 80 | <0.5 | 2 | 0.10 | <0.5 | 5 | 20 | 10 | 2.25 | 10 |
| CC10810 | | 0.24 | <0.2 | 2.51 | 18 | <10 | 100 | 0.9 | <2 | 0.14 | <0.5 | 8 | 29 | 16 | 3.15 | 10 |
| CC10811 | | 0.08 | <0.2 | 2.65 | 17 | <10 | 130 | 0.7 | 2 | 0.14 | <0.5 | 7 | 35 | 17 | 3.67 | 10 |
| CC10812 | | 0.18 | <0.2 | 0.93 | 17 | <10 | 70 | <0.5 | 2 | 0.18 | <0.5 | 3 | 15 | 10 | 2.47 | 10 |
| CC10813 | | 0.26 | <0.2 | 2.66 | 23 | <10 | 170 | 1.5 | 2 | 0.18 | <0.5 | 10 | 33 | 22 | 3.46 | 10 |
| CC10814 | | 0.12 | <0.2 | 0.37 | 2 | <10 | 30 | <0.5 | <2 | 0.05 | <0.5 | 3 | 4 | 4 | 0.97 | <10 |
| CC10815 | | 0.22 | <0.2 | 2.97 | 18 | <10 | 150 | 1.0 | 2 | 0.19 | <0.5 | 10 | 31 | 20 | 3.51 | 10 |
| CC10816 | | 0.12 | 0.2 | 1.08 | 26 | <10 | 80 | 0.5 | <2 | 0.13 | 0.6 | 3 | 22 | 14 | 2.11 | 10 |
| CC10817 | | 0.18 | 0.3 | 2.30 | 55 | <10 | 230 | 1.3 | <2 | 0.30 | 0.7 | 9 | 35 | 24 | 3.34 | 10 |
| CC10818 | | 0.10 | 1.6 | 1.22 | 32 | <10 | 130 | <0.5 | <2 | 0.21 | 1.4 | 4 | 20 | 13 | 1.91 | 10 |
| CC10819 | | 0.16 | 0.6 | 0.12 | <2 | <10 | 20 | <0.5 | <2 | 0.04 | <0.5 | <1 | 1 | 1 | 0.24 | <10 |
| CC10820 | | 0.08 | 0.3 | 0.94 | 24 | <10 | 150 | <0.5 | 2 | 0.19 | <0.5 | 3 | 14 | 12 | 2.76 | <10 |
| CC10821 | | 0.06 | <0.2 | 1.15 | 8 | <10 | 110 | <0.5 | 2 | 0.13 | <0.5 | 3 | 17 | 9 | 1.26 | 10 |
| CC10822 | | 0.14 | 0.3 | 1.16 | 16 | <10 | 180 | 0.5 | <2 | 0.21 | <0.5 | 18 | 19 | 13 | 2.52 | <10 |
| CC10823 | | 0.26 | <0.2 | 0.91 | 14 | <10 | 80 | <0.5 | 2 | 0.13 | <0.5 | 4 | 14 | 7 | 1.66 | <10 |
| CC10824 | | 0.18 | 0.4 | 1.05 | 23 | <10 | 110 | <0.5 | 2 | 0.18 | <0.5 | 4 | 16 | 9 | 1.77 | <10 |

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| 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 |
| CC10785 | | <1 | 0.06 | 10 | 0.15 | 197 | 1 | 0.01 | 6 | 240 | 18 | 0.01 | 4 | 2 | 8 | <20 |
| CC10786 | | 1 | 0.07 | 50 | 0.20 | 124 | 2 | 0.01 | 7 | 530 | 67 | 0.04 | <2 | 1 | 17 | <20 |
| CC10787 | | <1 | 0.03 | 10 | 0.03 | 26 | <1 | 0.02 | 2 | 370 | 33 | 0.02 | <2 | <1 | 13 | <20 |
| CC10788 | | <1 | 0.08 | 20 | 0.42 | 150 | 1 | 0.01 | 14 | 640 | 23 | 0.01 | <2 | 3 | 17 | <20 |
| CC10789 | | 1 | 0.03 | 40 | 0.09 | 188 | 2 | 0.01 | 8 | 1530 | 45 | 0.15 | 3 | 1 | 28 | <20 |
| CC10790 | | <1 | 0.05 | 40 | 0.21 | 202 | 1 | 0.01 | 9 | 940 | 29 | 0.10 | <2 | 2 | 25 | <20 |
| CC10791 | | 1 | 0.05 | 40 | 0.21 | 129 | 2 | 0.01 | 8 | 950 | 21 | 0.10 | <2 | 2 | 22 | <20 |
| CC10792 | | <1 | 0.06 | 30 | 0.35 | 118 | 1 | 0.01 | 10 | 550 | 25 | 0.03 | 2 | 3 | 17 | <20 |
| CC10793 | | <1 | 0.05 | 30 | 0.27 | 103 | 1 | 0.01 | 9 | 550 | 37 | 0.05 | <2 | 2 | 16 | <20 |
| CC10794 | | <1 | 0.06 | 30 | 0.25 | 90 | 1 | 0.01 | 7 | 570 | 28 | 0.03 | <2 | 2 | 16 | <20 |
| CC10795 | | <1 | 0.05 | 30 | 0.22 | 98 | 1 | 0.01 | 9 | 580 | 48 | 0.05 | <2 | 2 | 20 | <20 |
| CC10796 | | <1 | 0.11 | 20 | 0.47 | 965 | 2 | 0.01 | 15 | 530 | 77 | 0.02 | <2 | 4 | 15 | <20 |
| CC10797 | | 1 | 0.07 | 30 | 0.19 | 93 | 1 | 0.01 | 7 | 580 | 114 | 0.03 | 5 | 2 | 15 | <20 |
| CC10798 | | 1 | 0.06 | 30 | 0.29 | 165 | 2 | 0.01 | 9 | 600 | 25 | 0.03 | 3 | 2 | 20 | <20 |
| CC10799 | | <1 | 0.07 | 30 | 0.37 | 179 | 1 | 0.01 | 13 | 550 | 24 | 0.04 | 3 | 3 | 15 | <20 |
| CC10800 | | 1 | 0.09 | 60 | 0.48 | 310 | 2 | 0.01 | 21 | 770 | 24 | 0.05 | <2 | 5 | 17 | <20 |
| CC10801 | | <1 | 0.03 | 20 | 0.03 | 46 | 1 | 0.01 | 3 | 750 | 11 | 0.07 | 2 | 1 | 9 | <20 |
| CC10802 | | 1 | 0.07 | 20 | 0.09 | 85 | 1 | 0.01 | 7 | 910 | 14 | 0.12 | <2 | <1 | 20 | <20 |
| CC10803 | | <1 | 0.07 | 10 | 0.05 | 59 | <1 | 0.01 | 4 | 1320 | 9 | 0.14 | <2 | 1 | 21 | <20 |
| CC10804 | | <1 | 0.07 | 40 | 0.15 | 145 | 4 | <0.01 | 10 | 470 | 27 | 0.03 | <2 | 1 | 10 | <20 |
| CC10805 | | 1 | 0.06 | 20 | 0.18 | 237 | 2 | <0.01 | 9 | 280 | 23 | 0.01 | 2 | 2 | 7 | <20 |
| CC10806 | | 1 | 0.07 | 30 | 0.34 | 331 | 1 | <0.01 | 21 | 350 | 29 | 0.02 | 2 | 3 | 12 | 30 |
| CC10807 | | <1 | 0.05 | 10 | 0.20 | 293 | 1 | 0.01 | 10 | 300 | 19 | 0.02 | <2 | 2 | 11 | <20 |
| CC10808 | | <1 | 0.05 | 10 | 0.23 | 253 | 1 | <0.01 | 13 | 320 | 28 | 0.01 | <2 | 2 | 8 | <20 |
| CC10809 | | <1 | 0.05 | 10 | 0.23 | 201 | 1 | <0.01 | 11 | 350 | 22 | 0.03 | 3 | 2 | 11 | <20 |
| CC10810 | | <1 | 0.08 | 10 | 0.38 | 395 | 1 | <0.01 | 20 | 420 | 28 | 0.03 | 2 | 3 | 13 | <20 |
| CC10811 | | <1 | 0.06 | 10 | 0.40 | 269 | 1 | <0.01 | 19 | 390 | 20 | 0.03 | 4 | 4 | 13 | <20 |
| CC10812 | | <1 | 0.08 | 10 | 0.18 | 215 | 1 | <0.01 | 9 | 390 | 15 | 0.03 | <2 | 2 | 15 | <20 |
| CC10813 | | <1 | 0.14 | 40 | 0.51 | 455 | 1 | <0.01 | 25 | 410 | 29 | 0.02 | 5 | 5 | 15 | 30 |
| CC10814 | | <1 | 0.03 | <10 | 0.06 | 67 | <1 | 0.01 | 3 | 140 | 4 | <0.01 | <2 | 1 | 7 | <20 |
| CC10815 | | 1 | 0.10 | 20 | 0.45 | 370 | 2 | 0.01 | 22 | 480 | 23 | 0.01 | 2 | 4 | 16 | <20 |
| CC10816 | | <1 | 0.11 | 20 | 0.23 | 201 | 3 | 0.01 | 15 | 490 | 33 | 0.03 | 2 | 2 | 10 | <20 |
| CC10817 | | <1 | 0.15 | 60 | 0.54 | 528 | 3 | 0.01 | 24 | 630 | 87 | 0.03 | 4 | 5 | 27 | <20 |
| CC10818 | | <1 | 0.09 | 30 | 0.28 | 137 | 2 | 0.01 | 14 | 840 | 101 | 0.05 | 3 | 2 | 22 | <20 |
| CC10819 | | <1 | 0.02 | 10 | 0.01 | 16 | <1 | 0.02 | 2 | 220 | 6 | 0.01 | <2 | <1 | 7 | <20 |
| CC10820 | | <1 | 0.03 | 40 | 0.14 | 198 | 3 | <0.01 | 9 | 1250 | 13 | 0.10 | <2 | 1 | 21 | <20 |
| CC10821 | | <1 | 0.05 | 20 | 0.24 | 80 | <1 | 0.01 | 9 | 440 | 15 | 0.03 | <2 | 2 | 14 | <20 |
| CC10822 | | <1 | 0.05 | 30 | 0.24 | 1135 | 2 | 0.01 | 11 | 950 | 20 | 0.07 | <2 | 2 | 20 | <20 |
| CC10823 | | <1 | 0.05 | 10 | 0.24 | 88 | 1 | <0.01 | 7 | 470 | 15 | 0.02 | <2 | 1 | 11 | <20 |
| CC10824 | | <1 | 0.06 | 30 | 0.23 | 121 | 1 | 0.01 | 9 | 810 | 36 | 0.06 | <2 | 2 | 17 | <20 |

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| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC10785 | | 0.06 | <10 | <10 | 41 | <10 | 28 |
| CC10786 | | 0.04 | <10 | <10 | 31 | <10 | 47 |
| CC10787 | | 0.02 | <10 | <10 | 12 | <10 | 16 |
| CC10788 | | 0.08 | <10 | <10 | 51 | <10 | 62 |
| CC10789 | | 0.02 | <10 | <10 | 17 | <10 | 24 |
| CC10790 | | 0.04 | <10 | <10 | 18 | <10 | 41 |
| CC10791 | | 0.04 | <10 | <10 | 26 | <10 | 39 |
| CC10792 | | 0.06 | <10 | <10 | 38 | <10 | 48 |
| CC10793 | | 0.05 | <10 | <10 | 24 | <10 | 44 |
| CC10794 | | 0.04 | <10 | <10 | 25 | <10 | 42 |
| CC10795 | | 0.04 | <10 | <10 | 21 | 30 | 39 |
| CC10796 | | 0.08 | <10 | <10 | 72 | <10 | 107 |
| CC10797 | | 0.04 | <10 | <10 | 24 | <10 | 46 |
| CC10798 | | 0.06 | <10 | <10 | 41 | <10 | 51 |
| CC10799 | | 0.07 | <10 | <10 | 50 | <10 | 53 |
| CC10800 | | 0.07 | <10 | <10 | 65 | <10 | 69 |
| CC10801 | | 0.03 | <10 | <10 | 22 | <10 | 14 |
| CC10802 | | 0.03 | <10 | <10 | 22 | <10 | 35 |
| CC10803 | | 0.02 | <10 | <10 | 9 | <10 | 30 |
| CC10804 | | 0.04 | <10 | <10 | 38 | <10 | 43 |
| CC10805 | | 0.06 | <10 | <10 | 50 | <10 | 49 |
| CC10806 | | 0.05 | <10 | <10 | 49 | <10 | 67 |
| CC10807 | | 0.05 | <10 | <10 | 52 | <10 | 49 |
| CC10808 | | 0.07 | <10 | <10 | 63 | <10 | 43 |
| CC10809 | | 0.06 | <10 | <10 | 52 | <10 | 44 |
| CC10810 | | 0.08 | <10 | <10 | 67 | <10 | 57 |
| CC10811 | | 0.10 | <10 | <10 | 78 | <10 | 53 |
| CC10812 | | 0.09 | <10 | <10 | 69 | <10 | 38 |
| CC10813 | | 0.09 | <10 | <10 | 67 | <10 | 73 |
| CC10814 | | 0.05 | <10 | <10 | 26 | <10 | 16 |
| CC10815 | | 0.09 | <10 | <10 | 68 | <10 | 77 |
| CC10816 | | 0.06 | <10 | <10 | 42 | <10 | 57 |
| CC10817 | | 0.08 | <10 | <10 | 66 | <10 | 130 |
| CC10818 | | 0.05 | <10 | <10 | 40 | <10 | 69 |
| CC10819 | | 0.01 | <10 | <10 | 7 | <10 | 6 |
| CC10820 | | 0.03 | <10 | <10 | 33 | <10 | 29 |
| CC10821 | | 0.04 | <10 | <10 | 23 | <10 | 38 |
| CC10822 | | 0.04 | <10 | <10 | 34 | <10 | 42 |
| CC10823 | | 0.05 | <10 | <10 | 29 | <10 | 35 |
| CC10824 | | 0.04 | <10 | <10 | 24 | <10 | 40 |

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| 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 |
| CC10825 | | 0.16 | 0.5 | 1.13 | 24 | <10 | 110 | <0.5 | 4 | 0.18 | <0.5 | 3 | 22 | 9 | 1.85 | 10 |
| CC10826 | | 0.14 | 0.3 | 1.16 | 15 | <10 | 110 | <0.5 | <2 | 0.17 | <0.5 | 3 | 21 | 9 | 1.41 | 10 |
| CC10827 | | 0.16 | 0.2 | 1.28 | 21 | <10 | 100 | <0.5 | 2 | 0.18 | <0.5 | 3 | 21 | 10 | 1.62 | 10 |
| CC10828 | | 0.14 | 0.4 | 1.33 | 26 | <10 | 110 | <0.5 | 2 | 0.16 | <0.5 | 4 | 19 | 11 | 1.81 | 10 |
| CC10829 | | 0.06 | <0.2 | 0.88 | 10 | <10 | 230 | 0.5 | 2 | 0.38 | 0.6 | 3 | 10 | 13 | 1.04 | <10 |
| CC10830 | | 0.12 | 0.2 | 0.88 | 22 | <10 | 120 | 0.7 | <2 | 0.17 | 0.7 | 3 | 26 | 13 | 1.41 | <10 |
| CC10831 | | 0.16 | <0.2 | 0.89 | 76 | <10 | 100 | 0.8 | <2 | 0.18 | <0.5 | 4 | 28 | 10 | 1.77 | <10 |
| CC10832 | | 0.12 | 0.3 | 1.48 | 19 | <10 | 200 | 1.3 | <2 | 0.36 | <0.5 | 4 | 24 | 20 | 2.12 | <10 |
| CC10833 | | 0.22 | <0.2 | 1.10 | 24 | <10 | 90 | 1.0 | <2 | 0.15 | <0.5 | 6 | 21 | 14 | 1.97 | <10 |
| CC10834 | | 0.22 | <0.2 | 1.44 | 31 | <10 | 90 | 1.6 | <2 | 0.27 | <0.5 | 7 | 21 | 15 | 2.97 | 10 |
| CC10835 | | 0.14 | 0.4 | 1.32 | 167 | <10 | 70 | 0.6 | <2 | 0.09 | <0.5 | 5 | 16 | 14 | 2.07 | 10 |
| CC10836 | | 0.18 | <0.2 | 1.90 | 16 | <10 | 110 | 0.9 | <2 | 0.11 | <0.5 | 7 | 28 | 17 | 2.83 | 10 |
| CC10837 | | 0.16 | <0.2 | 1.08 | 14 | <10 | 70 | 0.6 | <2 | 0.12 | <0.5 | 3 | 13 | 9 | 1.96 | <10 |
| CC10838 | | 0.18 | <0.2 | 1.03 | 15 | <10 | 40 | 0.5 | 2 | 0.05 | <0.5 | 2 | 12 | 11 | 1.99 | 10 |
| CC10839 | | 0.28 | <0.2 | 0.58 | 38 | <10 | 40 | 0.8 | <2 | 0.05 | <0.5 | 1 | 5 | 6 | 0.94 | <10 |
| CC10840 | | 0.08 | <0.2 | 3.04 | 17 | <10 | 70 | 0.8 | 2 | 0.11 | <0.5 | 7 | 33 | 15 | 3.25 | 10 |
| CC10841 | | 0.16 | <0.2 | 1.04 | 20 | <10 | 60 | 0.7 | <2 | 0.15 | 0.8 | 4 | 21 | 9 | 1.80 | 10 |
| CC10842 | | 0.26 | <0.2 | 1.55 | 15 | <10 | 70 | 0.8 | 2 | 0.11 | <0.5 | 6 | 18 | 11 | 2.12 | 10 |
| CC10843 | | 0.18 | <0.2 | 2.60 | 13 | <10 | 80 | 1.6 | 2 | 0.13 | <0.5 | 8 | 32 | 15 | 3.82 | 10 |
| CC10844 | | 0.28 | <0.2 | 2.19 | 15 | <10 | 100 | 0.8 | <2 | 0.13 | <0.5 | 8 | 30 | 17 | 3.09 | 10 |
| CC10845 | | 0.14 | <0.2 | 0.26 | 2 | <10 | 20 | <0.5 | <2 | 0.06 | <0.5 | 1 | 2 | 2 | 0.63 | <10 |
| CC10846 | | 0.22 | 0.2 | 2.47 | 28 | <10 | 190 | 1.3 | <2 | 0.22 | 0.5 | 8 | 33 | 24 | 3.34 | 10 |
| CC10847 | | 0.08 | 1.1 | 2.36 | 68 | <10 | 240 | 1.7 | <2 | 0.40 | 1.5 | 7 | 32 | 30 | 3.23 | 10 |
| CC10848 | | 0.10 | 1.2 | 1.62 | 63 | <10 | 150 | 0.7 | <2 | 0.21 | 1.1 | 6 | 25 | 19 | 2.47 | 10 |
| CC10849 | | 0.20 | 0.5 | 1.66 | 58 | <10 | 110 | 0.8 | 2 | 0.22 | 0.8 | 8 | 25 | 18 | 2.76 | 10 |
| CC10850 | | 0.22 | 0.2 | 1.25 | 76 | <10 | 60 | 0.5 | 2 | 0.12 | 0.5 | 6 | 20 | 13 | 2.56 | 10 |

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Project: CONNAUGHT - GRID A and GRID B

# CERTIFICATE OF ANALYSIS VA07109373

| 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 |
| CC10825 | | 1 | 0.06 | 30 | 0.25 | 121 | 2 | 0.01 | 13 | 720 | 43 | 0.06 | <2 | 2 | 17 | <20 |
| CC10826 | | <1 | 0.07 | 30 | 0.24 | 101 | 1 | 0.01 | 10 | 660 | 40 | 0.06 | <2 | 2 | 15 | <20 |
| CC10827 | | <1 | 0.07 | 30 | 0.26 | 105 | 1 | 0.01 | 12 | 660 | 53 | 0.05 | <2 | 2 | 17 | <20 |
| CC10828 | | <1 | 0.07 | 30 | 0.29 | 108 | 2 | 0.01 | 10 | 580 | 86 | 0.04 | 3 | 2 | 16 | <20 |
| CC10829 | | 1 | 0.04 | 70 | 0.11 | 92 | 1 | 0.01 | 11 | 1020 | 20 | 0.13 | 2 | 2 | 35 | <20 |
| CC10830 | | <1 | 0.06 | 40 | 0.11 | 155 | 3 | 0.01 | 17 | 900 | 25 | 0.09 | 2 | 1 | 16 | <20 |
| CC10831 | | <1 | 0.08 | 30 | 0.19 | 294 | 4 | <0.01 | 19 | 460 | 24 | 0.01 | 2 | 2 | 13 | <20 |
| CC10832 | | <1 | 0.07 | 130 | 0.25 | 128 | 2 | <0.01 | 17 | 950 | 36 | 0.12 | 2 | 2 | 33 | <20 |
| CC10833 | | <1 | 0.07 | 40 | 0.25 | 297 | 2 | <0.01 | 12 | 350 | 56 | 0.01 | 2 | 3 | 11 | 20 |
| CC10834 | | <1 | 0.16 | 90 | 0.38 | 347 | 2 | <0.01 | 15 | 680 | 22 | <0.01 | <2 | 4 | 18 | 30 |
| CC10835 | | <1 | 0.06 | 10 | 0.19 | 302 | 2 | 0.01 | 10 | 470 | 93 | 0.04 | <2 | 1 | 10 | <20 |
| CC10836 | | <1 | 0.07 | 20 | 0.31 | 356 | 2 | <0.01 | 21 | 450 | 19 | 0.04 | 3 | 3 | 11 | <20 |
| CC10837 | | <1 | 0.05 | 10 | 0.16 | 269 | 1 | <0.01 | 7 | 340 | 19 | 0.02 | 2 | 1 | 11 | <20 |
| CC10838 | | <1 | 0.04 | 10 | 0.08 | 154 | 1 | <0.01 | 6 | 240 | 24 | 0.01 | <2 | 1 | 6 | <20 |
| CC10839 | | <1 | 0.06 | 70 | 0.07 | 162 | 1 | <0.01 | 3 | 160 | 21 | <0.01 | 6 | 1 | 6 | 50 |
| CC10840 | | <1 | 0.05 | 10 | 0.36 | 178 | 1 | <0.01 | 16 | 330 | 29 | 0.04 | <2 | 4 | 10 | <20 |
| CC10841 | | <1 | 0.08 | 30 | 0.20 | 219 | 2 | 0.01 | 13 | 450 | 38 | 0.03 | 4 | 1 | 16 | <20 |
| CC10842 | | <1 | 0.06 | 30 | 0.24 | 243 | 1 | <0.01 | 10 | 290 | 22 | 0.02 | 3 | 3 | 9 | 20 |
| CC10843 | | <1 | 0.22 | 20 | 0.54 | 328 | 1 | 0.01 | 21 | 380 | 22 | 0.02 | 4 | 5 | 10 | 20 |
| CC10844 | | <1 | 0.09 | 20 | 0.44 | 340 | 1 | 0.01 | 19 | 280 | 17 | 0.02 | 4 | 4 | 12 | <20 |
| CC10845 | | <1 | 0.02 | <10 | 0.04 | 40 | <1 | 0.03 | 2 | 150 | 4 | 0.01 | <2 | <1 | 9 | <20 |
| CC10846 | | <1 | 0.13 | 50 | 0.41 | 369 | 2 | 0.01 | 21 | 390 | 45 | 0.02 | <2 | 5 | 21 | 20 |
| CC10847 | | 1 | 0.15 | 100 | 0.45 | 372 | 4 | 0.01 | 24 | 950 | 118 | 0.08 | 4 | 4 | 36 | <20 |
| CC10848 | | <1 | 0.14 | 50 | 0.42 | 246 | 3 | 0.01 | 18 | 540 | 144 | 0.05 | 3 | 3 | 22 | <20 |
| CC10849 | | <1 | 0.15 | 30 | 0.50 | 454 | 2 | 0.01 | 18 | 510 | 185 | 0.02 | 5 | 4 | 15 | <20 |
| CC10850 | | <1 | 0.14 | 20 | 0.29 | 354 | 3 | <0.01 | 14 | 420 | 117 | 0.03 | 6 | 3 | 8 | <20 |

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VANCOUVER BC V6B 1L8


Finalized Date: 29-OCT-2007
Account: RCM

Project: CONNAUGHT - GRID A and GRID B

# CERTIFICATE OF ANALYSIS VA07109373

| Sample Description | Method / Analyte / Units / LOR | ME-ICP41 Ti % 0.01 | ME-ICP41 Tl ppm 10 | ME-ICP41 U ppm 10 | ME-ICP41 V ppm 1 | ME-ICP41 W ppm 10 | ME-ICP41 Zn ppm 2 |
|---|---|---|---|---|---|---|---|
| CC10825 | | 0.04 | <10 | <10 | 24 | <10 | 45 |
| CC10826 | | 0.04 | <10 | <10 | 19 | <10 | 42 |
| CC10827 | | 0.04 | <10 | <10 | 21 | <10 | 46 |
| CC10828 | | 0.05 | <10 | <10 | 31 | <10 | 53 |
| CC10829 | | 0.02 | <10 | <10 | 12 | <10 | 30 |
| CC10830 | | 0.03 | <10 | <10 | 25 | <10 | 31 |
| CC10831 | | 0.04 | <10 | <10 | 27 | <10 | 51 |
| CC10832 | | 0.04 | <10 | <10 | 35 | <10 | 49 |
| CC10833 | | 0.05 | <10 | <10 | 36 | <10 | 49 |
| CC10834 | | 0.08 | <10 | <10 | 49 | <10 | 70 |
| CC10835 | | 0.05 | <10 | <10 | 42 | <10 | 48 |
| CC10836 | | 0.06 | <10 | <10 | 59 | <10 | 68 |
| CC10837 | | 0.04 | <10 | <10 | 36 | <10 | 42 |
| CC10838 | | 0.04 | <10 | <10 | 54 | <10 | 37 |
| CC10839 | | 0.01 | <10 | <10 | 10 | <10 | 43 |
| CC10840 | | 0.09 | <10 | <10 | 70 | <10 | 57 |
| CC10841 | | 0.06 | <10 | <10 | 45 | <10 | 50 |
| CC10842 | | 0.06 | <10 | <10 | 44 | <10 | 39 |
| CC10843 | | 0.12 | <10 | <10 | 77 | <10 | 58 |
| CC10844 | | 0.11 | <10 | <10 | 86 | <10 | 55 |
| CC10845 | | 0.04 | <10 | <10 | 17 | <10 | 10 |
| CC10846 | | 0.09 | <10 | <10 | 73 | <10 | 69 |
| CC10847 | | 0.06 | <10 | <10 | 57 | <10 | 113 |
| CC10848 | | 0.08 | <10 | <10 | 51 | <10 | 101 |
| CC10849 | | 0.10 | <10 | <10 | 51 | <10 | 111 |
| CC10850 | | 0.09 | <10 | <10 | 51 | <10 | 112 |

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Finalized D 29-OCT-2007
Account: RCM

## CERTIFICATE VA07109372

Project: CONNAUGHT-GRID A AND B

P.O. No.:

This report is for 179 Soil samples submitted to our lab in Vancouver, BC, Canada on 13-SEP-2007.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| AL ARCHER<br>BILL WENGZYNOWSKI | DOUG EATON | JOAN MARIACHER |

## 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 |
|---|---|---|
| ME-ICP41 | 35 Element Aqua Regia ICP-AES | ICP-AES |

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

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

**Signature:** Lawrence Ng

Lawrence Ng, Laboratory Manager - Vancouver

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Finalized Date: 29-OCT-2007
Account: RCM

Project: CONNAUGHT-GRID A AND B

## CERTIFICATE OF ANALYSIS VA07109372

| Sample Description | Method / Analyte / Units / LOR | WEI-21 Recvd Wt. kg 0.02 | ME-ICP41 Ag ppm 0.2 | ME-ICP41 Al % 0.01 | ME-ICP41 As ppm 2 | ME-ICP41 B ppm 10 | ME-ICP41 Ba ppm 10 | ME-ICP41 Be ppm 0.5 | ME-ICP41 Bi ppm 2 | ME-ICP41 Ca % 0.01 | ME-ICP41 Cd ppm 0.5 | ME-ICP41 Co ppm 1 | ME-ICP41 Cr ppm 1 | ME-ICP41 Cu ppm 1 | ME-ICP41 Fe % 0.01 | ME-ICP41 Ga ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CC32930 | | 0.34 | 0.2 | 1.80 | 12 | <10 | 120 | 0.6 | <2 | 0.33 | <0.5 | 7 | 20 | 15 | 2.29 | 10 |
| CC32931 | | 0.10 | 0.8 | 1.33 | 25 | <10 | 160 | 0.5 | <2 | 0.17 | 1.1 | 6 | 25 | 13 | 2.19 | 10 |
| CC32932 | | 0.16 | 0.6 | 1.50 | 28 | <10 | 170 | 0.7 | 2 | 0.20 | 1.1 | 7 | 22 | 12 | 2.33 | 10 |
| CC32933 | | 0.18 | 0.4 | 1.21 | 18 | <10 | 100 | 0.5 | 2 | 0.16 | 0.8 | 5 | 18 | 10 | 2.18 | 10 |
| CC32934 | | 0.14 | 0.3 | 1.38 | 14 | <10 | 160 | 0.6 | 2 | 0.22 | 0.6 | 5 | 19 | 10 | 1.93 | 10 |
| CC32935 | | 0.14 | 0.4 | 0.45 | 3 | <10 | 50 | <0.5 | 2 | 0.06 | 0.6 | 2 | 6 | 5 | 0.90 | <10 |
| CC32936 | | 0.12 | 0.5 | 1.49 | 11 | <10 | 130 | 0.6 | 2 | 0.16 | 0.6 | 5 | 19 | 14 | 2.19 | 10 |
| CC32937 | | 0.10 | 0.4 | 1.39 | 6 | <10 | 140 | 0.7 | 2 | 0.13 | 0.8 | 5 | 15 | 12 | 1.97 | 10 |
| CC32938 | | 0.14 | 0.3 | 1.60 | 9 | <10 | 140 | 0.7 | 2 | 0.18 | 0.7 | 6 | 22 | 13 | 2.69 | 10 |
| CC32939 | | 0.20 | 0.2 | 2.80 | 11 | <10 | 280 | 1.1 | <2 | 0.19 | 0.7 | 10 | 34 | 20 | 3.60 | 10 |
| CC32940 | | 0.12 | 0.3 | 0.92 | 5 | <10 | 170 | 0.7 | <2 | 0.13 | 1.0 | 4 | 12 | 21 | 1.34 | <10 |
| CC32941 | | 0.22 | 0.2 | 1.40 | 10 | <10 | 130 | 0.6 | <2 | 0.19 | <0.5 | 6 | 20 | 11 | 2.47 | 10 |
| CC32942 | | 0.10 | 0.5 | 0.63 | 4 | <10 | 60 | <0.5 | 2 | 0.09 | <0.5 | 2 | 8 | 8 | 0.80 | <10 |
| CC32943 | | 0.18 | 0.2 | 2.38 | 20 | <10 | 140 | 0.7 | 2 | 0.12 | 0.6 | 8 | 29 | 16 | 3.44 | 10 |
| CC32944 | | 0.10 | 0.3 | 0.69 | 5 | <10 | 40 | <0.5 | <2 | 0.07 | 0.5 | 2 | 7 | 9 | 0.96 | <10 |
| CC32945 | | 0.24 | 0.2 | 1.51 | 17 | <10 | 130 | 0.9 | 2 | 0.24 | <0.5 | 6 | 23 | 18 | 2.69 | 10 |
| CC32946 | | 0.10 | 0.6 | 1.15 | 10 | <10 | 200 | 1.0 | 2 | 0.31 | 1.6 | 5 | 15 | 18 | 1.56 | <10 |
| CC32947 | | 0.12 | 0.2 | 0.65 | 4 | <10 | 60 | <0.5 | 2 | 0.07 | <0.5 | 3 | 9 | 7 | 1.07 | <10 |
| CC32948 | | 0.18 | 0.2 | 0.57 | 2 | <10 | 50 | <0.5 | <2 | 0.07 | <0.5 | 3 | 8 | 6 | 1.11 | <10 |
| CC32949 | | 0.06 | 0.3 | 0.90 | 4 | <10 | 260 | 0.6 | 2 | 0.18 | 0.7 | 3 | 8 | 10 | 1.03 | <10 |
| CC32950 | | 0.06 | 0.2 | 0.92 | 9 | <10 | 120 | <0.5 | 2 | 0.13 | <0.5 | 3 | 16 | 13 | 1.15 | <10 |
| CC32951 | | 0.14 | 0.4 | 0.34 | 4 | <10 | 40 | <0.5 | <2 | 0.07 | <0.5 | 2 | 5 | 4 | 0.52 | <10 |
| CC32952 | | 0.22 | 0.5 | 0.90 | 29 | <10 | 110 | <0.5 | 2 | 0.19 | 0.7 | 5 | 14 | 9 | 1.67 | <10 |
| CC32953 | | 0.12 | 0.9 | 1.15 | 23 | <10 | 100 | <0.5 | 2 | 0.20 | 0.5 | 3 | 16 | 7 | 1.66 | <10 |
| CC32954 | | 0.14 | 0.9 | 1.10 | 22 | <10 | 90 | <0.5 | 2 | 0.20 | <0.5 | 4 | 16 | 10 | 1.56 | 10 |
| CC32955 | | 0.22 | 0.6 | 1.17 | 16 | <10 | 90 | <0.5 | <2 | 0.17 | 0.5 | 4 | 15 | 8 | 1.78 | <10 |
| CC32956 | | 0.28 | 0.4 | 1.76 | 8 | <10 | 100 | 0.5 | <2 | 0.26 | <0.5 | 5 | 15 | 15 | 2.11 | <10 |
| CC32957 | | 0.26 | 0.2 | 1.68 | 6 | <10 | 120 | 0.5 | <2 | 0.19 | <0.5 | 7 | 22 | 17 | 2.33 | <10 |
| CC32958 | | 0.20 | 0.2 | 1.62 | 5 | <10 | 100 | 0.5 | <2 | 0.19 | 0.5 | 6 | 19 | 15 | 2.14 | 10 |
| CC32959 | | 0.24 | 0.3 | 1.60 | 5 | <10 | 120 | <0.5 | <2 | 0.23 | <0.5 | 5 | 21 | 19 | 2.11 | <10 |
| CC10851 | | 0.08 | 0.3 | 0.46 | 8 | <10 | 120 | <0.5 | 2 | 0.41 | 0.9 | 2 | 5 | 8 | 0.77 | <10 |
| CC10852 | | 0.26 | <0.2 | 1.25 | 25 | <10 | 130 | 1.5 | 4 | 0.15 | <0.5 | 6 | 12 | 11 | 2.93 | 10 |
| CC10853 | | 0.22 | <0.2 | 1.84 | 20 | <10 | 120 | 1.5 | 6 | 0.16 | <0.5 | 6 | 17 | 12 | 3.57 | 10 |
| CC10854 | | 0.24 | 0.3 | 2.12 | 24 | <10 | 120 | 1.0 | 7 | 0.14 | 0.5 | 10 | 25 | 17 | 2.98 | 10 |
| CC10855 | | 0.18 | <0.2 | 1.03 | 10 | <10 | 30 | 0.6 | 6 | 0.07 | 0.5 | 3 | 14 | 10 | 2.31 | 10 |
| CC10856 | | 0.22 | 0.3 | 1.79 | 13 | <10 | 70 | 0.7 | 4 | 0.13 | <0.5 | 7 | 24 | 15 | 3.54 | 10 |
| CC10857 | | 0.22 | 0.2 | 1.20 | 9 | <10 | 60 | <0.5 | <2 | 0.10 | <0.5 | 6 | 19 | 14 | 2.18 | <10 |
| CC10858 | | 0.12 | 0.3 | 0.68 | 2 | <10 | 20 | <0.5 | <2 | 0.06 | <0.5 | 2 | 7 | 6 | 0.88 | <10 |
| CC10859 | | 0.10 | 0.2 | 0.31 | <2 | <10 | 40 | <0.5 | <2 | 0.09 | <0.5 | 2 | 6 | 6 | 0.73 | <10 |
| CC10860 | | 0.10 | 0.9 | 0.63 | 4 | <10 | 120 | <0.5 | <2 | 0.15 | <0.5 | 3 | 8 | 11 | 0.96 | <10 |

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Project: CONNAUGHT-GRID A AND B

## CERTIFICATE OF ANALYSIS VA07109372

| 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 |
| CC32930 | | <1 | 0.15 | 30 | 0.80 | 274 | 1 | <0.01 | 14 | 250 | 34 | 0.03 | 2 | 3 | 19 | <20 |
| CC32931 | | <1 | 0.08 | 30 | 0.34 | 238 | 1 | 0.01 | 15 | 730 | 39 | 0.07 | 3 | 2 | 20 | <20 |
| CC32932 | | <1 | 0.09 | 40 | 0.34 | 602 | 1 | <0.01 | 14 | 690 | 99 | 0.05 | 2 | 3 | 20 | <20 |
| CC32933 | | <1 | 0.12 | 30 | 0.29 | 229 | 1 | <0.01 | 12 | 510 | 52 | 0.03 | 2 | 2 | 14 | <20 |
| CC32934 | | <1 | 0.09 | 40 | 0.34 | 152 | 1 | 0.01 | 13 | 610 | 52 | 0.04 | <2 | 3 | 21 | <20 |
| CC32935 | | <1 | 0.05 | 10 | 0.06 | 93 | <1 | 0.01 | 4 | 260 | 10 | 0.03 | <2 | 1 | 9 | <20 |
| CC32936 | | <1 | 0.13 | 30 | 0.26 | 218 | 2 | 0.01 | 14 | 510 | 18 | 0.04 | 3 | 2 | 19 | <20 |
| CC32937 | | <1 | 0.07 | 40 | 0.19 | 158 | 1 | 0.01 | 10 | 430 | 16 | 0.03 | <2 | 2 | 15 | <20 |
| CC32938 | | <1 | 0.15 | 50 | 0.37 | 323 | 1 | 0.01 | 15 | 620 | 18 | 0.04 | 2 | 4 | 17 | <20 |
| CC32939 | | 1 | 0.12 | 70 | 0.53 | 482 | 1 | 0.01 | 22 | 370 | 14 | 0.02 | 2 | 5 | 23 | <20 |
| CC32940 | | <1 | 0.07 | 40 | 0.13 | 163 | <1 | 0.01 | 12 | 520 | 14 | 0.04 | <2 | <1 | 18 | <20 |
| CC32941 | | <1 | 0.14 | 40 | 0.34 | 200 | 1 | 0.01 | 12 | 340 | 10 | 0.03 | 2 | 3 | 20 | <20 |
| CC32942 | | <1 | 0.05 | 20 | 0.05 | 36 | <1 | 0.01 | 4 | 440 | 8 | 0.05 | 2 | <1 | 14 | <20 |
| CC32943 | | 1 | 0.11 | 20 | 0.41 | 266 | 1 | 0.01 | 19 | 360 | 20 | 0.02 | 4 | 4 | 14 | <20 |
| CC32944 | | 1 | 0.03 | 10 | 0.05 | 49 | 1 | 0.01 | 4 | 470 | 8 | 0.06 | <2 | <1 | 11 | <20 |
| CC32945 | | 1 | 0.09 | 50 | 0.40 | 337 | 1 | <0.01 | 17 | 580 | 32 | 0.02 | <2 | 4 | 20 | <20 |
| CC32946 | | <1 | 0.08 | 100 | 0.15 | 136 | 2 | 0.01 | 12 | 1200 | 16 | 0.14 | 2 | 2 | 35 | <20 |
| CC32947 | | <1 | 0.04 | 10 | 0.09 | 92 | <1 | 0.01 | 5 | 450 | 9 | 0.04 | 2 | <1 | 11 | <20 |
| CC32948 | | <1 | 0.03 | 10 | 0.09 | 72 | <1 | 0.01 | 4 | 320 | 6 | 0.03 | <2 | 1 | 10 | <20 |
| CC32949 | | 1 | 0.04 | 90 | 0.08 | 40 | 1 | 0.02 | 8 | 1060 | 10 | 0.12 | <2 | 2 | 40 | <20 |
| CC32950 | | <1 | 0.06 | 20 | 0.15 | 90 | 1 | 0.01 | 8 | 410 | 31 | 0.04 | 2 | 1 | 17 | <20 |
| CC32951 | | <1 | 0.03 | 10 | 0.05 | 45 | <1 | 0.01 | 2 | 270 | 35 | 0.03 | 2 | 1 | 9 | <20 |
| CC32952 | | <1 | 0.08 | 30 | 0.19 | 198 | 2 | 0.01 | 7 | 500 | 83 | 0.05 | 4 | 2 | 21 | <20 |
| CC32953 | | <1 | 0.06 | 20 | 0.28 | 109 | 1 | 0.01 | 11 | 420 | 116 | 0.04 | 4 | 2 | 18 | <20 |
| CC32954 | | <1 | 0.07 | 20 | 0.22 | 94 | 1 | 0.01 | 10 | 550 | 108 | 0.07 | 2 | 2 | 18 | <20 |
| CC32955 | | <1 | 0.06 | 20 | 0.25 | 108 | 1 | 0.01 | 9 | 510 | 79 | 0.05 | <2 | 2 | 15 | <20 |
| CC32956 | | <1 | 0.22 | 40 | 0.77 | 224 | 1 | 0.01 | 10 | 390 | 56 | 0.03 | 2 | 3 | 19 | <20 |
| CC32957 | | 1 | 0.08 | 20 | 0.51 | 356 | 1 | <0.01 | 13 | 290 | 24 | 0.02 | <2 | 3 | 17 | <20 |
| CC32958 | | 1 | 0.10 | 20 | 0.57 | 335 | 1 | <0.01 | 12 | 280 | 24 | 0.02 | <2 | 3 | 16 | <20 |
| CC32959 | | <1 | 0.09 | 30 | 0.51 | 336 | 1 | 0.01 | 14 | 340 | 34 | 0.03 | 3 | 3 | 20 | <20 |
| CC10851 | | 1 | 0.10 | 30 | 0.10 | 166 | 1 | 0.01 | 6 | 860 | 9 | 0.12 | <2 | 1 | 34 | <20 |
| CC10852 | | <1 | 0.19 | 60 | 0.25 | 444 | 2 | <0.01 | 9 | 590 | 14 | 0.05 | 2 | 3 | 11 | 20 |
| CC10853 | | <1 | 0.36 | 100 | 0.49 | 374 | 2 | <0.01 | 11 | 550 | 24 | 0.03 | 2 | 3 | 13 | 20 |
| CC10854 | | <1 | 0.11 | 30 | 0.42 | 350 | 2 | <0.01 | 21 | 380 | 59 | 0.04 | 3 | 4 | 14 | 20 |
| CC10855 | | <1 | 0.10 | 20 | 0.21 | 147 | 2 | <0.01 | 9 | 250 | 17 | 0.03 | 3 | 2 | 7 | <20 |
| CC10856 | | <1 | 0.10 | 10 | 0.28 | 375 | 2 | <0.01 | 13 | 700 | 19 | 0.07 | <2 | 3 | 13 | <20 |
| CC10857 | | <1 | 0.08 | 10 | 0.24 | 215 | 4 | 0.02 | 14 | 290 | 23 | 0.01 | 3 | 2 | 9 | <20 |
| CC10858 | | <1 | 0.03 | 10 | 0.05 | 33 | 1 | 0.02 | 3 | 380 | 9 | 0.03 | 4 | <1 | 9 | <20 |
| CC10859 | | <1 | 0.04 | 10 | 0.04 | 46 | 1 | 0.02 | 3 | 450 | 7 | 0.04 | <2 | <1 | 11 | <20 |
| CC10860 | | <1 | 0.06 | 70 | 0.09 | 120 | 1 | 0.02 | 6 | 720 | 11 | 0.06 | 2 | 1 | 18 | <20 |

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1016-510 W HASTINGS ST
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Finalized Date: 29-OCT-2007
Account: RCM

Project: CONNAUGHT-GRID A AND B

## CERTIFICATE OF ANALYSIS VA07109372

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC32930 | | 0.09 | <10 | <10 | 40 | <10 | 87 |
| CC32931 | | 0.07 | <10 | <10 | 50 | <10 | 80 |
| CC32932 | | 0.06 | <10 | <10 | 45 | <10 | 85 |
| CC32933 | | 0.07 | <10 | <10 | 40 | <10 | 75 |
| CC32934 | | 0.06 | <10 | <10 | 37 | <10 | 69 |
| CC32935 | | 0.04 | <10 | <10 | 22 | <10 | 20 |
| CC32936 | | 0.06 | <10 | <10 | 45 | <10 | 56 |
| CC32937 | | 0.05 | <10 | <10 | 39 | <10 | 41 |
| CC32938 | | 0.09 | <10 | <10 | 50 | <10 | 59 |
| CC32939 | | 0.09 | <10 | <10 | 72 | <10 | 70 |
| CC32940 | | 0.03 | <10 | <10 | 27 | <10 | 30 |
| CC32941 | | 0.08 | <10 | <10 | 48 | <10 | 46 |
| CC32942 | | 0.03 | <10 | <10 | 17 | <10 | 15 |
| CC32943 | | 0.09 | <10 | <10 | 69 | <10 | 58 |
| CC32944 | | 0.03 | <10 | <10 | 22 | <10 | 17 |
| CC32945 | | 0.07 | <10 | <10 | 47 | <10 | 65 |
| CC32946 | | 0.03 | <10 | <10 | 23 | <10 | 54 |
| CC32947 | | 0.03 | <10 | <10 | 22 | <10 | 22 |
| CC32948 | | 0.04 | <10 | <10 | 27 | <10 | 19 |
| CC32949 | | 0.02 | <10 | <10 | 12 | <10 | 18 |
| CC32950 | | 0.04 | <10 | <10 | 23 | <10 | 29 |
| CC32951 | | 0.02 | <10 | <10 | 12 | <10 | 18 |
| CC32952 | | 0.05 | <10 | <10 | 37 | <10 | 54 |
| CC32953 | | 0.05 | <10 | <10 | 28 | <10 | 57 |
| CC32954 | | 0.04 | <10 | <10 | 22 | <10 | 58 |
| CC32955 | | 0.05 | <10 | <10 | 30 | <10 | 50 |
| CC32956 | | 0.07 | <10 | <10 | 34 | <10 | 73 |
| CC32957 | | 0.08 | <10 | <10 | 41 | <10 | 120 |
| CC32958 | | 0.07 | <10 | <10 | 35 | <10 | 119 |
| CC32959 | | 0.07 | <10 | <10 | 40 | <10 | 83 |
| CC10851 | | 0.02 | <10 | <10 | 15 | <10 | 38 |
| CC10852 | | 0.05 | <10 | <10 | 30 | <10 | 55 |
| CC10853 | | 0.09 | <10 | <10 | 38 | <10 | 68 |
| CC10854 | | 0.06 | <10 | <10 | 53 | <10 | 60 |
| CC10855 | | 0.07 | <10 | <10 | 40 | <10 | 34 |
| CC10856 | | 0.08 | <10 | <10 | 66 | <10 | 45 |
| CC10857 | | 0.07 | <10 | <10 | 46 | <10 | 41 |
| CC10858 | | 0.04 | <10 | <10 | 17 | <10 | 11 |
| CC10859 | | 0.03 | <10 | <10 | 22 | <10 | 16 |
| CC10860 | | 0.03 | <10 | <10 | 20 | <10 | 25 |

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Project: CONNAUGHT-GRID A AND B

## CERTIFICATE OF ANALYSIS VA07109372

| 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 |
| CC10861 | | 0.18 | 0.2 | 1.35 | 13 | <10 | 120 | <0.5 | 2 | 0.15 | <0.5 | 6 | 20 | 13 | 2.99 | 10 |
| CC10862 | | 0.16 | 0.4 | 2.05 | 21 | <10 | 140 | 0.6 | 2 | 0.15 | <0.5 | 7 | 28 | 16 | 3.14 | 10 |
| CC10863 | | 0.10 | 0.3 | 1.41 | 15 | <10 | 210 | 1.5 | <2 | 0.47 | <0.5 | 5 | 16 | 22 | 1.75 | <10 |
| CC10864 | | 0.12 | 0.5 | 1.91 | 14 | <10 | 150 | 0.6 | <2 | 0.13 | <0.5 | 6 | 22 | 16 | 2.39 | 10 |
| CC10865 | | 0.18 | 0.3 | 2.56 | 32 | <10 | 180 | 1.1 | <2 | 0.18 | 0.6 | 13 | 32 | 28 | 3.67 | 10 |
| CC10866 | | 0.14 | 0.5 | 1.05 | 17 | <10 | 110 | <0.5 | <2 | 0.11 | 0.5 | 4 | 15 | 14 | 1.82 | 10 |
| CC10867 | | 0.22 | <0.2 | 1.17 | 25 | <10 | 90 | <0.5 | <2 | 0.16 | <0.5 | 4 | 16 | 8 | 2.06 | <10 |
| CC10868 | | 0.26 | 0.2 | 1.21 | 35 | <10 | 90 | <0.5 | <2 | 0.17 | <0.5 | 5 | 17 | 9 | 1.88 | <10 |
| CC10869 | | 0.12 | 0.3 | 1.04 | 48 | <10 | 70 | <0.5 | <2 | 0.16 | <0.5 | 4 | 13 | 8 | 1.66 | <10 |
| CC10870 | | 0.22 | 1.6 | 1.29 | 63 | <10 | 90 | <0.5 | <2 | 0.18 | <0.5 | 4 | 18 | 11 | 2.19 | 10 |
| CC10871 | | 0.26 | 1.1 | 1.42 | 50 | <10 | 90 | <0.5 | 2 | 0.15 | <0.5 | 5 | 21 | 10 | 2.25 | 10 |
| CC10872 | | 0.16 | 1.1 | 1.23 | 46 | <10 | 90 | <0.5 | <2 | 0.17 | <0.5 | 4 | 19 | 11 | 1.92 | <10 |
| CC10873 | | 0.20 | 0.5 | 1.02 | 37 | <10 | 70 | <0.5 | <2 | 0.16 | <0.5 | 3 | 17 | 8 | 1.60 | 10 |
| CC10874 | | 0.16 | 0.4 | 1.22 | 36 | <10 | 90 | <0.5 | <2 | 0.15 | <0.5 | 3 | 20 | 10 | 1.62 | <10 |
| CC10875 | | 0.08 | 0.5 | 0.94 | 19 | <10 | 150 | <0.5 | <2 | 0.27 | 0.6 | 3 | 11 | 12 | 1.67 | <10 |
| CC10876 | | 0.10 | 0.2 | 1.08 | 26 | <10 | 110 | <0.5 | <2 | 0.16 | <0.5 | 3 | 14 | 10 | 1.70 | <10 |
| CC10877 | | 0.14 | 0.3 | 1.24 | 26 | <10 | 140 | 0.5 | <2 | 0.19 | <0.5 | 5 | 15 | 12 | 1.78 | <10 |
| CC10878 | | 0.12 | 0.2 | 1.25 | 15 | <10 | 150 | 0.5 | <2 | 0.26 | <0.5 | 4 | 18 | 11 | 1.69 | <10 |
| CC10879 | | 0.08 | 0.4 | 0.87 | 9 | <10 | 120 | <0.5 | <2 | 0.18 | <0.5 | 4 | 13 | 11 | 1.45 | <10 |
| CC10880 | | 0.10 | 0.6 | 0.43 | 5 | <10 | 120 | <0.5 | 3 | 0.29 | 0.6 | 3 | 6 | 8 | 0.63 | <10 |
| CC10881 | | 0.18 | 0.2 | 1.31 | 22 | <10 | 150 | 1.1 | <2 | 0.25 | <0.5 | 7 | 19 | 17 | 2.86 | <10 |
| CC10882 | | 0.30 | <0.2 | 1.62 | 22 | <10 | 70 | 1.0 | <2 | 0.20 | <0.5 | 7 | 22 | 13 | 2.99 | 10 |
| CC10883 | | 0.14 | 0.3 | 0.67 | 4 | <10 | 90 | <0.5 | <2 | 0.22 | <0.5 | 3 | 9 | 10 | 1.05 | <10 |
| CC10884 | | 0.16 | <0.2 | 0.98 | 9 | <10 | 60 | 0.6 | <2 | 0.12 | <0.5 | 5 | 12 | 10 | 1.78 | <10 |
| CC10885 | | 0.18 | 0.2 | 1.12 | 9 | <10 | 60 | <0.5 | 4 | 0.07 | <0.5 | 3 | 14 | 11 | 2.40 | 10 |
| CC10886 | | 0.34 | <0.2 | 1.69 | 10 | <10 | 90 | 1.4 | 6 | 0.11 | <0.5 | 9 | 20 | 14 | 2.45 | 10 |
| CC10887 | | 0.20 | <0.2 | 2.68 | 13 | <10 | 110 | 1.1 | 7 | 0.14 | <0.5 | 10 | 28 | 16 | 3.25 | 10 |
| CC10888 | | 0.18 | 0.2 | 1.47 | 13 | <10 | 100 | 0.7 | <2 | 0.13 | <0.5 | 7 | 23 | 15 | 2.57 | 10 |
| CC10889 | | 0.20 | <0.2 | 1.39 | 14 | <10 | 90 | 0.8 | <2 | 0.20 | <0.5 | 7 | 20 | 13 | 2.45 | 10 |
| CC10890 | | 0.16 | 0.4 | 1.11 | 15 | <10 | 60 | <0.5 | <2 | 0.11 | <0.5 | 3 | 16 | 12 | 2.12 | 10 |
| CC10891 | | 0.16 | <0.2 | 0.49 | 3 | <10 | 30 | <0.5 | <2 | 0.06 | <0.5 | 2 | 6 | 4 | 0.94 | <10 |
| CC10892 | | 0.10 | 0.4 | 0.43 | 7 | <10 | 80 | <0.5 | <2 | 0.12 | <0.5 | 2 | 8 | 9 | 0.89 | <10 |
| CC10893 | | 0.14 | <0.2 | 0.29 | <2 | <10 | 20 | <0.5 | <2 | 0.08 | <0.5 | 2 | 3 | 3 | 0.59 | <10 |
| CC10894 | | 0.10 | 1.1 | 1.20 | 7 | <10 | 100 | 0.6 | <2 | 0.10 | <0.5 | 5 | 15 | 15 | 1.61 | <10 |
| CC10895 | | 0.18 | 0.2 | 1.11 | 19 | <10 | 110 | 0.6 | <2 | 0.31 | <0.5 | 4 | 18 | 12 | 2.05 | <10 |
| CC10896 | | 0.14 | 0.7 | 1.04 | 14 | <10 | 80 | <0.5 | <2 | 0.10 | <0.5 | 3 | 11 | 9 | 1.52 | <10 |
| CC10897 | | 0.12 | 2.2 | 0.82 | 19 | <10 | 70 | <0.5 | <2 | 0.05 | 0.5 | 2 | 11 | 11 | 1.49 | <10 |
| CC10898 | | Not Recvd | | | | | | | | | | | | | | |
| CC10899 | | Not Recvd | | | | | | | | | | | | | | |
| CC10900 | | Not Recvd | | | | | | | | | | | | | | |

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Finalized Date: 29-OCT-2007
Account: RCM

Project: CONNAUGHT-GRID A AND B

## CERTIFICATE OF ANALYSIS VA07109372

| 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 |
| CC10861 | | <1 | 0.12 | 20 | 0.29 | 230 | 2 | 0.01 | 13 | 370 | 13 | 0.02 | 2 | 3 | 16 | <20 |
| CC10862 | | <1 | 0.12 | 30 | 0.43 | 210 | 3 | 0.02 | 16 | 350 | 16 | 0.02 | 4 | 4 | 17 | <20 |
| CC10863 | | <1 | 0.10 | 230 | 0.21 | 185 | 2 | 0.02 | 13 | 740 | 17 | 0.07 | 2 | 3 | 43 | <20 |
| CC10864 | | <1 | 0.09 | 20 | 0.22 | 223 | 2 | 0.02 | 12 | 350 | 28 | 0.02 | 2 | 3 | 15 | <20 |
| CC10865 | | 1 | 0.13 | 50 | 0.45 | 645 | 3 | 0.02 | 19 | 470 | 52 | 0.03 | 3 | 4 | 18 | <20 |
| CC10866 | | <1 | 0.07 | 10 | 0.18 | 251 | 2 | 0.02 | 9 | 460 | 23 | 0.03 | <2 | 2 | 12 | <20 |
| CC10867 | | <1 | 0.06 | 20 | 0.28 | 103 | 1 | 0.01 | 9 | 490 | 28 | 0.02 | 2 | 2 | 12 | <20 |
| CC10868 | | <1 | 0.06 | 20 | 0.30 | 114 | 1 | 0.01 | 9 | 470 | 62 | 0.02 | 2 | 2 | 14 | <20 |
| CC10869 | | <1 | 0.07 | 20 | 0.25 | 104 | 2 | 0.01 | 7 | 470 | 95 | 0.02 | 5 | 2 | 11 | <20 |
| CC10870 | | <1 | 0.07 | 30 | 0.31 | 149 | 2 | 0.01 | 10 | 680 | 261 | 0.04 | 3 | 2 | 14 | <20 |
| CC10871 | | <1 | 0.09 | 30 | 0.34 | 129 | 2 | 0.01 | 11 | 560 | 261 | 0.03 | 5 | 3 | 12 | <20 |
| CC10872 | | <1 | 0.07 | 30 | 0.30 | 117 | 1 | 0.01 | 9 | 660 | 236 | 0.04 | 7 | 2 | 14 | <20 |
| CC10873 | | <1 | 0.07 | 20 | 0.26 | 98 | 1 | 0.01 | 7 | 600 | 104 | 0.03 | 4 | 2 | 11 | <20 |
| CC10874 | | <1 | 0.07 | 30 | 0.25 | 96 | 1 | 0.02 | 8 | 570 | 97 | 0.04 | 2 | 2 | 13 | <20 |
| CC10875 | | <1 | 0.06 | 50 | 0.16 | 111 | 1 | 0.02 | 7 | 820 | 92 | 0.08 | 3 | 2 | 25 | <20 |
| CC10876 | | <1 | 0.06 | 30 | 0.17 | 118 | 1 | 0.02 | 8 | 770 | 36 | 0.09 | 2 | 1 | 16 | <20 |
| CC10877 | | <1 | 0.07 | 40 | 0.22 | 229 | 2 | 0.02 | 9 | 830 | 26 | 0.08 | <2 | 2 | 20 | <20 |
| CC10878 | | <1 | 0.07 | 40 | 0.25 | 126 | 1 | 0.02 | 11 | 660 | 19 | 0.08 | 3 | 2 | 26 | <20 |
| CC10879 | | <1 | 0.08 | 40 | 0.15 | 132 | 1 | 0.02 | 8 | 1050 | 25 | 0.11 | <2 | 1 | 15 | <20 |
| CC10880 | | <1 | 0.06 | 50 | 0.05 | 50 | 1 | 0.02 | 5 | 1170 | 15 | 0.15 | <2 | 1 | 25 | <20 |
| CC10881 | | <1 | 0.11 | 70 | 0.35 | 286 | 3 | 0.01 | 12 | 590 | 54 | 0.01 | 4 | 4 | 17 | 20 |
| CC10882 | | <1 | 0.12 | 40 | 0.39 | 351 | 2 | 0.01 | 14 | 520 | 32 | 0.01 | 2 | 3 | 13 | 20 |
| CC10883 | | <1 | 0.07 | 10 | 0.08 | 65 | 1 | 0.02 | 6 | 850 | 10 | 0.10 | 2 | <1 | 18 | <20 |
| CC10884 | | <1 | 0.10 | 20 | 0.18 | 159 | 1 | 0.02 | 6 | 480 | 16 | 0.04 | 2 | 2 | 10 | <20 |
| CC10885 | | <1 | 0.06 | 10 | 0.13 | 117 | 2 | 0.01 | 6 | 390 | 16 | 0.04 | 2 | 2 | 9 | <20 |
| CC10886 | | <1 | 0.14 | 60 | 0.32 | 454 | 2 | 0.01 | 14 | 310 | 24 | 0.02 | 4 | 4 | 9 | 30 |
| CC10887 | | <1 | 0.10 | 20 | 0.39 | 217 | 2 | 0.01 | 19 | 320 | 19 | 0.03 | 5 | 4 | 14 | 20 |
| CC10888 | | <1 | 0.08 | 50 | 0.35 | 242 | 1 | 0.01 | 15 | 420 | 27 | 0.03 | <2 | 3 | 12 | <20 |
| CC10889 | | <1 | 0.14 | 30 | 0.35 | 308 | 1 | 0.01 | 14 | 410 | 22 | 0.02 | 4 | 3 | 14 | <20 |
| CC10890 | | <1 | 0.06 | 10 | 0.19 | 165 | 1 | 0.01 | 10 | 460 | 21 | 0.04 | 4 | 2 | 11 | <20 |
| CC10891 | | <1 | 0.03 | <10 | 0.06 | 55 | <1 | 0.02 | 3 | 210 | 4 | 0.02 | 2 | 1 | 7 | <20 |
| CC10892 | | <1 | 0.04 | 10 | 0.06 | 65 | 1 | 0.02 | 5 | 430 | 18 | 0.03 | 2 | 1 | 13 | <20 |
| CC10893 | | <1 | 0.03 | <10 | 0.07 | 49 | <1 | 0.03 | 1 | 200 | 3 | 0.01 | 2 | <1 | 9 | <20 |
| CC10894 | | <1 | 0.07 | 100 | 0.16 | 90 | 2 | 0.02 | 9 | 630 | 20 | 0.07 | 3 | 2 | 13 | <20 |
| CC10895 | | <1 | 0.12 | 40 | 0.29 | 187 | 1 | 0.01 | 10 | 440 | 27 | 0.04 | 5 | 3 | 27 | <20 |
| CC10896 | | <1 | 0.05 | 20 | 0.16 | 96 | 1 | 0.02 | 5 | 290 | 30 | 0.03 | 2 | 2 | 11 | <20 |
| CC10897 | | <1 | 0.07 | 10 | 0.10 | 83 | 1 | 0.02 | 5 | 440 | 47 | 0.04 | 2 | 1 | 7 | <20 |
| CC10898 | | | | | | | | | | | | | | | | |
| CC10899 | | | | | | | | | | | | | | | | |
| CC10900 | | | | | | | | | | | | | | | | |

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Finalized Date: 29-OCT-2007
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Project: CONNAUGHT-GRID A AND B

## CERTIFICATE OF ANALYSIS VA07109372

| Sample Description | Method / Analyte / Units / LOR | ME-ICP41 Ti % 0.01 | ME-ICP41 Tl ppm 10 | ME-ICP41 U ppm 10 | ME-ICP41 V ppm 1 | ME-ICP41 W ppm 10 | ME-ICP41 Zn ppm 2 |
|---|---|---|---|---|---|---|---|
| CC10861 | | 0.11 | <10 | <10 | 72 | <10 | 53 |
| CC10862 | | 0.10 | <10 | <10 | 69 | <10 | 61 |
| CC10863 | | 0.04 | <10 | <10 | 33 | <10 | 38 |
| CC10864 | | 0.07 | <10 | <10 | 50 | <10 | 48 |
| CC10865 | | 0.09 | <10 | <10 | 75 | <10 | 78 |
| CC10866 | | 0.06 | <10 | <10 | 46 | <10 | 57 |
| CC10867 | | 0.05 | <10 | <10 | 39 | <10 | 49 |
| CC10868 | | 0.05 | <10 | <10 | 39 | <10 | 53 |
| CC10869 | | 0.05 | <10 | <10 | 33 | <10 | 64 |
| CC10870 | | 0.05 | <10 | <10 | 45 | <10 | 83 |
| CC10871 | | 0.06 | <10 | <10 | 41 | <10 | 106 |
| CC10872 | | 0.05 | <10 | <10 | 35 | <10 | 86 |
| CC10873 | | 0.05 | <10 | <10 | 31 | <10 | 74 |
| CC10874 | | 0.05 | <10 | <10 | 25 | <10 | 68 |
| CC10875 | | 0.03 | <10 | <10 | 17 | <10 | 55 |
| CC10876 | | 0.03 | <10 | <10 | 23 | <10 | 39 |
| CC10877 | | 0.04 | <10 | <10 | 29 | <10 | 49 |
| CC10878 | | 0.04 | <10 | <10 | 33 | <10 | 47 |
| CC10879 | | 0.03 | <10 | <10 | 27 | <10 | 44 |
| CC10880 | | 0.02 | <10 | <10 | 12 | <10 | 41 |
| CC10881 | | 0.07 | <10 | <10 | 40 | <10 | 67 |
| CC10882 | | 0.09 | <10 | <10 | 52 | <10 | 70 |
| CC10883 | | 0.03 | <10 | <10 | 22 | <10 | 32 |
| CC10884 | | 0.06 | <10 | <10 | 39 | <10 | 32 |
| CC10885 | | 0.07 | <10 | <10 | 65 | <10 | 32 |
| CC10886 | | 0.07 | <10 | <10 | 44 | <10 | 44 |
| CC10887 | | 0.06 | <10 | <10 | 61 | <10 | 51 |
| CC10888 | | 0.07 | <10 | <10 | 55 | <10 | 56 |
| CC10889 | | 0.08 | <10 | <10 | 47 | <10 | 57 |
| CC10890 | | 0.07 | <10 | <10 | 53 | <10 | 39 |
| CC10891 | | 0.04 | <10 | <10 | 26 | <10 | 14 |
| CC10892 | | 0.04 | <10 | <10 | 25 | <10 | 25 |
| CC10893 | | 0.04 | <10 | <10 | 14 | <10 | 17 |
| CC10894 | | 0.04 | <10 | <10 | 29 | <10 | 33 |
| CC10895 | | 0.07 | <10 | <10 | 40 | <10 | 53 |
| CC10896 | | 0.05 | <10 | <10 | 33 | <10 | 35 |
| CC10897 | | 0.04 | <10 | <10 | 39 | <10 | 32 |
| CC10898 | | | | | | | |
| CC10899 | | | | | | | |
| CC10900 | | | | | | | |

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Project: CONNAUGHT-GRID A AND B

## CERTIFICATE OF ANALYSIS VA07109372

| 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 |
| CC10901 | | 0.32 | <0.2 | 1.87 | 11 | <10 | 160 | 0.6 | <2 | 0.17 | <0.5 | 9 | 23 | 18 | 2.86 | 10 |
| CC10902 | | 0.24 | 0.2 | 1.60 | 4 | <10 | 150 | 0.6 | <2 | 0.22 | <0.5 | 4 | 19 | 22 | 1.96 | <10 |
| CC10903 | | 0.28 | 0.2 | 1.69 | 5 | <10 | 130 | 0.5 | <2 | 0.27 | <0.5 | 6 | 19 | 14 | 2.28 | 10 |
| CC10904 | | 0.32 | <0.2 | 1.54 | 7 | <10 | 110 | <0.5 | <2 | 0.23 | <0.5 | 7 | 19 | 10 | 2.22 | 10 |
| CC10905 | | 0.18 | <0.2 | 1.41 | 29 | <10 | 130 | 0.5 | <2 | 0.23 | 0.5 | 10 | 24 | 13 | 2.79 | 10 |
| CC10907 | | 0.26 | <0.2 | 1.32 | 19 | <10 | 140 | 0.7 | 2 | 0.27 | <0.5 | 7 | 20 | 14 | 2.47 | 10 |
| CC10908 | | 0.16 | <0.2 | 0.85 | 7 | <10 | 60 | <0.5 | <2 | 0.07 | <0.5 | 3 | 10 | 6 | 1.53 | <10 |
| CC10909 | | 0.18 | 0.2 | 0.48 | <2 | <10 | 50 | <0.5 | <2 | 0.07 | <0.5 | 2 | 7 | 8 | 0.81 | <10 |
| CC10910 | | 0.16 | 0.5 | 1.03 | 4 | <10 | 60 | <0.5 | <2 | 0.06 | <0.5 | 2 | 9 | 9 | 1.24 | 10 |
| CC10911 | | 0.14 | 0.2 | 0.79 | 2 | <10 | 40 | <0.5 | <2 | 0.06 | <0.5 | 3 | 8 | 10 | 1.24 | <10 |
| CC10912 | | 0.12 | 0.3 | 1.36 | 11 | <10 | 140 | 0.6 | <2 | 0.18 | <0.5 | 4 | 18 | 14 | 1.83 | 10 |
| CC10913 | | 0.18 | 0.3 | 1.08 | 10 | <10 | 70 | <0.5 | <2 | 0.07 | <0.5 | 6 | 11 | 7 | 1.66 | 10 |
| CC10914 | | 0.18 | <0.2 | 1.95 | 7 | <10 | 130 | 1.1 | <2 | 0.26 | <0.5 | 11 | 30 | 15 | 3.42 | 10 |
| CC10915 | | 0.18 | 0.2 | 0.60 | <2 | <10 | 50 | <0.5 | <2 | 0.07 | <0.5 | 2 | 6 | 5 | 0.91 | <10 |
| CC10916 | | 0.20 | <0.2 | 2.81 | 10 | <10 | 110 | 1.1 | 2 | 0.17 | <0.5 | 10 | 33 | 15 | 3.74 | 10 |
| CC10917 | | 0.18 | <0.2 | 2.11 | 9 | <10 | 80 | 1.1 | <2 | 0.17 | <0.5 | 8 | 30 | 17 | 3.27 | 10 |
| CC10918 | | 0.20 | 0.2 | 2.64 | 17 | <10 | 120 | 1.4 | <2 | 0.14 | <0.5 | 10 | 30 | 14 | 3.58 | 10 |
| CC10919 | | 0.22 | <0.2 | 1.98 | 14 | <10 | 110 | 1.0 | 2 | 0.24 | <0.5 | 9 | 29 | 16 | 3.40 | 10 |
| CC10920 | | 0.22 | 0.2 | 1.89 | 11 | <10 | 180 | 1.2 | 4 | 0.23 | <0.5 | 6 | 26 | 14 | 3.35 | 10 |
| CC10921 | | 0.24 | 0.2 | 2.82 | 22 | <10 | 280 | 1.8 | 5 | 0.30 | <0.5 | 11 | 36 | 21 | 4.50 | 10 |
| CC10922 | | 0.24 | 0.2 | 2.45 | 34 | <10 | 210 | 1.2 | 3 | 0.25 | <0.5 | 10 | 34 | 18 | 3.59 | 10 |
| CC10923 | | 0.24 | 0.2 | 1.91 | 18 | <10 | 160 | 0.8 | 3 | 0.20 | <0.5 | 7 | 25 | 12 | 2.76 | 10 |
| CC10924 | | 0.16 | 0.3 | 1.44 | 15 | <10 | 140 | 0.6 | <2 | 0.16 | <0.5 | 7 | 19 | 11 | 1.97 | 10 |
| CC10925 | | 0.18 | 0.2 | 1.39 | 14 | <10 | 110 | <0.5 | <2 | 0.12 | <0.5 | 4 | 18 | 9 | 1.83 | 10 |
| CC10926 | | 0.26 | 0.4 | 1.23 | 29 | <10 | 80 | <0.5 | <2 | 0.17 | <0.5 | 3 | 18 | 8 | 1.67 | 10 |
| CC10927 | | 0.30 | 0.5 | 1.15 | 27 | <10 | 80 | <0.5 | <2 | 0.17 | <0.5 | 4 | 17 | 7 | 1.51 | 10 |
| CC10928 | | 0.16 | 0.6 | 1.30 | 20 | <10 | 90 | <0.5 | <2 | 0.16 | <0.5 | 4 | 20 | 8 | 1.56 | <10 |
| CC10929 | | 0.24 | 0.5 | 1.37 | 25 | <10 | 110 | <0.5 | <2 | 0.19 | <0.5 | 5 | 21 | 9 | 2.00 | 10 |
| CC10930 | | 0.22 | 0.5 | 1.27 | 28 | <10 | 90 | <0.5 | 3 | 0.17 | <0.5 | 4 | 18 | 9 | 1.80 | <10 |
| CC10931 | | 0.22 | 0.4 | 1.30 | 29 | <10 | 90 | <0.5 | 2 | 0.17 | <0.5 | 4 | 19 | 9 | 1.93 | <10 |
| CC10932 | | 0.32 | 0.4 | 1.13 | 30 | <10 | 80 | <0.5 | <2 | 0.17 | <0.5 | 4 | 16 | 9 | 1.78 | 10 |
| CC10933 | | 0.32 | 0.4 | 1.21 | 31 | <10 | 80 | <0.5 | <2 | 0.15 | 0.5 | 5 | 20 | 11 | 1.88 | 10 |
| CC10934 | | 0.04 | <0.2 | 1.80 | 8 | <10 | 160 | 0.5 | <2 | 0.25 | <0.5 | 6 | 20 | 17 | 2.27 | 10 |
| CC10935 | | 0.22 | 0.4 | 2.21 | 7 | <10 | 200 | 0.8 | <2 | 0.59 | <0.5 | 8 | 21 | 18 | 2.38 | 10 |
| CC10936 | | 0.12 | 0.2 | 1.76 | 12 | <10 | 140 | 0.6 | <2 | 0.26 | <0.5 | 7 | 18 | 14 | 2.68 | 10 |
| CC10937 | | 0.20 | 0.3 | 1.24 | 37 | <10 | 100 | <0.5 | <2 | 0.18 | 0.7 | 6 | 20 | 10 | 2.12 | 10 |
| CC10938 | | 0.18 | 0.4 | 1.38 | 46 | <10 | 80 | <0.5 | 2 | 0.13 | 0.5 | 5 | 23 | 10 | 2.30 | 10 |
| CC10939 | | 0.10 | 0.7 | 1.18 | 23 | <10 | 120 | 0.5 | <2 | 0.17 | 0.6 | 4 | 15 | 18 | 2.04 | <10 |
| CC10940 | | 0.24 | 0.3 | 1.11 | 23 | <10 | 70 | <0.5 | <2 | 0.15 | <0.5 | 4 | 16 | 7 | 1.52 | 10 |
| CC10941 | | 0.14 | 0.5 | 1.17 | 37 | <10 | 100 | <0.5 | <2 | 0.16 | <0.5 | 4 | 19 | 8 | 1.90 | 10 |

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Project: CONNAUGHT-GRID A AND B



## CERTIFICATE OF ANALYSIS VA07109372

| 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 |
| CC10901 | | <1 | 0.08 | 20 | 0.50 | 456 | 1 | 0.01 | 13 | 330 | 28 | 0.02 | 3 | 4 | 15 | <20 |
| CC10902 | | <1 | 0.09 | 40 | 0.45 | 220 | 1 | 0.01 | 14 | 380 | 32 | 0.03 | 2 | 3 | 19 | <20 |
| CC10903 | | <1 | 0.14 | 30 | 0.65 | 306 | 1 | 0.01 | 12 | 320 | 23 | 0.02 | 3 | 3 | 19 | <20 |
| CC10904 | | <1 | 0.08 | 20 | 0.52 | 220 | 1 | 0.02 | 10 | 190 | 18 | 0.01 | <2 | 2 | 17 | <20 |
| CC10905 | | <1 | 0.10 | 20 | 0.42 | 650 | 1 | 0.02 | 17 | 600 | 47 | 0.03 | 4 | 3 | 17 | <20 |
| CC10907 | | <1 | 0.16 | 40 | 0.35 | 406 | 1 | 0.02 | 13 | 580 | 29 | 0.03 | 2 | 3 | 18 | <20 |
| CC10908 | | <1 | 0.05 | 10 | 0.17 | 135 | 1 | 0.03 | 6 | 240 | 7 | 0.02 | <2 | 1 | 8 | <20 |
| CC10909 | | <1 | 0.02 | <10 | 0.04 | 37 | <1 | 0.03 | 3 | 340 | 11 | 0.04 | 2 | <1 | 11 | <20 |
| CC10910 | | <1 | 0.04 | 10 | 0.07 | 102 | 1 | 0.02 | 4 | 290 | 9 | 0.03 | 3 | 1 | 8 | <20 |
| CC10911 | | <1 | 0.04 | 10 | 0.10 | 77 | 1 | 0.03 | 4 | 270 | 7 | 0.03 | 3 | 1 | 8 | <20 |
| CC10912 | | <1 | 0.10 | 60 | 0.23 | 131 | 1 | 0.03 | 12 | 320 | 16 | 0.03 | 3 | 2 | 20 | <20 |
| CC10913 | | <1 | 0.05 | 20 | 0.14 | 296 | 2 | 0.03 | 6 | 230 | 13 | 0.02 | 2 | 2 | 9 | <20 |
| CC10914 | | <1 | 0.28 | 20 | 0.67 | 488 | 1 | 0.02 | 18 | 430 | 12 | 0.01 | <2 | 4 | 18 | <20 |
| CC10915 | | <1 | 0.04 | 10 | 0.08 | 48 | 1 | 0.03 | 4 | 230 | 5 | 0.02 | 2 | 1 | 10 | <20 |
| CC10916 | | <1 | 0.13 | 20 | 0.58 | 292 | 1 | 0.02 | 22 | 390 | 13 | 0.02 | 3 | 4 | 14 | <20 |
| CC10917 | | <1 | 0.26 | 30 | 0.57 | 230 | 1 | 0.01 | 16 | 350 | 12 | 0.02 | 2 | 4 | 12 | 20 |
| CC10918 | | <1 | 0.18 | 50 | 0.53 | 362 | 2 | 0.01 | 18 | 430 | 19 | 0.02 | 5 | 4 | 13 | 20 |
| CC10919 | | <1 | 0.20 | 40 | 0.54 | 360 | 2 | 0.02 | 17 | 640 | 20 | 0.03 | <2 | 4 | 17 | <20 |
| CC10920 | | <1 | 0.35 | 70 | 0.61 | 285 | 2 | 0.03 | 13 | 520 | 16 | 0.05 | 4 | 4 | 19 | <20 |
| CC10921 | | <1 | 0.34 | 70 | 0.79 | 633 | 3 | 0.08 | 19 | 710 | 27 | 0.06 | 5 | 6 | 27 | <20 |
| CC10922 | | <1 | 0.16 | 50 | 0.57 | 463 | 2 | 0.02 | 20 | 660 | 46 | 0.04 | 3 | 5 | 22 | <20 |
| CC10923 | | <1 | 0.12 | 40 | 0.41 | 258 | 2 | 0.03 | 14 | 640 | 24 | 0.04 | 2 | 4 | 18 | <20 |
| CC10924 | | <1 | 0.08 | 40 | 0.29 | 206 | 1 | 0.02 | 11 | 650 | 19 | 0.05 | 4 | 3 | 16 | <20 |
| CC10925 | | <1 | 0.07 | 30 | 0.26 | 142 | 1 | 0.02 | 9 | 520 | 30 | 0.04 | <2 | 2 | 13 | <20 |
| CC10926 | | <1 | 0.08 | 30 | 0.27 | 105 | 1 | 0.01 | 8 | 530 | 98 | 0.03 | 14 | 2 | 13 | <20 |
| CC10927 | | <1 | 0.07 | 20 | 0.27 | 112 | 1 | 0.01 | 9 | 490 | 116 | 0.03 | 9 | 2 | 13 | <20 |
| CC10928 | | <1 | 0.07 | 20 | 0.30 | 105 | 1 | 0.02 | 9 | 470 | 119 | 0.03 | 3 | 2 | 13 | <20 |
| CC10929 | | <1 | 0.08 | 30 | 0.34 | 122 | 1 | 0.02 | 10 | 580 | 112 | 0.03 | 2 | 3 | 15 | <20 |
| CC10930 | | <1 | 0.07 | 20 | 0.30 | 113 | 1 | 0.05 | 11 | 520 | 107 | 0.03 | 3 | 2 | 14 | <20 |
| CC10931 | | <1 | 0.07 | 20 | 0.33 | 119 | 1 | 0.03 | 11 | 470 | 89 | 0.03 | 2 | 2 | 14 | <20 |
| CC10932 | | <1 | 0.08 | 20 | 0.29 | 116 | 1 | 0.02 | 8 | 550 | 98 | 0.02 | 4 | 2 | 12 | <20 |
| CC10933 | | <1 | 0.07 | 20 | 0.32 | 132 | 2 | <0.01 | 10 | 510 | 94 | 0.01 | 2 | 2 | 11 | <20 |
| CC10934 | | <1 | 0.09 | 30 | 0.55 | 403 | 1 | <0.01 | 14 | 320 | 30 | 0.01 | 2 | 3 | 20 | <20 |
| CC10935 | | <1 | 0.12 | 30 | 0.49 | 556 | 2 | <0.01 | 13 | 490 | 32 | 0.02 | <2 | 3 | 36 | <20 |
| CC10936 | | <1 | 0.11 | 20 | 0.52 | 473 | 2 | <0.01 | 11 | 420 | 37 | 0.02 | 2 | 3 | 20 | <20 |
| CC10937 | | <1 | 0.07 | 20 | 0.38 | 282 | 1 | <0.01 | 11 | 530 | 88 | <0.01 | 3 | 2 | 14 | <20 |
| CC10938 | | 1 | 0.07 | 20 | 0.35 | 148 | 1 | 0.01 | 11 | 530 | 120 | 0.01 | 5 | 2 | 11 | <20 |
| CC10939 | | <1 | 0.05 | 40 | 0.21 | 160 | 1 | 0.02 | 10 | 810 | 163 | 0.06 | 2 | 2 | 16 | <20 |
| CC10940 | | <1 | 0.07 | 20 | 0.27 | 119 | 1 | <0.01 | 8 | 490 | 82 | 0.01 | <2 | 2 | 11 | <20 |
| CC10941 | | <1 | 0.06 | 20 | 0.28 | 225 | 1 | 0.01 | 8 | 630 | 123 | 0.05 | 2 | 2 | 15 | <20 |

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Finalized Date: 29-OCT-2007
Account: RCM

Project: CONNAUGHT-GRID A AND B

## CERTIFICATE OF ANALYSIS VA07109372

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC10901 | | 0.07 | <10 | <10 | 49 | <10 | 106 |
| CC10902 | | 0.06 | <10 | <10 | 34 | <10 | 72 |
| CC10903 | | 0.09 | <10 | <10 | 39 | <10 | 74 |
| CC10904 | | 0.09 | <10 | <10 | 45 | <10 | 53 |
| CC10905 | | 0.09 | <10 | <10 | 56 | <10 | 87 |
| CC10907 | | 0.09 | <10 | <10 | 43 | <10 | 61 |
| CC10908 | | 0.07 | <10 | <10 | 37 | <10 | 26 |
| CC10909 | | 0.03 | <10 | <10 | 23 | <10 | 15 |
| CC10910 | | 0.05 | <10 | <10 | 35 | <10 | 22 |
| CC10911 | | 0.05 | <10 | <10 | 28 | <10 | 23 |
| CC10912 | | 0.07 | <10 | <10 | 39 | <10 | 45 |
| CC10913 | | 0.05 | <10 | <10 | 38 | <10 | 28 |
| CC10914 | | 0.14 | <10 | <10 | 64 | <10 | 62 |
| CC10915 | | 0.04 | <10 | <10 | 22 | <10 | 13 |
| CC10916 | | 0.12 | <10 | <10 | 69 | <10 | 66 |
| CC10917 | | 0.13 | <10 | <10 | 60 | <10 | 52 |
| CC10918 | | 0.09 | <10 | <10 | 58 | <10 | 63 |
| CC10919 | | 0.10 | <10 | <10 | 59 | <10 | 71 |
| CC10920 | | 0.10 | <10 | <10 | 50 | <10 | 62 |
| CC10921 | | 0.11 | <10 | <10 | 72 | <10 | 89 |
| CC10922 | | 0.08 | <10 | <10 | 65 | <10 | 83 |
| CC10923 | | 0.07 | <10 | <10 | 55 | <10 | 64 |
| CC10924 | | 0.05 | <10 | <10 | 35 | <10 | 46 |
| CC10925 | | 0.05 | <10 | <10 | 32 | <10 | 42 |
| CC10926 | | 0.06 | <10 | <10 | 29 | <10 | 59 |
| CC10927 | | 0.06 | <10 | <10 | 29 | <10 | 55 |
| CC10928 | | 0.06 | <10 | <10 | 28 | <10 | 56 |
| CC10929 | | 0.06 | <10 | <10 | 34 | <10 | 64 |
| CC10930 | | 0.06 | <10 | <10 | 33 | <10 | 66 |
| CC10931 | | 0.06 | <10 | <10 | 33 | <10 | 67 |
| CC10932 | | 0.06 | <10 | <10 | 32 | <10 | 61 |
| CC10933 | | 0.05 | <10 | <10 | 33 | <10 | 71 |
| CC10934 | | 0.07 | 10 | <10 | 43 | <10 | 72 |
| CC10935 | | 0.06 | <10 | <10 | 41 | <10 | 67 |
| CC10936 | | 0.06 | <10 | <10 | 42 | <10 | 62 |
| CC10937 | | 0.06 | <10 | <10 | 43 | <10 | 98 |
| CC10938 | | 0.06 | <10 | <10 | 47 | <10 | 86 |
| CC10939 | | 0.04 | <10 | <10 | 22 | <10 | 56 |
| CC10940 | | 0.05 | <10 | <10 | 26 | <10 | 72 |
| CC10941 | | 0.05 | <10 | <10 | 34 | <10 | 75 |

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| 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 |
| CC10942 | | 0.24 | 0.2 | 1.03 | 38 | <10 | 50 | <0.5 | <2 | 0.14 | <0.5 | 3 | 16 | 6 | 1.50 | <10 |
| CC10943 | | 0.12 | 0.4 | 0.99 | 41 | <10 | 100 | <0.5 | <2 | 0.16 | <0.5 | 3 | 16 | 9 | 1.73 | 10 |
| CC10944 | | 0.14 | 0.5 | 1.17 | 48 | <10 | 80 | <0.5 | <2 | 0.15 | 0.5 | 4 | 23 | 9 | 1.63 | <10 |
| CC10945 | | 0.16 | 0.3 | 1.17 | 25 | <10 | 100 | <0.5 | <2 | 0.16 | <0.5 | 5 | 22 | 7 | 1.41 | 10 |
| CC10946 | | 0.22 | 0.2 | 1.48 | 19 | <10 | 120 | 0.5 | <2 | 0.16 | 0.5 | 5 | 22 | 9 | 2.11 | 10 |
| CC10947 | | 0.12 | 0.2 | 1.48 | 16 | <10 | 130 | 0.5 | <2 | 0.16 | <0.5 | 7 | 22 | 10 | 2.00 | 10 |
| CC10948 | | 0.18 | 0.2 | 1.72 | 22 | <10 | 170 | 0.9 | <2 | 0.22 | 0.5 | 11 | 29 | 12 | 2.58 | 10 |
| CC10949 | | 0.12 | <0.2 | 0.70 | 4 | <10 | 100 | <0.5 | <2 | 0.10 | <0.5 | 2 | 10 | 7 | 0.90 | <10 |
| CC10950 | | 0.12 | 0.3 | 1.92 | 19 | <10 | 190 | 1.4 | 2 | 0.38 | 0.8 | 6 | 24 | 19 | 2.80 | 10 |
| CC10951 | | 0.12 | <0.2 | 0.65 | 5 | <10 | 60 | <0.5 | <2 | 0.05 | <0.5 | 2 | 8 | 5 | 0.99 | <10 |
| CC10952 | | 0.16 | <0.2 | 1.93 | 22 | <10 | 130 | 0.5 | <2 | 0.11 | 0.7 | 8 | 26 | 15 | 3.21 | 10 |
| CC10953 | | 0.18 | <0.2 | 1.79 | 14 | <10 | 210 | 0.6 | <2 | 0.12 | 0.6 | 7 | 24 | 15 | 2.79 | 10 |
| CC10954 | | 0.16 | <0.2 | 0.61 | <2 | <10 | 30 | <0.5 | <2 | 0.04 | <0.5 | 2 | 5 | 2 | 0.87 | <10 |
| CC10955 | | 0.12 | 0.2 | 0.64 | <2 | <10 | 60 | <0.5 | <2 | 0.07 | 0.6 | 3 | 8 | 7 | 1.05 | <10 |
| CC10956 | | 0.14 | <0.2 | 0.43 | 5 | <10 | 40 | <0.5 | <2 | 0.04 | 0.6 | 1 | 6 | 6 | 0.66 | <10 |
| CC10957 | | 0.30 | <0.2 | 2.35 | 14 | <10 | 160 | 0.7 | 3 | 0.13 | 0.6 | 8 | 31 | 16 | 3.80 | 10 |
| CC10958 | | 0.14 | <0.2 | 0.56 | <2 | <10 | 20 | <0.5 | <2 | 0.05 | <0.5 | 1 | 3 | 3 | 0.61 | <10 |
| CC10959 | | 0.20 | 0.7 | 2.38 | 34 | <10 | 90 | 0.6 | <2 | 0.10 | 0.6 | 5 | 29 | 12 | 3.19 | 10 |
| CC10960 | | 0.14 | 0.4 | 1.61 | 15 | <10 | 90 | <0.5 | <2 | 0.06 | <0.5 | 1 | 13 | 19 | 1.54 | 10 |
| CC10961 | | 0.10 | 1.8 | 1.03 | 58 | <10 | 70 | 0.5 | <2 | 0.10 | 0.7 | 3 | 11 | 13 | 1.56 | <10 |
| CC10962 | | 0.20 | 0.4 | 0.32 | <2 | <10 | 20 | <0.5 | <2 | 0.04 | <0.5 | 1 | 3 | 3 | 0.59 | <10 |
| CC10963 | | 0.34 | 0.8 | 2.16 | 121 | <10 | 150 | 1.1 | <2 | 0.25 | 0.9 | 11 | 30 | 23 | 3.85 | 10 |
| CC10964 | | 0.28 | 0.8 | 1.64 | 41 | <10 | 110 | <0.5 | <2 | 0.18 | <0.5 | 4 | 22 | 15 | 3.03 | 10 |
| CC10965 | | 0.26 | 2.7 | 1.43 | 96 | <10 | 100 | <0.5 | <2 | 0.24 | 0.6 | 4 | 19 | 8 | 1.96 | 10 |
| CC10966 | | 0.32 | 0.3 | 1.91 | 9 | <10 | 110 | 0.5 | <2 | 0.15 | <0.5 | 6 | 18 | 21 | 2.81 | 10 |
| CC10967 | | 0.22 | 0.8 | 1.93 | 7 | <10 | 130 | 0.8 | <2 | 0.18 | <0.5 | 4 | 16 | 14 | 2.07 | 10 |
| CC10968 | | 0.36 | 0.4 | 1.46 | 2 | <10 | 100 | 0.5 | <2 | 0.16 | <0.5 | 5 | 18 | 28 | 2.08 | <10 |
| CC10969 | | 0.36 | <0.2 | 1.35 | 12 | <10 | 90 | 0.5 | <2 | 0.18 | <0.5 | 4 | 15 | 20 | 2.05 | <10 |
| CC10970 | | 0.34 | 0.2 | 2.02 | 5 | <10 | 120 | 1.2 | 2 | 0.24 | <0.5 | 5 | 17 | 36 | 2.59 | 10 |
| CC10971 | | 0.26 | <0.2 | 1.22 | 6 | <10 | 60 | 0.6 | <2 | 0.07 | <0.5 | 4 | 6 | 12 | 1.86 | <10 |
| CC10972 | | 0.30 | <0.2 | 1.92 | 5 | <10 | 160 | 0.6 | 3 | 0.35 | <0.5 | 7 | 20 | 16 | 2.72 | 10 |
| CC10973 | | 0.24 | 0.2 | 1.71 | 5 | <10 | 190 | 0.6 | 2 | 0.73 | <0.5 | 7 | 18 | 25 | 2.23 | <10 |
| CC10974 | | 0.18 | 0.4 | 1.48 | 40 | <10 | 90 | <0.5 | 6 | 0.15 | 0.5 | 7 | 22 | 11 | 2.59 | 10 |
| CC10975 | | 0.24 | 0.7 | 1.65 | 29 | <10 | 150 | 0.6 | 5 | 0.23 | <0.5 | 7 | 23 | 14 | 2.61 | 10 |
| CC10976 | | 0.16 | <0.2 | 0.47 | 3 | <10 | 30 | <0.5 | 2 | 0.10 | <0.5 | 1 | 5 | 4 | 0.77 | <10 |
| CC10977 | | 0.20 | <0.2 | 1.32 | 19 | <10 | 110 | 0.6 | 3 | 0.20 | <0.5 | 6 | 19 | 13 | 2.48 | <10 |
| CC10978 | | 0.12 | 0.2 | 0.97 | 8 | <10 | 50 | <0.5 | 2 | 0.05 | <0.5 | 3 | 13 | 10 | 1.58 | 10 |
| CC10979 | | 0.14 | 0.2 | 1.97 | 18 | <10 | 110 | 0.7 | 3 | 0.11 | <0.5 | 6 | 25 | 14 | 2.92 | 10 |
| CC10980 | | 0.10 | 0.2 | 0.34 | <2 | <10 | 30 | <0.5 | <2 | 0.05 | <0.5 | 1 | 4 | 4 | 0.60 | <10 |
| CC10981 | | 0.12 | 0.2 | 2.79 | 31 | <10 | 210 | 1.3 | 4 | 0.25 | <0.5 | 8 | 33 | 20 | 4.24 | 10 |

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Finalized Date: 29-OCT-2007
Account: RCM

Project: CONNAUGHT-GRID A AND B

## CERTIFICATE OF ANALYSIS VA07109372

| 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 |
| CC10942 | | <1 | 0.07 | 20 | 0.27 | 107 | 1 | <0.01 | 8 | 420 | 111 | <0.01 | <2 | 2 | 10 | <20 |
| CC10943 | | <1 | 0.06 | 30 | 0.22 | 110 | 1 | <0.01 | 7 | 560 | 138 | 0.06 | 3 | 2 | 16 | <20 |
| CC10944 | | <1 | 0.07 | 20 | 0.31 | 115 | 1 | <0.01 | 10 | 580 | 116 | 0.02 | 2 | 2 | 13 | <20 |
| CC10945 | | <1 | 0.06 | 20 | 0.30 | 140 | 1 | <0.01 | 9 | 390 | 59 | 0.02 | <2 | 2 | 16 | <20 |
| CC10946 | | 1 | 0.08 | 30 | 0.36 | 167 | 1 | <0.01 | 10 | 560 | 30 | 0.01 | 2 | 3 | 14 | <20 |
| CC10947 | | 1 | 0.07 | 30 | 0.33 | 213 | 1 | <0.01 | 11 | 550 | 31 | 0.03 | <2 | 2 | 17 | <20 |
| CC10948 | | <1 | 0.11 | 40 | 0.43 | 479 | 1 | <0.01 | 14 | 680 | 34 | 0.03 | <2 | 4 | 19 | <20 |
| CC10949 | | <1 | 0.05 | 30 | 0.08 | 95 | 1 | <0.01 | 5 | 580 | 14 | 0.04 | <2 | 1 | 12 | <20 |
| CC10950 | | <1 | 0.13 | 110 | 0.38 | 290 | 2 | <0.01 | 17 | 850 | 44 | 0.06 | <2 | 3 | 34 | <20 |
| CC10951 | | <1 | 0.04 | 10 | 0.08 | 64 | 1 | <0.01 | 3 | 240 | 7 | <0.01 | <2 | 1 | 8 | <20 |
| CC10952 | | 1 | 0.09 | 20 | 0.35 | 369 | 2 | <0.01 | 13 | 360 | 17 | <0.01 | 2 | 3 | 14 | <20 |
| CC10953 | | <1 | 0.09 | 30 | 0.36 | 532 | 2 | <0.01 | 15 | 540 | 20 | <0.01 | <2 | 3 | 14 | <20 |
| CC10954 | | <1 | 0.03 | 10 | 0.08 | 115 | <1 | <0.01 | 2 | 170 | 5 | <0.01 | <2 | 1 | 6 | <20 |
| CC10955 | | <1 | 0.04 | 20 | 0.09 | 167 | <1 | <0.01 | 4 | 330 | 10 | <0.01 | <2 | 1 | 9 | <20 |
| CC10956 | | <1 | 0.03 | 10 | 0.05 | 42 | 1 | <0.01 | 2 | 360 | 13 | 0.01 | <2 | <1 | 8 | <20 |
| CC10957 | | <1 | 0.09 | 30 | 0.37 | 328 | 2 | <0.01 | 17 | 320 | 21 | <0.01 | 2 | 4 | 16 | <20 |
| CC10958 | | <1 | 0.02 | <10 | 0.04 | 33 | <1 | <0.01 | 1 | 200 | 3 | <0.01 | <2 | <1 | 7 | <20 |
| CC10959 | | 1 | 0.07 | 20 | 0.33 | 250 | 1 | <0.01 | 12 | 450 | 235 | 0.01 | 10 | 3 | 13 | <20 |
| CC10960 | | <1 | 0.04 | 20 | 0.07 | 72 | 1 | <0.01 | 5 | 460 | 40 | 0.03 | 2 | 1 | 13 | <20 |
| CC10961 | | <1 | 0.06 | 40 | 0.11 | 77 | 1 | <0.01 | 5 | 600 | 261 | 0.06 | <2 | 1 | 14 | <20 |
| CC10962 | | <1 | 0.02 | <10 | 0.04 | 29 | <1 | <0.01 | 1 | 180 | 28 | <0.01 | <2 | <1 | 7 | <20 |
| CC10963 | | <1 | 0.14 | 60 | 0.52 | 751 | 3 | <0.01 | 18 | 700 | 259 | 0.02 | 6 | 5 | 24 | 20 |
| CC10964 | | 1 | 0.07 | 20 | 0.37 | 121 | 2 | <0.01 | 11 | 470 | 168 | 0.01 | 4 | 3 | 17 | <20 |
| CC10965 | | 1 | 0.06 | 30 | 0.30 | 96 | 1 | <0.01 | 9 | 580 | 566 | 0.02 | 8 | 2 | 20 | <20 |
| CC10966 | | <1 | 0.11 | 30 | 0.68 | 259 | 2 | <0.01 | 11 | 500 | 77 | <0.01 | 2 | 3 | 16 | <20 |
| CC10967 | | 1 | 0.14 | 40 | 0.44 | 441 | 2 | <0.01 | 8 | 600 | 65 | 0.03 | <2 | 2 | 18 | <20 |
| CC10968 | | 1 | 0.09 | 40 | 0.48 | 279 | 2 | <0.01 | 12 | 360 | 59 | <0.01 | <2 | 3 | 14 | 20 |
| CC10969 | | <1 | 0.11 | 30 | 0.59 | 478 | 1 | 0.01 | 9 | 190 | 28 | 0.01 | 2 | 2 | 14 | <20 |
| CC10970 | | 1 | 0.18 | 70 | 0.82 | 1140 | 1 | 0.01 | 13 | 220 | 42 | 0.02 | 2 | 4 | 19 | 20 |
| CC10971 | | <1 | 0.24 | 40 | 0.56 | 681 | 1 | 0.01 | 4 | 290 | 45 | 0.01 | 3 | 1 | 10 | <20 |
| CC10972 | | <1 | 0.12 | 40 | 0.87 | 423 | 1 | 0.01 | 13 | 340 | 30 | 0.02 | 2 | 3 | 22 | <20 |
| CC10973 | | <1 | 0.09 | 30 | 0.66 | 678 | 1 | 0.01 | 13 | 500 | 31 | 0.05 | <2 | 3 | 40 | <20 |
| CC10974 | | <1 | 0.08 | 20 | 0.34 | 331 | 1 | 0.01 | 14 | 530 | 65 | 0.03 | 3 | 3 | 12 | <20 |
| CC10975 | | <1 | 0.08 | 30 | 0.39 | 475 | 1 | 0.01 | 16 | 700 | 56 | 0.03 | 4 | 3 | 18 | <20 |
| CC10976 | | <1 | 0.02 | 10 | 0.07 | 42 | <1 | 0.03 | 2 | 380 | 10 | 0.03 | 2 | <1 | 11 | <20 |
| CC10977 | | <1 | 0.11 | 20 | 0.33 | 261 | 1 | 0.01 | 14 | 520 | 32 | 0.01 | 3 | 3 | 13 | <20 |
| CC10978 | | <1 | 0.05 | 10 | 0.16 | 101 | 1 | 0.01 | 8 | 300 | 11 | 0.03 | <2 | 1 | 7 | <20 |
| CC10979 | | <1 | 0.10 | 30 | 0.35 | 240 | 2 | 0.01 | 15 | 360 | 16 | 0.02 | 3 | 3 | 12 | <20 |
| CC10980 | | <1 | 0.03 | 10 | 0.03 | 30 | <1 | 0.02 | 3 | 260 | 5 | 0.03 | <2 | <1 | 9 | <20 |
| CC10981 | | 1 | 0.15 | 70 | 0.51 | 402 | 3 | 0.01 | 21 | 410 | 28 | 0.02 | <2 | 5 | 25 | 20 |

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Finalized Date: 29-OCT-2007
Account: RCM

Project: CONNAUGHT-GRID A AND B

# CERTIFICATE OF ANALYSIS VA07109372

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC10942 | | 0.05 | <10 | <10 | 26 | <10 | 83 |
| CC10943 | | 0.05 | <10 | <10 | 25 | <10 | 76 |
| CC10944 | | 0.06 | <10 | <10 | 28 | <10 | 88 |
| CC10945 | | 0.05 | <10 | <10 | 24 | <10 | 71 |
| CC10946 | | 0.06 | <10 | <10 | 41 | <10 | 58 |
| CC10947 | | 0.05 | <10 | <10 | 40 | <10 | 53 |
| CC10948 | | 0.07 | <10 | <10 | 51 | <10 | 64 |
| CC10949 | | 0.02 | <10 | <10 | 20 | <10 | 21 |
| CC10950 | | 0.05 | <10 | <10 | 48 | <10 | 70 |
| CC10951 | | 0.04 | <10 | <10 | 25 | <10 | 16 |
| CC10952 | | 0.08 | <10 | <10 | 72 | <10 | 58 |
| CC10953 | | 0.08 | <10 | <10 | 60 | <10 | 68 |
| CC10954 | | 0.04 | 10 | <10 | 21 | <10 | 13 |
| CC10955 | | 0.03 | <10 | <10 | 22 | <10 | 29 |
| CC10956 | | 0.02 | <10 | <10 | 16 | <10 | 20 |
| CC10957 | | 0.09 | <10 | <10 | 83 | <10 | 71 |
| CC10958 | | 0.03 | 10 | <10 | 14 | <10 | 9 |
| CC10959 | | 0.07 | <10 | <10 | 60 | <10 | 58 |
| CC10960 | | 0.04 | <10 | <10 | 36 | <10 | 28 |
| CC10961 | | 0.03 | <10 | <10 | 26 | <10 | 47 |
| CC10962 | | 0.02 | <10 | <10 | 14 | <10 | 10 |
| CC10963 | | 0.08 | <10 | <10 | 56 | <10 | 184 |
| CC10964 | | 0.06 | <10 | <10 | 41 | <10 | 82 |
| CC10965 | | 0.05 | <10 | <10 | 36 | <10 | 81 |
| CC10966 | | 0.05 | <10 | <10 | 43 | <10 | 101 |
| CC10967 | | 0.04 | <10 | <10 | 28 | <10 | 103 |
| CC10968 | | 0.07 | <10 | <10 | 33 | <10 | 115 |
| CC10969 | | 0.07 | <10 | <10 | 29 | <10 | 195 |
| CC10970 | | 0.08 | <10 | <10 | 33 | <10 | 110 |
| CC10971 | | 0.06 | <10 | <10 | 18 | <10 | 77 |
| CC10972 | | 0.09 | <10 | <10 | 47 | <10 | 79 |
| CC10973 | | 0.06 | <10 | <10 | 37 | <10 | 89 |
| CC10974 | | 0.08 | <10 | <10 | 51 | <10 | 80 |
| CC10975 | | 0.08 | <10 | <10 | 50 | <10 | 77 |
| CC10976 | | 0.04 | <10 | <10 | 18 | <10 | 12 |
| CC10977 | | 0.08 | <10 | <10 | 40 | <10 | 58 |
| CC10978 | | 0.05 | <10 | <10 | 36 | <10 | 29 |
| CC10979 | | 0.08 | <10 | <10 | 54 | <10 | 56 |
| CC10980 | | 0.02 | <10 | <10 | 15 | <10 | 13 |
| CC10981 | | 0.07 | <10 | <10 | 78 | <10 | 98 |

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VANCOUVER BC V6B 1L8


Finalized Date: 29-OCT-2007
Account: RCM

Project: CONNAUGHT-GRID A AND B

# CERTIFICATE OF ANALYSIS VA07109372

| 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 |
| CC10982 | | 0.16 | 0.3 | 1.03 | 5 | <10 | 70 | <0.5 | 2 | 0.09 | <0.5 | 4 | 11 | 8 | 1.74 | 10 |
| CC10983 | | 0.16 | 0.2 | 0.57 | <2 | <10 | 80 | <0.5 | <2 | 0.05 | <0.5 | 2 | 6 | 7 | 0.80 | <10 |
| CC10984 | | 0.10 | <0.2 | 0.67 | <2 | <10 | 40 | <0.5 | <2 | 0.05 | <0.5 | 2 | 6 | 6 | 0.93 | <10 |
| CC10985 | | 0.18 | 0.3 | 3.39 | 19 | <10 | 270 | 1.9 | 5 | 0.44 | <0.5 | 11 | 44 | 33 | 4.61 | 10 |
| CC10986 | | 0.18 | <0.2 | 0.96 | <2 | <10 | 100 | <0.5 | 3 | 0.06 | <0.5 | 3 | 13 | 11 | 1.80 | 10 |
| CC10987 | | 0.18 | 0.3 | 1.13 | 15 | <10 | 60 | <0.5 | <2 | 0.05 | <0.5 | 3 | 12 | 11 | 1.88 | <10 |
| CC10988 | | 0.14 | 0.2 | 1.31 | 14 | <10 | 120 | 0.7 | 3 | 0.14 | <0.5 | 5 | 17 | 13 | 2.44 | 10 |
| CC10989 | | 0.26 | <0.2 | 1.71 | 14 | <10 | 130 | 0.9 | 4 | 0.22 | <0.5 | 8 | 24 | 17 | 2.97 | 10 |
| CC10990 | | 0.16 | 0.2 | 0.22 | 2 | <10 | 30 | <0.5 | <2 | 0.06 | <0.5 | 1 | 3 | 2 | 0.61 | <10 |
| CC10991 | | 0.16 | 0.3 | 1.80 | 21 | <10 | 180 | 0.9 | 3 | 0.25 | <0.5 | 9 | 26 | 18 | 2.95 | 10 |
| CC10992 | | 0.12 | 0.3 | 1.55 | 12 | <10 | 130 | 0.5 | 2 | 0.18 | <0.5 | 5 | 20 | 11 | 2.30 | 10 |
| CC10993 | | 0.14 | 0.3 | 1.35 | 11 | <10 | 120 | <0.5 | 2 | 0.16 | <0.5 | 4 | 18 | 9 | 1.64 | 10 |
| CC10994 | | 0.18 | <0.2 | 1.25 | 9 | <10 | 100 | <0.5 | 2 | 0.14 | <0.5 | 2 | 16 | 8 | 1.77 | <10 |
| CC10995 | | 0.12 | <0.2 | 1.16 | 6 | <10 | 100 | <0.5 | 3 | 0.15 | <0.5 | 3 | 16 | 8 | 1.71 | <10 |
| CC10996 | | 0.10 | 0.2 | 1.22 | 13 | <10 | 100 | <0.5 | 2 | 0.15 | <0.5 | 4 | 18 | 8 | 1.70 | <10 |
| CC10997 | | 0.16 | <0.2 | 1.16 | 6 | <10 | 80 | <0.5 | 2 | 0.12 | <0.5 | 3 | 15 | 6 | 1.64 | 10 |
| CC10998 | | 0.16 | 0.2 | 1.31 | 12 | <10 | 100 | <0.5 | 3 | 0.15 | <0.5 | 3 | 18 | 8 | 2.08 | <10 |
| CC10999 | | 0.16 | 0.2 | 1.30 | 7 | <10 | 90 | <0.5 | 4 | 0.14 | <0.5 | 3 | 17 | 8 | 2.01 | 10 |
| CC11000 | | 0.18 | <0.2 | 1.10 | 10 | <10 | 80 | <0.5 | 2 | 0.15 | <0.5 | 3 | 13 | 6 | 1.71 | 10 |

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## CERTIFICATE OF ANALYSIS VA07109372

| 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 |
| CC10982 | | <1 | 0.05 | 10 | 0.16 | 112 | 1 | 0.02 | 8 | 260 | 6 | 0.02 | <2 | 1 | 13 | <20 |
| CC10983 | | <1 | 0.03 | 10 | 0.05 | 224 | 1 | 0.02 | 4 | 160 | 7 | 0.01 | <2 | 1 | 8 | <20 |
| CC10984 | | <1 | 0.03 | 10 | 0.06 | 43 | 1 | 0.02 | 3 | 220 | 6 | 0.02 | <2 | 1 | 9 | <20 |
| CC10985 | | <1 | 0.23 | 140 | 0.66 | 440 | 2 | 0.01 | 29 | 640 | 21 | 0.04 | 4 | 7 | 45 | 20 |
| CC10986 | | <1 | 0.05 | 10 | 0.12 | 196 | 2 | 0.01 | 8 | 330 | 9 | 0.03 | <2 | 1 | 11 | <20 |
| CC10987 | | <1 | 0.06 | 10 | 0.10 | 99 | 2 | 0.01 | 7 | 470 | 13 | 0.05 | 3 | 1 | 8 | <20 |
| CC10988 | | <1 | 0.10 | 50 | 0.24 | 276 | 2 | 0.01 | 10 | 600 | 17 | 0.06 | <2 | 2 | 16 | <20 |
| CC10989 | | <1 | 0.12 | 40 | 0.41 | 524 | 1 | 0.01 | 18 | 610 | 22 | 0.02 | 3 | 4 | 18 | <20 |
| CC10990 | | <1 | 0.02 | <10 | 0.03 | 31 | <1 | 0.03 | 2 | 230 | 4 | 0.02 | <2 | <1 | 11 | <20 |
| CC10991 | | <1 | 0.11 | 50 | 0.40 | 368 | 2 | 0.01 | 17 | 720 | 74 | 0.04 | <2 | 5 | 23 | <20 |
| CC10992 | | <1 | 0.09 | 40 | 0.33 | 164 | 1 | 0.01 | 12 | 680 | 45 | 0.05 | <2 | 3 | 17 | <20 |
| CC10993 | | <1 | 0.08 | 30 | 0.28 | 105 | 1 | 0.01 | 10 | 560 | 29 | 0.05 | <2 | 3 | 16 | <20 |
| CC10994 | | <1 | 0.08 | 30 | 0.28 | 97 | 1 | 0.01 | 9 | 480 | 23 | 0.04 | 2 | 2 | 14 | <20 |
| CC10995 | | <1 | 0.07 | 20 | 0.28 | 102 | 1 | 0.01 | 9 | 500 | 27 | 0.04 | 3 | 2 | 15 | <20 |
| CC10996 | | <1 | 0.07 | 20 | 0.28 | 100 | 1 | 0.01 | 9 | 540 | 28 | 0.05 | <2 | 2 | 14 | <20 |
| CC10997 | | <1 | 0.07 | 20 | 0.27 | 93 | 1 | 0.01 | 9 | 360 | 25 | 0.03 | <2 | 2 | 11 | <20 |
| CC10998 | | <1 | 0.07 | 20 | 0.30 | 100 | 1 | 0.01 | 10 | 510 | 29 | 0.04 | <2 | 2 | 14 | <20 |
| CC10999 | | <1 | 0.07 | 20 | 0.31 | 108 | 1 | 0.01 | 10 | 490 | 25 | 0.04 | <2 | 2 | 13 | <20 |
| CC11000 | | <1 | 0.07 | 20 | 0.27 | 104 | 1 | 0.01 | 8 | 430 | 22 | 0.02 | 2 | 2 | 11 | <20 |

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## CERTIFICATE OF ANALYSIS VA07109372

| Sample Description | Method / Analyte / Units / LOR | ME-ICP41 Ti % 0.01 | ME-ICP41 Tl ppm 10 | ME-ICP41 U ppm 10 | ME-ICP41 V ppm 1 | ME-ICP41 W ppm 10 | ME-ICP41 Zn ppm 2 |
|---|---|---|---|---|---|---|---|
| CC10982 | | 0.06 | <10 | <10 | 38 | <10 | 30 |
| CC10983 | | 0.04 | <10 | <10 | 23 | <10 | 20 |
| CC10984 | | 0.04 | <10 | <10 | 20 | <10 | 14 |
| CC10985 | | 0.10 | <10 | <10 | 84 | <10 | 84 |
| CC10986 | | 0.06 | <10 | <10 | 47 | <10 | 27 |
| CC10987 | | 0.05 | <10 | <10 | 46 | <10 | 25 |
| CC10988 | | 0.06 | <10 | <10 | 44 | <10 | 45 |
| CC10989 | | 0.08 | <10 | <10 | 53 | <10 | 72 |
| CC10990 | | 0.02 | <10 | <10 | 17 | <10 | 10 |
| CC10991 | | 0.08 | <10 | <10 | 51 | <10 | 74 |
| CC10992 | | 0.05 | <10 | <10 | 39 | <10 | 53 |
| CC10993 | | 0.05 | <10 | <10 | 24 | <10 | 44 |
| CC10994 | | 0.06 | <10 | <10 | 26 | <10 | 40 |
| CC10995 | | 0.06 | <10 | <10 | 25 | <10 | 44 |
| CC10996 | | 0.05 | <10 | <10 | 21 | <10 | 43 |
| CC10997 | | 0.06 | <10 | <10 | 26 | <10 | 41 |
| CC10998 | | 0.06 | <10 | <10 | 33 | <10 | 46 |
| CC10999 | | 0.06 | <10 | <10 | 33 | <10 | 47 |
| CC11000 | | 0.05 | <10 | <10 | 32 | <10 | 42 |

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# CERTIFICATE VA07107507

Project: CONNAUGHT GRID A AND B

P.O. No.:

This report is for 233 Soil samples submitted to our lab in Vancouver, BC, Canada on 4-SEP-2007.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| AL ARCHER<br>BILL WENGZYNOWSKI | DOUG EATON | JOAN MARIACHER |

## 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 |
|---|---|---|
| ME-ICP41 | 35 Element Aqua Regia ICP-AES | ICP-AES |

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

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

**Signature:** Lawrence Ng

Lawrence Ng, Laboratory Manager - Vancouver

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Project: CONNAUGHT GRID A AND B


Finalized Date: 25-OCT-2007
Account: RCM

## CERTIFICATE OF ANALYSIS VA07107507

| 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 |
| CC42200 | | 0.26 | 1.1 | 1.93 | 63 | <10 | 160 | 0.5 | 3 | 0.27 | <0.5 | 9 | 30 | 42 | 3.11 | 10 |
| CC42201 | | 0.24 | 1.5 | 2.01 | 134 | <10 | 170 | 0.9 | 3 | 0.26 | <0.5 | 13 | 30 | 70 | 2.88 | 10 |
| CC42202 | | 0.22 | 1.3 | 2.08 | 143 | <10 | 170 | 0.9 | 4 | 0.22 | <0.5 | 16 | 30 | 80 | 3.04 | 10 |
| CC42203 | | 0.30 | 1.1 | 1.67 | 123 | <10 | 150 | 0.6 | 8 | 0.27 | <0.5 | 11 | 26 | 59 | 2.90 | 10 |
| CC42204 | | 0.16 | 0.3 | 1.01 | 2 | <10 | 90 | <0.5 | <2 | 0.12 | <0.5 | 5 | 12 | 13 | 1.32 | <10 |
| CC42205 | | 0.12 | 0.5 | 1.01 | 7 | <10 | 120 | <0.5 | <2 | 0.12 | <0.5 | 3 | 11 | 19 | 1.37 | <10 |
| CC42206 | | 0.18 | 0.5 | 0.80 | 6 | <10 | 180 | <0.5 | <2 | 0.84 | 0.6 | 3 | 13 | 26 | 1.08 | <10 |
| CC42207 | | 0.08 | 0.5 | 0.51 | 2 | <10 | 130 | <0.5 | <2 | 0.46 | 0.5 | 3 | 8 | 14 | 0.73 | <10 |
| CC42208 | | 0.18 | 0.3 | 1.10 | 6 | <10 | 100 | <0.5 | <2 | 0.15 | <0.5 | 4 | 16 | 13 | 1.70 | 10 |
| CC42209 | | 0.10 | 0.6 | 0.64 | <2 | <10 | 110 | <0.5 | <2 | 0.27 | 0.7 | 3 | 11 | 11 | 1.00 | <10 |
| CC42210 | | 0.16 | 0.5 | 1.20 | 6 | <10 | 250 | <0.5 | <2 | 0.69 | 1.9 | 5 | 16 | 20 | 1.70 | <10 |
| CC42211 | | 0.22 | 0.6 | 1.65 | <2 | <10 | 330 | 0.8 | <2 | 1.51 | <0.5 | 6 | 17 | 39 | 1.72 | <10 |
| CC42212 | | 0.12 | 0.3 | 1.09 | <2 | <10 | 180 | <0.5 | <2 | 0.81 | <0.5 | 4 | 14 | 18 | 1.56 | <10 |
| CC42213 | | 0.26 | 0.5 | 1.52 | 41 | <10 | 70 | 0.7 | 7 | 0.10 | <0.5 | 7 | 16 | 25 | 2.57 | 10 |
| CC42214 | | 0.22 | 0.4 | 2.13 | 145 | <10 | 100 | 1.2 | 4 | 0.29 | <0.5 | 9 | 21 | 26 | 2.65 | 10 |
| CC42215 | | 0.16 | 0.2 | 1.52 | 58 | <10 | 80 | 0.8 | 9 | 0.18 | <0.5 | 6 | 20 | 70 | 2.59 | 10 |
| CC42216 | | 0.28 | 0.5 | 2.23 | 39 | <10 | 140 | 1.4 | 4 | 0.30 | 0.5 | 9 | 40 | 42 | 2.92 | 10 |
| CC42217 | | 0.24 | 0.6 | 1.99 | 19 | <10 | 130 | 0.9 | 7 | 0.40 | <0.5 | 10 | 47 | 38 | 2.61 | 10 |
| CC42218 | | 0.16 | 0.9 | 1.67 | 19 | <10 | 140 | 0.6 | 2 | 0.29 | <0.5 | 8 | 37 | 50 | 2.28 | 10 |
| CC42219 | | 0.30 | 0.6 | 2.27 | 24 | <10 | 160 | 0.7 | 4 | 0.34 | <0.5 | 10 | 39 | 60 | 2.67 | 10 |
| CC42220 | | 0.36 | 0.6 | 2.16 | 25 | <10 | 140 | 0.6 | 4 | 0.27 | <0.5 | 8 | 42 | 45 | 2.65 | 10 |
| CC42221 | | 0.10 | 2.1 | 2.33 | 101 | <10 | 180 | 0.9 | 8 | 0.39 | 0.9 | 20 | 48 | 120 | 3.33 | 10 |
| CC42222 | | 0.24 | 5.0 | 2.27 | 354 | <10 | 180 | 1.1 | 35 | 0.30 | 4.3 | 15 | 52 | 184 | 3.87 | 10 |
| CC42223 | | 0.24 | 2.6 | 1.74 | 380 | <10 | 120 | 0.7 | 9 | 0.22 | 3.0 | 14 | 41 | 112 | 3.32 | 10 |
| CC42224 | | 0.18 | 3.6 | 0.86 | 223 | <10 | 60 | <0.5 | 5 | 0.16 | 1.1 | 5 | 16 | 50 | 2.04 | <10 |
| CC42225 | | 0.24 | 1.4 | 1.60 | 71 | <10 | 110 | <0.5 | 6 | 0.22 | 0.7 | 7 | 29 | 48 | 2.43 | 10 |
| CC42226 | | 0.24 | 1.7 | 1.63 | 115 | <10 | 130 | 0.6 | 7 | 0.14 | 0.7 | 13 | 28 | 58 | 3.77 | 10 |
| CC42227 | | 0.26 | 1.8 | 2.36 | 97 | <10 | 180 | 0.9 | 7 | 0.17 | 0.8 | 17 | 40 | 100 | 3.92 | 10 |
| CC42228 | | 0.22 | 0.8 | 1.67 | 54 | <10 | 130 | 0.6 | 5 | 0.23 | 0.5 | 10 | 28 | 49 | 2.86 | <10 |
| CC42229 | | 0.22 | 1.6 | 1.87 | 46 | <10 | 170 | 1.0 | 7 | 0.30 | <0.5 | 29 | 34 | 128 | 3.62 | 10 |
| CC42230 | | 0.22 | 0.3 | 0.22 | 6 | <10 | 30 | <0.5 | 2 | 0.05 | <0.5 | 3 | 5 | 6 | 0.73 | <10 |
| CC42231 | | 0.26 | 1.3 | 1.70 | 50 | <10 | 160 | 0.6 | 5 | 0.25 | 0.6 | 10 | 30 | 62 | 3.12 | <10 |
| CC42232 | | 0.26 | 1.0 | 1.51 | 45 | <10 | 140 | <0.5 | 4 | 0.15 | 0.5 | 10 | 25 | 35 | 2.53 | <10 |
| CC42233 | | 0.22 | 1.8 | 1.58 | 59 | <10 | 170 | 0.6 | 2 | 0.23 | 1.1 | 14 | 28 | 35 | 2.66 | <10 |
| CC42234 | | 0.22 | 1.9 | 1.65 | 45 | <10 | 150 | 0.6 | 4 | 0.19 | 0.8 | 15 | 28 | 33 | 2.55 | <10 |
| CC42235 | | 0.24 | 0.8 | 1.86 | 39 | <10 | 130 | 0.6 | 2 | 0.25 | 0.8 | 10 | 35 | 36 | 2.85 | 10 |
| CC42236 | | 0.20 | 1.1 | 1.48 | 27 | <10 | 110 | 0.5 | 2 | 0.19 | <0.5 | 9 | 32 | 28 | 1.86 | 10 |
| CC42237 | | 0.20 | 1.2 | 2.04 | 55 | <10 | 210 | 0.7 | 2 | 0.36 | <0.5 | 10 | 31 | 53 | 2.71 | 10 |
| CC42238 | | 0.18 | 0.4 | 1.99 | 12 | <10 | 300 | <0.5 | <2 | 0.73 | <0.5 | 7 | 28 | 34 | 2.64 | 10 |
| CC42239 | | 0.18 | 0.5 | 2.08 | 5 | <10 | 250 | 0.5 | <2 | 0.41 | <0.5 | 7 | 29 | 35 | 2.63 | 10 |

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Finalized Date: 25-OCT-2007
Account: RCM

Project: CONNAUGHT GRID A AND B

# CERTIFICATE OF ANALYSIS VA07107507

| 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 |
| CC42200 | | <1 | 0.10 | 20 | 0.61 | 215 | 12 | 0.01 | 18 | 740 | 117 | 0.02 | <2 | 4 | 22 | <20 |
| CC42201 | | <1 | 0.10 | 20 | 0.75 | 722 | 4 | 0.01 | 18 | 630 | 133 | 0.04 | <2 | 3 | 29 | <20 |
| CC42202 | | <1 | 0.11 | 20 | 0.74 | 861 | 4 | 0.01 | 18 | 660 | 136 | 0.04 | 3 | 3 | 26 | <20 |
| CC42203 | | 1 | 0.13 | 20 | 0.65 | 510 | 9 | 0.01 | 18 | 690 | 118 | 0.04 | 3 | 3 | 27 | <20 |
| CC42204 | | <1 | 0.05 | 10 | 0.35 | 163 | 1 | 0.01 | 8 | 380 | 13 | 0.02 | <2 | 1 | 11 | <20 |
| CC42205 | | <1 | 0.04 | 10 | 0.17 | 89 | 1 | 0.02 | 4 | 400 | 41 | 0.02 | <2 | 1 | 13 | <20 |
| CC42206 | | 1 | 0.06 | 10 | 0.26 | 141 | 1 | 0.02 | 9 | 780 | 19 | 0.10 | <2 | 1 | 33 | <20 |
| CC42207 | | 1 | 0.07 | 10 | 0.12 | 95 | 1 | 0.02 | 6 | 840 | 8 | 0.07 | <2 | 1 | 24 | <20 |
| CC42208 | | <1 | 0.05 | 10 | 0.36 | 151 | 1 | 0.01 | 10 | 410 | 7 | 0.01 | <2 | 1 | 13 | <20 |
| CC42209 | | <1 | 0.07 | 10 | 0.16 | 111 | 2 | 0.01 | 7 | 640 | 12 | 0.05 | <2 | 1 | 18 | <20 |
| CC42210 | | <1 | 0.06 | 20 | 0.33 | 380 | 1 | 0.01 | 12 | 480 | 162 | 0.04 | <2 | 2 | 39 | <20 |
| CC42211 | | <1 | 0.06 | 60 | 0.29 | 639 | 1 | 0.02 | 18 | 980 | 13 | 0.10 | <2 | 2 | 63 | <20 |
| CC42212 | | <1 | 0.07 | 20 | 0.30 | 191 | 1 | 0.02 | 11 | 710 | 12 | 0.08 | <2 | 2 | 38 | <20 |
| CC42213 | | <1 | 0.16 | 20 | 0.63 | 453 | 5 | <0.01 | 8 | 420 | 78 | 0.03 | <2 | 2 | 19 | <20 |
| CC42214 | | <1 | 0.16 | 20 | 0.90 | 400 | 1 | 0.01 | 13 | 520 | 93 | 0.02 | 2 | 3 | 32 | <20 |
| CC42215 | | <1 | 0.11 | 20 | 0.60 | 275 | 1 | 0.01 | 12 | 370 | 47 | 0.03 | <2 | 2 | 25 | <20 |
| CC42216 | | <1 | 0.19 | 20 | 0.87 | 454 | 1 | 0.02 | 21 | 530 | 33 | 0.04 | <2 | 3 | 33 | <20 |
| CC42217 | | <1 | 0.27 | 10 | 1.08 | 380 | 1 | 0.02 | 24 | 540 | 28 | 0.05 | <2 | 3 | 35 | <20 |
| CC42218 | | 1 | 0.14 | 10 | 0.73 | 356 | 1 | 0.02 | 20 | 660 | 35 | 0.07 | <2 | 3 | 32 | <20 |
| CC42219 | | 1 | 0.20 | 10 | 1.02 | 249 | 1 | 0.02 | 22 | 500 | 29 | 0.03 | <2 | 5 | 37 | <20 |
| CC42220 | | <1 | 0.15 | 10 | 0.96 | 236 | <1 | 0.02 | 23 | 520 | 35 | 0.04 | 2 | 4 | 27 | <20 |
| CC42221 | | 1 | 0.24 | 20 | 1.02 | 642 | 2 | 0.02 | 30 | 650 | 78 | 0.06 | 4 | 6 | 40 | <20 |
| CC42222 | | <1 | 0.35 | 20 | 0.97 | 644 | 4 | 0.02 | 38 | 800 | 261 | 0.09 | 23 | 5 | 36 | <20 |
| CC42223 | | <1 | 0.24 | 20 | 0.68 | 336 | 2 | 0.02 | 28 | 680 | 206 | 0.08 | 16 | 3 | 31 | <20 |
| CC42224 | | 1 | 0.10 | 10 | 0.25 | 119 | 1 | 0.02 | 11 | 470 | 104 | 0.10 | 3 | 1 | 29 | <20 |
| CC42225 | | <1 | 0.22 | 20 | 0.66 | 165 | 4 | 0.01 | 18 | 670 | 139 | 0.07 | 3 | 3 | 23 | <20 |
| CC42226 | | <1 | 0.26 | 20 | 0.59 | 328 | 11 | 0.02 | 17 | 800 | 114 | 0.17 | 5 | 3 | 28 | <20 |
| CC42227 | | 1 | 0.24 | 20 | 0.75 | 306 | 11 | 0.02 | 25 | 920 | 81 | 0.09 | <2 | 5 | 27 | <20 |
| CC42228 | | <1 | 0.17 | 20 | 0.58 | 184 | 8 | 0.02 | 18 | 760 | 49 | 0.07 | <2 | 3 | 24 | <20 |
| CC42229 | | <1 | 0.23 | 20 | 0.68 | 722 | 12 | 0.02 | 27 | 930 | 88 | 0.07 | <2 | 4 | 39 | <20 |
| CC42230 | | <1 | 0.03 | <10 | 0.04 | 47 | 1 | 0.02 | 2 | 310 | 6 | 0.03 | <2 | <1 | 8 | <20 |
| CC42231 | | <1 | 0.12 | 20 | 0.56 | 423 | 8 | 0.02 | 22 | 680 | 96 | 0.05 | <2 | 3 | 25 | <20 |
| CC42232 | | 1 | 0.07 | 10 | 0.43 | 310 | 8 | 0.02 | 15 | 560 | 100 | 0.05 | 2 | 2 | 17 | <20 |
| CC42233 | | 1 | 0.08 | 10 | 0.48 | 1150 | 7 | 0.02 | 18 | 710 | 205 | 0.05 | <2 | 4 | 23 | <20 |
| CC42234 | | <1 | 0.08 | 10 | 0.47 | 713 | 7 | 0.01 | 17 | 820 | 254 | 0.05 | 2 | 3 | 19 | <20 |
| CC42235 | | <1 | 0.10 | 10 | 0.82 | 337 | 7 | 0.01 | 22 | 650 | 78 | 0.03 | 2 | 4 | 21 | <20 |
| CC42236 | | <1 | 0.09 | 10 | 0.62 | 232 | 9 | 0.01 | 19 | 590 | 91 | 0.02 | <2 | 3 | 18 | <20 |
| CC42237 | | <1 | 0.07 | 30 | 0.69 | 488 | 7 | 0.01 | 21 | 660 | 72 | 0.02 | 2 | 4 | 26 | <20 |
| CC42238 | | <1 | 0.08 | 10 | 0.66 | 387 | 1 | 0.03 | 19 | 620 | 17 | 0.03 | 3 | 3 | 33 | <20 |
| CC42239 | | <1 | 0.07 | 10 | 0.57 | 268 | 1 | 0.02 | 19 | 600 | 16 | 0.02 | <2 | 3 | 26 | <20 |

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Finalized Date: 25-OCT-2007
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Project: CONNAUGHT GRID A AND B

## CERTIFICATE OF ANALYSIS VA07107507

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC42200 | | 0.08 | <10 | <10 | 53 | <10 | 93 |
| CC42201 | | 0.07 | <10 | <10 | 49 | <10 | 135 |
| CC42202 | | 0.07 | <10 | <10 | 50 | <10 | 143 |
| CC42203 | | 0.07 | <10 | <10 | 44 | <10 | 126 |
| CC42204 | | 0.05 | <10 | <10 | 23 | <10 | 35 |
| CC42205 | | 0.04 | <10 | <10 | 23 | <10 | 29 |
| CC42206 | | 0.03 | <10 | <10 | 20 | <10 | 43 |
| CC42207 | | 0.02 | <10 | <10 | 13 | <10 | 36 |
| CC42208 | | 0.05 | <10 | <10 | 40 | <10 | 46 |
| CC42209 | | 0.03 | <10 | <10 | 23 | <10 | 43 |
| CC42210 | | 0.04 | <10 | <10 | 39 | <10 | 118 |
| CC42211 | | 0.03 | <10 | <10 | 29 | <10 | 47 |
| CC42212 | | 0.04 | <10 | <10 | 30 | <10 | 44 |
| CC42213 | | 0.07 | <10 | <10 | 44 | <10 | 73 |
| CC42214 | | 0.10 | <10 | <10 | 48 | <10 | 82 |
| CC42215 | | 0.11 | <10 | <10 | 52 | <10 | 67 |
| CC42216 | | 0.10 | <10 | <10 | 51 | <10 | 85 |
| CC42217 | | 0.11 | <10 | <10 | 52 | <10 | 74 |
| CC42218 | | 0.08 | <10 | <10 | 47 | <10 | 70 |
| CC42219 | | 0.11 | <10 | <10 | 55 | <10 | 75 |
| CC42220 | | 0.11 | <10 | <10 | 53 | <10 | 67 |
| CC42221 | | 0.11 | <10 | <10 | 59 | <10 | 125 |
| CC42222 | | 0.09 | <10 | <10 | 58 | <10 | 356 |
| CC42223 | | 0.09 | <10 | <10 | 51 | 10 | 216 |
| CC42224 | | 0.06 | <10 | <10 | 36 | 10 | 67 |
| CC42225 | | 0.09 | <10 | <10 | 41 | 10 | 86 |
| CC42226 | | 0.09 | <10 | <10 | 48 | 10 | 75 |
| CC42227 | | 0.09 | <10 | <10 | 56 | 10 | 96 |
| CC42228 | | 0.08 | <10 | <10 | 46 | <10 | 67 |
| CC42229 | | 0.09 | <10 | <10 | 56 | 20 | 88 |
| CC42230 | | 0.03 | <10 | <10 | 17 | <10 | 15 |
| CC42231 | | 0.08 | <10 | <10 | 53 | <10 | 96 |
| CC42232 | | 0.06 | <10 | <10 | 45 | <10 | 73 |
| CC42233 | | 0.07 | <10 | <10 | 46 | <10 | 141 |
| CC42234 | | 0.05 | <10 | <10 | 43 | <10 | 112 |
| CC42235 | | 0.08 | <10 | <10 | 51 | <10 | 125 |
| CC42236 | | 0.07 | <10 | <10 | 39 | <10 | 85 |
| CC42237 | | 0.07 | <10 | <10 | 50 | <10 | 98 |
| CC42238 | | 0.07 | 10 | <10 | 51 | <10 | 70 |
| CC42239 | | 0.06 | <10 | <10 | 52 | <10 | 59 |

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## CERTIFICATE OF ANALYSIS VA07107507

| 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 |
| CC42240 | | 0.16 | <0.2 | 1.36 | 8 | <10 | 130 | <0.5 | <2 | 0.32 | <0.5 | 6 | 24 | 14 | 2.19 | <10 |
| CC42241 | | 0.22 | 0.3 | 1.95 | <2 | <10 | 230 | 0.5 | <2 | 0.65 | <0.5 | 8 | 27 | 27 | 2.60 | 10 |
| CC42242 | | 0.20 | 0.4 | 1.65 | 5 | <10 | 200 | 0.5 | <2 | 0.72 | 0.5 | 7 | 23 | 28 | 2.20 | <10 |
| CC42243 | | 0.20 | 0.2 | 1.69 | 7 | <10 | 220 | 0.5 | <2 | 0.69 | <0.5 | 7 | 23 | 26 | 2.36 | 10 |
| CC42244 | | 0.20 | 1.0 | 1.13 | 39 | <10 | 110 | <0.5 | 2 | 0.17 | <0.5 | 4 | 15 | 23 | 2.01 | 10 |
| CC42245 | | 0.20 | 0.7 | 1.41 | 60 | <10 | 110 | 0.9 | 3 | 0.25 | <0.5 | 5 | 15 | 24 | 1.99 | <10 |
| CC42246 | | 0.14 | 1.9 | 1.80 | 43 | <10 | 130 | 1.6 | 3 | 0.19 | <0.5 | 4 | 17 | 49 | 1.94 | <10 |
| CC42247 | | 0.14 | 1.4 | 1.73 | 38 | <10 | 110 | 1.1 | 3 | 0.24 | <0.5 | 5 | 22 | 37 | 2.46 | 10 |
| CC42248 | | 0.08 | 0.6 | 0.48 | 4 | <10 | 30 | <0.5 | <2 | 0.12 | <0.5 | 4 | 8 | 13 | 1.79 | <10 |
| CC42249 | | 0.20 | 0.8 | 3.80 | 44 | <10 | 260 | 1.1 | 5 | 0.53 | <0.5 | 14 | 61 | 109 | 4.53 | 10 |
| CC42250 | | 0.10 | 2.1 | 1.12 | 39 | <10 | 110 | 0.6 | 4 | 0.39 | <0.5 | 3 | 15 | 64 | 1.27 | <10 |
| CC42251 | | 0.12 | 9.0 | 2.94 | 244 | <10 | 240 | 1.8 | 7 | 0.52 | 10.9 | 7 | 49 | 183 | 3.73 | 10 |
| CC42252 | | 0.16 | 1.0 | 0.23 | 10 | <10 | 30 | <0.5 | <2 | 0.15 | <0.5 | 1 | 2 | 9 | 0.51 | <10 |
| CC42253 | | 0.10 | 1.7 | 1.13 | 154 | <10 | 80 | <0.5 | 3 | 0.26 | 0.7 | 4 | 18 | 34 | 1.52 | <10 |
| CC42254 | | 0.18 | 1.6 | 1.98 | 228 | <10 | 140 | 0.5 | 2 | 0.29 | 0.5 | 10 | 36 | 42 | 2.93 | 10 |
| CC42255 | | 0.28 | 0.8 | 2.75 | 95 | <10 | 140 | 0.8 | 5 | 0.22 | <0.5 | 11 | 43 | 73 | 4.39 | 10 |
| CC42256 | | 0.18 | 1.0 | 1.86 | 140 | <10 | 120 | 0.6 | 7 | 0.20 | <0.5 | 12 | 30 | 50 | 3.87 | 10 |
| CC42257 | | 0.16 | 1.3 | 0.95 | 50 | <10 | 100 | <0.5 | 2 | 0.21 | <0.5 | 7 | 15 | 34 | 2.00 | <10 |
| CC42258 | | 0.22 | 2.5 | 1.59 | 34 | <10 | 140 | 1.1 | 4 | 0.46 | 0.9 | 17 | 22 | 103 | 2.33 | <10 |
| CC42259 | | 0.12 | 2.1 | 0.58 | 4 | <10 | 80 | <0.5 | <2 | 0.13 | <0.5 | 3 | 8 | 14 | 0.76 | <10 |
| CC42260 | | 0.28 | 0.6 | 2.01 | 69 | <10 | 160 | 0.8 | 2 | 0.30 | 0.5 | 12 | 34 | 62 | 3.36 | 10 |
| CC42261 | | 0.14 | 1.9 | 1.32 | 69 | <10 | 100 | <0.5 | 2 | 0.18 | 0.6 | 5 | 23 | 26 | 2.28 | 10 |
| CC42262 | | 0.18 | 4.4 | 1.45 | 46 | <10 | 200 | 0.5 | <2 | 0.23 | 0.7 | 64 | 23 | 32 | 2.53 | <10 |
| CC42263 | | 0.18 | 2.8 | 1.10 | 48 | <10 | 240 | 1.0 | <2 | 0.39 | 3.2 | 28 | 19 | 66 | 1.99 | <10 |
| CC42264 | | 0.18 | 2.0 | 1.40 | 19 | <10 | 150 | 0.6 | <2 | 0.24 | 0.9 | 8 | 24 | 35 | 1.93 | <10 |
| CC42265 | | 0.30 | 0.4 | 0.89 | 17 | <10 | 60 | <0.5 | <2 | 0.09 | <0.5 | 4 | 18 | 10 | 1.43 | <10 |
| CC42266 | | 0.22 | 1.3 | 2.05 | 49 | <10 | 200 | 0.6 | 2 | 0.32 | 1.1 | 12 | 36 | 45 | 2.92 | 10 |
| CC42267 | | 0.18 | 1.2 | 1.99 | 69 | <10 | 200 | 0.7 | <2 | 0.43 | 1.0 | 9 | 34 | 49 | 3.02 | 10 |
| CC42268 | | 0.14 | 0.5 | 2.08 | 6 | <10 | 200 | <0.5 | <2 | 0.37 | <0.5 | 9 | 34 | 22 | 2.69 | 10 |
| CC42269 | | 0.14 | 0.4 | 1.98 | 10 | <10 | 240 | 0.5 | <2 | 0.71 | <0.5 | 10 | 26 | 24 | 2.51 | 10 |
| CC42270 | | 0.24 | 0.5 | 1.94 | 14 | <10 | 230 | 0.5 | <2 | 0.49 | <0.5 | 9 | 29 | 30 | 2.70 | 10 |
| CC42271 | | 0.16 | 0.4 | 1.08 | 5 | <10 | 300 | 0.5 | <2 | 1.66 | 1.0 | 5 | 10 | 21 | 1.18 | <10 |
| CC42272 | | 0.16 | 0.5 | 1.93 | 4 | <10 | 270 | <0.5 | <2 | 0.44 | <0.5 | 8 | 25 | 20 | 2.13 | 10 |
| CC42273 | | 0.12 | 0.7 | 1.72 | 8 | <10 | 310 | 0.5 | <2 | 0.59 | <0.5 | 14 | 24 | 22 | 2.13 | <10 |
| CC42274 | | 0.12 | 0.3 | 1.80 | 4 | <10 | 270 | <0.5 | <2 | 0.47 | <0.5 | 10 | 26 | 22 | 2.32 | <10 |
| CC42275 | | 0.14 | 0.5 | 1.92 | 88 | <10 | 130 | 1.0 | 5 | 0.22 | <0.5 | 7 | 23 | 45 | 2.64 | 10 |
| CC42276 | | 0.22 | 0.3 | 2.02 | 76 | <10 | 120 | 1.3 | 3 | 0.22 | <0.5 | 8 | 25 | 38 | 2.60 | 10 |
| CC42277 | | 0.12 | 0.2 | 0.50 | 4 | <10 | 60 | <0.5 | <2 | 0.08 | <0.5 | 2 | 8 | 10 | 1.09 | <10 |
| CC42278 | | 0.16 | 0.4 | 1.23 | 7 | <10 | 70 | 0.6 | <2 | 0.19 | <0.5 | 5 | 13 | 15 | 1.93 | 10 |
| CC42279 | | 0.20 | 0.4 | 2.50 | 35 | <10 | 160 | 1.0 | <2 | 0.23 | <0.5 | 10 | 59 | 41 | 3.19 | 10 |

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

Total Pages: 7 (A - C)
Finalized Date: 25-OCT-2007
Account: RCM

Project: CONNAUGHT GRID A AND B

# CERTIFICATE OF ANALYSIS VA07107507

| Sample Description | Method / Analyte / Units / LOR | ME-ICP41 Hg ppm 1 | ME-ICP41 K % 0.01 | ME-ICP41 La ppm 10 | ME-ICP41 Mg % 0.01 | ME-ICP41 Mn ppm 5 | ME-ICP41 Mo ppm 1 | ME-ICP41 Na % 0.01 | ME-ICP41 Ni ppm 1 | ME-ICP41 P ppm 10 | ME-ICP41 Pb ppm 2 | ME-ICP41 S % 0.01 | ME-ICP41 Sb ppm 2 | ME-ICP41 Sc ppm 1 | ME-ICP41 Sr ppm 1 | ME-ICP41 Th ppm 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CC42240 | | <1 | 0.06 | 10 | 0.51 | 255 | 1 | 0.01 | 17 | 360 | 17 | 0.01 | 2 | 2 | 18 | <20 |
| CC42241 | | 1 | 0.06 | 20 | 0.60 | 463 | 1 | 0.02 | 20 | 740 | 20 | 0.04 | <2 | 3 | 31 | <20 |
| CC42242 | | 1 | 0.06 | 20 | 0.51 | 387 | 1 | 0.02 | 14 | 730 | 32 | 0.05 | 2 | 3 | 33 | <20 |
| CC42243 | | <1 | 0.08 | 20 | 0.51 | 472 | 1 | 0.02 | 14 | 800 | 14 | 0.05 | 2 | 3 | 34 | <20 |
| CC42244 | | <1 | 0.12 | 10 | 0.34 | 166 | 2 | 0.01 | 6 | 600 | 37 | 0.06 | <2 | 1 | 23 | <20 |
| CC42245 | | <1 | 0.17 | 20 | 0.56 | 288 | 1 | 0.01 | 9 | 650 | 52 | 0.06 | <2 | 1 | 35 | <20 |
| CC42246 | | 1 | 0.08 | 40 | 0.36 | 161 | 2 | 0.02 | 8 | 970 | 36 | 0.09 | <2 | 2 | 28 | <20 |
| CC42247 | | 1 | 0.13 | 20 | 0.51 | 236 | 2 | 0.01 | 13 | 890 | 45 | 0.09 | <2 | 2 | 29 | <20 |
| CC42248 | | <1 | 0.05 | 10 | 0.14 | 118 | <1 | 0.03 | 2 | 410 | 8 | 0.03 | <2 | 1 | 15 | <20 |
| CC42249 | | 2 | 0.61 | 20 | 2.25 | 600 | 1 | 0.03 | 35 | 600 | 53 | 0.04 | <2 | 8 | 69 | <20 |
| CC42250 | | 1 | 0.07 | 10 | 0.24 | 123 | 1 | 0.03 | 11 | 910 | 40 | 0.11 | <2 | 1 | 40 | <20 |
| CC42251 | | <1 | 0.22 | 50 | 0.80 | 329 | 3 | 0.02 | 37 | 1280 | 686 | 0.15 | 40 | 4 | 59 | <20 |
| CC42252 | | <1 | 0.03 | <10 | 0.04 | 28 | <1 | 0.02 | 4 | 360 | 6 | 0.03 | <2 | <1 | 16 | <20 |
| CC42253 | | <1 | 0.08 | 10 | 0.30 | 134 | 1 | 0.04 | 13 | 980 | 61 | 0.09 | <2 | 1 | 31 | <20 |
| CC42254 | | <1 | 0.25 | 20 | 0.77 | 238 | 1 | 0.01 | 25 | 640 | 162 | 0.02 | 4 | 4 | 27 | <20 |
| CC42255 | | <1 | 0.52 | 20 | 1.24 | 367 | 3 | 0.01 | 23 | 540 | 115 | 0.02 | 5 | 6 | 24 | <20 |
| CC42256 | | <1 | 0.27 | 20 | 0.70 | 391 | 9 | 0.02 | 19 | 800 | 76 | 0.12 | 2 | 3 | 25 | <20 |
| CC42257 | | 1 | 0.13 | 10 | 0.25 | 136 | 13 | 0.02 | 11 | 1130 | 48 | 0.12 | <2 | 1 | 34 | <20 |
| CC42258 | | <1 | 0.13 | 30 | 0.38 | 293 | 13 | 0.02 | 20 | 1160 | 123 | 0.12 | <2 | 2 | 38 | <20 |
| CC42259 | | <1 | 0.04 | 10 | 0.06 | 36 | 2 | 0.02 | 4 | 800 | 60 | 0.07 | <2 | 1 | 15 | <20 |
| CC42260 | | 1 | 0.15 | 20 | 0.72 | 482 | 10 | 0.01 | 24 | 770 | 81 | 0.03 | <2 | 5 | 22 | <20 |
| CC42261 | | 1 | 0.12 | 20 | 0.40 | 205 | 11 | 0.01 | 10 | 670 | 149 | 0.05 | 5 | 2 | 20 | <20 |
| CC42262 | | <1 | 0.08 | 10 | 0.38 | 2830 | 17 | 0.02 | 14 | 1090 | 324 | 0.11 | <2 | 2 | 25 | <20 |
| CC42263 | | <1 | 0.08 | 30 | 0.23 | 6070 | 8 | 0.02 | 18 | 1540 | 250 | 0.18 | 3 | 1 | 36 | <20 |
| CC42264 | | 1 | 0.08 | 20 | 0.42 | 691 | 6 | 0.01 | 14 | 940 | 63 | 0.06 | <2 | 2 | 24 | <20 |
| CC42265 | | 1 | 0.05 | 10 | 0.19 | 130 | 4 | 0.01 | 10 | 400 | 38 | 0.01 | 3 | 1 | 11 | <20 |
| CC42266 | | <1 | 0.11 | 20 | 0.72 | 932 | 9 | 0.01 | 22 | 820 | 114 | 0.03 | 3 | 4 | 27 | <20 |
| CC42267 | | 1 | 0.10 | 20 | 0.72 | 772 | 34 | 0.02 | 26 | 890 | 79 | 0.05 | 5 | 5 | 30 | <20 |
| CC42268 | | 1 | 0.08 | 20 | 0.70 | 298 | 2 | 0.02 | 22 | 510 | 33 | 0.01 | <2 | 4 | 24 | <20 |
| CC42269 | | <1 | 0.07 | 20 | 0.55 | 518 | 2 | 0.02 | 19 | 890 | 16 | 0.05 | <2 | 3 | 35 | <20 |
| CC42270 | | 1 | 0.08 | 20 | 0.67 | 714 | 1 | 0.01 | 20 | 720 | 35 | 0.02 | <2 | 4 | 29 | <20 |
| CC42271 | | 1 | 0.07 | 40 | 0.19 | 421 | 1 | 0.02 | 9 | 1140 | 13 | 0.14 | <2 | 2 | 74 | <20 |
| CC42272 | | <1 | 0.06 | 10 | 0.51 | 389 | 1 | 0.02 | 19 | 830 | 18 | 0.06 | <2 | 3 | 28 | <20 |
| CC42273 | | <1 | 0.07 | 20 | 0.41 | 706 | 1 | 0.03 | 16 | 1110 | 29 | 0.11 | <2 | 3 | 37 | <20 |
| CC42274 | | <1 | 0.06 | 20 | 0.51 | 522 | <1 | 0.03 | 17 | 930 | 22 | 0.08 | <2 | 3 | 30 | <20 |
| CC42275 | | <1 | 0.11 | 20 | 0.65 | 347 | <1 | 0.02 | 16 | 500 | 57 | 0.07 | <2 | 2 | 27 | <20 |
| CC42276 | | <1 | 0.15 | 20 | 0.72 | 386 | 1 | 0.02 | 15 | 500 | 63 | 0.06 | <2 | 3 | 31 | <20 |
| CC42277 | | <1 | 0.04 | 10 | 0.09 | 82 | <1 | 0.02 | 4 | 610 | 14 | 0.05 | <2 | <1 | 12 | <20 |
| CC42278 | | <1 | 0.18 | 10 | 0.54 | 218 | <1 | 0.02 | 8 | 630 | 15 | 0.08 | <2 | 2 | 24 | <20 |
| CC42279 | | <1 | 0.28 | 10 | 1.20 | 445 | <1 | 0.02 | 33 | 520 | 39 | 0.05 | 2 | 4 | 34 | <20 |

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To: ATAC RESOURCES LTD.
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Project: CONNAUGHT GRID A AND B

# CERTIFICATE OF ANALYSIS VA07107507

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC42240 | | 0.07 | <10 | <10 | 48 | <10 | 59 |
| CC42241 | | 0.06 | <10 | <10 | 49 | <10 | 73 |
| CC42242 | | 0.05 | <10 | <10 | 40 | <10 | 88 |
| CC42243 | | 0.05 | <10 | <10 | 45 | <10 | 69 |
| CC42244 | | 0.06 | <10 | <10 | 43 | <10 | 45 |
| CC42245 | | 0.06 | <10 | <10 | 37 | <10 | 57 |
| CC42246 | | 0.04 | <10 | <10 | 33 | <10 | 47 |
| CC42247 | | 0.07 | <10 | <10 | 48 | <10 | 65 |
| CC42248 | | 0.07 | <10 | <10 | 48 | <10 | 34 |
| CC42249 | | 0.17 | <10 | <10 | 96 | <10 | 115 |
| CC42250 | | 0.03 | <10 | <10 | 20 | <10 | 35 |
| CC42251 | | 0.06 | <10 | <10 | 53 | <10 | 384 |
| CC42252 | | 0.02 | <10 | <10 | 12 | <10 | 15 |
| CC42253 | | 0.04 | <10 | <10 | 28 | <10 | 56 |
| CC42254 | | 0.11 | <10 | <10 | 47 | <10 | 154 |
| CC42255 | | 0.14 | <10 | <10 | 62 | 10 | 98 |
| CC42256 | | 0.10 | <10 | <10 | 59 | <10 | 83 |
| CC42257 | | 0.04 | <10 | <10 | 32 | <10 | 45 |
| CC42258 | | 0.04 | <10 | <10 | 30 | <10 | 64 |
| CC42259 | | 0.02 | <10 | <10 | 15 | <10 | 18 |
| CC42260 | | 0.11 | <10 | <10 | 58 | <10 | 109 |
| CC42261 | | 0.07 | <10 | <10 | 51 | <10 | 81 |
| CC42262 | | 0.05 | <10 | <10 | 47 | <10 | 75 |
| CC42263 | | 0.02 | <10 | <10 | 27 | <10 | 81 |
| CC42264 | | 0.04 | <10 | <10 | 36 | <10 | 79 |
| CC42265 | | 0.05 | <10 | <10 | 29 | <10 | 34 |
| CC42266 | | 0.07 | <10 | <10 | 53 | <10 | 160 |
| CC42267 | | 0.08 | <10 | <10 | 55 | <10 | 155 |
| CC42268 | | 0.08 | <10 | <10 | 54 | <10 | 80 |
| CC42269 | | 0.05 | <10 | <10 | 46 | <10 | 67 |
| CC42270 | | 0.06 | <10 | <10 | 50 | <10 | 91 |
| CC42271 | | 0.02 | <10 | <10 | 19 | <10 | 43 |
| CC42272 | | 0.05 | <10 | <10 | 44 | <10 | 68 |
| CC42273 | | 0.04 | <10 | <10 | 37 | <10 | 64 |
| CC42274 | | 0.05 | <10 | <10 | 44 | <10 | 67 |
| CC42275 | | 0.08 | <10 | <10 | 49 | <10 | 76 |
| CC42276 | | 0.09 | <10 | <10 | 48 | <10 | 77 |
| CC42277 | | 0.03 | <10 | <10 | 27 | <10 | 25 |
| CC42278 | | 0.08 | <10 | <10 | 48 | <10 | 44 |
| CC42279 | | 0.12 | <10 | <10 | 64 | <10 | 88 |

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Project: CONNAUGHT GRID A AND B

# CERTIFICATE OF ANALYSIS VA07107507

| 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 |
| CC42280 | | 0.18 | 0.8 | 2.57 | 29 | <10 | 150 | 0.9 | 3 | 0.16 | <0.5 | 6 | 53 | 50 | 3.43 | 10 |
| CC42281 | | 0.12 | 1.5 | 1.05 | 25 | <10 | 170 | 0.6 | 2 | 0.30 | 0.5 | 3 | 14 | 55 | 1.16 | <10 |
| CC42282 | | 0.10 | 3.4 | 0.36 | 10 | <10 | 70 | <0.5 | <2 | 0.17 | 0.5 | 2 | 11 | 11 | 0.57 | <10 |
| CC42283 | | 0.26 | 4.3 | 1.10 | 212 | <10 | 80 | <0.5 | 5 | 0.14 | <0.5 | 3 | 19 | 28 | 1.75 | <10 |
| CC42284 | | 0.10 | 8.3 | 2.58 | 419 | <10 | 170 | 1.2 | 11 | 0.37 | 2.3 | 12 | 28 | 333 | 5.85 | 10 |
| CC42285 | | 0.16 | 15.8 | 1.14 | 145 | <10 | 100 | 0.6 | 10 | 0.26 | 1.3 | 6 | 19 | 106 | 3.29 | 10 |
| CC42286 | | 0.42 | 1.1 | 2.63 | 250 | <10 | 160 | 0.8 | 8 | 0.18 | <0.5 | 8 | 38 | 96 | 3.93 | 10 |
| CC42287 | | 0.18 | 0.8 | 2.29 | 88 | <10 | 120 | 0.9 | 4 | 0.11 | <0.5 | 15 | 28 | 47 | 4.35 | 10 |
| CC42288 | | 0.20 | 0.5 | 1.48 | 53 | <10 | 100 | 0.5 | <2 | 0.10 | <0.5 | 8 | 20 | 31 | 3.17 | 10 |
| CC42289 | | 0.12 | 2.4 | 0.59 | 4 | <10 | 60 | <0.5 | <2 | 0.13 | <0.5 | 2 | 8 | 10 | 0.68 | <10 |
| CC42290 | | 0.16 | 0.6 | 1.64 | 73 | <10 | 160 | 0.8 | 3 | 0.17 | 1.1 | 16 | 29 | 56 | 2.53 | <10 |
| CC42291 | | 0.46 | 4.4 | 1.98 | 146 | <10 | 120 | 0.8 | 4 | 0.26 | 0.6 | 10 | 30 | 63 | 3.31 | 10 |
| CC42292 | | 0.16 | 5.3 | 1.17 | 77 | <10 | 180 | 0.7 | 2 | 0.33 | 1.8 | 53 | 17 | 55 | 2.12 | <10 |
| CC42293 | | 0.18 | 1.0 | 1.47 | 67 | <10 | 240 | 0.8 | <2 | 0.35 | 0.9 | 87 | 24 | 59 | 2.84 | <10 |
| CC42294 | | 0.32 | 0.8 | 2.07 | 42 | <10 | 180 | 0.7 | 3 | 0.24 | <0.5 | 10 | 32 | 54 | 3.06 | 10 |
| CC42295 | | 0.20 | 1.2 | 1.72 | 31 | <10 | 150 | 0.5 | 3 | 0.17 | <0.5 | 8 | 27 | 43 | 2.52 | 10 |
| CC42296 | | 0.14 | 2.0 | 1.40 | 36 | <10 | 240 | 0.7 | <2 | 0.39 | 1.3 | 5 | 21 | 43 | 1.67 | <10 |
| CC42297 | | 0.16 | 0.7 | 1.37 | 14 | <10 | 250 | <0.5 | <2 | 0.29 | 0.5 | 7 | 37 | 34 | 1.65 | <10 |
| CC42298 | | 0.16 | 1.2 | 3.61 | 103 | <10 | 270 | 0.8 | <2 | 0.48 | 0.8 | 16 | 83 | 51 | 4.94 | 10 |
| CC42299 | | 0.26 | 1.3 | 3.64 | 16 | <10 | 520 | 0.9 | <2 | 1.45 | 0.7 | 9 | 51 | 65 | 2.72 | 10 |
| CC42300 | | 0.34 | 0.3 | 2.26 | 5 | <10 | 280 | 0.6 | <2 | 0.58 | <0.5 | 11 | 32 | 28 | 2.81 | 10 |
| CC42301 | | 0.36 | 0.4 | 2.36 | 9 | <10 | 280 | 0.5 | <2 | 0.46 | <0.5 | 9 | 33 | 25 | 2.77 | 10 |
| CC42302 | | 0.14 | 0.5 | 2.15 | 9 | <10 | 310 | <0.5 | <2 | 0.48 | <0.5 | 8 | 33 | 21 | 2.78 | 10 |
| CC42303 | | 0.28 | 0.3 | 2.01 | 5 | <10 | 250 | <0.5 | <2 | 0.39 | <0.5 | 7 | 31 | 18 | 2.52 | 10 |
| CC42304 | | 0.20 | 0.3 | 2.06 | 2 | <10 | 260 | <0.5 | <2 | 0.33 | <0.5 | 8 | 31 | 18 | 2.64 | 10 |
| CC42305 | | 0.28 | 0.2 | 2.23 | 5 | <10 | 270 | 0.5 | <2 | 0.35 | <0.5 | 9 | 32 | 20 | 3.12 | 10 |
| CC42306 | | 0.18 | 0.8 | 1.91 | 67 | <10 | 240 | 1.1 | 3 | 0.32 | 0.5 | 5 | 26 | 36 | 3.15 | 10 |
| CC42307 | | 0.32 | 0.4 | 2.47 | 67 | <10 | 160 | 1.3 | 5 | 0.36 | <0.5 | 9 | 26 | 37 | 3.03 | 10 |
| CC42308 | | 0.20 | 0.3 | 2.43 | 41 | <10 | 170 | 1.1 | 4 | 0.32 | <0.5 | 9 | 31 | 28 | 3.13 | 10 |
| CC42309 | | 0.14 | 0.5 | 2.07 | 21 | <10 | 180 | 1.4 | 3 | 0.35 | <0.5 | 7 | 23 | 31 | 2.82 | 10 |
| CC42310 | | 0.18 | 0.5 | 1.86 | 10 | <10 | 150 | 0.7 | 2 | 0.20 | <0.5 | 5 | 25 | 21 | 2.83 | 10 |
| CC42311 | | 0.16 | 0.4 | 3.08 | 20 | <10 | 190 | 1.0 | 2 | 0.26 | <0.5 | 10 | 47 | 52 | 3.48 | 10 |
| CC42312 | | 0.22 | 0.8 | 2.30 | 145 | <10 | 150 | 0.7 | 2 | 0.21 | 2.3 | 7 | 39 | 47 | 3.42 | 10 |
| CC42313 | | 0.24 | 0.9 | 2.77 | 249 | <10 | 170 | 1.0 | 2 | 0.23 | 1.2 | 13 | 56 | 101 | 3.73 | 10 |
| CC42314 | | 0.18 | 9.4 | 2.02 | 898 | <10 | 150 | 0.6 | 19 | 0.22 | 1.0 | 7 | 41 | 65 | 3.79 | 10 |
| CC42315 | | 0.26 | 3.9 | 1.36 | 175 | <10 | 110 | 0.5 | 3 | 0.25 | 0.5 | 4 | 16 | 110 | 3.41 | 10 |
| CC42316 | | 0.30 | 5.0 | 3.00 | 344 | <10 | 170 | 1.2 | 12 | 0.43 | <0.5 | 9 | 42 | 240 | 10.15 | 20 |
| CC42317 | | 0.24 | 1.0 | 2.84 | 122 | <10 | 230 | 0.9 | 6 | 0.25 | <0.5 | 8 | 41 | 113 | 3.70 | 10 |
| CC42318 | | 0.36 | 0.9 | 2.74 | 75 | <10 | 220 | 0.9 | 4 | 0.20 | <0.5 | 13 | 35 | 92 | 4.72 | 10 |
| CC42319 | | 0.28 | 0.2 | 2.65 | 61 | <10 | 170 | 0.8 | 3 | 0.23 | <0.5 | 12 | 34 | 48 | 3.96 | 10 |

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Project: CONNAUGHT GRID A AND B


Finalized Date: 25-OCT-2007
Account: RCM

## CERTIFICATE OF ANALYSIS VA07107507

| 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 |
| CC42280 | | 1 | 0.29 | 10 | 1.00 | 359 | 1 | 0.01 | 21 | 490 | 46 | 0.05 | 2 | 5 | 25 | <20 |
| CC42281 | | <1 | 0.05 | 20 | 0.16 | 72 | 1 | 0.03 | 11 | 1140 | 39 | 0.14 | 2 | 1 | 37 | <20 |
| CC42282 | | <1 | 0.08 | 10 | 0.08 | 54 | <1 | 0.03 | 7 | 1290 | 18 | 0.12 | <2 | <1 | 17 | <20 |
| CC42283 | | <1 | 0.09 | 10 | 0.22 | 158 | 1 | 0.03 | 12 | 880 | 164 | 0.11 | 2 | 1 | 19 | <20 |
| CC42284 | | 1 | 0.29 | 20 | 0.91 | 425 | 6 | 0.03 | 25 | 1310 | 337 | 0.32 | 5 | 4 | 54 | <20 |
| CC42285 | | <1 | 0.25 | 20 | 0.29 | 207 | 1 | 0.02 | 12 | 1580 | 195 | 0.46 | 3 | 1 | 31 | <20 |
| CC42286 | | <1 | 0.36 | 20 | 1.03 | 204 | 3 | 0.01 | 23 | 470 | 89 | 0.05 | <2 | 5 | 22 | <20 |
| CC42287 | | <1 | 0.28 | 20 | 0.65 | 506 | 10 | 0.02 | 19 | 890 | 80 | 0.18 | <2 | 3 | 25 | <20 |
| CC42288 | | 1 | 0.11 | 20 | 0.28 | 223 | 7 | 0.02 | 11 | 820 | 104 | 0.15 | <2 | 1 | 19 | <20 |
| CC42289 | | <1 | 0.04 | <10 | 0.05 | 54 | <1 | 0.03 | 6 | 960 | 9 | 0.11 | <2 | <1 | 16 | <20 |
| CC42290 | | <1 | 0.14 | 20 | 0.49 | 525 | 7 | 0.03 | 19 | 600 | 92 | 0.05 | <2 | 3 | 23 | <20 |
| CC42291 | | <1 | 0.18 | 20 | 0.66 | 428 | 19 | 0.02 | 21 | 870 | 761 | 0.06 | 12 | 4 | 24 | <20 |
| CC42292 | | <1 | 0.10 | 20 | 0.24 | 2150 | 20 | 0.03 | 14 | 1720 | 934 | 0.21 | 7 | 1 | 33 | <20 |
| CC42293 | | <1 | 0.10 | 20 | 0.40 | 7210 | 12 | 0.03 | 25 | 1230 | 182 | 0.15 | <2 | 3 | 35 | <20 |
| CC42294 | | <1 | 0.12 | 20 | 0.65 | 564 | 11 | 0.02 | 21 | 760 | 65 | 0.03 | <2 | 4 | 22 | <20 |
| CC42295 | | <1 | 0.07 | 10 | 0.52 | 408 | 14 | 0.02 | 17 | 680 | 66 | 0.06 | 2 | 2 | 18 | <20 |
| CC42296 | | <1 | 0.06 | 30 | 0.38 | 296 | 2 | 0.03 | 17 | 1110 | 146 | 0.12 | <2 | 2 | 32 | <20 |
| CC42297 | | 1 | 0.07 | 10 | 0.34 | 389 | 2 | 0.05 | 25 | 810 | 36 | 0.08 | <2 | 2 | 27 | <20 |
| CC42298 | | 1 | 0.26 | 20 | 1.50 | 628 | 11 | 0.03 | 53 | 1170 | 355 | 0.07 | 2 | 7 | 38 | <20 |
| CC42299 | | <1 | 0.11 | 30 | 0.96 | 546 | 4 | 0.04 | 35 | 1320 | 67 | 0.19 | <2 | 6 | 58 | <20 |
| CC42300 | | 1 | 0.18 | 20 | 0.71 | 493 | 1 | 0.05 | 21 | 650 | 29 | 0.04 | <2 | 5 | 33 | <20 |
| CC42301 | | <1 | 0.16 | 20 | 0.71 | 321 | <1 | 0.04 | 23 | 660 | 30 | 0.04 | <2 | 5 | 30 | <20 |
| CC42302 | | <1 | 0.19 | 20 | 0.56 | 474 | 1 | 0.06 | 19 | 780 | 18 | 0.06 | <2 | 4 | 38 | <20 |
| CC42303 | | <1 | 0.13 | 20 | 0.61 | 343 | <1 | 0.05 | 20 | 660 | 30 | 0.04 | <2 | 4 | 29 | <20 |
| CC42304 | | <1 | 0.16 | 20 | 0.59 | 366 | 1 | 0.05 | 18 | 670 | 22 | 0.05 | 2 | 4 | 27 | <20 |
| CC42305 | | <1 | 0.17 | 20 | 0.68 | 360 | 1 | 0.05 | 21 | 620 | 16 | 0.03 | <2 | 5 | 27 | <20 |
| CC42306 | | <1 | 0.33 | 30 | 0.62 | 385 | 1 | 0.05 | 14 | 480 | 59 | 0.07 | 2 | 3 | 45 | <20 |
| CC42307 | | <1 | 0.22 | 20 | 0.86 | 482 | 1 | 0.04 | 18 | 590 | 61 | 0.04 | <2 | 4 | 38 | <20 |
| CC42308 | | <1 | 0.34 | 20 | 0.86 | 557 | 2 | 0.06 | 17 | 530 | 54 | 0.05 | <2 | 4 | 40 | <20 |
| CC42309 | | <1 | 0.20 | 20 | 0.55 | 319 | 1 | 0.10 | 16 | 700 | 32 | 0.07 | <2 | 3 | 48 | <20 |
| CC42310 | | <1 | 0.24 | 20 | 0.51 | 364 | 1 | 0.06 | 12 | 640 | 24 | 0.07 | <2 | 2 | 28 | <20 |
| CC42311 | | <1 | 0.26 | 20 | 1.09 | 413 | 1 | 0.05 | 27 | 510 | 27 | 0.05 | 3 | 6 | 34 | <20 |
| CC42312 | | <1 | 0.23 | 20 | 0.55 | 382 | 2 | 0.05 | 20 | 520 | 229 | 0.05 | 26 | 4 | 33 | <20 |
| CC42313 | | 1 | 0.27 | 20 | 0.68 | 671 | 1 | 0.04 | 33 | 610 | 146 | 0.05 | 7 | 4 | 38 | <20 |
| CC42314 | | <1 | 0.33 | 20 | 0.48 | 307 | 2 | 0.08 | 21 | 580 | 358 | 0.11 | 9 | 4 | 41 | <20 |
| CC42315 | | <1 | 0.28 | 10 | 0.37 | 170 | 1 | 0.11 | 11 | 680 | 167 | 0.34 | 3 | 2 | 38 | <20 |
| CC42316 | | 1 | 0.98 | 20 | 1.44 | 505 | 5 | 0.04 | 23 | 690 | 367 | 0.63 | 8 | 6 | 41 | <20 |
| CC42317 | | <1 | 0.51 | 30 | 1.17 | 232 | 3 | 0.04 | 22 | 490 | 96 | 0.07 | 3 | 8 | 36 | <20 |
| CC42318 | | <1 | 0.64 | 30 | 1.10 | 298 | 6 | 0.05 | 23 | 650 | 71 | 0.24 | 2 | 7 | 34 | <20 |
| CC42319 | | <1 | 0.31 | 20 | 0.79 | 415 | 3 | 0.05 | 25 | 610 | 56 | 0.11 | <2 | 5 | 26 | <20 |

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Finalized Date: 25-OCT-2007
Account: RCM

Project: CONNAUGHT GRID A AND B

## CERTIFICATE OF ANALYSIS VA07107507

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC42280 | | 0.14 | <10 | <10 | 83 | <10 | 80 |
| CC42281 | | 0.03 | <10 | <10 | 18 | <10 | 32 |
| CC42282 | | 0.02 | <10 | <10 | 13 | <10 | 63 |
| CC42283 | | 0.05 | <10 | <10 | 34 | <10 | 63 |
| CC42284 | | 0.05 | <10 | <10 | 42 | 80 | 148 |
| CC42285 | | 0.02 | <10 | <10 | 22 | 150 | 70 |
| CC42286 | | 0.11 | <10 | <10 | 54 | <10 | 79 |
| CC42287 | | 0.10 | <10 | <10 | 56 | <10 | 68 |
| CC42288 | | 0.06 | <10 | <10 | 56 | 10 | 49 |
| CC42289 | | 0.02 | <10 | <10 | 14 | <10 | 24 |
| CC42290 | | 0.07 | <10 | <10 | 41 | <10 | 87 |
| CC42291 | | 0.09 | <10 | <10 | 53 | <10 | 139 |
| CC42292 | | 0.02 | <10 | <10 | 34 | <10 | 74 |
| CC42293 | | 0.05 | <10 | <10 | 41 | <10 | 88 |
| CC42294 | | 0.08 | <10 | <10 | 51 | <10 | 116 |
| CC42295 | | 0.06 | <10 | <10 | 45 | <10 | 91 |
| CC42296 | | 0.04 | <10 | <10 | 28 | <10 | 95 |
| CC42297 | | 0.04 | <10 | <10 | 34 | <10 | 67 |
| CC42298 | | 0.17 | <10 | <10 | 102 | <10 | 280 |
| CC42299 | | 0.07 | <10 | <10 | 71 | <10 | 137 |
| CC42300 | | 0.07 | <10 | <10 | 51 | <10 | 91 |
| CC42301 | | 0.07 | <10 | <10 | 53 | <10 | 91 |
| CC42302 | | 0.07 | <10 | <10 | 53 | <10 | 69 |
| CC42303 | | 0.07 | <10 | <10 | 54 | <10 | 73 |
| CC42304 | | 0.07 | <10 | <10 | 57 | <10 | 61 |
| CC42305 | | 0.08 | <10 | <10 | 59 | <10 | 66 |
| CC42306 | | 0.11 | <10 | <10 | 61 | <10 | 78 |
| CC42307 | | 0.10 | <10 | <10 | 54 | <10 | 98 |
| CC42308 | | 0.10 | <10 | <10 | 54 | <10 | 78 |
| CC42309 | | 0.09 | <10 | <10 | 54 | <10 | 59 |
| CC42310 | | 0.09 | <10 | <10 | 54 | <10 | 53 |
| CC42311 | | 0.13 | <10 | <10 | 70 | <10 | 72 |
| CC42312 | | 0.11 | <10 | <10 | 74 | <10 | 263 |
| CC42313 | | 0.10 | <10 | <10 | 75 | <10 | 231 |
| CC42314 | | 0.10 | <10 | <10 | 63 | <10 | 138 |
| CC42315 | | 0.06 | <10 | <10 | 34 | 60 | 76 |
| CC42316 | | 0.12 | <10 | <10 | 60 | 420 | 127 |
| CC42317 | | 0.12 | <10 | <10 | 59 | 10 | 74 |
| CC42318 | | 0.13 | <10 | <10 | 58 | 10 | 75 |
| CC42319 | | 0.12 | <10 | <10 | 61 | <10 | 69 |

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Project: CONNAUGHT GRID A AND B



# CERTIFICATE OF ANALYSIS VA07107507

| 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 |
| CC42320 | | 0.22 | 0.4 | 0.84 | 7 | <10 | 40 | <0.5 | <2 | 0.22 | <0.5 | 3 | 10 | 11 | 1.72 | <10 |
| CC42321 | | 0.18 | 11.5 | 2.73 | 384 | <10 | 170 | 1.1 | 5 | 0.31 | 0.9 | 13 | 36 | 77 | 4.39 | 10 |
| CC42322 | | 0.20 | 9.8 | 2.76 | 353 | <10 | 160 | 0.9 | 8 | 0.21 | 0.9 | 9 | 31 | 85 | 3.89 | 10 |
| CC42323 | | 0.20 | 1.1 | 0.50 | 11 | <10 | 40 | <0.5 | <2 | 0.21 | <0.5 | 2 | 5 | 10 | 1.02 | <10 |
| CC42324 | | 0.42 | 1.5 | 2.64 | 130 | <10 | 150 | 0.9 | 3 | 0.21 | <0.5 | 12 | 36 | 50 | 3.86 | 10 |
| CC42325 | | 0.26 | 2.2 | 1.97 | 44 | <10 | 200 | 0.7 | 5 | 0.30 | <0.5 | 27 | 28 | 64 | 3.87 | 10 |
| CC42326 | | 0.28 | 1.8 | 2.68 | 135 | <10 | 180 | 0.6 | 2 | 0.37 | <0.5 | 14 | 38 | 34 | 3.48 | 10 |
| CC42327 | | 0.38 | 0.9 | 2.52 | 64 | <10 | 230 | 0.7 | <2 | 0.39 | 0.6 | 11 | 44 | 46 | 3.46 | 10 |
| CC42328 | | 0.24 | 0.8 | 2.49 | 71 | <10 | 250 | 0.6 | 2 | 0.41 | <0.5 | 11 | 52 | 37 | 3.39 | 10 |
| CC42329 | | 0.08 | 0.9 | 3.01 | 246 | <10 | 300 | 0.8 | 2 | 0.44 | <0.5 | 14 | 64 | 50 | 3.99 | 10 |
| CC42330 | | 0.20 | 0.7 | 2.18 | 107 | <10 | 200 | 0.5 | <2 | 0.36 | <0.5 | 9 | 41 | 29 | 2.91 | 10 |
| CC42331 | | 0.40 | 1.0 | 2.82 | 82 | <10 | 220 | 0.7 | <2 | 0.29 | <0.5 | 13 | 51 | 40 | 3.52 | 10 |
| CC42332 | | 0.30 | 0.7 | 2.27 | 12 | <10 | 260 | 0.6 | <2 | 0.73 | 0.6 | 10 | 32 | 33 | 2.89 | 10 |
| CC42333 | | 0.20 | 0.3 | 2.10 | 6 | <10 | 320 | 0.5 | <2 | 0.73 | <0.5 | 8 | 33 | 26 | 2.79 | 10 |
| CC42334 | | 0.32 | 0.5 | 3.23 | 11 | <10 | 400 | 0.6 | <2 | 0.63 | 0.6 | 12 | 48 | 32 | 4.07 | 10 |
| CC42335 | | 0.22 | 0.3 | 3.09 | 10 | <10 | 400 | 0.6 | <2 | 0.62 | <0.5 | 9 | 45 | 27 | 3.77 | 10 |
| CC42336 | | 0.32 | 0.3 | 2.82 | 7 | <10 | 330 | 0.5 | <2 | 0.37 | <0.5 | 7 | 40 | 32 | 3.31 | 10 |
| CC42337 | | 0.18 | 1.6 | 2.34 | 80 | <10 | 210 | 1.0 | 6 | 0.36 | <0.5 | 6 | 36 | 45 | 3.07 | 10 |
| CC42338 | | 0.18 | 0.9 | 1.70 | 39 | <10 | 200 | 0.6 | 2 | 0.27 | <0.5 | 5 | 24 | 26 | 2.46 | 10 |
| CC42339 | | 0.14 | 1.0 | 1.28 | 8 | <10 | 160 | 0.9 | <2 | 0.52 | <0.5 | 4 | 14 | 22 | 1.49 | <10 |
| CC42340 | | 0.24 | 0.5 | 3.76 | 18 | <10 | 250 | 1.4 | 5 | 0.65 | <0.5 | 15 | 59 | 70 | 3.95 | 10 |
| CC42341 | | 0.30 | 0.8 | 2.88 | 63 | <10 | 180 | 1.0 | 8 | 0.42 | <0.5 | 11 | 53 | 130 | 3.41 | 10 |
| CC42342 | | 0.22 | 0.8 | 2.90 | 16 | <10 | 230 | 0.8 | 5 | 0.35 | <0.5 | 8 | 52 | 81 | 3.43 | 10 |
| CC42343 | | 0.16 | 1.1 | 0.65 | 19 | <10 | 80 | <0.5 | <2 | 0.19 | 0.6 | 2 | 10 | 13 | 1.38 | <10 |
| CC42344 | | 0.50 | 24.9 | 2.62 | 1840 | <10 | 120 | 1.0 | 59 | 0.26 | 2.6 | 9 | 66 | 139 | 3.75 | 10 |
| CC42345 | | 0.12 | 1.2 | 1.13 | 39 | <10 | 120 | <0.5 | <2 | 0.35 | 0.7 | 4 | 14 | 25 | 1.98 | <10 |
| CC42346 | | 0.32 | 2.3 | 3.34 | 219 | <10 | 160 | 1.3 | 5 | 0.40 | <0.5 | 9 | 43 | 206 | 5.68 | 10 |
| CC42347 | | 0.16 | 0.5 | 1.25 | 62 | <10 | 150 | <0.5 | 2 | 0.18 | <0.5 | 4 | 19 | 40 | 2.73 | 10 |
| CC42348 | | 0.16 | 0.6 | 2.76 | 61 | <10 | 190 | 1.0 | <2 | 0.21 | <0.5 | 12 | 37 | 67 | 4.19 | 10 |
| CC42349 | | 0.14 | 0.8 | 0.50 | 7 | <10 | 140 | <0.5 | <2 | 0.19 | <0.5 | 2 | 9 | 13 | 1.09 | <10 |
| CC42350 | | 0.12 | 0.5 | 0.86 | 22 | <10 | 80 | <0.5 | 2 | 0.18 | <0.5 | 3 | 12 | 20 | 1.29 | <10 |
| CC42351 | | 0.24 | 13.5 | 1.47 | 203 | <10 | 80 | 0.6 | 2 | 0.21 | 1.0 | 6 | 21 | 48 | 2.41 | <10 |
| CC42352 | | 0.18 | 4.1 | 2.16 | 134 | <10 | 200 | 0.9 | 4 | 0.27 | 0.8 | 11 | 30 | 79 | 3.36 | 10 |
| CC42353 | | 0.18 | 1.9 | 1.54 | 45 | <10 | 140 | 0.5 | 2 | 0.23 | <0.5 | 9 | 29 | 48 | 2.60 | 10 |
| CC42354 | | 0.16 | 3.1 | 2.06 | 38 | <10 | 230 | 0.7 | 4 | 0.35 | 0.6 | 11 | 32 | 79 | 2.93 | 10 |
| CC42355 | | 0.16 | 4.2 | 1.80 | 102 | <10 | 150 | <0.5 | <2 | 0.28 | 3.1 | 9 | 28 | 23 | 2.71 | 10 |
| CC42356 | | 0.20 | 0.5 | 1.51 | 98 | <10 | 120 | <0.5 | <2 | 0.32 | 0.8 | 7 | 40 | 41 | 3.01 | 10 |
| CC42357 | | 0.20 | 1.5 | 1.76 | 91 | <10 | 180 | 0.8 | <2 | 0.56 | 1.3 | 12 | 51 | 53 | 2.70 | <10 |
| CC42358 | | 0.16 | 1.4 | 1.44 | 88 | <10 | 290 | 0.7 | <2 | 0.68 | 3.3 | 5 | 25 | 59 | 1.81 | <10 |
| CC42359 | | 0.30 | 1.0 | 2.27 | 67 | <10 | 200 | 0.6 | <2 | 0.30 | <0.5 | 10 | 43 | 40 | 2.97 | 10 |

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Project: CONNAUGHT GRID A AND B

# CERTIFICATE OF ANALYSIS VA07107507

| 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 |
| CC42320 | | <1 | 0.08 | <10 | 0.17 | 141 | 1 | 0.15 | 4 | 330 | 17 | 0.04 | <2 | 1 | 35 | <20 |
| CC42321 | | <1 | 0.49 | 30 | 0.75 | 567 | 10 | 0.06 | 28 | 770 | 2220 | 0.19 | 23 | 6 | 33 | <20 |
| CC42322 | | 1 | 0.31 | 20 | 0.59 | 358 | 32 | 0.06 | 21 | 740 | 1940 | 0.14 | 29 | 4 | 29 | <20 |
| CC42323 | | <1 | 0.08 | <10 | 0.16 | 95 | 1 | 0.12 | 3 | 540 | 99 | 0.02 | <2 | 1 | 26 | <20 |
| CC42324 | | 1 | 0.33 | 30 | 0.92 | 316 | 6 | 0.02 | 23 | 700 | 146 | 0.03 | 2 | 5 | 22 | <20 |
| CC42325 | | <1 | 0.20 | 20 | 0.51 | 930 | 118 | 0.05 | 17 | 1010 | 107 | 0.09 | 2 | 4 | 29 | <20 |
| CC42326 | | 1 | 0.26 | 20 | 0.97 | 761 | 3 | 0.05 | 21 | 770 | 416 | 0.03 | 3 | 5 | 29 | <20 |
| CC42327 | | <1 | 0.23 | 20 | 0.92 | 428 | 3 | 0.04 | 32 | 740 | 94 | 0.04 | <2 | 6 | 31 | <20 |
| CC42328 | | <1 | 0.24 | 20 | 0.98 | 504 | 1 | 0.06 | 30 | 700 | 81 | 0.05 | <2 | 6 | 33 | <20 |
| CC42329 | | <1 | 0.35 | 20 | 1.06 | 493 | 2 | 0.08 | 35 | 680 | 92 | 0.04 | 2 | 7 | 39 | <20 |
| CC42330 | | <1 | 0.22 | 10 | 0.80 | 590 | 1 | 0.07 | 25 | 630 | 50 | 0.04 | 2 | 5 | 34 | <20 |
| CC42331 | | <1 | 0.21 | 20 | 0.95 | 525 | 1 | 0.04 | 30 | 690 | 103 | 0.04 | 2 | 6 | 27 | <20 |
| CC42332 | | <1 | 0.19 | 30 | 0.65 | 580 | 1 | 0.05 | 25 | 730 | 36 | 0.07 | 2 | 5 | 43 | <20 |
| CC42333 | | <1 | 0.21 | 20 | 0.55 | 526 | 1 | 0.07 | 20 | 740 | 23 | 0.06 | <2 | 4 | 50 | <20 |
| CC42334 | | 1 | 0.29 | 30 | 0.97 | 504 | 1 | 0.07 | 32 | 860 | 28 | 0.06 | <2 | 6 | 48 | <20 |
| CC42335 | | <1 | 0.25 | 30 | 0.90 | 399 | 1 | 0.08 | 26 | 800 | 22 | 0.06 | <2 | 6 | 48 | <20 |
| CC42336 | | 1 | 0.19 | 20 | 0.75 | 295 | 1 | 0.08 | 24 | 690 | 18 | 0.04 | <2 | 5 | 35 | <20 |
| CC42337 | | 1 | 0.36 | 20 | 0.83 | 344 | 2 | 0.06 | 14 | 770 | 80 | 0.12 | 2 | 4 | 58 | <20 |
| CC42338 | | 1 | 0.19 | 20 | 0.46 | 230 | 1 | 0.05 | 13 | 910 | 33 | 0.11 | 2 | 2 | 34 | <20 |
| CC42339 | | <1 | 0.14 | 20 | 0.29 | 210 | 1 | 0.04 | 9 | 1200 | 17 | 0.15 | <2 | 1 | 48 | <20 |
| CC42340 | | 1 | 0.45 | 20 | 1.64 | 609 | 1 | 0.06 | 35 | 690 | 45 | 0.03 | 2 | 8 | 72 | <20 |
| CC42341 | | 1 | 0.28 | 20 | 1.17 | 370 | 1 | 0.04 | 33 | 640 | 42 | 0.04 | 2 | 6 | 51 | <20 |
| CC42342 | | 1 | 0.32 | 20 | 1.30 | 346 | 1 | 0.05 | 26 | 590 | 30 | 0.05 | 2 | 6 | 42 | <20 |
| CC42343 | | <1 | 0.12 | 10 | 0.11 | 117 | <1 | 0.10 | 6 | 460 | 53 | 0.04 | 7 | 1 | 32 | <20 |
| CC42344 | | 1 | 0.31 | 20 | 0.96 | 355 | 1 | 0.03 | 43 | 730 | 2350 | 0.12 | 31 | 5 | 33 | <20 |
| CC42345 | | <1 | 0.12 | 10 | 0.22 | 167 | 1 | 0.12 | 10 | 660 | 56 | 0.09 | <2 | 1 | 47 | <20 |
| CC42346 | | <1 | 0.47 | 30 | 1.24 | 323 | 2 | 0.03 | 31 | 550 | 217 | 0.05 | 6 | 7 | 40 | <20 |
| CC42347 | | <1 | 0.33 | 20 | 0.28 | 178 | 2 | 0.07 | 10 | 1010 | 32 | 0.17 | <2 | 1 | 29 | <20 |
| CC42348 | | <1 | 0.44 | 20 | 0.69 | 399 | 3 | 0.06 | 22 | 720 | 45 | 0.15 | 2 | 5 | 29 | <20 |
| CC42349 | | <1 | 0.09 | 10 | 0.06 | 114 | 1 | 0.04 | 5 | 1220 | 12 | 0.12 | <2 | 1 | 19 | <20 |
| CC42350 | | <1 | 0.06 | 10 | 0.17 | 106 | 1 | 0.03 | 7 | 780 | 43 | 0.11 | <2 | 1 | 20 | <20 |
| CC42351 | | <1 | 0.11 | 20 | 0.37 | 161 | 3 | 0.03 | 16 | 870 | 2800 | 0.13 | 19 | 2 | 24 | <20 |
| CC42352 | | <1 | 0.21 | 30 | 0.71 | 453 | 16 | 0.02 | 23 | 890 | 836 | 0.10 | 5 | 4 | 30 | <20 |
| CC42353 | | <1 | 0.13 | 10 | 0.50 | 239 | 19 | 0.02 | 17 | 1320 | 63 | 0.13 | <2 | 2 | 22 | <20 |
| CC42354 | | <1 | 0.13 | 20 | 0.58 | 454 | 51 | 0.02 | 22 | 1270 | 96 | 0.14 | 2 | 3 | 34 | <20 |
| CC42355 | | <1 | 0.13 | 10 | 0.75 | 721 | 2 | 0.02 | 17 | 570 | 219 | 0.05 | 2 | 3 | 24 | <20 |
| CC42356 | | <1 | 0.13 | 10 | 0.79 | 361 | 2 | 0.02 | 32 | 840 | 59 | 0.07 | 7 | 3 | 26 | <20 |
| CC42357 | | 1 | 0.13 | 20 | 0.73 | 504 | 2 | 0.02 | 43 | 1030 | 99 | 0.14 | <2 | 3 | 40 | <20 |
| CC42358 | | <1 | 0.08 | 30 | 0.44 | 324 | 1 | 0.03 | 27 | 990 | 53 | 0.16 | <2 | 3 | 52 | <20 |
| CC42359 | | <1 | 0.16 | 20 | 0.82 | 522 | 1 | 0.02 | 30 | 710 | 67 | 0.05 | 2 | 4 | 26 | <20 |

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Finalized Date: 25-OCT-2007
Account: RCM

Project: CONNAUGHT GRID A AND B

## CERTIFICATE OF ANALYSIS VA07107507

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC42320 | | 0.07 | <10 | <10 | 29 | <10 | 20 |
| CC42321 | | 0.11 | <10 | <10 | 62 | <10 | 152 |
| CC42322 | | 0.06 | <10 | <10 | 56 | <10 | 128 |
| CC42323 | | 0.04 | <10 | <10 | 15 | <10 | 19 |
| CC42324 | | 0.09 | <10 | <10 | 53 | <10 | 90 |
| CC42325 | | 0.07 | <10 | <10 | 60 | <10 | 92 |
| CC42326 | | 0.11 | <10 | <10 | 64 | <10 | 224 |
| CC42327 | | 0.12 | <10 | <10 | 73 | <10 | 183 |
| CC42328 | | 0.12 | <10 | <10 | 73 | <10 | 154 |
| CC42329 | | 0.14 | <10 | <10 | 89 | <10 | 153 |
| CC42330 | | 0.11 | <10 | <10 | 61 | <10 | 127 |
| CC42331 | | 0.11 | <10 | <10 | 66 | <10 | 162 |
| CC42332 | | 0.07 | <10 | <10 | 51 | <10 | 115 |
| CC42333 | | 0.07 | <10 | <10 | 48 | <10 | 78 |
| CC42334 | | 0.12 | <10 | <10 | 78 | <10 | 115 |
| CC42335 | | 0.10 | <10 | <10 | 73 | <10 | 95 |
| CC42336 | | 0.10 | <10 | <10 | 70 | <10 | 75 |
| CC42337 | | 0.10 | <10 | <10 | 63 | <10 | 93 |
| CC42338 | | 0.07 | <10 | <10 | 50 | <10 | 62 |
| CC42339 | | 0.04 | <10 | <10 | 23 | <10 | 46 |
| CC42340 | | 0.16 | <10 | <10 | 83 | 10 | 93 |
| CC42341 | | 0.13 | <10 | <10 | 70 | 10 | 78 |
| CC42342 | | 0.12 | <10 | <10 | 69 | <10 | 68 |
| CC42343 | | 0.05 | <10 | <10 | 28 | <10 | 30 |
| CC42344 | | 0.09 | <10 | <10 | 59 | <10 | 387 |
| CC42345 | | 0.05 | <10 | <10 | 31 | <10 | 42 |
| CC42346 | | 0.12 | <10 | <10 | 54 | 70 | 138 |
| CC42347 | | 0.04 | <10 | <10 | 38 | 10 | 30 |
| CC42348 | | 0.11 | <10 | <10 | 59 | <10 | 62 |
| CC42349 | | 0.02 | <10 | <10 | 16 | <10 | 29 |
| CC42350 | | 0.03 | <10 | <10 | 24 | <10 | 33 |
| CC42351 | | 0.05 | <10 | <10 | 35 | <10 | 86 |
| CC42352 | | 0.07 | <10 | <10 | 46 | <10 | 136 |
| CC42353 | | 0.04 | <10 | <10 | 36 | <10 | 72 |
| CC42354 | | 0.05 | <10 | <10 | 46 | <10 | 115 |
| CC42355 | | 0.08 | <10 | <10 | 54 | <10 | 205 |
| CC42356 | | 0.09 | <10 | <10 | 67 | <10 | 179 |
| CC42357 | | 0.07 | <10 | <10 | 63 | <10 | 144 |
| CC42358 | | 0.04 | <10 | <10 | 32 | <10 | 137 |
| CC42359 | | 0.09 | <10 | <10 | 58 | <10 | 171 |

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Finalized Date: 25-OCT-2007
Account: RCM

Project: CONNAUGHT GRID A AND B

## CERTIFICATE OF ANALYSIS VA07107507

| Sample Description | Method / Analyte / Units / LOR | WEI-21 Recvd Wt. kg 0.02 | ME-ICP41 Ag ppm 0.2 | ME-ICP41 Al % 0.01 | ME-ICP41 As ppm 2 | ME-ICP41 B ppm 10 | ME-ICP41 Ba ppm 10 | ME-ICP41 Be ppm 0.5 | ME-ICP41 Bi ppm 2 | ME-ICP41 Ca % 0.01 | ME-ICP41 Cd ppm 0.5 | ME-ICP41 Co ppm 1 | ME-ICP41 Cr ppm 1 | ME-ICP41 Cu ppm 1 | ME-ICP41 Fe % 0.01 | ME-ICP41 Ga ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CC42360 | | 0.18 | 0.7 | 1.17 | 14 | <10 | 180 | <0.5 | <2 | 0.25 | 1.0 | 4 | 31 | 23 | 1.28 | <10 |
| CC42361 | | 0.16 | 1.4 | 2.19 | 130 | <10 | 220 | 0.6 | 2 | 0.28 | 1.1 | 10 | 47 | 45 | 3.18 | 10 |
| CC42362 | | 0.36 | 0.8 | 1.58 | 59 | <10 | 180 | 0.5 | <2 | 0.32 | <0.5 | 8 | 33 | 41 | 2.34 | <10 |
| CC42363 | | 0.26 | 0.5 | 1.81 | 11 | <10 | 260 | <0.5 | <2 | 0.37 | <0.5 | 6 | 28 | 19 | 2.19 | 10 |
| CC42364 | | 0.18 | 0.2 | 1.40 | 3 | <10 | 140 | <0.5 | <2 | 0.17 | <0.5 | 5 | 22 | 14 | 1.75 | 10 |
| CC42365 | | 0.14 | 0.2 | 1.50 | 5 | <10 | 160 | <0.5 | <2 | 0.21 | <0.5 | 6 | 22 | 20 | 1.73 | 10 |
| CC42366 | | 0.24 | 0.4 | 1.63 | 8 | <10 | 230 | <0.5 | <2 | 0.32 | <0.5 | 6 | 25 | 15 | 2.17 | <10 |
| CC42367 | | 0.24 | 0.3 | 1.90 | 9 | <10 | 230 | <0.5 | <2 | 0.33 | <0.5 | 9 | 31 | 19 | 2.65 | 10 |
| CC42368 | | 0.26 | 2.6 | 2.92 | 104 | <10 | 220 | 2.4 | 11 | 0.45 | 0.5 | 14 | 38 | 169 | 3.18 | 10 |
| CC42369 | | 0.30 | 0.9 | 2.53 | 87 | <10 | 170 | 1.5 | 6 | 0.33 | <0.5 | 8 | 32 | 63 | 2.54 | 10 |
| CC42370 | | 0.18 | <0.2 | 0.89 | 30 | <10 | 50 | <0.5 | 2 | 0.09 | <0.5 | 2 | 16 | 10 | 2.09 | 10 |
| CC42371 | | 0.26 | 0.3 | 2.71 | 22 | <10 | 150 | 1.0 | 2 | 0.30 | <0.5 | 12 | 43 | 46 | 3.31 | 10 |
| CC42372 | | 0.14 | 0.3 | 0.94 | 5 | <10 | 110 | <0.5 | 2 | 0.14 | <0.5 | 3 | 27 | 32 | 1.80 | 10 |
| CC42373 | | 0.30 | 1.0 | 2.59 | 42 | <10 | 180 | 0.8 | 5 | 0.32 | <0.5 | 9 | 48 | 115 | 3.08 | 10 |
| CC42374 | | 0.30 | 2.5 | 2.36 | 1840 | <10 | 140 | 1.3 | 6 | 0.16 | 3.4 | 12 | 56 | 139 | 4.10 | 10 |
| CC42375 | | 0.24 | 1.4 | 2.22 | 248 | <10 | 110 | 0.8 | 5 | 0.21 | 1.9 | 8 | 44 | 54 | 3.33 | 10 |
| CC42376 | | 0.18 | 0.6 | 2.25 | 212 | <10 | 120 | 0.9 | <2 | 0.21 | 0.5 | 9 | 42 | 40 | 3.71 | 10 |
| CC42377 | | 0.28 | 1.1 | 3.85 | 262 | <10 | 100 | 2.1 | 4 | 0.35 | 0.6 | 17 | 42 | 243 | 5.93 | 10 |
| CC42378 | | 0.24 | 0.3 | 2.26 | 65 | <10 | 120 | 0.7 | 7 | 0.17 | <0.5 | 10 | 33 | 86 | 4.05 | 10 |
| CC42379 | | 0.22 | 1.6 | 2.75 | 229 | <10 | 170 | 1.0 | 5 | 0.18 | <0.5 | 8 | 41 | 120 | 4.56 | 10 |
| CC42380 | | 0.22 | 0.5 | 2.40 | 100 | <10 | 100 | 0.7 | 4 | 0.11 | <0.5 | 11 | 34 | 51 | 4.71 | 10 |
| CC42381 | | 0.26 | 1.5 | 2.64 | 411 | <10 | 140 | 1.5 | 8 | 0.17 | <0.5 | 16 | 33 | 75 | 5.03 | 10 |
| CC42382 | | 0.16 | 8.7 | 1.41 | 184 | <10 | 70 | 0.6 | 2 | 0.18 | <0.5 | 4 | 17 | 50 | 2.25 | <10 |
| CC42383 | | 0.22 | 9.9 | 2.39 | 399 | <10 | 110 | 0.9 | 4 | 0.19 | <0.5 | 12 | 36 | 61 | 3.76 | 10 |
| CC42384 | | 0.22 | 1.4 | 1.89 | 64 | <10 | 130 | 0.5 | 6 | 0.21 | <0.5 | 8 | 32 | 43 | 3.32 | 10 |
| CC42385 | | 0.30 | 1.7 | 2.14 | 36 | <10 | 160 | 0.5 | 6 | 0.28 | <0.5 | 8 | 30 | 74 | 3.25 | 10 |
| CC42386 | | 0.24 | 0.9 | 1.95 | 26 | <10 | 150 | <0.5 | 3 | 0.23 | <0.5 | 7 | 33 | 34 | 2.84 | 10 |
| CC42387 | | 0.28 | 0.6 | 2.05 | 109 | <10 | 100 | <0.5 | 3 | 0.19 | <0.5 | 5 | 27 | 15 | 3.42 | 10 |
| CC42388 | | 0.18 | 0.4 | 2.16 | 112 | <10 | 160 | 0.8 | 3 | 0.29 | <0.5 | 12 | 47 | 41 | 3.44 | 10 |
| CC42389 | | 0.20 | 0.4 | 1.98 | 228 | <10 | 150 | 0.5 | 2 | 0.28 | 0.8 | 10 | 50 | 42 | 3.23 | 10 |
| CC42390 | | 0.30 | 1.1 | 2.54 | 113 | <10 | 220 | 0.6 | 2 | 0.32 | <0.5 | 15 | 72 | 48 | 3.80 | 10 |
| CC42391 | | 0.12 | 0.4 | 1.33 | 122 | <10 | 160 | <0.5 | 2 | 0.21 | <0.5 | 7 | 34 | 25 | 2.12 | <10 |
| CC42392 | | 0.20 | 0.5 | 1.63 | 96 | <10 | 160 | <0.5 | 2 | 0.25 | 0.5 | 9 | 39 | 33 | 2.51 | 10 |
| CC42393 | | 0.26 | 0.5 | 1.96 | 96 | <10 | 180 | 0.5 | 2 | 0.29 | <0.5 | 10 | 44 | 36 | 3.29 | <10 |
| CC42394 | | 0.24 | 0.8 | 2.04 | 63 | <10 | 150 | <0.5 | 2 | 0.25 | <0.5 | 11 | 41 | 27 | 2.96 | 10 |
| CC42395 | | 0.34 | 1.3 | 1.97 | 169 | <10 | 120 | <0.5 | 5 | 0.19 | <0.5 | 7 | 34 | 28 | 3.23 | 10 |
| CC42396 | | 0.30 | 0.5 | 1.77 | 66 | <10 | 180 | <0.5 | 2 | 0.31 | <0.5 | 7 | 29 | 33 | 2.70 | <10 |
| CC42397 | | 0.26 | <0.2 | 1.79 | 7 | <10 | 200 | <0.5 | <2 | 0.28 | <0.5 | 9 | 28 | 13 | 2.54 | 10 |
| CC42398 | | 0.24 | <0.2 | 0.85 | 9 | <10 | 50 | <0.5 | <2 | 0.05 | <0.5 | 1 | 9 | 4 | 1.63 | 10 |
| CC10515 | | 0.22 | 0.2 | 2.04 | 14 | <10 | 90 | 0.7 | 2 | 0.23 | <0.5 | 9 | 24 | 17 | 2.83 | <10 |

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## CERTIFICATE OF ANALYSIS VA07107507

| 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 |
| CC42360 | | <1 | 0.09 | 20 | 0.36 | 114 | <1 | 0.02 | 17 | 730 | 64 | 0.08 | <2 | 2 | 26 | <20 |
| CC42361 | | <1 | 0.18 | 30 | 0.71 | 463 | 1 | 0.03 | 34 | 770 | 103 | 0.08 | <2 | 4 | 33 | <20 |
| CC42362 | | 1 | 0.08 | 20 | 0.64 | 424 | 5 | 0.02 | 24 | 760 | 85 | 0.03 | <2 | 3 | 25 | <20 |
| CC42363 | | 1 | 0.06 | 20 | 0.53 | 282 | <1 | 0.02 | 20 | 890 | 28 | 0.07 | <2 | 3 | 25 | <20 |
| CC42364 | | <1 | 0.07 | 10 | 0.40 | 150 | 1 | 0.02 | 13 | 470 | 12 | 0.04 | <2 | 2 | 16 | <20 |
| CC42365 | | <1 | 0.06 | 20 | 0.37 | 119 | 1 | 0.02 | 16 | 480 | 12 | 0.04 | <2 | 3 | 20 | <20 |
| CC42366 | | <1 | 0.07 | 20 | 0.49 | 277 | <1 | 0.01 | 17 | 540 | 14 | 0.04 | <2 | 3 | 23 | <20 |
| CC42367 | | <1 | 0.10 | 20 | 0.62 | 487 | 1 | 0.02 | 21 | 640 | 24 | 0.04 | <2 | 4 | 23 | <20 |
| CC42368 | | <1 | 0.22 | 60 | 1.04 | 842 | 1 | 0.03 | 20 | 890 | 143 | 0.13 | 2 | 4 | 63 | <20 |
| CC42369 | | <1 | 0.24 | 30 | 1.09 | 310 | 1 | 0.02 | 16 | 530 | 70 | 0.10 | <2 | 4 | 48 | <20 |
| CC42370 | | <1 | 0.08 | 10 | 0.27 | 200 | 1 | 0.01 | 6 | 240 | 25 | 0.03 | <2 | 2 | 15 | <20 |
| CC42371 | | <1 | 0.30 | 10 | 1.27 | 403 | <1 | 0.02 | 28 | 470 | 33 | 0.04 | <2 | 5 | 40 | <20 |
| CC42372 | | <1 | 0.16 | 10 | 0.31 | 145 | 2 | 0.02 | 13 | 480 | 12 | 0.06 | <2 | 2 | 29 | <20 |
| CC42373 | | <1 | 0.25 | 10 | 1.11 | 276 | 1 | 0.02 | 29 | 580 | 36 | 0.04 | <2 | 5 | 35 | <20 |
| CC42374 | | <1 | 0.42 | 30 | 0.98 | 473 | 2 | 0.02 | 37 | 530 | 720 | 0.20 | 20 | 5 | 33 | <20 |
| CC42375 | | <1 | 0.23 | 20 | 0.78 | 360 | 1 | 0.02 | 27 | 580 | 217 | 0.05 | 15 | 4 | 22 | <20 |
| CC42376 | | <1 | 0.25 | 20 | 0.79 | 350 | <1 | 0.02 | 34 | 610 | 167 | 0.08 | 5 | 4 | 42 | <20 |
| CC42377 | | <1 | 0.71 | 30 | 3.20 | 530 | 3 | 0.02 | 36 | 510 | 259 | 0.18 | 4 | 7 | 60 | <20 |
| CC42378 | | 1 | 0.29 | 20 | 0.86 | 419 | 2 | 0.02 | 20 | 630 | 74 | 0.10 | 2 | 4 | 22 | <20 |
| CC42379 | | <1 | 0.40 | 20 | 0.96 | 207 | 3 | 0.02 | 25 | 850 | 80 | 0.11 | 3 | 5 | 27 | <20 |
| CC42380 | | <1 | 0.21 | 20 | 0.77 | 305 | 4 | 0.02 | 25 | 460 | 75 | 0.09 | <2 | 4 | 17 | <20 |
| CC42381 | | <1 | 0.38 | 20 | 1.03 | 612 | 8 | 0.02 | 29 | 1030 | 309 | 0.23 | 6 | 4 | 30 | <20 |
| CC42382 | | <1 | 0.15 | 20 | 0.42 | 124 | 2 | 0.03 | 13 | 890 | 1715 | 0.15 | 11 | 2 | 22 | <20 |
| CC42383 | | <1 | 0.35 | 30 | 0.97 | 716 | 4 | 0.02 | 23 | 850 | 894 | 0.11 | 13 | 4 | 23 | <20 |
| CC42384 | | <1 | 0.18 | 20 | 0.66 | 391 | 32 | 0.02 | 15 | 720 | 116 | 0.06 | <2 | 3 | 21 | <20 |
| CC42385 | | <1 | 0.15 | 20 | 0.59 | 249 | 102 | 0.02 | 21 | 780 | 127 | 0.06 | <2 | 4 | 25 | <20 |
| CC42386 | | <1 | 0.10 | 20 | 0.59 | 244 | 10 | 0.02 | 20 | 670 | 54 | 0.04 | <2 | 3 | 21 | <20 |
| CC42387 | | <1 | 0.08 | 10 | 0.68 | 365 | 1 | 0.02 | 17 | 420 | 86 | 0.02 | 2 | 3 | 17 | <20 |
| CC42388 | | <1 | 0.13 | 10 | 0.75 | 619 | 3 | 0.02 | 42 | 910 | 82 | 0.07 | <2 | 3 | 27 | <20 |
| CC42389 | | <1 | 0.16 | 10 | 0.95 | 608 | 2 | 0.02 | 32 | 550 | 170 | 0.05 | 2 | 4 | 24 | <20 |
| CC42390 | | <1 | 0.28 | 20 | 1.20 | 960 | 2 | 0.02 | 39 | 650 | 153 | 0.05 | <2 | 6 | 27 | <20 |
| CC42391 | | <1 | 0.12 | 20 | 0.47 | 371 | 1 | 0.02 | 21 | 420 | 55 | 0.05 | <2 | 2 | 22 | <20 |
| CC42392 | | <1 | 0.15 | 20 | 0.62 | 390 | 1 | 0.03 | 31 | 630 | 52 | 0.06 | <2 | 3 | 26 | <20 |
| CC42393 | | <1 | 0.26 | 30 | 0.85 | 544 | 1 | 0.02 | 34 | 510 | 134 | 0.06 | <2 | 4 | 28 | <20 |
| CC42394 | | <1 | 0.17 | 20 | 0.78 | 403 | 1 | 0.02 | 27 | 540 | 79 | 0.03 | <2 | 4 | 22 | <20 |
| CC42395 | | <1 | 0.18 | 30 | 0.69 | 316 | 1 | 0.02 | 24 | 550 | 196 | 0.05 | <2 | 3 | 21 | <20 |
| CC42396 | | 1 | 0.12 | 20 | 0.67 | 305 | 7 | 0.02 | 21 | 630 | 64 | 0.04 | <2 | 3 | 24 | <20 |
| CC42397 | | <1 | 0.09 | 20 | 0.59 | 514 | 1 | 0.02 | 18 | 530 | 16 | 0.03 | <2 | 3 | 21 | <20 |
| CC42398 | | <1 | 0.03 | 10 | 0.08 | 76 | 1 | 0.02 | 5 | 140 | 10 | 0.01 | <2 | 1 | 7 | <20 |
| CC10515 | | <1 | 0.09 | 30 | 0.55 | 693 | <1 | 0.02 | 21 | 1000 | 33 | 0.03 | <2 | 3 | 14 | <20 |

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## CERTIFICATE OF ANALYSIS VA07107507

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC42360 | | 0.05 | <10 | <10 | 25 | <10 | 70 |
| CC42361 | | 0.09 | <10 | <10 | 59 | <10 | 123 |
| CC42362 | | 0.07 | <10 | <10 | 45 | <10 | 121 |
| CC42363 | | 0.05 | <10 | <10 | 41 | <10 | 69 |
| CC42364 | | 0.06 | <10 | <10 | 34 | <10 | 47 |
| CC42365 | | 0.06 | <10 | <10 | 32 | <10 | 44 |
| CC42366 | | 0.06 | <10 | <10 | 47 | <10 | 61 |
| CC42367 | | 0.07 | <10 | <10 | 50 | <10 | 74 |
| CC42368 | | 0.10 | <10 | <10 | 60 | <10 | 154 |
| CC42369 | | 0.11 | <10 | <10 | 54 | <10 | 95 |
| CC42370 | | 0.15 | <10 | <10 | 82 | <10 | 34 |
| CC42371 | | 0.13 | <10 | <10 | 69 | <10 | 82 |
| CC42372 | | 0.10 | <10 | <10 | 78 | 20 | 44 |
| CC42373 | | 0.12 | <10 | <10 | 63 | 10 | 75 |
| CC42374 | | 0.10 | <10 | <10 | 55 | 10 | 385 |
| CC42375 | | 0.11 | <10 | <10 | 60 | <10 | 299 |
| CC42376 | | 0.11 | <10 | <10 | 56 | <10 | 166 |
| CC42377 | | 0.11 | <10 | <10 | 48 | 50 | 186 |
| CC42378 | | 0.11 | <10 | <10 | 55 | 10 | 79 |
| CC42379 | | 0.09 | <10 | <10 | 56 | 10 | 77 |
| CC42380 | | 0.14 | <10 | <10 | 68 | 10 | 75 |
| CC42381 | | 0.09 | <10 | <10 | 56 | 10 | 107 |
| CC42382 | | 0.05 | <10 | <10 | 32 | <10 | 57 |
| CC42383 | | 0.08 | <10 | <10 | 50 | <10 | 111 |
| CC42384 | | 0.08 | <10 | <10 | 53 | <10 | 88 |
| CC42385 | | 0.08 | <10 | <10 | 53 | <10 | 150 |
| CC42386 | | 0.09 | <10 | <10 | 57 | <10 | 76 |
| CC42387 | | 0.10 | <10 | <10 | 72 | <10 | 126 |
| CC42388 | | 0.09 | <10 | <10 | 88 | <10 | 206 |
| CC42389 | | 0.10 | <10 | <10 | 70 | <10 | 236 |
| CC42390 | | 0.13 | <10 | <10 | 79 | <10 | 241 |
| CC42391 | | 0.09 | <10 | <10 | 44 | <10 | 83 |
| CC42392 | | 0.08 | <10 | <10 | 46 | <10 | 119 |
| CC42393 | | 0.13 | <10 | <10 | 58 | <10 | 162 |
| CC42394 | | 0.11 | <10 | <10 | 53 | <10 | 151 |
| CC42395 | | 0.10 | <10 | <10 | 51 | <10 | 156 |
| CC42396 | | 0.08 | <10 | <10 | 48 | <10 | 106 |
| CC42397 | | 0.07 | <10 | <10 | 52 | <10 | 66 |
| CC42398 | | 0.07 | <10 | <10 | 52 | <10 | 19 |
| CC10515 | | 0.07 | <10 | <10 | 50 | <10 | 82 |

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Project: CONNAUGHT GRID A AND B

# CERTIFICATE OF ANALYSIS VA07107507

| 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 |
| CC10516 | | 0.32 | <0.2 | 1.74 | 13 | <10 | 120 | 0.8 | <2 | 0.31 | <0.5 | 10 | 20 | 16 | 3.51 | 10 |
| CC10517 | | 0.26 | <0.2 | 1.82 | 10 | <10 | 90 | 0.6 | <2 | 0.20 | <0.5 | 7 | 23 | 13 | 2.88 | 10 |
| CC10518 | | 0.28 | <0.2 | 1.63 | 10 | <10 | 80 | 0.8 | <2 | 0.37 | <0.5 | 8 | 21 | 14 | 3.21 | 10 |
| CC10519 | | 0.26 | <0.2 | 1.41 | 13 | <10 | 90 | 0.6 | <2 | 0.40 | <0.5 | 10 | 19 | 14 | 2.80 | <10 |
| CC10520 | | 0.28 | <0.2 | 1.60 | 14 | <10 | 80 | 0.6 | <2 | 0.26 | <0.5 | 7 | 19 | 14 | 2.90 | 10 |
| CC10521 | | 0.34 | <0.2 | 1.68 | 6 | <10 | 90 | 0.7 | <2 | 0.35 | <0.5 | 6 | 21 | 12 | 2.55 | 10 |
| CC10522 | | 0.32 | <0.2 | 1.46 | 13 | <10 | 100 | 0.5 | <2 | 0.35 | <0.5 | 6 | 22 | 12 | 2.34 | <10 |
| CC10523 | | 0.32 | <0.2 | 1.50 | 9 | <10 | 120 | 0.5 | <2 | 0.30 | <0.5 | 6 | 24 | 16 | 2.45 | <10 |
| CC10524 | | 0.32 | <0.2 | 1.26 | 8 | <10 | 120 | <0.5 | <2 | 0.34 | <0.5 | 6 | 22 | 12 | 2.24 | <10 |
| CC10525 | | 0.32 | <0.2 | 1.50 | 8 | <10 | 100 | <0.5 | <2 | 0.29 | <0.5 | 6 | 22 | 12 | 2.44 | <10 |
| CC10526 | | 0.28 | <0.2 | 1.38 | 9 | <10 | 110 | 0.6 | 4 | 0.39 | <0.5 | 6 | 20 | 14 | 2.28 | <10 |
| CC10527 | | 0.30 | 0.2 | 1.66 | 11 | <10 | 100 | 0.9 | <2 | 0.39 | <0.5 | 6 | 18 | 12 | 2.61 | <10 |
| CC10528 | | 0.26 | 0.2 | 1.79 | 6 | <10 | 90 | 0.8 | <2 | 0.30 | <0.5 | 5 | 18 | 11 | 2.70 | 10 |
| CC10529 | | 0.30 | <0.2 | 1.77 | 13 | <10 | 100 | 0.7 | <2 | 0.31 | <0.5 | 5 | 19 | 14 | 2.79 | 10 |
| CC10530 | | 0.36 | <0.2 | 1.52 | 11 | <10 | 90 | 1.0 | <2 | 0.49 | <0.5 | 5 | 16 | 12 | 2.45 | <10 |
| CC10531 | | 0.42 | <0.2 | 1.38 | 8 | <10 | 140 | 0.5 | <2 | 0.40 | <0.5 | 7 | 22 | 16 | 2.38 | <10 |
| CC10532 | | 0.34 | <0.2 | 1.37 | 7 | <10 | 150 | 0.5 | <2 | 0.36 | <0.5 | 8 | 21 | 17 | 2.34 | <10 |
| CC10533 | | 0.38 | <0.2 | 1.32 | 8 | <10 | 130 | 0.5 | <2 | 0.38 | <0.5 | 7 | 20 | 16 | 2.29 | <10 |
| CC10534 | | 0.28 | <0.2 | 1.57 | 9 | <10 | 90 | 0.5 | <2 | 0.24 | <0.5 | 9 | 19 | 16 | 2.46 | <10 |
| CC10535 | | 0.28 | <0.2 | 1.33 | 8 | <10 | 60 | 0.5 | <2 | 0.28 | <0.5 | 9 | 15 | 16 | 2.41 | <10 |
| CC10536 | | 0.34 | 0.3 | 1.41 | 18 | <10 | 60 | 0.7 | 93 | 0.38 | <0.5 | 10 | 17 | 78 | 2.56 | <10 |
| CC10694 | | 0.26 | 0.3 | 1.79 | 5 | <10 | 180 | <0.5 | <2 | 0.27 | <0.5 | 11 | 22 | 42 | 2.92 | <10 |
| CC10906 | | 0.20 | 0.4 | 1.97 | 34 | <10 | 160 | 0.8 | <2 | 0.20 | 0.6 | 7 | 28 | 20 | 3.02 | 10 |
| CC41680 | | 0.24 | 0.9 | 0.85 | 9 | <10 | 80 | <0.5 | <2 | 0.08 | <0.5 | 2 | 9 | 12 | 0.92 | <10 |
| CC41681 | | 0.34 | 0.2 | 1.62 | 7 | <10 | 100 | 0.7 | <2 | 0.12 | <0.5 | 5 | 20 | 17 | 2.30 | <10 |
| CC41682 | | 0.22 | 0.4 | 0.71 | 6 | <10 | 50 | <0.5 | <2 | 0.09 | <0.5 | 3 | 9 | 7 | 1.23 | <10 |
| CC41683 | | 0.32 | 0.2 | 1.57 | 12 | <10 | 90 | 0.6 | <2 | 0.14 | <0.5 | 6 | 21 | 19 | 2.43 | 10 |
| CC41684 | | 0.38 | <0.2 | 1.73 | 8 | <10 | 90 | 0.8 | <2 | 0.12 | <0.5 | 6 | 18 | 15 | 2.21 | <10 |
| CC41685 | | 0.30 | <0.2 | 1.57 | 5 | <10 | 80 | <0.5 | 2 | 0.08 | <0.5 | 5 | 16 | 14 | 1.87 | 10 |
| CC41686 | | 0.28 | <0.2 | 1.51 | 12 | <10 | 50 | <0.5 | 2 | 0.08 | <0.5 | 6 | 19 | 14 | 3.47 | 10 |
| CC41687 | | 0.12 | 1.0 | 0.79 | 25 | <10 | 80 | 0.5 | <2 | 0.08 | <0.5 | 3 | 9 | 23 | 0.95 | <10 |
| CC41688 | | 0.10 | 1.8 | 1.05 | 27 | <10 | 90 | 1.0 | 2 | 0.29 | 0.7 | 2 | 8 | 29 | 1.17 | <10 |
| CC41689 | | 0.12 | 0.7 | 1.06 | 58 | <10 | 80 | 0.7 | 6 | 0.19 | <0.5 | 5 | 12 | 36 | 1.63 | <10 |

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Finalized L : 25-OCT-2007
Account: RCM

Project: CONNAUGHT GRID A AND B

## CERTIFICATE OF ANALYSIS VA07107507

| 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 |
| CC10516 | | <1 | 0.17 | 60 | 0.56 | 965 | 1 | 0.02 | 18 | 970 | 21 | 0.02 | <2 | 4 | 20 | <20 |
| CC10517 | | <1 | 0.07 | 20 | 0.49 | 425 | <1 | 0.01 | 17 | 790 | 20 | 0.02 | <2 | 2 | 13 | <20 |
| CC10518 | | <1 | 0.23 | 60 | 0.59 | 702 | <1 | 0.02 | 17 | 920 | 14 | 0.01 | 2 | 4 | 24 | <20 |
| CC10519 | | <1 | 0.18 | 60 | 0.53 | 933 | 1 | 0.02 | 17 | 1010 | 17 | 0.01 | <2 | 4 | 24 | <20 |
| CC10520 | | <1 | 0.17 | 40 | 0.49 | 581 | <1 | 0.01 | 14 | 980 | 15 | 0.02 | 3 | 3 | 14 | <20 |
| CC10521 | | 1 | 0.15 | 40 | 0.61 | 435 | <1 | 0.01 | 13 | 1000 | 18 | 0.01 | <2 | 3 | 21 | <20 |
| CC10522 | | <1 | 0.11 | 20 | 0.53 | 325 | <1 | 0.02 | 16 | 890 | 14 | 0.01 | 2 | 3 | 21 | <20 |
| CC10523 | | <1 | 0.07 | 20 | 0.51 | 394 | <1 | 0.02 | 19 | 850 | 15 | 0.01 | <2 | 3 | 18 | <20 |
| CC10524 | | <1 | 0.07 | 20 | 0.43 | 381 | 1 | 0.02 | 16 | 800 | 12 | 0.01 | <2 | 3 | 22 | <20 |
| CC10525 | | 1 | 0.09 | 20 | 0.49 | 459 | <1 | 0.02 | 17 | 930 | 15 | 0.02 | 2 | 3 | 17 | <20 |
| CC10526 | | <1 | 0.11 | 30 | 0.60 | 682 | 1 | 0.02 | 17 | 830 | 18 | 0.01 | <2 | 3 | 26 | <20 |
| CC10527 | | <1 | 0.14 | 30 | 0.76 | 722 | 1 | 0.02 | 15 | 980 | 35 | 0.01 | <2 | 3 | 24 | <20 |
| CC10528 | | <1 | 0.20 | 30 | 0.76 | 435 | <1 | 0.01 | 13 | 930 | 27 | 0.02 | <2 | 3 | 18 | <20 |
| CC10529 | | <1 | 0.21 | 40 | 0.78 | 413 | <1 | 0.01 | 14 | 940 | 30 | 0.02 | <2 | 3 | 18 | <20 |
| CC10530 | | <1 | 0.19 | 30 | 0.79 | 617 | <1 | 0.02 | 14 | 1040 | 25 | <0.01 | <2 | 3 | 26 | <20 |
| CC10531 | | <1 | 0.13 | 20 | 0.62 | 430 | <1 | 0.02 | 17 | 850 | 13 | 0.01 | <2 | 4 | 24 | <20 |
| CC10532 | | <1 | 0.10 | 20 | 0.51 | 511 | 1 | 0.02 | 18 | 820 | 15 | 0.01 | <2 | 3 | 24 | <20 |
| CC10533 | | 1 | 0.09 | 20 | 0.50 | 507 | 1 | 0.02 | 17 | 960 | 11 | 0.01 | <2 | 3 | 22 | <20 |
| CC10534 | | <1 | 0.09 | 20 | 0.50 | 533 | <1 | 0.01 | 17 | 810 | 10 | 0.02 | <2 | 2 | 15 | <20 |
| CC10535 | | <1 | 0.14 | 40 | 0.50 | 663 | <1 | 0.01 | 15 | 950 | 12 | 0.01 | <2 | 2 | 17 | <20 |
| CC10536 | | 1 | 0.16 | 40 | 0.61 | 758 | 1 | 0.02 | 16 | 970 | 80 | 0.01 | <2 | 3 | 21 | <20 |
| CC10694 | | 1 | 0.26 | 10 | 0.97 | 497 | 1 | 0.02 | 14 | 530 | 12 | 0.04 | <2 | 4 | 16 | <20 |
| CC10906 | | 1 | 0.09 | 30 | 0.43 | 464 | 2 | 0.03 | 17 | 920 | 57 | 0.07 | <2 | 3 | 19 | <20 |
| CC41680 | | <1 | 0.04 | 20 | 0.09 | 71 | 1 | 0.02 | 5 | 490 | 30 | 0.04 | <2 | <1 | 13 | <20 |
| CC41681 | | <1 | 0.10 | 80 | 0.42 | 424 | 3 | 0.02 | 13 | 460 | 19 | 0.02 | <2 | 2 | 13 | <20 |
| CC41682 | | <1 | 0.04 | 20 | 0.18 | 108 | 1 | 0.03 | 5 | 370 | 17 | 0.02 | <2 | 1 | 10 | <20 |
| CC41683 | | <1 | 0.12 | 50 | 0.50 | 495 | 2 | 0.01 | 14 | 350 | 23 | 0.01 | <2 | 2 | 13 | <20 |
| CC41684 | | 1 | 0.12 | 40 | 0.50 | 516 | 1 | 0.01 | 16 | 310 | 29 | 0.01 | <2 | 3 | 10 | 20 |
| CC41685 | | <1 | 0.05 | 20 | 0.27 | 192 | 1 | 0.01 | 11 | 240 | 20 | 0.01 | <2 | 2 | 9 | <20 |
| CC41686 | | <1 | 0.06 | 10 | 0.41 | 349 | 1 | 0.01 | 12 | 310 | 22 | 0.01 | <2 | 2 | 9 | <20 |
| CC41687 | | <1 | 0.04 | 10 | 0.16 | 75 | 1 | 0.03 | 6 | 410 | 17 | 0.04 | <2 | <1 | 14 | <20 |
| CC41688 | | <1 | 0.08 | 20 | 0.20 | 93 | 1 | 0.02 | 5 | 980 | 36 | 0.12 | <2 | <1 | 38 | <20 |
| CC41689 | | <1 | 0.08 | 20 | 0.35 | 178 | 1 | 0.02 | 11 | 440 | 36 | 0.04 | <2 | 1 | 26 | <20 |

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Finalized D: 25-OCT-2007
Account: RCM

Project: CONNAUGHT GRID A AND B

## CERTIFICATE OF ANALYSIS VA07107507

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC10516 | | 0.07 | <10 | <10 | 43 | <10 | 70 |
| CC10517 | | 0.07 | <10 | <10 | 51 | <10 | 68 |
| CC10518 | | 0.09 | <10 | <10 | 42 | <10 | 74 |
| CC10519 | | 0.09 | <10 | <10 | 41 | <10 | 67 |
| CC10520 | | 0.08 | <10 | <10 | 41 | <10 | 65 |
| CC10521 | | 0.08 | <10 | <10 | 40 | <10 | 88 |
| CC10522 | | 0.08 | <10 | <10 | 44 | <10 | 61 |
| CC10523 | | 0.09 | <10 | <10 | 49 | <10 | 61 |
| CC10524 | | 0.08 | <10 | <10 | 49 | <10 | 57 |
| CC10525 | | 0.08 | <10 | <10 | 49 | <10 | 72 |
| CC10526 | | 0.08 | <10 | <10 | 42 | <10 | 82 |
| CC10527 | | 0.06 | <10 | <10 | 37 | <10 | 117 |
| CC10528 | | 0.08 | <10 | <10 | 40 | <10 | 88 |
| CC10529 | | 0.08 | <10 | <10 | 40 | <10 | 82 |
| CC10530 | | 0.07 | <10 | <10 | 34 | <10 | 71 |
| CC10531 | | 0.09 | <10 | <10 | 44 | <10 | 69 |
| CC10532 | | 0.08 | <10 | <10 | 44 | <10 | 67 |
| CC10533 | | 0.07 | <10 | <10 | 43 | <10 | 71 |
| CC10534 | | 0.07 | <10 | <10 | 40 | <10 | 65 |
| CC10535 | | 0.07 | <10 | <10 | 35 | <10 | 69 |
| CC10536 | | 0.08 | <10 | <10 | 37 | <10 | 82 |
| CC10694 | | 0.12 | <10 | <10 | 83 | <10 | 55 |
| CC10906 | | 0.07 | <10 | <10 | 54 | <10 | 91 |
| CC41680 | | 0.02 | <10 | <10 | 16 | <10 | 29 |
| CC41681 | | 0.06 | <10 | <10 | 40 | <10 | 93 |
| CC41682 | | 0.04 | <10 | <10 | 23 | <10 | 39 |
| CC41683 | | 0.07 | <10 | <10 | 42 | <10 | 87 |
| CC41684 | | 0.07 | <10 | <10 | 34 | <10 | 79 |
| CC41685 | | 0.06 | <10 | <10 | 47 | <10 | 45 |
| CC41686 | | 0.10 | <10 | <10 | 66 | <10 | 52 |
| CC41687 | | 0.02 | <10 | <10 | 18 | <10 | 24 |
| CC41688 | | 0.03 | <10 | <10 | 17 | <10 | 28 |
| CC41689 | | 0.05 | <10 | <10 | 29 | <10 | 51 |

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To: ATAC RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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VANCOUVER BC V6B 1L8


Finalized: 22-OCT-2007
Account: RCM

## CERTIFICATE VA07107506

Project: CONNAUGHT GRID A AND GRID B

P.O. No.:

This report is for 90 Soil samples submitted to our lab in Vancouver, BC, Canada on 4-SEP-2007.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| AL ARCHER<br>BILL WENGZYNOWSKI | DOUG EATON | JOAN MARIACHER |

## 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 |
|---|---|---|
| ME-ICP41 | 35 Element Aqua Regia ICP-AES | ICP-AES |

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

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

**Signature:** Lawrence Ng

Lawrence Ng, Laboratory Manager - Vancouver

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Finalized Date: 22-OCT-2007
Account: RCM

Project: CONNAUGHT GRID A AND GRID B

## CERTIFICATE OF ANALYSIS VA07107506

| 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 |
| CC41990 | | 0.18 | 0.3 | 0.51 | 2 | <10 | 80 | <0.5 | <2 | 0.13 | <0.5 | <1 | 5 | 4 | 0.87 | <10 |
| CC41991 | | 0.18 | 0.3 | 0.76 | <2 | <10 | 160 | <0.5 | <2 | 0.21 | <0.5 | 2 | 10 | 20 | 1.10 | <10 |
| CC41992 | | 0.16 | 0.6 | 0.71 | <2 | <10 | 130 | <0.5 | <2 | 0.23 | <0.5 | <1 | 10 | 17 | 0.94 | <10 |
| CC41993 | | 0.18 | <0.2 | 1.03 | 6 | <10 | 100 | <0.5 | <2 | 0.24 | <0.5 | 3 | 17 | 11 | 1.94 | <10 |
| CC41994 | | 0.14 | 0.2 | 0.51 | 2 | <10 | 80 | <0.5 | <2 | 0.19 | <0.5 | <1 | 4 | 3 | 0.77 | <10 |
| CC41995 | | 0.12 | 0.2 | 1.00 | 2 | <10 | 230 | <0.5 | <2 | 0.47 | <0.5 | 3 | 12 | 10 | 1.81 | <10 |
| CC41996 | | 0.14 | 5.0 | 1.33 | 153 | <10 | 300 | 0.9 | <2 | 0.66 | <0.5 | 15 | 28 | 54 | 2.07 | <10 |
| CC41997 | | 0.26 | 0.3 | 2.89 | 34 | <10 | 350 | 0.8 | 5 | 0.18 | <0.5 | 7 | 70 | 35 | 3.69 | 10 |
| CC41998 | | 0.18 | 1.2 | 2.48 | 97 | <10 | 310 | 0.8 | 8 | 0.62 | <0.5 | 12 | 68 | 91 | 2.78 | 10 |
| CC41999 | | 0.16 | 0.7 | 2.06 | 84 | <10 | 190 | 0.7 | 3 | 0.42 | <0.5 | 5 | 40 | 52 | 2.44 | 10 |
| CC42000 | | 0.18 | 1.8 | 3.08 | 228 | <10 | 220 | 1.8 | 4 | 0.48 | <0.5 | 31 | 32 | 121 | 3.13 | 10 |
| CC42001 | | 0.12 | 0.6 | 1.66 | 108 | <10 | 190 | 0.8 | 2 | 0.43 | <0.5 | 5 | 24 | 38 | 2.52 | 10 |
| CC42002 | | 0.20 | 0.9 | 1.78 | 157 | <10 | 250 | 1.3 | <2 | 0.48 | <0.5 | 6 | 23 | 65 | 2.41 | <10 |
| CC42003 | | 0.20 | 1.3 | 1.56 | 58 | <10 | 330 | 1.1 | <2 | 0.61 | <0.5 | 54 | 22 | 56 | 2.68 | <10 |
| CC42004 | | 0.32 | 0.5 | 1.56 | 88 | <10 | 150 | 0.7 | 2 | 0.35 | <0.5 | 5 | 24 | 32 | 2.28 | <10 |
| CC42005 | | 0.18 | 0.8 | 0.98 | 22 | <10 | 200 | 0.8 | <2 | 0.38 | <0.5 | 1 | 16 | 24 | 1.61 | <10 |
| CC42006 | | 0.34 | 0.7 | 1.73 | 82 | <10 | 180 | 0.9 | <2 | 0.29 | <0.5 | 4 | 28 | 32 | 2.28 | 10 |
| CC42007 | | 0.20 | 2.7 | 1.49 | 195 | <10 | 300 | 1.3 | 2 | 0.41 | <0.5 | 24 | 30 | 86 | 2.63 | <10 |
| CC42008 | | 0.28 | 1.5 | 1.96 | 127 | <10 | 180 | 0.6 | 6 | 0.30 | <0.5 | 11 | 33 | 59 | 2.72 | 10 |
| CC42009 | | 0.30 | 1.5 | 1.78 | 114 | <10 | 200 | 0.7 | 8 | 0.39 | <0.5 | 7 | 41 | 95 | 2.43 | 10 |
| CC42010 | | 0.14 | 3.9 | 1.94 | 129 | <10 | 240 | 0.9 | 9 | 0.41 | 1.0 | 12 | 42 | 117 | 3.12 | 10 |
| CC42011 | | 0.08 | 4.6 | 0.71 | 26 | <10 | 280 | 0.5 | <2 | 0.62 | 2.7 | 2 | 9 | 79 | 0.96 | <10 |
| CC42012 | | 0.20 | 2.6 | 2.10 | 208 | <10 | 160 | 0.9 | 6 | 0.28 | <0.5 | 11 | 37 | 83 | 3.64 | 10 |
| CC42013 | | 0.22 | 2.8 | 2.57 | 155 | <10 | 220 | 0.8 | 5 | 0.37 | <0.5 | 12 | 41 | 94 | 3.86 | 10 |
| CC42014 | | 0.28 | 1.5 | 2.32 | 85 | <10 | 190 | 0.7 | 6 | 0.33 | <0.5 | 12 | 35 | 73 | 3.57 | 10 |
| CC42015 | | 0.10 | 1.7 | 0.87 | 24 | <10 | 180 | 0.5 | <2 | 0.38 | 1.1 | 3 | 13 | 45 | 1.17 | <10 |
| CC42016 | | 0.30 | 0.7 | 1.71 | 151 | <10 | 140 | <0.5 | 5 | 0.22 | <0.5 | 6 | 24 | 44 | 2.53 | 10 |
| CC42017 | | 0.16 | 0.6 | 2.01 | 8 | <10 | 350 | 0.6 | <2 | 0.95 | <0.5 | 11 | 19 | 21 | 2.27 | <10 |
| CC42018 | | 0.08 | 0.8 | 0.63 | <2 | <10 | 180 | <0.5 | <2 | 0.33 | <0.5 | 2 | 13 | 20 | 1.01 | <10 |
| CC42019 | | 0.22 | 0.5 | 1.98 | 5 | <10 | 210 | <0.5 | <2 | 0.38 | <0.5 | 4 | 24 | 18 | 2.66 | 10 |
| CC42020 | | 0.12 | 0.4 | 1.60 | 10 | <10 | 240 | <0.5 | <2 | 0.45 | <0.5 | 5 | 22 | 19 | 2.28 | 10 |
| CC42021 | | 0.14 | 0.5 | 1.75 | 5 | <10 | 310 | 0.7 | <2 | 0.69 | <0.5 | 7 | 23 | 35 | 2.69 | <10 |
| CC42022 | | 0.16 | 0.4 | 0.58 | <2 | <10 | 110 | <0.5 | <2 | 0.10 | <0.5 | <1 | 8 | 10 | 1.18 | <10 |
| CC42023 | | 0.12 | 0.3 | 0.41 | <2 | <10 | 70 | <0.5 | <2 | 0.16 | <0.5 | <1 | 7 | 5 | 0.79 | <10 |
| CC42024 | | 0.08 | 0.9 | 0.83 | 7 | <10 | 170 | 0.5 | <2 | 0.52 | <0.5 | 2 | 12 | 24 | 1.14 | <10 |
| CC42025 | | 0.10 | 0.3 | 0.84 | 3 | <10 | 350 | <0.5 | <2 | 1.32 | <0.5 | 3 | 11 | 12 | 1.39 | <10 |
| CC42026 | | 0.14 | 0.3 | 0.65 | <2 | <10 | 160 | <0.5 | 4 | 0.78 | <0.5 | 4 | 11 | 17 | 1.01 | <10 |
| CC42027 | | 0.24 | <0.2 | 2.79 | 21 | <10 | 180 | 0.5 | 3 | 0.19 | <0.5 | 16 | 65 | 57 | 3.23 | 10 |
| CC42028 | | 0.14 | 1.0 | 2.98 | 76 | <10 | 190 | 0.9 | 10 | 0.28 | <0.5 | 10 | 64 | 88 | 3.36 | 10 |
| CC42029 | | 0.20 | 1.0 | 2.17 | 59 | <10 | 130 | 0.8 | 6 | 0.27 | 0.6 | 6 | 35 | 61 | 2.43 | 10 |

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


Finalized Date: 22-OCT-2007
Account: RCM

Project: CONNAUGHT GRID A AND GRID B

## CERTIFICATE OF ANALYSIS VA07107506

| 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 |
| CC41990 | | 1 | 0.04 | <10 | 0.10 | 67 | 1 | 0.02 | 4 | 290 | 16 | 0.02 | <2 | 1 | 12 | <20 |
| CC41991 | | 1 | 0.05 | 10 | 0.16 | 265 | <1 | 0.02 | 7 | 520 | 9 | 0.04 | <2 | 1 | 16 | <20 |
| CC41992 | | 1 | 0.05 | 10 | 0.09 | 50 | 1 | 0.02 | 7 | 940 | 23 | 0.08 | <2 | <1 | 18 | <20 |
| CC41993 | | <1 | 0.07 | 10 | 0.38 | 221 | 1 | 0.02 | 12 | 390 | 10 | 0.03 | 3 | 2 | 15 | <20 |
| CC41994 | | 1 | 0.03 | <10 | 0.05 | 52 | <1 | 0.03 | 1 | 390 | 4 | 0.04 | <2 | <1 | 19 | <20 |
| CC41995 | | 1 | 0.06 | 10 | 0.30 | 198 | 1 | 0.02 | 9 | 550 | 6 | 0.06 | <2 | 2 | 31 | <20 |
| CC41996 | | <1 | 0.10 | 20 | 0.29 | 1995 | 4 | 0.03 | 16 | 2210 | 96 | 0.28 | <2 | 1 | 69 | <20 |
| CC41997 | | 1 | 0.16 | 20 | 0.96 | 299 | 1 | 0.01 | 35 | 490 | 20 | 0.06 | <2 | 5 | 25 | <20 |
| CC41998 | | 1 | 0.25 | 10 | 1.16 | 848 | 2 | 0.02 | 35 | 920 | 71 | 0.12 | <2 | 3 | 60 | <20 |
| CC41999 | | <1 | 0.12 | 10 | 0.72 | 255 | 1 | 0.03 | 29 | 740 | 43 | 0.09 | <2 | 3 | 45 | <20 |
| CC42000 | | 1 | 0.20 | 40 | 0.88 | 2040 | 3 | 0.03 | 25 | 1220 | 504 | 0.19 | <2 | 3 | 48 | <20 |
| CC42001 | | <1 | 0.15 | 30 | 0.67 | 345 | 1 | 0.02 | 15 | 970 | 69 | 0.08 | <2 | 3 | 39 | <20 |
| CC42002 | | 1 | 0.10 | 30 | 0.56 | 869 | 1 | 0.02 | 15 | 1300 | 93 | 0.17 | <2 | 2 | 45 | <20 |
| CC42003 | | <1 | 0.09 | 30 | 0.46 | 5300 | 4 | 0.03 | 15 | 1700 | 96 | 0.26 | <2 | 2 | 53 | <20 |
| CC42004 | | <1 | 0.12 | 20 | 0.70 | 341 | 1 | 0.02 | 16 | 560 | 66 | 0.04 | <2 | 3 | 39 | <20 |
| CC42005 | | 1 | 0.07 | 20 | 0.33 | 275 | 1 | 0.03 | 9 | 840 | 20 | 0.11 | <2 | 1 | 35 | <20 |
| CC42006 | | <1 | 0.10 | 20 | 0.73 | 327 | 1 | 0.02 | 17 | 570 | 57 | 0.05 | <2 | 3 | 28 | <20 |
| CC42007 | | <1 | 0.08 | 30 | 0.44 | 2340 | 3 | 0.02 | 15 | 1750 | 120 | 0.21 | <2 | 2 | 40 | <20 |
| CC42008 | | <1 | 0.10 | 20 | 0.76 | 515 | <1 | 0.02 | 17 | 690 | 74 | 0.05 | <2 | 4 | 27 | <20 |
| CC42009 | | <1 | 0.14 | 20 | 0.71 | 399 | 1 | 0.02 | 21 | 830 | 85 | 0.09 | <2 | 3 | 41 | <20 |
| CC42010 | | <1 | 0.12 | 20 | 0.53 | 1080 | 3 | 0.02 | 22 | 1360 | 198 | 0.15 | <2 | 3 | 44 | <20 |
| CC42011 | | <1 | 0.07 | 20 | 0.16 | 170 | 1 | 0.02 | 9 | 1270 | 65 | 0.19 | <2 | 1 | 64 | <20 |
| CC42012 | | 1 | 0.18 | 20 | 0.83 | 506 | 10 | 0.02 | 23 | 740 | 291 | 0.08 | 5 | 5 | 29 | <20 |
| CC42013 | | <1 | 0.17 | 20 | 0.95 | 627 | 12 | 0.02 | 24 | 970 | 238 | 0.10 | 2 | 4 | 41 | <20 |
| CC42014 | | 1 | 0.14 | 20 | 0.89 | 743 | 10 | 0.02 | 23 | 830 | 128 | 0.05 | <2 | 5 | 30 | <20 |
| CC42015 | | <1 | 0.06 | 20 | 0.22 | 176 | 2 | 0.02 | 10 | 1040 | 51 | 0.12 | <2 | 1 | 40 | <20 |
| CC42016 | | 1 | 0.09 | 20 | 0.62 | 485 | 2 | 0.01 | 13 | 570 | 101 | 0.04 | 3 | 3 | 24 | <20 |
| CC42017 | | 1 | 0.07 | 20 | 0.33 | 1070 | <1 | 0.02 | 14 | 1090 | 14 | 0.11 | <2 | 3 | 45 | <20 |
| CC42018 | | <1 | 0.07 | 10 | 0.14 | 273 | 1 | 0.02 | 10 | 1150 | 8 | 0.09 | <2 | <1 | 23 | <20 |
| CC42019 | | 1 | 0.08 | 10 | 0.61 | 283 | <1 | 0.02 | 16 | 580 | 10 | 0.05 | <2 | 3 | 24 | <20 |
| CC42020 | | <1 | 0.09 | 20 | 0.49 | 323 | 1 | 0.02 | 15 | 860 | 11 | 0.07 | <2 | 2 | 29 | <20 |
| CC42021 | | 1 | 0.08 | 30 | 0.42 | 557 | 1 | 0.03 | 17 | 1340 | 16 | 0.12 | <2 | 2 | 39 | <20 |
| CC42022 | | <1 | 0.05 | 10 | 0.10 | 204 | <1 | 0.02 | 4 | 370 | 8 | 0.03 | 2 | 1 | 8 | <20 |
| CC42023 | | <1 | 0.04 | 10 | 0.06 | 55 | 1 | 0.03 | 3 | 460 | 7 | 0.04 | <2 | <1 | 12 | <20 |
| CC42024 | | 1 | 0.08 | 20 | 0.16 | 204 | 1 | 0.02 | 9 | 1240 | 22 | 0.10 | <2 | <1 | 27 | <20 |
| CC42025 | | 1 | 0.08 | 10 | 0.28 | 557 | <1 | 0.02 | 8 | 710 | 13 | 0.07 | <2 | 1 | 62 | <20 |
| CC42026 | | <1 | 0.05 | 10 | 0.15 | 297 | 2 | 0.02 | 7 | 650 | 21 | 0.10 | <2 | 1 | 31 | <20 |
| CC42027 | | 1 | 0.14 | 10 | 0.76 | 349 | 2 | 0.01 | 41 | 560 | 20 | 0.07 | <2 | 5 | 21 | <20 |
| CC42028 | | 1 | 0.11 | 10 | 0.85 | 325 | 5 | 0.03 | 42 | 830 | 104 | 0.15 | <2 | 4 | 50 | <20 |
| CC42029 | | 1 | 0.07 | 10 | 0.50 | 217 | 2 | 0.02 | 30 | 720 | 50 | 0.08 | 2 | 3 | 29 | <20 |

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Finalized L.. : 22-OCT-2007
Account: RCM

Project: CONNAUGHT GRID A AND GRID B

# CERTIFICATE OF ANALYSIS VA07107506

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC41990 | | 0.03 | <10 | <10 | 15 | <10 | 19 |
| CC41991 | | 0.03 | <10 | <10 | 21 | <10 | 24 |
| CC41992 | | 0.02 | <10 | <10 | 14 | <10 | 16 |
| CC41993 | | 0.07 | <10 | <10 | 42 | <10 | 42 |
| CC41994 | | 0.03 | <10 | <10 | 14 | <10 | 9 |
| CC41995 | | 0.05 | <10 | <10 | 34 | <10 | 30 |
| CC41996 | | 0.03 | <10 | <10 | 46 | <10 | 79 |
| CC41997 | | 0.12 | <10 | <10 | 90 | <10 | 81 |
| CC41998 | | 0.07 | <10 | <10 | 75 | <10 | 137 |
| CC41999 | | 0.07 | <10 | <10 | 53 | <10 | 87 |
| CC42000 | | 0.07 | <10 | <10 | 52 | <10 | 152 |
| CC42001 | | 0.08 | <10 | <10 | 46 | <10 | 117 |
| CC42002 | | 0.05 | <10 | <10 | 41 | <10 | 119 |
| CC42003 | | 0.04 | <10 | <10 | 38 | <10 | 73 |
| CC42004 | | 0.08 | <10 | <10 | 44 | <10 | 108 |
| CC42005 | | 0.05 | <10 | <10 | 34 | <10 | 54 |
| CC42006 | | 0.08 | <10 | <10 | 46 | <10 | 102 |
| CC42007 | | 0.04 | <10 | <10 | 45 | <10 | 86 |
| CC42008 | | 0.09 | <10 | <10 | 49 | <10 | 130 |
| CC42009 | | 0.09 | 10 | <10 | 46 | <10 | 151 |
| CC42010 | | 0.06 | <10 | <10 | 57 | <10 | 131 |
| CC42011 | | 0.02 | <10 | <10 | 10 | <10 | 73 |
| CC42012 | | 0.09 | <10 | <10 | 50 | <10 | 163 |
| CC42013 | | 0.09 | <10 | <10 | 62 | <10 | 138 |
| CC42014 | | 0.11 | <10 | <10 | 59 | 10 | 116 |
| CC42015 | | 0.02 | <10 | <10 | 17 | <10 | 57 |
| CC42016 | | 0.08 | <10 | <10 | 45 | <10 | 136 |
| CC42017 | | 0.04 | <10 | <10 | 37 | <10 | 48 |
| CC42018 | | 0.01 | <10 | <10 | 13 | <10 | 39 |
| CC42019 | | 0.07 | <10 | <10 | 51 | <10 | 51 |
| CC42020 | | 0.05 | <10 | <10 | 45 | <10 | 51 |
| CC42021 | | 0.03 | <10 | <10 | 44 | <10 | 52 |
| CC42022 | | 0.05 | <10 | <10 | 30 | <10 | 25 |
| CC42023 | | 0.03 | <10 | <10 | 17 | <10 | 14 |
| CC42024 | | 0.02 | <10 | <10 | 16 | <10 | 35 |
| CC42025 | | 0.04 | <10 | <10 | 29 | <10 | 38 |
| CC42026 | | 0.03 | <10 | <10 | 23 | <10 | 30 |
| CC42027 | | 0.09 | <10 | <10 | 75 | <10 | 99 |
| CC42028 | | 0.08 | <10 | <10 | 81 | <10 | 154 |
| CC42029 | | 0.06 | <10 | 10 | 56 | <10 | 133 |

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# CERTIFICATE OF ANALYSIS VA07107506

| 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 |
| CC42030 | | 0.14 | 1.7 | 2.47 | 264 | <10 | 220 | 1.1 | 6 | 0.42 | 2.2 | 8 | 48 | 69 | 2.80 | 10 |
| CC42031 | | 0.18 | 1.0 | 0.58 | 28 | <10 | 40 | <0.5 | 3 | 0.09 | 0.6 | <1 | 9 | 12 | 0.62 | <10 |
| CC42032 | | 0.24 | 0.6 | 2.62 | 100 | <10 | 220 | 0.9 | 5 | 0.43 | 1.5 | 9 | 47 | 61 | 2.96 | 10 |
| CC42033 | | 0.22 | 0.4 | 2.36 | 76 | <10 | 220 | 0.7 | 6 | 0.43 | 0.6 | 9 | 43 | 42 | 3.13 | 10 |
| CC42034 | | 0.36 | 0.6 | 2.60 | 70 | <10 | 260 | 0.9 | 6 | 0.38 | 0.6 | 9 | 47 | 40 | 2.83 | 10 |
| CC42035 | | 0.32 | 0.6 | 2.09 | 153 | <10 | 170 | 0.7 | 5 | 0.31 | <0.5 | 8 | 30 | 37 | 3.41 | 10 |
| CC42036 | | 0.22 | 1.2 | 2.00 | 172 | <10 | 190 | 1.0 | 5 | 0.30 | 0.9 | 13 | 30 | 55 | 2.62 | 10 |
| CC42037 | | 0.32 | 0.8 | 2.20 | 85 | <10 | 180 | 0.9 | 5 | 0.27 | 0.8 | 9 | 35 | 53 | 2.20 | 10 |
| CC42038 | | 0.18 | 2.0 | 2.19 | 133 | <10 | 220 | 1.6 | 5 | 0.27 | 0.8 | 31 | 29 | 91 | 2.72 | <10 |
| CC42039 | | 0.22 | 0.7 | 1.59 | 66 | <10 | 160 | 0.6 | 2 | 0.25 | 0.6 | 8 | 25 | 31 | 2.10 | 10 |
| CC42040 | | 0.36 | 0.6 | 1.89 | 96 | <10 | 180 | 0.7 | 8 | 0.31 | 0.7 | 9 | 34 | 86 | 2.90 | 10 |
| CC42041 | | 0.42 | 0.7 | 1.98 | 59 | <10 | 170 | 0.7 | 6 | 0.25 | <0.5 | 9 | 31 | 50 | 2.30 | 10 |
| CC42042 | | 0.34 | 0.8 | 1.90 | 71 | <10 | 140 | 0.6 | 7 | 0.25 | 0.6 | 10 | 32 | 69 | 2.39 | 10 |
| CC42043 | | 0.24 | 0.9 | 1.93 | 87 | <10 | 160 | 0.5 | 7 | 0.25 | 0.7 | 9 | 33 | 61 | 2.67 | 10 |
| CC42044 | | 0.28 | 1.2 | 2.12 | 100 | <10 | 140 | 0.5 | 6 | 0.21 | 0.6 | 7 | 33 | 64 | 2.76 | 10 |
| CC42045 | | 0.18 | 0.7 | 1.76 | 48 | <10 | 130 | 0.5 | 4 | 0.19 | 0.5 | 7 | 25 | 54 | 2.27 | 10 |
| CC42046 | | 0.20 | 0.6 | 1.31 | 22 | <10 | 80 | <0.5 | 3 | 0.16 | <0.5 | 3 | 15 | 32 | 1.66 | <10 |
| CC42047 | | 0.20 | 0.6 | 0.69 | 9 | <10 | 70 | <0.5 | 3 | 0.11 | <0.5 | 2 | 9 | 18 | 0.82 | <10 |
| CC42048 | | 0.26 | 0.7 | 1.63 | 37 | <10 | 120 | <0.5 | 6 | 0.24 | <0.5 | 6 | 27 | 42 | 2.21 | 10 |
| CC42049 | | 0.20 | 0.2 | 1.77 | 7 | <10 | 210 | 0.5 | 3 | 0.55 | 0.5 | 6 | 21 | 22 | 2.22 | <10 |
| CC42050 | | 0.34 | 0.5 | 2.23 | 5 | <10 | 250 | 0.5 | 2 | 0.42 | <0.5 | 6 | 25 | 23 | 2.59 | 10 |
| CC42051 | | 0.30 | 0.3 | 1.85 | 12 | <10 | 210 | <0.5 | 3 | 0.35 | <0.5 | 6 | 21 | 21 | 2.47 | 10 |
| CC42052 | | 0.20 | 0.4 | 2.25 | 7 | <10 | 210 | 0.7 | <2 | 0.28 | <0.5 | 6 | 19 | 29 | 2.35 | 10 |
| CC42053 | | 0.34 | 0.5 | 0.62 | 4 | <10 | 90 | <0.5 | 2 | 0.15 | <0.5 | 2 | 8 | 12 | 0.89 | <10 |
| CC42054 | | 0.26 | 0.2 | 1.39 | 7 | <10 | 80 | <0.5 | <2 | 0.10 | <0.5 | 6 | 19 | 14 | 2.29 | 10 |
| CC42055 | | 0.26 | 0.5 | 0.26 | 2 | <10 | 30 | <0.5 | 2 | 0.04 | <0.5 | 1 | 4 | 4 | 0.44 | <10 |
| CC42056 | | 0.22 | 0.2 | 1.28 | 5 | <10 | 100 | <0.5 | 3 | 0.17 | 0.5 | 5 | 18 | 26 | 1.96 | 10 |
| CC42057 | | 0.20 | 0.5 | 0.97 | 6 | <10 | 90 | <0.5 | 4 | 0.10 | 0.7 | 2 | 11 | 21 | 1.38 | <10 |
| CC42058 | | 0.26 | 7.8 | 2.22 | 1030 | <10 | 100 | 1.3 | 9 | 0.29 | 3.7 | 6 | 40 | 91 | 2.80 | 10 |
| CC42059 | | 0.14 | 4.9 | 1.89 | 149 | <10 | 150 | 1.8 | 6 | 0.31 | 4.0 | 3 | 24 | 84 | 1.86 | <10 |
| CC42060 | | 0.24 | 3.1 | 2.47 | 236 | <10 | 160 | 1.3 | 9 | 0.31 | 2.9 | 6 | 32 | 86 | 2.79 | 10 |
| CC42061 | | 0.22 | 1.4 | 2.02 | 83 | <10 | 180 | 0.7 | 6 | 0.23 | 1.5 | 5 | 28 | 44 | 2.32 | 10 |
| CC42062 | | 0.18 | 2.3 | 2.30 | 141 | <10 | 200 | 1.2 | 14 | 0.39 | 1.8 | 9 | 29 | 97 | 2.92 | 10 |
| CC42063 | | 0.18 | 4.1 | 2.77 | 190 | <10 | 270 | 1.6 | 9 | 0.42 | 3.1 | 15 | 42 | 130 | 3.48 | 10 |
| CC42064 | | 0.12 | 3.1 | 2.40 | 115 | <10 | 260 | 1.7 | 7 | 0.45 | 4.8 | 13 | 33 | 127 | 2.84 | 10 |
| CC42065 | | 0.28 | 2.4 | 2.72 | 211 | 10 | 250 | 1.3 | 4 | 0.34 | 1.8 | 14 | 36 | 79 | 3.29 | 10 |
| CC42066 | | 0.26 | 4.4 | 3.02 | 311 | <10 | 220 | 1.3 | 7 | 0.40 | 2.3 | 15 | 44 | 93 | 3.63 | 10 |
| CC42067 | | 0.28 | 2.0 | 2.59 | 183 | <10 | 240 | 0.8 | 6 | 0.36 | 2.5 | 14 | 50 | 58 | 3.33 | 10 |
| CC42068 | | 0.24 | 0.9 | 2.24 | 75 | <10 | 200 | 0.8 | <2 | 0.36 | 0.7 | 9 | 40 | 52 | 2.72 | 10 |
| CC42069 | | 0.20 | 0.4 | 1.72 | 61 | <10 | 150 | 0.7 | 2 | 0.23 | <0.5 | 8 | 29 | 41 | 2.37 | 10 |

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| 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 |
| CC42030 | | 1 | 0.30 | 20 | 1.13 | 303 | 2 | 0.02 | 28 | 660 | 329 | 0.09 | 9 | 4 | 53 | <20 |
| CC42031 | | <1 | 0.04 | <10 | 0.08 | 39 | <1 | 0.02 | 1 | 540 | 43 | 0.05 | <2 | <1 | 12 | <20 |
| CC42032 | | <1 | 0.16 | 10 | 0.91 | 354 | 3 | 0.02 | 34 | 710 | 82 | 0.06 | 3 | 5 | 50 | <20 |
| CC42033 | | <1 | 0.15 | 10 | 0.86 | 330 | 3 | 0.02 | 26 | 600 | 48 | 0.05 | <2 | 5 | 46 | <20 |
| CC42034 | | 1 | 0.12 | 10 | 0.94 | 314 | 3 | 0.01 | 30 | 630 | 52 | 0.06 | <2 | 5 | 47 | <20 |
| CC42035 | | <1 | 0.11 | 20 | 0.69 | 246 | 3 | 0.01 | 17 | 690 | 137 | 0.05 | <2 | 4 | 30 | <20 |
| CC42036 | | <1 | 0.11 | 20 | 0.58 | 1050 | 2 | 0.02 | 16 | 910 | 82 | 0.10 | <2 | 3 | 31 | <20 |
| CC42037 | | <1 | 0.14 | 20 | 0.75 | 268 | 2 | 0.01 | 21 | 620 | 77 | 0.05 | <2 | 4 | 28 | <20 |
| CC42038 | | 1 | 0.06 | 20 | 0.34 | 4470 | 4 | 0.02 | 15 | 1480 | 84 | 0.16 | <2 | 2 | 29 | <20 |
| CC42039 | | 1 | 0.10 | 10 | 0.57 | 549 | 1 | 0.01 | 14 | 570 | 39 | 0.04 | <2 | 3 | 24 | <20 |
| CC42040 | | <1 | 0.15 | 20 | 0.75 | 398 | 2 | 0.01 | 22 | 580 | 79 | 0.03 | 2 | 4 | 33 | <20 |
| CC42041 | | <1 | 0.11 | 10 | 0.62 | 237 | 1 | 0.01 | 17 | 620 | 62 | 0.03 | <2 | 4 | 28 | <20 |
| CC42042 | | 1 | 0.11 | 10 | 0.65 | 297 | 1 | 0.01 | 18 | 580 | 54 | 0.03 | <2 | 4 | 26 | <20 |
| CC42043 | | <1 | 0.13 | 10 | 0.71 | 371 | 4 | 0.01 | 22 | 520 | 59 | 0.04 | <2 | 3 | 27 | <20 |
| CC42044 | | 1 | 0.09 | 10 | 0.71 | 259 | 7 | 0.01 | 20 | 580 | 85 | 0.04 | <2 | 3 | 22 | <20 |
| CC42045 | | 1 | 0.07 | 10 | 0.53 | 326 | 9 | 0.01 | 16 | 600 | 68 | 0.05 | <2 | 2 | 21 | <20 |
| CC42046 | | 1 | 0.04 | 10 | 0.29 | 115 | 6 | 0.02 | 7 | 640 | 37 | 0.05 | <2 | 1 | 16 | <20 |
| CC42047 | | <1 | 0.03 | 10 | 0.15 | 51 | 3 | 0.02 | 2 | 460 | 28 | 0.05 | <2 | <1 | 15 | <20 |
| CC42048 | | <1 | 0.07 | 10 | 0.57 | 167 | 5 | 0.01 | 15 | 530 | 62 | 0.02 | <2 | 3 | 21 | <20 |
| CC42049 | | 1 | 0.09 | 20 | 0.39 | 307 | 1 | 0.02 | 15 | 660 | 10 | 0.05 | <2 | 3 | 30 | <20 |
| CC42050 | | <1 | 0.08 | 20 | 0.46 | 333 | 1 | 0.02 | 15 | 480 | 12 | 0.03 | <2 | 4 | 25 | <20 |
| CC42051 | | 1 | 0.06 | 10 | 0.45 | 346 | 1 | 0.01 | 13 | 380 | 10 | 0.02 | <2 | 3 | 22 | <20 |
| CC42052 | | <1 | 0.06 | 20 | 0.35 | 300 | 1 | 0.02 | 11 | 310 | 16 | 0.02 | <2 | 4 | 21 | <20 |
| CC42053 | | <1 | 0.04 | 10 | 0.11 | 60 | 1 | 0.01 | 4 | 160 | 14 | 0.01 | <2 | 1 | 12 | <20 |
| CC42054 | | <1 | 0.05 | 10 | 0.35 | 338 | 1 | 0.01 | 11 | 210 | 13 | 0.02 | <2 | 2 | 11 | <20 |
| CC42055 | | 1 | 0.03 | <10 | 0.03 | 41 | 1 | 0.01 | <1 | 210 | 4 | 0.02 | <2 | <1 | 7 | <20 |
| CC42056 | | <1 | 0.06 | 10 | 0.35 | 268 | 2 | 0.01 | 11 | 400 | 19 | 0.02 | <2 | 2 | 15 | <20 |
| CC42057 | | <1 | 0.04 | 10 | 0.17 | 86 | 1 | 0.01 | 6 | 340 | 19 | 0.03 | <2 | 1 | 12 | <20 |
| CC42058 | | <1 | 0.15 | 20 | 0.64 | 295 | 3 | 0.02 | 29 | 660 | 1490 | 0.13 | 52 | 3 | 38 | <20 |
| CC42059 | | <1 | 0.08 | 30 | 0.38 | 141 | 2 | 0.02 | 14 | 1130 | 445 | 0.15 | 7 | 1 | 51 | <20 |
| CC42060 | | <1 | 0.17 | 20 | 0.84 | 266 | 3 | 0.01 | 16 | 800 | 338 | 0.08 | 9 | 3 | 44 | <20 |
| CC42061 | | <1 | 0.15 | 20 | 0.79 | 180 | 1 | 0.01 | 11 | 660 | 135 | 0.07 | 2 | 3 | 26 | <20 |
| CC42062 | | <1 | 0.24 | 30 | 1.10 | 391 | 3 | 0.02 | 15 | 800 | 280 | 0.08 | 6 | 3 | 52 | <20 |
| CC42063 | | 1 | 0.27 | 30 | 1.19 | 888 | 3 | 0.02 | 22 | 1020 | 330 | 0.12 | 5 | 4 | 63 | <20 |
| CC42064 | | <1 | 0.18 | 40 | 1.01 | 596 | 3 | 0.02 | 19 | 950 | 292 | 0.12 | <2 | 3 | 59 | <20 |
| CC42065 | | 1 | 0.21 | 20 | 1.17 | 758 | 3 | 0.02 | 21 | 740 | 382 | 0.07 | 7 | 4 | 51 | <20 |
| CC42066 | | <1 | 0.19 | 20 | 1.13 | 793 | 5 | 0.02 | 25 | 950 | 657 | 0.11 | 16 | 4 | 54 | <20 |
| CC42067 | | 1 | 0.11 | 20 | 0.94 | 732 | 3 | 0.01 | 30 | 840 | 336 | 0.07 | 15 | 5 | 40 | <20 |
| CC42068 | | <1 | 0.12 | 20 | 0.85 | 283 | 1 | 0.01 | 25 | 760 | 70 | 0.06 | 3 | 4 | 33 | <20 |
| CC42069 | | 1 | 0.07 | 10 | 0.65 | 699 | 1 | 0.01 | 15 | 500 | 56 | 0.05 | <2 | 2 | 23 | <20 |

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8


Finalized : 22-OCT-2007
Account: RCM

Project: CONNAUGHT GRID A AND GRID B

# CERTIFICATE OF ANALYSIS VA07107506

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC42030 | | 0.10 | <10 | <10 | 57 | <10 | 388 |
| CC42031 | | 0.02 | <10 | <10 | 13 | <10 | 37 |
| CC42032 | | 0.09 | <10 | <10 | 69 | <10 | 262 |
| CC42033 | | 0.09 | <10 | <10 | 69 | <10 | 130 |
| CC42034 | | 0.08 | <10 | <10 | 66 | <10 | 124 |
| CC42035 | | 0.09 | <10 | <10 | 58 | <10 | 134 |
| CC42036 | | 0.06 | <10 | <10 | 50 | <10 | 133 |
| CC42037 | | 0.09 | <10 | <10 | 49 | <10 | 177 |
| CC42038 | | 0.04 | <10 | <10 | 46 | <10 | 96 |
| CC42039 | | 0.07 | <10 | <10 | 42 | <10 | 129 |
| CC42040 | | 0.09 | <10 | <10 | 48 | <10 | 158 |
| CC42041 | | 0.08 | <10 | <10 | 44 | <10 | 129 |
| CC42042 | | 0.09 | <10 | <10 | 46 | <10 | 140 |
| CC42043 | | 0.09 | <10 | <10 | 50 | <10 | 126 |
| CC42044 | | 0.07 | <10 | <10 | 54 | <10 | 104 |
| CC42045 | | 0.06 | <10 | <10 | 41 | <10 | 87 |
| CC42046 | | 0.04 | <10 | <10 | 31 | <10 | 42 |
| CC42047 | | 0.03 | <10 | <10 | 18 | <10 | 23 |
| CC42048 | | 0.08 | <10 | <10 | 43 | <10 | 82 |
| CC42049 | | 0.04 | <10 | <10 | 43 | <10 | 59 |
| CC42050 | | 0.05 | <10 | <10 | 50 | <10 | 63 |
| CC42051 | | 0.05 | <10 | <10 | 46 | <10 | 53 |
| CC42052 | | 0.06 | <10 | <10 | 46 | <10 | 54 |
| CC42053 | | 0.04 | <10 | <10 | 26 | <10 | 21 |
| CC42054 | | 0.07 | <10 | <10 | 52 | <10 | 48 |
| CC42055 | | 0.02 | <10 | <10 | 15 | <10 | 12 |
| CC42056 | | 0.05 | <10 | <10 | 50 | <10 | 67 |
| CC42057 | | 0.04 | <10 | <10 | 26 | <10 | 40 |
| CC42058 | | 0.05 | <10 | <10 | 58 | <10 | 525 |
| CC42059 | | 0.04 | <10 | <10 | 36 | <10 | 185 |
| CC42060 | | 0.08 | <10 | <10 | 56 | <10 | 238 |
| CC42061 | | 0.08 | <10 | <10 | 49 | <10 | 154 |
| CC42062 | | 0.10 | <10 | <10 | 55 | <10 | 415 |
| CC42063 | | 0.09 | <10 | <10 | 63 | <10 | 505 |
| CC42064 | | 0.08 | <10 | <10 | 51 | <10 | 398 |
| CC42065 | | 0.10 | <10 | <10 | 63 | <10 | 303 |
| CC42066 | | 0.09 | <10 | <10 | 72 | <10 | 359 |
| CC42067 | | 0.08 | 10 | <10 | 75 | <10 | 393 |
| CC42068 | | 0.09 | <10 | <10 | 59 | <10 | 183 |
| CC42069 | | 0.07 | <10 | <10 | 49 | <10 | 134 |

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VANCOUVER BC V6B 1L8


Finalized Date: 22-OCT-2007
Account: RCM

Project: CONNAUGHT GRID A AND GRID B

## CERTIFICATE OF ANALYSIS VA07107506

| 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 |
| CC42070 | | 0.16 | 0.5 | 1.63 | 92 | <10 | 190 | 0.5 | 3 | 0.26 | <0.5 | 14 | 28 | 29 | 2.45 | 10 |
| CC42071 | | 0.18 | 1.0 | 2.04 | 84 | <10 | 220 | 0.7 | 3 | 0.34 | <0.5 | 10 | 31 | 47 | 2.57 | 10 |
| CC42072 | | 0.26 | 0.7 | 2.38 | 61 | <10 | 220 | 0.8 | 2 | 0.26 | 0.5 | 10 | 38 | 41 | 2.79 | 10 |
| CC42073 | | 0.30 | 0.7 | 2.04 | 69 | <10 | 200 | 0.8 | 2 | 0.24 | 0.5 | 10 | 31 | 51 | 2.69 | 10 |
| CC42074 | | 0.22 | 1.5 | 2.71 | 116 | 10 | 250 | 1.0 | 5 | 0.33 | 0.5 | 23 | 41 | 74 | 3.88 | 10 |
| CC42075 | | 0.20 | 0.8 | 1.60 | 69 | <10 | 190 | 0.6 | 5 | 0.33 | 0.7 | 6 | 25 | 46 | 2.26 | 10 |
| CC42076 | | 0.40 | 0.7 | 2.06 | 63 | <10 | 160 | 0.7 | 12 | 0.27 | 0.5 | 9 | 34 | 53 | 2.91 | 10 |
| CC42077 | | 0.16 | 0.5 | 1.20 | 27 | <10 | 120 | <0.5 | 4 | 0.18 | <0.5 | 5 | 19 | 32 | 1.66 | <10 |
| CC42078 | | 0.14 | 0.7 | 1.47 | 35 | <10 | 160 | <0.5 | 3 | 0.19 | <0.5 | 4 | 23 | 35 | 1.89 | 10 |
| CC42079 | | 0.24 | 0.5 | 1.61 | 39 | <10 | 120 | <0.5 | 2 | 0.19 | <0.5 | 6 | 26 | 40 | 2.11 | 10 |

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Finalized Date: 22-OCT-2007
Account: RCM

Project: CONNAUGHT GRID A AND GRID B

# CERTIFICATE OF ANALYSIS VA07107506

| 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 |
| CC42070 | | <1 | 0.06 | 10 | 0.54 | 1255 | 2 | 0.02 | 16 | 740 | 48 | 0.05 | <2 | 2 | 28 | <20 |
| CC42071 | | <1 | 0.10 | 20 | 0.66 | 453 | 2 | 0.01 | 21 | 750 | 73 | 0.05 | 2 | 3 | 33 | <20 |
| CC42072 | | 1 | 0.09 | 20 | 0.82 | 313 | 1 | 0.01 | 24 | 620 | 56 | 0.05 | <2 | 4 | 26 | <20 |
| CC42073 | | <1 | 0.14 | 20 | 0.71 | 439 | 4 | 0.01 | 19 | 600 | 55 | 0.04 | <2 | 3 | 28 | <20 |
| CC42074 | | <1 | 0.21 | 30 | 1.02 | 1135 | 19 | 0.02 | 27 | 870 | 152 | 0.10 | 4 | 5 | 42 | <20 |
| CC42075 | | <1 | 0.09 | 20 | 0.54 | 245 | 12 | 0.01 | 17 | 700 | 60 | 0.06 | <2 | 2 | 35 | <20 |
| CC42076 | | <1 | 0.12 | 20 | 0.69 | 285 | 15 | 0.01 | 24 | 740 | 60 | 0.03 | <2 | 4 | 28 | <20 |
| CC42077 | | <1 | 0.06 | 10 | 0.36 | 133 | 6 | 0.01 | 14 | 590 | 27 | 0.04 | <2 | 1 | 19 | <20 |
| CC42078 | | <1 | 0.07 | 10 | 0.44 | 136 | 4 | 0.01 | 15 | 530 | 32 | 0.04 | 3 | 2 | 22 | <20 |
| CC42079 | | <1 | 0.07 | 10 | 0.49 | 175 | 6 | 0.01 | 15 | 600 | 49 | 0.03 | <2 | 2 | 18 | <20 |

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Finalized Date: 22-OCT-2007
Account: RCM

Project: CONNAUGHT GRID A AND GRID B

## CERTIFICATE OF ANALYSIS VA07107506

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC42070 | | 0.07 | <10 | <10 | 55 | <10 | 103 |
| CC42071 | | 0.07 | <10 | <10 | 52 | <10 | 125 |
| CC42072 | | 0.09 | <10 | <10 | 62 | <10 | 172 |
| CC42073 | | 0.08 | <10 | <10 | 52 | <10 | 147 |
| CC42074 | | 0.09 | <10 | <10 | 65 | <10 | 174 |
| CC42075 | | 0.06 | 10 | <10 | 43 | <10 | 92 |
| CC42076 | | 0.09 | <10 | <10 | 56 | <10 | 106 |
| CC42077 | | 0.05 | <10 | <10 | 30 | <10 | 56 |
| CC42078 | | 0.05 | <10 | <10 | 33 | <10 | 67 |
| CC42079 | | 0.06 | <10 | <10 | 38 | <10 | 66 |

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Finalized


29-OCT-2007
Account: RCM

## CERTIFICATE VA07107505

Project: CONNAUGHT GRID A AND B

P.O. No.:

This report is for 180 Soil samples submitted to our lab in Vancouver, BC, Canada on 4-SEP-2007.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| AL ARCHER<br>BILL WENGZYNOWSKI | DOUG EATON | JOAN MARIACHER |

## 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 |
|---|---|---|
| ME-ICP41 | 35 Element Aqua Regia ICP-AES | ICP-AES |

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

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

**Signature:** Lawrence Ng

Lawrence Ng, Laboratory Manager - Vancouver

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Project: CONNAUGHT GRID A AND B

## CERTIFICATE OF ANALYSIS VA07107505

| 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 |
| CC41590 | | 0.20 | 0.2 | 0.53 | 3 | <10 | 50 | <0.5 | <2 | 0.11 | <0.5 | 2 | 11 | 9 | 1.13 | <10 |
| CC41591 | | 0.14 | 0.7 | 0.31 | 2 | <10 | 60 | <0.5 | <2 | 0.18 | <0.5 | <1 | 10 | 16 | 0.44 | <10 |
| CC41592 | | 0.10 | 0.8 | 0.36 | 6 | <10 | 40 | <0.5 | <2 | 0.09 | <0.5 | <1 | 9 | 8 | 0.51 | <10 |
| CC41593 | | 0.26 | 0.3 | 0.65 | 10 | <10 | 100 | <0.5 | <2 | 0.11 | <0.5 | 1 | 10 | 9 | 1.41 | 10 |
| CC41594 | | 0.20 | 0.6 | 1.53 | 89 | <10 | 110 | 0.7 | <2 | 0.23 | 1.0 | 4 | 25 | 31 | 2.23 | 10 |
| CC41595 | | 0.26 | 0.4 | 1.60 | 72 | <10 | 110 | 0.7 | 4 | 0.19 | <0.5 | 4 | 22 | 51 | 2.24 | <10 |
| CC41596 | | 0.18 | 1.1 | 0.67 | 37 | <10 | 60 | <0.5 | 3 | 0.08 | <0.5 | 1 | 10 | 30 | 0.98 | <10 |
| CC41597 | | 0.16 | 1.3 | 0.95 | 83 | <10 | 90 | <0.5 | 4 | 0.10 | <0.5 | 2 | 13 | 38 | 1.31 | <10 |
| CC41598 | | 0.14 | 1.4 | 1.71 | 191 | <10 | 130 | 0.6 | 5 | 0.21 | 1.0 | 5 | 31 | 51 | 2.48 | 10 |
| CC41599 | | 0.10 | 1.9 | 1.41 | 51 | <10 | 170 | 0.7 | 4 | 0.33 | 0.7 | 4 | 17 | 61 | 1.87 | <10 |
| CC41600 | | 0.20 | 1.8 | 1.45 | 127 | <10 | 70 | <0.5 | 6 | 0.16 | <0.5 | 3 | 22 | 76 | 3.30 | 10 |
| CC41601 | | 0.26 | 1.5 | 1.33 | 78 | <10 | 60 | <0.5 | 7 | 0.05 | <0.5 | 1 | 8 | 110 | 2.64 | <10 |
| CC41602 | | 0.24 | 1.9 | 1.32 | 90 | <10 | 60 | <0.5 | 20 | 0.07 | <0.5 | 1 | 11 | 98 | 2.63 | 10 |
| CC41603 | | 0.22 | 1.1 | 0.68 | 56 | <10 | 60 | <0.5 | 6 | 0.06 | <0.5 | <1 | 9 | 50 | 1.98 | <10 |
| CC41604 | | 0.18 | 2.1 | 0.56 | 9 | <10 | 70 | <0.5 | 3 | 0.13 | <0.5 | <1 | 17 | 49 | 0.72 | <10 |
| CC41605 | | 0.34 | 1.4 | 1.68 | 104 | <10 | 80 | <0.5 | 19 | 0.08 | <0.5 | 2 | 19 | 80 | 2.61 | <10 |
| CC41606 | | 0.24 | 0.5 | 1.09 | 48 | <10 | 100 | <0.5 | 2 | 0.10 | <0.5 | 2 | 16 | 71 | 2.23 | 10 |
| CC41607 | | 0.10 | 1.1 | 2.15 | 9 | <10 | 170 | <0.5 | <2 | 0.13 | <0.5 | 9 | 78 | 27 | 2.47 | 10 |
| CC41608 | | 0.10 | 2.6 | 0.75 | 40 | <10 | 100 | <0.5 | 2 | 0.14 | <0.5 | 2 | 12 | 36 | 0.98 | <10 |
| CC41609 | | 0.20 | 1.3 | 2.15 | 103 | <10 | 120 | 0.8 | 4 | 0.20 | 0.6 | 8 | 48 | 120 | 3.54 | 10 |
| CC41610 | | 0.10 | 1.3 | 1.00 | 43 | <10 | 90 | <0.5 | 3 | 0.19 | 0.7 | 5 | 24 | 68 | 1.49 | <10 |
| CC41611 | | 0.14 | 4.8 | 1.28 | 75 | <10 | 120 | 0.5 | 4 | 0.17 | 1.1 | 3 | 25 | 89 | 1.54 | <10 |
| CC41612 | | 0.16 | 3.6 | 1.58 | 71 | <10 | 150 | 0.6 | 4 | 0.24 | 3.7 | 6 | 29 | 103 | 2.02 | <10 |
| CC41613 | | 0.18 | 3.2 | 1.09 | 27 | <10 | 170 | 0.5 | 4 | 0.25 | 2.1 | 2 | 19 | 73 | 1.47 | <10 |
| CC41614 | | 0.18 | 1.9 | 0.66 | 24 | <10 | 120 | <0.5 | 3 | 0.19 | 0.8 | 3 | 11 | 66 | 1.12 | <10 |
| CC41615 | | 0.10 | 2.8 | 0.61 | 7 | <10 | 140 | 0.5 | 2 | 0.32 | 1.4 | 5 | 11 | 96 | 0.77 | <10 |
| CC41616 | | 0.34 | 0.7 | 1.89 | 44 | <10 | 100 | 0.8 | 16 | 0.23 | <0.5 | 4 | 33 | 94 | 2.85 | 10 |
| CC41617 | | 0.22 | 0.5 | 1.70 | 34 | <10 | 70 | 0.6 | 13 | 0.15 | <0.5 | 4 | 39 | 92 | 2.72 | 10 |
| CC41618 | | 0.16 | 0.6 | 0.45 | 5 | <10 | 70 | <0.5 | 2 | 0.12 | <0.5 | 1 | 16 | 30 | 0.70 | <10 |
| CC41619 | | 0.24 | 0.2 | 1.53 | 18 | <10 | 100 | 0.5 | 2 | 0.14 | <0.5 | 4 | 19 | 19 | 2.21 | <10 |
| CC41620 | | 0.18 | 1.3 | 1.17 | 14 | <10 | 90 | <0.5 | <2 | 0.07 | <0.5 | 2 | 19 | 12 | 1.73 | 10 |
| CC41621 | | 0.24 | 0.3 | 1.28 | 15 | <10 | 70 | <0.5 | <2 | 0.14 | <0.5 | 3 | 16 | 14 | 2.12 | 10 |
| CC41622 | | 0.26 | 0.2 | 2.12 | 2 | <10 | 70 | 1.1 | <2 | 0.13 | 0.5 | 7 | 22 | 16 | 2.36 | <10 |
| CC41623 | | 0.22 | <0.2 | 1.98 | 8 | <10 | 90 | 0.9 | <2 | 0.18 | <0.5 | 6 | 23 | 17 | 2.53 | 10 |
| CC41624 | | 0.26 | <0.2 | 1.83 | 13 | <10 | 60 | 0.5 | <2 | 0.06 | <0.5 | 4 | 19 | 12 | 2.71 | 10 |
| CC41625 | | 0.26 | 0.2 | 1.67 | 55 | <10 | 140 | 1.0 | <2 | 0.22 | <0.5 | 6 | 24 | 38 | 2.32 | <10 |
| CC41626 | | 0.22 | 0.4 | 1.59 | 44 | <10 | 110 | 0.9 | <2 | 0.20 | <0.5 | 5 | 22 | 32 | 2.28 | 10 |
| CC41627 | | 0.28 | 0.4 | 1.84 | 66 | <10 | 110 | 1.1 | <2 | 0.20 | <0.5 | 6 | 24 | 40 | 2.66 | 10 |
| CC41628 | | 0.28 | 1.2 | 1.63 | 310 | <10 | 90 | 1.0 | 11 | 0.14 | 0.5 | 4 | 17 | 189 | 2.92 | 10 |
| CC41629 | | 0.38 | 1.1 | 1.56 | 247 | <10 | 100 | 0.9 | 9 | 0.14 | <0.5 | 3 | 17 | 153 | 2.59 | 10 |

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## CERTIFICATE OF ANALYSIS VA07107505

| 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 |
| CC41590 | | <1 | 0.07 | 20 | 0.13 | 471 | 2 | 0.01 | 7 | 440 | 11 | 0.03 | <2 | 1 | 7 | <20 |
| CC41591 | | <1 | 0.04 | 10 | 0.04 | 28 | 1 | 0.02 | 6 | 660 | 19 | 0.09 | <2 | <1 | 20 | <20 |
| CC41592 | | 1 | 0.05 | 10 | 0.04 | 40 | 2 | 0.02 | 4 | 720 | 7 | 0.07 | <2 | <1 | 8 | <20 |
| CC41593 | | <1 | 0.06 | 20 | 0.13 | 146 | 2 | 0.01 | 5 | 240 | 24 | 0.02 | 2 | 1 | 12 | <20 |
| CC41594 | | <1 | 0.09 | 20 | 0.51 | 242 | 1 | 0.02 | 16 | 510 | 108 | 0.04 | 4 | 2 | 29 | <20 |
| CC41595 | | <1 | 0.07 | 20 | 0.47 | 217 | 1 | 0.01 | 15 | 460 | 39 | 0.02 | <2 | 2 | 19 | <20 |
| CC41596 | | <1 | 0.05 | 10 | 0.17 | 78 | 1 | 0.02 | 5 | 270 | 36 | 0.03 | <2 | 1 | 11 | <20 |
| CC41597 | | <1 | 0.07 | 20 | 0.25 | 86 | 2 | 0.01 | 6 | 290 | 69 | 0.03 | <2 | 1 | 17 | <20 |
| CC41598 | | <1 | 0.11 | 20 | 0.58 | 254 | 2 | 0.02 | 20 | 360 | 67 | 0.05 | 2 | 3 | 33 | <20 |
| CC41599 | | <1 | 0.08 | 30 | 0.31 | 212 | 2 | 0.03 | 13 | 1010 | 177 | 0.14 | 2 | 1 | 37 | <20 |
| CC41600 | | 1 | 0.12 | 30 | 0.48 | 161 | 2 | 0.01 | 12 | 580 | 254 | 0.07 | <2 | 2 | 15 | <20 |
| CC41601 | | 1 | 0.36 | 50 | 0.76 | 252 | 3 | 0.01 | 5 | 220 | 479 | 0.23 | 2 | 1 | 9 | 30 |
| CC41602 | | <1 | 0.19 | 40 | 0.41 | 132 | 2 | 0.01 | 6 | 330 | 293 | 0.18 | 2 | 1 | 10 | <20 |
| CC41603 | | 1 | 0.10 | 30 | 0.10 | 124 | 3 | 0.01 | 3 | 420 | 260 | 0.10 | <2 | 1 | 16 | <20 |
| CC41604 | | <1 | 0.04 | 30 | 0.04 | 30 | 3 | 0.02 | 12 | 1030 | 86 | 0.12 | <2 | <1 | 14 | <20 |
| CC41605 | | 1 | 0.23 | 40 | 0.65 | 189 | 3 | 0.01 | 13 | 230 | 210 | 0.16 | <2 | 2 | 11 | 20 |
| CC41606 | | 1 | 0.11 | 30 | 0.34 | 194 | 2 | 0.02 | 10 | 430 | 101 | 0.14 | <2 | 1 | 15 | <20 |
| CC41607 | | 1 | 0.19 | 10 | 1.63 | 160 | 1 | 0.03 | 20 | 360 | 27 | 0.05 | 3 | 3 | 39 | <20 |
| CC41608 | | <1 | 0.07 | 20 | 0.10 | 46 | 2 | 0.03 | 6 | 1210 | 58 | 0.16 | <2 | <1 | 18 | <20 |
| CC41609 | | <1 | 0.25 | 30 | 0.92 | 278 | 2 | 0.02 | 24 | 650 | 82 | 0.12 | 2 | 3 | 30 | <20 |
| CC41610 | | 1 | 0.07 | 20 | 0.29 | 103 | 2 | 0.02 | 13 | 870 | 55 | 0.12 | <2 | 1 | 25 | <20 |
| CC41611 | | <1 | 0.07 | 20 | 0.24 | 118 | 1 | 0.02 | 11 | 1410 | 383 | 0.18 | 3 | 1 | 23 | <20 |
| CC41612 | | 1 | 0.13 | 20 | 0.42 | 271 | 2 | 0.02 | 20 | 1340 | 96 | 0.16 | <2 | 2 | 33 | <20 |
| CC41613 | | <1 | 0.07 | 20 | 0.24 | 101 | 1 | 0.02 | 13 | 1640 | 57 | 0.19 | 2 | 1 | 30 | <20 |
| CC41614 | | <1 | 0.06 | 20 | 0.13 | 83 | 1 | 0.02 | 6 | 1260 | 32 | 0.15 | <2 | <1 | 24 | <20 |
| CC41615 | | <1 | 0.07 | 30 | 0.12 | 307 | 1 | 0.03 | 9 | 1350 | 41 | 0.15 | <2 | <1 | 36 | <20 |
| CC41616 | | <1 | 0.14 | 30 | 0.78 | 276 | 2 | 0.02 | 17 | 530 | 86 | 0.04 | 3 | 3 | 25 | <20 |
| CC41617 | | <1 | 0.15 | 20 | 0.79 | 306 | 2 | 0.01 | 17 | 400 | 66 | 0.06 | 2 | 3 | 28 | <20 |
| CC41618 | | <1 | 0.05 | 10 | 0.07 | 41 | 2 | 0.02 | 11 | 730 | 13 | 0.07 | <2 | <1 | 18 | <20 |
| CC41619 | | <1 | 0.08 | 30 | 0.51 | 215 | 2 | <0.01 | 13 | 280 | 41 | 0.02 | <2 | 3 | 13 | <20 |
| CC41620 | | <1 | 0.04 | 30 | 0.15 | 82 | 2 | 0.02 | 10 | 610 | 45 | 0.07 | <2 | 1 | 11 | <20 |
| CC41621 | | <1 | 0.09 | 30 | 0.40 | 252 | 3 | 0.01 | 11 | 380 | 48 | 0.06 | <2 | 1 | 12 | <20 |
| CC41622 | | <1 | 0.08 | 50 | 0.47 | 423 | 2 | 0.01 | 17 | 360 | 18 | 0.03 | <2 | 3 | 11 | 20 |
| CC41623 | | <1 | 0.08 | 50 | 0.50 | 393 | 2 | 0.02 | 20 | 490 | 18 | 0.03 | <2 | 3 | 14 | <20 |
| CC41624 | | 1 | 0.05 | 20 | 0.29 | 213 | 3 | <0.01 | 11 | 260 | 19 | 0.02 | 2 | 2 | 7 | <20 |
| CC41625 | | 1 | 0.08 | 20 | 0.51 | 296 | 1 | 0.01 | 16 | 450 | 33 | 0.02 | 2 | 3 | 25 | <20 |
| CC41626 | | <1 | 0.07 | 20 | 0.42 | 256 | 1 | 0.02 | 15 | 440 | 25 | 0.02 | <2 | 2 | 22 | <20 |
| CC41627 | | 1 | 0.06 | 20 | 0.50 | 318 | 1 | 0.01 | 18 | 480 | 30 | 0.02 | <2 | 3 | 18 | <20 |
| CC41628 | | <1 | 0.18 | 30 | 0.60 | 257 | 4 | 0.01 | 11 | 440 | 362 | 0.10 | 4 | 2 | 24 | 20 |
| CC41629 | | <1 | 0.15 | 30 | 0.51 | 233 | 3 | 0.02 | 11 | 390 | 225 | 0.08 | 2 | 2 | 23 | <20 |

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Finalized L.. : 29-OCT-2007
Account: RCM

Project: CONNAUGHT GRID A AND B

## CERTIFICATE OF ANALYSIS VA07107505

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC41590 | | 0.04 | <10 | <10 | 27 | <10 | 47 |
| CC41591 | | 0.01 | <10 | <10 | 10 | <10 | 16 |
| CC41592 | | 0.02 | <10 | <10 | 16 | <10 | 17 |
| CC41593 | | 0.06 | <10 | <10 | 41 | <10 | 32 |
| CC41594 | | 0.06 | <10 | <10 | 47 | <10 | 94 |
| CC41595 | | 0.07 | <10 | <10 | 44 | <10 | 70 |
| CC41596 | | 0.04 | <10 | <10 | 21 | <10 | 35 |
| CC41597 | | 0.05 | <10 | <10 | 31 | <10 | 52 |
| CC41598 | | 0.07 | <10 | <10 | 52 | <10 | 169 |
| CC41599 | | 0.03 | <10 | <10 | 22 | <10 | 49 |
| CC41600 | | 0.07 | <10 | <10 | 45 | <10 | 53 |
| CC41601 | | 0.05 | <10 | <10 | 19 | <10 | 65 |
| CC41602 | | 0.04 | <10 | <10 | 25 | <10 | 44 |
| CC41603 | | 0.05 | <10 | <10 | 37 | <10 | 35 |
| CC41604 | | 0.01 | <10 | <10 | 7 | <10 | 11 |
| CC41605 | | 0.06 | <10 | <10 | 29 | <10 | 56 |
| CC41606 | | 0.04 | <10 | <10 | 33 | <10 | 47 |
| CC41607 | | 0.16 | <10 | <10 | 65 | <10 | 58 |
| CC41608 | | 0.02 | <10 | <10 | 13 | <10 | 28 |
| CC41609 | | 0.11 | <10 | <10 | 55 | 10 | 100 |
| CC41610 | | 0.03 | <10 | <10 | 25 | <10 | 46 |
| CC41611 | | 0.02 | <10 | 10 | 21 | <10 | 54 |
| CC41612 | | 0.03 | <10 | <10 | 32 | <10 | 96 |
| CC41613 | | 0.02 | <10 | <10 | 20 | <10 | 61 |
| CC41614 | | 0.02 | <10 | <10 | 14 | <10 | 28 |
| CC41615 | | 0.01 | <10 | <10 | 10 | <10 | 47 |
| CC41616 | | 0.09 | <10 | <10 | 51 | <10 | 90 |
| CC41617 | | 0.09 | <10 | <10 | 45 | <10 | 99 |
| CC41618 | | 0.01 | <10 | <10 | 16 | <10 | 21 |
| CC41619 | | 0.06 | <10 | <10 | 36 | <10 | 73 |
| CC41620 | | 0.03 | <10 | <10 | 30 | <10 | 33 |
| CC41621 | | 0.05 | <10 | <10 | 39 | <10 | 71 |
| CC41622 | | 0.06 | <10 | <10 | 37 | <10 | 108 |
| CC41623 | | 0.07 | <10 | <10 | 44 | <10 | 71 |
| CC41624 | | 0.06 | <10 | <10 | 45 | <10 | 45 |
| CC41625 | | 0.07 | <10 | <10 | 47 | <10 | 63 |
| CC41626 | | 0.07 | <10 | <10 | 45 | <10 | 59 |
| CC41627 | | 0.07 | <10 | <10 | 52 | <10 | 64 |
| CC41628 | | 0.05 | <10 | <10 | 36 | <10 | 127 |
| CC41629 | | 0.06 | <10 | <10 | 38 | <10 | 105 |

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Finalized Date: 29-OCT-2007
Account: RCM

Project: CONNAUGHT GRID A AND B

## CERTIFICATE OF ANALYSIS VA07107505

| 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 |
| CC41630 | | 0.26 | 1.0 | 2.41 | 199 | <10 | 140 | 1.0 | <2 | 0.21 | 0.9 | 6 | 36 | 38 | 2.76 | 10 |
| CC41631 | | 0.20 | 0.6 | 2.64 | 398 | <10 | 150 | 1.3 | 3 | 0.22 | 1.0 | 10 | 41 | 50 | 2.91 | 10 |
| CC41632 | | 0.22 | 1.9 | 1.91 | 112 | <10 | 150 | 0.7 | 6 | 0.17 | <0.5 | 6 | 23 | 94 | 2.91 | 10 |
| CC41633 | | 0.22 | 2.2 | 1.44 | 105 | <10 | 70 | <0.5 | 12 | 0.15 | <0.5 | 4 | 18 | 130 | 2.73 | <10 |
| CC41634 | | 0.28 | 0.7 | 1.64 | 48 | <10 | 80 | <0.5 | 6 | 0.14 | <0.5 | 5 | 19 | 64 | 2.73 | <10 |
| CC41635 | | 0.26 | 0.8 | 1.72 | 36 | <10 | 80 | <0.5 | 5 | 0.09 | <0.5 | 6 | 22 | 29 | 3.23 | 10 |
| CC41636 | | 0.24 | 0.4 | 1.68 | 296 | <10 | 130 | 0.5 | 3 | 0.11 | <0.5 | 6 | 20 | 73 | 3.19 | <10 |
| CC41637 | | 0.20 | 0.2 | 0.98 | 21 | <10 | 90 | <0.5 | <2 | 0.09 | <0.5 | 4 | 16 | 15 | 1.16 | <10 |
| CC41638 | | 0.28 | 0.9 | 3.06 | 153 | <10 | 440 | 0.8 | 6 | 0.23 | <0.5 | 12 | 157 | 85 | 3.64 | 10 |
| CC41639 | | 0.28 | 0.5 | 1.78 | 35 | <10 | 150 | <0.5 | 3 | 0.19 | <0.5 | 6 | 33 | 50 | 1.56 | 10 |
| CC41640 | | 0.22 | 1.3 | 2.07 | 138 | <10 | 160 | 0.7 | 7 | 0.24 | 0.5 | 17 | 43 | 89 | 3.05 | 10 |
| CC41641 | | 0.32 | 1.0 | 1.22 | 228 | <10 | 90 | 0.5 | 7 | 0.18 | 0.5 | 6 | 23 | 85 | 2.04 | <10 |
| CC41642 | | 0.34 | 1.9 | 2.58 | 254 | <10 | 160 | 1.0 | 18 | 0.27 | 1.1 | 11 | 47 | 182 | 3.52 | 10 |
| CC41643 | | 0.20 | 1.7 | 1.98 | 87 | <10 | 150 | 0.7 | 4 | 0.25 | 0.9 | 7 | 34 | 91 | 2.34 | 10 |
| CC41644 | | 0.32 | 1.7 | 2.25 | 104 | <10 | 160 | 0.6 | 8 | 0.25 | 0.5 | 10 | 39 | 81 | 3.18 | 10 |
| CC41645 | | 0.42 | 1.3 | 2.84 | 56 | <10 | 170 | 0.6 | 12 | 0.21 | 0.6 | 6 | 53 | 164 | 3.26 | 10 |
| CC41646 | | 0.34 | 1.1 | 2.39 | 58 | <10 | 160 | 0.7 | 12 | 0.25 | 0.5 | 8 | 40 | 172 | 3.07 | 10 |
| CC41647 | | 0.34 | 1.4 | 2.13 | 39 | <10 | 120 | 0.6 | 16 | 0.25 | <0.5 | 5 | 41 | 94 | 2.50 | 10 |
| CC41648 | | 0.32 | 0.8 | 1.94 | 61 | <10 | 100 | 0.9 | 50 | 0.22 | <0.5 | 9 | 53 | 133 | 2.81 | 10 |
| CC41649 | | 0.34 | 0.2 | 1.66 | 34 | <10 | 100 | <0.5 | 6 | 0.16 | <0.5 | 6 | 24 | 43 | 2.43 | 10 |
| CC41650 | | 0.36 | 0.2 | 1.88 | 10 | <10 | 90 | 0.6 | <2 | 0.16 | <0.5 | 6 | 23 | 23 | 2.28 | 10 |
| CC41651 | | 0.28 | 0.2 | 1.38 | 6 | <10 | 90 | 0.5 | <2 | 0.16 | <0.5 | 6 | 20 | 14 | 2.17 | 10 |
| CC41652 | | 0.26 | <0.2 | 1.19 | 6 | <10 | 80 | <0.5 | <2 | 0.06 | <0.5 | 3 | 13 | 15 | 1.65 | 10 |
| CC41653 | | 0.30 | 0.2 | 1.89 | 10 | <10 | 110 | 0.5 | <2 | 0.17 | <0.5 | 8 | 26 | 18 | 2.75 | 10 |
| CC41654 | | 0.28 | <0.2 | 1.49 | 9 | <10 | 90 | <0.5 | <2 | 0.10 | <0.5 | 5 | 19 | 12 | 2.16 | 10 |
| CC41655 | | 0.30 | <0.2 | 1.75 | 7 | <10 | 120 | 0.7 | 2 | 0.20 | <0.5 | 8 | 24 | 20 | 2.26 | <10 |
| CC41656 | | 0.32 | 0.4 | 2.01 | 39 | <10 | 130 | 1.3 | 3 | 0.21 | <0.5 | 7 | 25 | 37 | 2.65 | 10 |
| CC41657 | | 0.28 | 0.3 | 1.78 | 53 | <10 | 130 | 1.1 | 3 | 0.20 | <0.5 | 7 | 23 | 41 | 2.31 | <10 |
| CC41658 | | 0.24 | 0.3 | 1.37 | 61 | <10 | 90 | 0.6 | 2 | 0.19 | <0.5 | 5 | 20 | 31 | 2.18 | 10 |
| CC41659 | | 0.18 | 1.0 | 1.66 | 55 | <10 | 80 | 0.8 | 3 | 0.08 | <0.5 | 3 | 19 | 31 | 1.89 | 10 |
| CC41660 | | 0.28 | 0.9 | 2.13 | 295 | <10 | 130 | 2.1 | 6 | 0.26 | <0.5 | 6 | 21 | 146 | 2.62 | 10 |
| CC41661 | | 0.32 | 1.3 | 1.77 | 382 | <10 | 100 | 1.4 | 10 | 0.21 | <0.5 | 6 | 18 | 167 | 2.46 | 10 |
| CC41662 | | 0.26 | 0.6 | 0.90 | 138 | <10 | 60 | <0.5 | 2 | 0.07 | <0.5 | 2 | 9 | 12 | 1.24 | 10 |
| CC41663 | | 0.32 | 0.5 | 3.30 | 170 | <10 | 290 | 1.3 | 6 | 0.49 | <0.5 | 10 | 58 | 51 | 2.82 | 10 |
| CC41664 | | 0.28 | 6.1 | 3.27 | 102 | <10 | 140 | 1.1 | 8 | 0.10 | <0.5 | 5 | 27 | 98 | 4.08 | 10 |
| CC41665 | | 0.30 | 1.1 | 1.46 | 64 | <10 | 80 | <0.5 | 8 | 0.09 | <0.5 | 5 | 18 | 73 | 3.21 | 10 |
| CC41666 | | 0.22 | 0.4 | 3.32 | 28 | <10 | 100 | 0.6 | <2 | 0.11 | <0.5 | 11 | 34 | 55 | 3.48 | 10 |
| CC41667 | | 0.28 | 0.3 | 2.34 | 31 | <10 | 100 | <0.5 | <2 | 0.09 | <0.5 | 8 | 26 | 45 | 3.21 | 10 |
| CC41668 | | 0.30 | 0.4 | 2.59 | 127 | <10 | 240 | 0.8 | 2 | 0.23 | 1.0 | 12 | 65 | 135 | 3.46 | 10 |
| CC41669 | | 0.28 | 2.0 | 2.19 | 262 | <10 | 140 | 0.7 | 5 | 0.17 | <0.5 | 10 | 40 | 70 | 3.35 | 10 |

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Project: CONNAUGHT GRID A AND B

# CERTIFICATE OF ANALYSIS VA07107505

| 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 |
| CC41630 | | 1 | 0.08 | 10 | 0.59 | 216 | 2 | 0.02 | 25 | 440 | 51 | 0.05 | 3 | 3 | 36 | <20 |
| CC41631 | | <1 | 0.09 | 20 | 0.68 | 323 | 2 | 0.02 | 31 | 390 | 54 | 0.04 | 3 | 4 | 40 | <20 |
| CC41632 | | <1 | 0.37 | 50 | 0.76 | 309 | 5 | 0.02 | 17 | 620 | 232 | 0.34 | <2 | 2 | 36 | <20 |
| CC41633 | | <1 | 0.17 | 30 | 0.46 | 199 | 2 | 0.02 | 11 | 440 | 438 | 0.18 | <2 | 2 | 15 | 20 |
| CC41634 | | <1 | 0.19 | 30 | 0.64 | 232 | 2 | 0.02 | 10 | 410 | 110 | 0.16 | 2 | 2 | 14 | <20 |
| CC41635 | | <1 | 0.06 | 20 | 0.31 | 186 | 3 | 0.02 | 12 | 280 | 216 | 0.06 | <2 | 2 | 12 | <20 |
| CC41636 | | <1 | 0.19 | 50 | 0.49 | 199 | 2 | 0.03 | 14 | 460 | 123 | 0.28 | <2 | 2 | 24 | 20 |
| CC41637 | | <1 | 0.10 | 10 | 0.35 | 95 | 1 | 0.03 | 6 | 300 | 18 | 0.03 | <2 | 1 | 15 | <20 |
| CC41638 | | <1 | 0.84 | 20 | 1.75 | 471 | 3 | 0.03 | 33 | 750 | 114 | 0.11 | 2 | 6 | 45 | <20 |
| CC41639 | | <1 | 0.11 | 10 | 0.57 | 139 | 1 | 0.02 | 15 | 380 | 78 | 0.08 | <2 | 4 | 28 | <20 |
| CC41640 | | <1 | 0.21 | 20 | 0.79 | 608 | 2 | 0.02 | 21 | 640 | 149 | 0.06 | <2 | 3 | 36 | <20 |
| CC41641 | | <1 | 0.17 | 10 | 0.47 | 240 | 2 | 0.03 | 11 | 540 | 170 | 0.10 | 6 | 2 | 24 | <20 |
| CC41642 | | <1 | 0.25 | 30 | 0.96 | 434 | 2 | 0.02 | 24 | 730 | 149 | 0.10 | 4 | 4 | 34 | <20 |
| CC41643 | | <1 | 0.21 | 20 | 0.77 | 231 | 1 | 0.03 | 17 | 730 | 177 | 0.06 | 5 | 3 | 29 | <20 |
| CC41644 | | <1 | 0.12 | 20 | 0.67 | 400 | 3 | 0.01 | 23 | 760 | 110 | 0.04 | 3 | 4 | 27 | <20 |
| CC41645 | | <1 | 0.32 | 20 | 1.24 | 254 | 3 | 0.02 | 23 | 610 | 81 | 0.04 | 2 | 5 | 26 | <20 |
| CC41646 | | <1 | 0.31 | 20 | 1.13 | 324 | 2 | 0.02 | 22 | 620 | 66 | 0.05 | 2 | 4 | 25 | <20 |
| CC41647 | | <1 | 0.15 | 20 | 0.78 | 200 | 2 | 0.02 | 19 | 570 | 86 | 0.04 | <2 | 3 | 27 | <20 |
| CC41648 | | <1 | 0.21 | 20 | 0.87 | 378 | 2 | 0.02 | 21 | 510 | 130 | 0.05 | 2 | 4 | 29 | <20 |
| CC41649 | | <1 | 0.08 | 20 | 0.50 | 188 | 1 | 0.01 | 12 | 380 | 63 | 0.02 | <2 | 3 | 15 | <20 |
| CC41650 | | <1 | 0.09 | 40 | 0.53 | 197 | 2 | 0.01 | 16 | 470 | 41 | 0.02 | <2 | 3 | 14 | <20 |
| CC41651 | | <1 | 0.10 | 40 | 0.47 | 486 | 2 | 0.01 | 12 | 330 | 18 | 0.02 | <2 | 2 | 16 | <20 |
| CC41652 | | <1 | 0.03 | 10 | 0.10 | 72 | 2 | 0.01 | 4 | 310 | 12 | 0.02 | <2 | 1 | 12 | <20 |
| CC41653 | | <1 | 0.08 | 30 | 0.51 | 373 | 1 | 0.02 | 18 | 460 | 19 | 0.02 | <2 | 3 | 16 | <20 |
| CC41654 | | <1 | 0.06 | 20 | 0.31 | 239 | 1 | 0.02 | 11 | 290 | 21 | 0.02 | <2 | 2 | 12 | <20 |
| CC41655 | | <1 | 0.08 | 60 | 0.50 | 412 | 1 | 0.02 | 17 | 420 | 20 | 0.02 | <2 | 3 | 15 | 20 |
| CC41656 | | <1 | 0.09 | 20 | 0.61 | 297 | 1 | 0.02 | 17 | 410 | 31 | 0.03 | <2 | 3 | 27 | <20 |
| CC41657 | | <1 | 0.07 | 20 | 0.53 | 311 | 1 | 0.02 | 17 | 440 | 36 | 0.02 | <2 | 3 | 25 | <20 |
| CC41658 | | <1 | 0.07 | 10 | 0.40 | 223 | 1 | 0.02 | 14 | 390 | 28 | 0.02 | <2 | 2 | 22 | <20 |
| CC41659 | | <1 | 0.06 | 10 | 0.32 | 112 | 2 | 0.02 | 10 | 260 | 41 | 0.03 | <2 | 2 | 18 | <20 |
| CC41660 | | <1 | 0.13 | 30 | 0.60 | 354 | 2 | 0.02 | 14 | 440 | 61 | 0.02 | 3 | 3 | 36 | <20 |
| CC41661 | | <1 | 0.12 | 30 | 0.51 | 300 | 2 | 0.02 | 13 | 430 | 74 | 0.03 | 5 | 2 | 30 | <20 |
| CC41662 | | <1 | 0.05 | 10 | 0.12 | 78 | 1 | 0.01 | 3 | 250 | 46 | 0.03 | <2 | 1 | 11 | <20 |
| CC41663 | | <1 | 0.33 | 20 | 1.33 | 390 | 3 | 0.02 | 41 | 410 | 107 | 0.05 | 3 | 4 | 104 | <20 |
| CC41664 | | <1 | 0.13 | 20 | 0.36 | 162 | 2 | 0.02 | 13 | 580 | 134 | 0.12 | 3 | 3 | 18 | <20 |
| CC41665 | | <1 | 0.17 | 30 | 0.43 | 248 | 2 | 0.02 | 11 | 350 | 219 | 0.23 | <2 | 2 | 12 | 20 |
| CC41666 | | <1 | 0.06 | 20 | 0.49 | 337 | 2 | 0.02 | 22 | 420 | 47 | 0.06 | 2 | 4 | 12 | <20 |
| CC41667 | | <1 | 0.07 | 20 | 0.39 | 268 | 2 | 0.02 | 16 | 400 | 68 | 0.08 | 2 | 3 | 11 | <20 |
| CC41668 | | 1 | 0.33 | 20 | 1.12 | 365 | 3 | 0.02 | 23 | 700 | 93 | 0.13 | 2 | 5 | 47 | <20 |
| CC41669 | | <1 | 0.19 | 20 | 0.91 | 379 | 3 | 0.01 | 18 | 450 | 129 | 0.06 | <2 | 3 | 29 | <20 |

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| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC41630 | | 0.07 | <10 | <10 | 57 | <10 | 234 |
| CC41631 | | 0.08 | <10 | <10 | 63 | <10 | 284 |
| CC41632 | | 0.07 | <10 | <10 | 36 | <10 | 94 |
| CC41633 | | 0.07 | <10 | <10 | 34 | <10 | 60 |
| CC41634 | | 0.08 | <10 | <10 | 37 | <10 | 63 |
| CC41635 | | 0.08 | <10 | <10 | 64 | <10 | 44 |
| CC41636 | | 0.06 | <10 | <10 | 36 | <10 | 65 |
| CC41637 | | 0.07 | <10 | <10 | 26 | <10 | 27 |
| CC41638 | | 0.23 | <10 | <10 | 93 | <10 | 128 |
| CC41639 | | 0.10 | <10 | <10 | 37 | <10 | 63 |
| CC41640 | | 0.10 | <10 | <10 | 54 | <10 | 113 |
| CC41641 | | 0.07 | <10 | <10 | 37 | 10 | 145 |
| CC41642 | | 0.11 | <10 | <10 | 58 | 10 | 211 |
| CC41643 | | 0.09 | <10 | <10 | 45 | <10 | 131 |
| CC41644 | | 0.08 | <10 | <10 | 56 | <10 | 104 |
| CC41645 | | 0.12 | <10 | <10 | 70 | 10 | 99 |
| CC41646 | | 0.11 | <10 | <10 | 61 | <10 | 103 |
| CC41647 | | 0.09 | <10 | <10 | 51 | <10 | 95 |
| CC41648 | | 0.10 | <10 | <10 | 51 | <10 | 116 |
| CC41649 | | 0.07 | <10 | <10 | 40 | <10 | 69 |
| CC41650 | | 0.07 | <10 | <10 | 41 | <10 | 84 |
| CC41651 | | 0.07 | <10 | <10 | 41 | <10 | 81 |
| CC41652 | | 0.06 | <10 | <10 | 48 | <10 | 22 |
| CC41653 | | 0.08 | <10 | <10 | 54 | <10 | 66 |
| CC41654 | | 0.06 | <10 | <10 | 45 | <10 | 50 |
| CC41655 | | 0.08 | <10 | <10 | 43 | <10 | 65 |
| CC41656 | | 0.07 | <10 | <10 | 47 | <10 | 70 |
| CC41657 | | 0.07 | <10 | <10 | 45 | <10 | 64 |
| CC41658 | | 0.08 | <10 | <10 | 48 | <10 | 56 |
| CC41659 | | 0.06 | <10 | <10 | 39 | <10 | 43 |
| CC41660 | | 0.07 | <10 | 10 | 42 | <10 | 126 |
| CC41661 | | 0.06 | <10 | <10 | 41 | <10 | 116 |
| CC41662 | | 0.04 | <10 | <10 | 32 | <10 | 77 |
| CC41663 | | 0.09 | <10 | <10 | 69 | <10 | 128 |
| CC41664 | | 0.09 | <10 | <10 | 50 | <10 | 70 |
| CC41665 | | 0.08 | <10 | <10 | 40 | <10 | 55 |
| CC41666 | | 0.09 | <10 | <10 | 62 | <10 | 65 |
| CC41667 | | 0.08 | <10 | <10 | 57 | <10 | 54 |
| CC41668 | | 0.12 | <10 | <10 | 69 | <10 | 211 |
| CC41669 | | 0.12 | <10 | <10 | 60 | <10 | 114 |

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Finalized Date: 29-OCT-2007
Account: RCM

Project: CONNAUGHT GRID A AND B

# CERTIFICATE OF ANALYSIS VA07107505

| 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 |
| CC41670 | | 0.24 | 10.0 | 2.27 | 1840 | <10 | 170 | 1.7 | 27 | 0.21 | 2.8 | 14 | 53 | 240 | 3.89 | 10 |
| CC41671 | | 0.22 | 4.8 | 2.07 | 1510 | <10 | 160 | 1.4 | 23 | 0.20 | 2.5 | 13 | 47 | 207 | 3.63 | 10 |
| CC41672 | | 0.32 | 0.6 | 2.76 | 96 | <10 | 190 | 0.9 | 6 | 0.28 | 0.8 | 12 | 70 | 136 | 3.80 | 10 |
| CC41673 | | 0.32 | 1.3 | 2.04 | 201 | <10 | 120 | 0.8 | 7 | 0.24 | 1.1 | 9 | 42 | 93 | 3.17 | 10 |
| CC41674 | | 0.34 | 0.9 | 2.14 | 71 | <10 | 140 | 0.7 | 6 | 0.28 | 1.3 | 12 | 45 | 102 | 3.28 | 10 |
| CC41675 | | 0.34 | 0.9 | 2.20 | 84 | <10 | 140 | 0.7 | 7 | 0.25 | 1.0 | 9 | 40 | 84 | 2.98 | 10 |
| CC41676 | | 0.40 | 1.0 | 1.46 | 37 | <10 | 110 | <0.5 | 6 | 0.14 | <0.5 | 6 | 30 | 57 | 1.90 | <10 |
| CC41677 | | 0.32 | 0.9 | 2.04 | 37 | <10 | 150 | 0.5 | 15 | 0.19 | 0.5 | 9 | 38 | 109 | 2.85 | 10 |
| CC41678 | | 0.38 | 0.5 | 2.86 | 33 | <10 | 170 | 1.0 | 19 | 0.23 | 0.8 | 14 | 53 | 258 | 3.93 | 10 |
| CC41679 | | 0.28 | 0.7 | 2.15 | 43 | <10 | 110 | 0.6 | 23 | 0.10 | <0.5 | 6 | 40 | 156 | 3.83 | 10 |
| CC41690 | | 0.08 | 0.8 | 0.46 | 28 | <10 | 60 | <0.5 | 2 | 0.06 | <0.5 | 1 | 7 | 10 | 0.58 | <10 |
| CC41691 | | 0.24 | 2.5 | 1.83 | 659 | <10 | 100 | 0.7 | 21 | 0.11 | <0.5 | 6 | 21 | 74 | 2.96 | 10 |
| CC41692 | | 0.22 | 0.3 | 2.03 | 75 | <10 | 130 | 0.8 | 2 | 0.14 | <0.5 | 9 | 25 | 36 | 2.75 | <10 |
| CC41693 | | 0.14 | 0.3 | 0.61 | 78 | <10 | 120 | <0.5 | <2 | 0.11 | <0.5 | 3 | 9 | 14 | 1.10 | <10 |
| CC41694 | | 0.22 | 0.4 | 2.98 | 264 | <10 | 220 | 0.9 | 4 | 0.21 | <0.5 | 12 | 65 | 45 | 3.35 | 10 |
| CC41695 | | 0.24 | 1.2 | 2.69 | 127 | <10 | 250 | 1.4 | 17 | 0.26 | <0.5 | 9 | 56 | 75 | 2.67 | 10 |
| CC41696 | | 0.22 | 0.9 | 1.82 | 294 | <10 | 100 | 1.3 | 10 | 0.15 | 0.5 | 6 | 15 | 147 | 3.31 | 10 |
| CC41697 | | 0.14 | 0.9 | 1.66 | 106 | <10 | 100 | 0.9 | 4 | 0.14 | 0.5 | 4 | 16 | 73 | 2.32 | <10 |
| CC41698 | | 0.28 | 13.9 | 1.45 | 4030 | <10 | 90 | 0.7 | 25 | 0.16 | 6.9 | 5 | 17 | 208 | 3.97 | 10 |
| CC41699 | | 0.14 | 4.6 | 0.62 | 288 | <10 | 60 | <0.5 | 4 | 0.07 | 0.5 | 1 | 10 | 54 | 1.25 | <10 |
| CC41700 | | 0.16 | 4.5 | 2.46 | 371 | <10 | 150 | 0.9 | 7 | 0.26 | 2.1 | 8 | 38 | 131 | 3.19 | 10 |
| CC41701 | | 0.08 | 1.8 | 0.82 | 36 | <10 | 90 | <0.5 | 6 | 0.17 | 1.0 | 3 | 11 | 24 | 1.34 | <10 |
| CC41702 | | 0.12 | 2.1 | 2.27 | 62 | <10 | 150 | 0.8 | 6 | 0.25 | 2.3 | 8 | 34 | 102 | 2.82 | 10 |
| CC41703 | | 0.10 | 0.8 | 1.68 | 42 | <10 | 150 | <0.5 | 6 | 0.26 | 0.8 | 9 | 34 | 59 | 2.50 | <10 |
| CC41704 | | 0.08 | 0.9 | 0.46 | 10 | <10 | 90 | <0.5 | <2 | 0.21 | 0.7 | 2 | 9 | 25 | 0.60 | <10 |
| CC41705 | | 0.24 | 1.5 | 2.21 | 79 | <10 | 170 | 0.8 | 10 | 0.25 | 1.2 | 28 | 38 | 126 | 3.63 | 10 |
| CC41706 | | 0.06 | 2.2 | 1.28 | 18 | <10 | 190 | 0.7 | 2 | 0.37 | 1.5 | 6 | 15 | 102 | 1.60 | <10 |
| CC41707 | | 0.08 | 1.5 | 1.82 | 35 | <10 | 150 | 0.5 | 3 | 0.15 | 0.7 | 13 | 29 | 73 | 2.30 | <10 |
| CC41708 | | 0.20 | 2.7 | 1.62 | 31 | <10 | 80 | 0.5 | 20 | 0.23 | 0.5 | 5 | 27 | 269 | 2.18 | 10 |
| CC41709 | | 0.10 | 0.5 | 1.39 | 7 | <10 | 130 | 0.5 | <2 | 0.27 | 0.6 | 10 | 23 | 48 | 2.22 | <10 |
| CC41710 | | 0.10 | 1.5 | 2.32 | 5 | <10 | 310 | 0.7 | <2 | 0.31 | 0.6 | 23 | 46 | 24 | 3.48 | 10 |
| CC41711 | | 0.10 | 0.4 | 1.98 | 5 | <10 | 330 | 0.6 | <2 | 0.51 | <0.5 | 9 | 38 | 23 | 2.79 | 10 |
| CC41712 | | 0.12 | 0.5 | 1.18 | 5 | <10 | 250 | <0.5 | <2 | 0.30 | 0.7 | 5 | 21 | 21 | 1.65 | <10 |
| CC41713 | | 0.08 | 0.6 | 0.49 | 2 | <10 | 50 | <0.5 | <2 | 0.08 | 0.7 | 2 | 8 | 11 | 0.76 | <10 |
| CC41714 | | 0.12 | <0.2 | 0.85 | 7 | <10 | 40 | <0.5 | <2 | 0.07 | <0.5 | 4 | 11 | 15 | 1.48 | <10 |
| CC41715 | | 0.10 | 0.6 | 0.31 | 3 | <10 | 100 | <0.5 | <2 | 0.30 | 0.6 | 2 | 6 | 11 | 0.43 | <10 |
| CC41716 | | 0.08 | 1.3 | 0.59 | <2 | <10 | 110 | <0.5 | <2 | 0.18 | 1.2 | 4 | 8 | 18 | 0.78 | <10 |
| CC41717 | | 0.08 | 1.1 | 0.26 | 2 | <10 | 90 | <0.5 | <2 | 0.21 | <0.5 | 1 | 4 | 10 | 0.36 | <10 |
| CC41718 | | 0.14 | 0.6 | 1.41 | 32 | <10 | 100 | <0.5 | 2 | 0.12 | <0.5 | 5 | 21 | 42 | 3.10 | 10 |
| CC41719 | | 0.22 | 4.4 | 1.89 | 458 | <10 | 80 | 1.0 | 7 | 0.22 | <0.5 | 8 | 25 | 257 | 3.06 | 10 |

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## CERTIFICATE OF ANALYSIS VA07107505

| 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 |
| CC41670 | | <1 | 0.20 | 30 | 0.99 | 736 | 3 | 0.01 | 34 | 500 | 799 | 0.11 | 22 | 3 | 38 | <20 |
| CC41671 | | <1 | 0.18 | 30 | 0.89 | 672 | 3 | 0.01 | 28 | 470 | 689 | 0.10 | 17 | 3 | 33 | <20 |
| CC41672 | | <1 | 0.44 | 20 | 1.44 | 460 | 3 | 0.01 | 34 | 660 | 104 | 0.08 | 2 | 6 | 36 | <20 |
| CC41673 | | <1 | 0.18 | 20 | 0.88 | 390 | 3 | 0.01 | 25 | 590 | 139 | 0.06 | 6 | 4 | 28 | <20 |
| CC41674 | | <1 | 0.24 | 20 | 0.85 | 469 | 3 | 0.01 | 24 | 710 | 75 | 0.05 | <2 | 4 | 34 | <20 |
| CC41675 | | 1 | 0.22 | 20 | 0.88 | 286 | 2 | <0.01 | 22 | 640 | 134 | 0.03 | 3 | 4 | 29 | <20 |
| CC41676 | | <1 | 0.07 | 10 | 0.49 | 314 | 3 | 0.01 | 16 | 680 | 55 | 0.06 | <2 | 1 | 19 | <20 |
| CC41677 | | <1 | 0.18 | 20 | 0.80 | 337 | 3 | 0.01 | 21 | 380 | 50 | 0.04 | <2 | 4 | 27 | <20 |
| CC41678 | | 1 | 0.35 | 20 | 1.41 | 500 | 3 | 0.01 | 35 | 570 | 49 | 0.04 | <2 | 6 | 26 | <20 |
| CC41679 | | <1 | 0.10 | 20 | 0.65 | 466 | 4 | <0.01 | 15 | 610 | 71 | 0.06 | <2 | 2 | 15 | <20 |
| CC41690 | | 1 | 0.04 | 10 | 0.04 | 32 | 1 | 0.01 | 3 | 910 | 18 | 0.07 | <2 | <1 | 11 | <20 |
| CC41691 | | <1 | 0.09 | 20 | 0.39 | 252 | 2 | <0.01 | 13 | 350 | 75 | 0.05 | 3 | 2 | 15 | <20 |
| CC41692 | | <1 | 0.08 | 20 | 0.52 | 418 | 2 | 0.01 | 21 | 270 | 38 | 0.02 | <2 | 3 | 15 | <20 |
| CC41693 | | <1 | 0.06 | 10 | 0.07 | 266 | 1 | 0.01 | 5 | 690 | 42 | 0.05 | <2 | <1 | 17 | <20 |
| CC41694 | | 1 | 0.15 | 10 | 0.91 | 310 | 4 | 0.01 | 55 | 480 | 98 | 0.06 | 2 | 5 | 35 | <20 |
| CC41695 | | 2 | 0.25 | 20 | 1.12 | 256 | 3 | 0.01 | 49 | 390 | 99 | 0.03 | <2 | 4 | 50 | <20 |
| CC41696 | | <1 | 0.14 | 50 | 0.55 | 421 | 3 | 0.01 | 13 | 560 | 267 | 0.14 | 2 | 2 | 28 | <20 |
| CC41697 | | 1 | 0.08 | 30 | 0.43 | 181 | 3 | 0.02 | 13 | 680 | 277 | 0.12 | <2 | 1 | 25 | <20 |
| CC41698 | | <1 | 0.34 | 30 | 0.51 | 248 | 6 | 0.02 | 11 | 560 | 2490 | 0.55 | 473 | 2 | 20 | 20 |
| CC41699 | | <1 | 0.10 | 20 | 0.11 | 69 | 2 | 0.01 | 4 | 780 | 213 | 0.17 | 4 | <1 | 15 | <20 |
| CC41700 | | <1 | 0.17 | 40 | 0.80 | 244 | 4 | 0.01 | 22 | 820 | 283 | 0.09 | 17 | 4 | 39 | <20 |
| CC41701 | | <1 | 0.08 | 10 | 0.22 | 109 | 2 | 0.01 | 6 | 690 | 59 | 0.09 | <2 | 1 | 19 | <20 |
| CC41702 | | <1 | 0.20 | 30 | 0.83 | 246 | 3 | 0.02 | 19 | 810 | 73 | 0.10 | 2 | 3 | 32 | <20 |
| CC41703 | | <1 | 0.16 | 10 | 0.69 | 255 | 2 | 0.01 | 18 | 680 | 45 | 0.07 | <2 | 3 | 26 | <20 |
| CC41704 | | <1 | 0.05 | 10 | 0.09 | 95 | 1 | 0.02 | 6 | 1150 | 14 | 0.11 | <2 | 1 | 22 | <20 |
| CC41705 | | <1 | 0.20 | 20 | 0.77 | 1385 | 7 | 0.02 | 24 | 780 | 85 | 0.11 | 2 | 4 | 35 | <20 |
| CC41706 | | <1 | 0.07 | 40 | 0.24 | 125 | 2 | 0.02 | 14 | 1230 | 38 | 0.15 | <2 | 1 | 44 | <20 |
| CC41707 | | <1 | 0.08 | 20 | 0.51 | 423 | 2 | 0.02 | 17 | 750 | 52 | 0.07 | 2 | 3 | 23 | <20 |
| CC41708 | | 1 | 0.08 | 20 | 0.44 | 272 | 2 | 0.01 | 15 | 590 | 43 | 0.04 | 2 | 2 | 18 | <20 |
| CC41709 | | <1 | 0.12 | 30 | 0.55 | 586 | 2 | 0.01 | 13 | 630 | 54 | 0.06 | <2 | 2 | 22 | <20 |
| CC41710 | | 1 | 0.12 | 50 | 0.74 | 3810 | 2 | 0.01 | 24 | 830 | 50 | 0.07 | <2 | 4 | 23 | <20 |
| CC41711 | | 1 | 0.08 | 40 | 0.71 | 680 | 2 | 0.01 | 22 | 680 | 24 | 0.05 | <2 | 3 | 29 | <20 |
| CC41712 | | <1 | 0.07 | 40 | 0.33 | 343 | 2 | 0.02 | 14 | 690 | 23 | 0.06 | <2 | 2 | 25 | <20 |
| CC41713 | | <1 | 0.05 | 10 | 0.07 | 83 | 1 | 0.01 | 4 | 810 | 11 | 0.06 | <2 | <1 | 10 | <20 |
| CC41714 | | <1 | 0.03 | 10 | 0.10 | 101 | 3 | 0.01 | 8 | 260 | 20 | 0.03 | 2 | 1 | 9 | <20 |
| CC41715 | | <1 | 0.04 | 10 | 0.04 | 99 | 1 | 0.01 | 5 | 680 | 9 | 0.07 | 2 | <1 | 27 | <20 |
| CC41716 | | <1 | 0.05 | 50 | 0.06 | 58 | 1 | <0.01 | 7 | 880 | 26 | 0.10 | <2 | <1 | 19 | <20 |
| CC41717 | | 1 | 0.07 | 10 | 0.06 | 71 | 1 | 0.01 | 4 | 950 | 6 | 0.10 | <2 | <1 | 17 | <20 |
| CC41718 | | <1 | 0.16 | 20 | 0.35 | 322 | 2 | 0.01 | 14 | 600 | 274 | 0.23 | 3 | 2 | 15 | <20 |
| CC41719 | | 1 | 0.09 | 30 | 0.54 | 353 | 3 | <0.01 | 21 | 490 | 2550 | 0.09 | 5 | 3 | 18 | <20 |

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## CERTIFICATE OF ANALYSIS VA07107505

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC41670 | | 0.09 | <10 | <10 | 50 | 10 | 480 |
| CC41671 | | 0.09 | <10 | <10 | 48 | <10 | 413 |
| CC41672 | | 0.13 | <10 | <10 | 71 | 10 | 241 |
| CC41673 | | 0.10 | <10 | <10 | 56 | <10 | 217 |
| CC41674 | | 0.10 | <10 | <10 | 63 | <10 | 217 |
| CC41675 | | 0.10 | <10 | <10 | 57 | <10 | 156 |
| CC41676 | | 0.05 | <10 | <10 | 40 | <10 | 61 |
| CC41677 | | 0.11 | <10 | <10 | 68 | <10 | 88 |
| CC41678 | | 0.13 | 10 | <10 | 79 | 10 | 148 |
| CC41679 | | 0.07 | <10 | <10 | 75 | <10 | 84 |
| CC41690 | | 0.02 | <10 | <10 | 14 | <10 | 12 |
| CC41691 | | 0.06 | <10 | <10 | 51 | <10 | 74 |
| CC41692 | | 0.07 | <10 | <10 | 49 | <10 | 87 |
| CC41693 | | 0.02 | <10 | <10 | 30 | <10 | 54 |
| CC41694 | | 0.10 | <10 | <10 | 87 | <10 | 75 |
| CC41695 | | 0.08 | <10 | <10 | 61 | <10 | 93 |
| CC41696 | | 0.06 | <10 | <10 | 33 | <10 | 145 |
| CC41697 | | 0.04 | <10 | <10 | 35 | <10 | 97 |
| CC41698 | | 0.06 | <10 | <10 | 35 | 10 | 143 |
| CC41699 | | 0.03 | <10 | <10 | 25 | <10 | 35 |
| CC41700 | | 0.08 | <10 | <10 | 53 | <10 | 209 |
| CC41701 | | 0.05 | <10 | <10 | 33 | <10 | 51 |
| CC41702 | | 0.08 | <10 | <10 | 56 | <10 | 146 |
| CC41703 | | 0.08 | <10 | <10 | 50 | 10 | 89 |
| CC41704 | | 0.02 | <10 | <10 | 13 | <10 | 24 |
| CC41705 | | 0.08 | <10 | <10 | 57 | <10 | 161 |
| CC41706 | | 0.03 | <10 | <10 | 20 | <10 | 62 |
| CC41707 | | 0.06 | <10 | <10 | 42 | <10 | 79 |
| CC41708 | | 0.05 | <10 | <10 | 43 | <10 | 69 |
| CC41709 | | 0.05 | <10 | <10 | 34 | <10 | 121 |
| CC41710 | | 0.07 | <10 | <10 | 62 | <10 | 130 |
| CC41711 | | 0.07 | <10 | <10 | 63 | <10 | 80 |
| CC41712 | | 0.05 | <10 | <10 | 41 | <10 | 54 |
| CC41713 | | 0.01 | <10 | <10 | 18 | <10 | 22 |
| CC41714 | | 0.05 | <10 | <10 | 39 | <10 | 29 |
| CC41715 | | 0.02 | <10 | <10 | 12 | <10 | 21 |
| CC41716 | | 0.02 | <10 | <10 | 15 | <10 | 25 |
| CC41717 | | 0.01 | <10 | <10 | 9 | <10 | 20 |
| CC41718 | | 0.08 | <10 | <10 | 56 | <10 | 66 |
| CC41719 | | 0.08 | <10 | <10 | 52 | <10 | 152 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 |
| CC41720 | | 0.16 | 0.4 | 1.03 | 30 | <10 | 70 | <0.5 | 2 | 0.07 | <0.5 | 2 | 14 | 26 | 1.90 | 10 |
| CC41721 | | 0.20 | 1.2 | 2.92 | 183 | <10 | 250 | 1.2 | 2 | 0.38 | <0.5 | 9 | 50 | 48 | 2.77 | 10 |
| CC41722 | | 0.12 | 0.3 | 0.47 | 5 | <10 | 50 | <0.5 | <2 | 0.07 | <0.5 | 1 | 6 | 8 | 0.59 | <10 |
| CC41723 | | 0.12 | 1.5 | 1.04 | 30 | <10 | 110 | 1.1 | <2 | 0.24 | <0.5 | 2 | 10 | 24 | 1.44 | <10 |
| CC41724 | | 0.08 | 1.0 | 0.51 | 23 | <10 | 100 | <0.5 | <2 | 0.15 | <0.5 | 1 | 6 | 15 | 0.74 | <10 |
| CC41725 | | 0.24 | 0.5 | 1.93 | 63 | <10 | 90 | 0.7 | 2 | 0.11 | <0.5 | 3 | 21 | 22 | 3.00 | 10 |
| CC41726 | | 0.10 | 0.9 | 1.45 | 103 | <10 | 70 | 0.5 | <2 | 0.10 | <0.5 | 2 | 18 | 32 | 2.29 | 10 |
| CC41727 | | 0.22 | 3.1 | 1.68 | 675 | <10 | 90 | 1.2 | 19 | 0.24 | 0.8 | 6 | 16 | 268 | 2.57 | 10 |
| CC41728 | | 0.12 | 0.5 | 1.21 | 110 | <10 | 120 | <0.5 | <2 | 0.13 | <0.5 | 3 | 17 | 19 | 1.94 | 10 |
| CC41729 | | 0.26 | 0.7 | 1.66 | 311 | <10 | 110 | 0.5 | 2 | 0.11 | <0.5 | 4 | 15 | 78 | 3.13 | 10 |
| CC41730 | | 0.18 | 0.9 | 1.56 | 122 | <10 | 100 | 0.7 | 2 | 0.18 | 1.8 | 6 | 24 | 146 | 1.96 | 10 |
| CC41731 | | 0.16 | 1.0 | 2.06 | 213 | <10 | 110 | 0.7 | 2 | 0.17 | 0.5 | 7 | 36 | 81 | 2.92 | 10 |
| CC41732 | | 0.14 | 1.7 | 0.53 | 15 | <10 | 50 | <0.5 | <2 | 0.09 | <0.5 | 2 | 8 | 12 | 0.92 | <10 |
| CC41733 | | 0.12 | 1.0 | 0.39 | 57 | <10 | 60 | <0.5 | 2 | 0.17 | 1.4 | 1 | 11 | 15 | 0.73 | <10 |
| CC41734 | | 0.08 | 0.9 | 0.89 | 22 | <10 | 90 | <0.5 | 2 | 0.14 | 0.8 | 3 | 18 | 24 | 1.49 | 10 |
| CC41735 | | 0.18 | 1.0 | 3.00 | 54 | <10 | 190 | 1.0 | 6 | 0.37 | 1.0 | 13 | 62 | 147 | 3.23 | 10 |
| CC41736 | | 0.22 | 0.7 | 2.00 | 112 | <10 | 130 | 0.8 | 4 | 0.33 | 1.0 | 12 | 49 | 120 | 2.91 | 10 |
| CC41737 | | 0.12 | 2.3 | 2.50 | 79 | <10 | 200 | 0.9 | 7 | 0.33 | 6.1 | 12 | 44 | 136 | 3.22 | 10 |
| CC41738 | | 0.14 | 1.6 | 1.79 | 65 | <10 | 130 | 0.6 | 3 | 0.19 | 1.4 | 37 | 28 | 74 | 2.68 | 10 |
| CC41739 | | 0.10 | 3.0 | 0.73 | 5 | <10 | 50 | <0.5 | 7 | 0.07 | <0.5 | 2 | 13 | 38 | 1.09 | <10 |
| CC41740 | | 0.08 | 1.6 | 0.65 | 8 | <10 | 170 | 0.5 | <2 | 0.38 | 1.5 | 7 | 9 | 71 | 0.76 | <10 |
| CC41741 | | 0.28 | 0.6 | 1.47 | 41 | <10 | 100 | <0.5 | 8 | 0.12 | <0.5 | 3 | 22 | 65 | 1.98 | 10 |
| CC41742 | | 0.14 | 0.6 | 1.85 | 7 | <10 | 180 | 0.9 | <2 | 0.24 | <0.5 | 11 | 23 | 26 | 2.14 | 10 |
| CC41743 | | 0.30 | 0.2 | 1.71 | 6 | <10 | 100 | 0.5 | <2 | 0.16 | <0.5 | 5 | 23 | 16 | 2.28 | 10 |
| CC41744 | | 0.18 | 0.4 | 1.44 | 6 | <10 | 160 | 0.5 | <2 | 0.24 | 0.5 | 4 | 20 | 15 | 2.04 | 10 |
| CC41745 | | 0.16 | 0.3 | 1.92 | 14 | <10 | 200 | 0.6 | <2 | 0.30 | <0.5 | 6 | 30 | 21 | 2.60 | 10 |
| CC41746 | | 0.16 | 0.4 | 1.04 | 8 | <10 | 120 | <0.5 | <2 | 0.22 | <0.5 | 4 | 13 | 13 | 1.65 | <10 |
| CC41747 | | 0.14 | 0.8 | 1.11 | 9 | <10 | 160 | 0.6 | <2 | 0.45 | <0.5 | 3 | 12 | 17 | 1.46 | <10 |
| CC41748 | | 0.12 | 0.7 | 0.99 | 111 | <10 | 80 | <0.5 | 4 | 0.15 | <0.5 | 3 | 14 | 31 | 1.55 | 10 |
| CC41749 | | 0.12 | 0.6 | 1.05 | 52 | <10 | 100 | 0.7 | 2 | 0.21 | 0.6 | 2 | 7 | 27 | 1.16 | <10 |
| CC41750 | | 0.14 | 0.8 | 1.26 | 127 | <10 | 80 | 0.5 | 2 | 0.13 | <0.5 | 2 | 14 | 28 | 2.18 | 10 |
| CC41751 | | 0.18 | 0.6 | 1.46 | 296 | <10 | 70 | 0.6 | 4 | 0.12 | <0.5 | 4 | 18 | 32 | 2.60 | 10 |
| CC41752 | | 0.24 | 2.7 | 1.86 | 1050 | <10 | 120 | 1.0 | 8 | 0.13 | 0.8 | 4 | 17 | 149 | 2.75 | 10 |
| CC41753 | | 0.18 | <0.2 | 3.09 | 54 | <10 | 660 | 1.2 | <2 | 0.51 | <0.5 | 10 | 57 | 26 | 2.75 | 10 |
| CC41754 | | 0.26 | 0.2 | 2.66 | 40 | <10 | 210 | 0.7 | <2 | 0.22 | <0.5 | 10 | 44 | 36 | 2.85 | 10 |
| CC41755 | | 0.24 | 0.4 | 2.31 | 91 | <10 | 170 | 1.0 | 4 | 0.20 | <0.5 | 6 | 38 | 45 | 2.65 | 10 |
| CC41756 | | 0.16 | 0.3 | 0.83 | 60 | <10 | 80 | <0.5 | <2 | 0.17 | <0.5 | 2 | 13 | 17 | 1.13 | <10 |
| CC41757 | | 0.08 | 0.5 | 0.99 | 93 | <10 | 100 | 0.5 | 2 | 0.20 | 0.5 | 4 | 14 | 50 | 1.43 | <10 |
| CC41758 | | 0.14 | 1.2 | 1.09 | 124 | <10 | 90 | 0.7 | 6 | 0.16 | 1.1 | 3 | 10 | 45 | 1.38 | <10 |
| CC41759 | | 0.06 | 2.4 | 2.18 | 263 | <10 | 200 | 1.6 | 11 | 0.29 | 1.9 | 4 | 24 | 110 | 2.54 | 10 |

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Finalized Date: 29-OCT-2007
Account: RCM

Project: CONNAUGHT GRID A AND B

## CERTIFICATE OF ANALYSIS VA07107505

| 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 |
| CC41720 | | <1 | 0.06 | 10 | 0.13 | 96 | 1 | <0.01 | 7 | 330 | 62 | 0.07 | 2 | 1 | 10 | <20 |
| CC41721 | | <1 | 0.22 | 20 | 1.08 | 354 | 2 | <0.01 | 42 | 470 | 117 | 0.05 | 5 | 4 | 86 | <20 |
| CC41722 | | <1 | 0.03 | 10 | 0.04 | 29 | <1 | 0.01 | 3 | 490 | 9 | 0.04 | 2 | <1 | 11 | <20 |
| CC41723 | | 1 | 0.07 | 50 | 0.17 | 80 | 1 | 0.01 | 8 | 1000 | 21 | 0.11 | <2 | 1 | 31 | <20 |
| CC41724 | | <1 | 0.05 | 10 | 0.06 | 67 | 1 | 0.01 | 3 | 660 | 24 | 0.07 | <2 | <1 | 21 | <20 |
| CC41725 | | <1 | 0.05 | 10 | 0.28 | 175 | 1 | <0.01 | 10 | 330 | 34 | 0.03 | 3 | 2 | 17 | <20 |
| CC41726 | | <1 | 0.05 | 10 | 0.25 | 132 | 1 | <0.01 | 9 | 400 | 39 | 0.04 | 2 | 2 | 16 | <20 |
| CC41727 | | <1 | 0.16 | 30 | 0.65 | 296 | 1 | <0.01 | 13 | 410 | 139 | 0.07 | 4 | 2 | 43 | <20 |
| CC41728 | | <1 | 0.04 | 10 | 0.17 | 171 | 1 | <0.01 | 10 | 560 | 52 | 0.06 | 4 | 1 | 17 | <20 |
| CC41729 | | <1 | 0.36 | 40 | 0.77 | 305 | 3 | 0.02 | 11 | 560 | 202 | 0.40 | <2 | 2 | 19 | 20 |
| CC41730 | | <1 | 0.08 | 20 | 0.38 | 132 | 1 | 0.02 | 13 | 670 | 98 | 0.12 | 2 | 1 | 47 | <20 |
| CC41731 | | <1 | 0.12 | 20 | 0.60 | 249 | 2 | <0.01 | 19 | 590 | 121 | 0.07 | 3 | 3 | 26 | <20 |
| CC41732 | | <1 | 0.04 | 10 | 0.07 | 55 | 1 | 0.02 | 4 | 610 | 22 | 0.07 | <2 | <1 | 12 | <20 |
| CC41733 | | <1 | 0.05 | 10 | 0.09 | 57 | 1 | 0.01 | 5 | 750 | 58 | 0.10 | 8 | 1 | 21 | <20 |
| CC41734 | | <1 | 0.08 | 10 | 0.25 | 122 | 1 | 0.01 | 9 | 660 | 22 | 0.08 | 5 | 1 | 22 | <20 |
| CC41735 | | <1 | 0.35 | 20 | 1.22 | 335 | 1 | 0.02 | 38 | 770 | 61 | 0.08 | 3 | 6 | 48 | <20 |
| CC41736 | | <1 | 0.28 | 20 | 0.90 | 387 | 1 | <0.01 | 29 | 670 | 76 | 0.06 | 3 | 4 | 36 | <20 |
| CC41737 | | <1 | 0.20 | 30 | 0.73 | 489 | 2 | 0.02 | 27 | 1080 | 201 | 0.15 | 6 | 4 | 46 | <20 |
| CC41738 | | <1 | 0.08 | 10 | 0.48 | 1745 | 2 | 0.01 | 16 | 1150 | 256 | 0.13 | 3 | 1 | 25 | <20 |
| CC41739 | | 1 | 0.06 | 10 | 0.11 | 74 | 1 | 0.01 | 5 | 700 | 23 | 0.09 | <2 | 1 | 14 | <20 |
| CC41740 | | <1 | 0.06 | 30 | 0.10 | 82 | 1 | 0.01 | 9 | 1510 | 23 | 0.17 | 2 | 1 | 47 | <20 |
| CC41741 | | <1 | 0.08 | 30 | 0.43 | 178 | 2 | <0.01 | 10 | 350 | 36 | 0.03 | <2 | 2 | 13 | <20 |
| CC41742 | | <1 | 0.08 | 80 | 0.40 | 800 | 2 | 0.01 | 15 | 710 | 31 | 0.07 | <2 | 2 | 28 | <20 |
| CC41743 | | <1 | 0.09 | 40 | 0.52 | 316 | 1 | <0.01 | 14 | 440 | 26 | 0.03 | 3 | 3 | 15 | <20 |
| CC41744 | | <1 | 0.09 | 50 | 0.44 | 258 | 1 | 0.01 | 12 | 580 | 26 | 0.06 | <2 | 2 | 24 | <20 |
| CC41745 | | <1 | 0.09 | 40 | 0.61 | 367 | 1 | 0.01 | 21 | 570 | 37 | 0.05 | 2 | 4 | 22 | <20 |
| CC41746 | | 1 | 0.08 | 50 | 0.33 | 195 | 1 | 0.01 | 10 | 420 | 21 | 0.04 | 2 | 2 | 17 | <20 |
| CC41747 | | <1 | 0.07 | 110 | 0.23 | 239 | 1 | 0.01 | 9 | 910 | 30 | 0.10 | <2 | 1 | 30 | <20 |
| CC41748 | | 1 | 0.07 | 20 | 0.28 | 128 | 1 | <0.01 | 9 | 390 | 41 | 0.05 | 2 | 1 | 25 | <20 |
| CC41749 | | <1 | 0.12 | 20 | 0.37 | 153 | 1 | <0.01 | 5 | 530 | 35 | 0.05 | 2 | 1 | 81 | <20 |
| CC41750 | | <1 | 0.07 | 10 | 0.31 | 218 | <1 | 0.01 | 10 | 270 | 50 | 0.03 | <2 | 2 | 19 | <20 |
| CC41751 | | <1 | 0.09 | 20 | 0.36 | 335 | <1 | 0.02 | 10 | 400 | 63 | 0.05 | 3 | 2 | 16 | <20 |
| CC41752 | | <1 | 0.11 | 30 | 0.44 | 244 | <1 | 0.02 | 12 | 260 | 132 | 0.08 | 3 | 2 | 31 | <20 |
| CC41753 | | <1 | 0.38 | 20 | 1.47 | 309 | <1 | 0.02 | 33 | 540 | 11 | 0.05 | <2 | 5 | 59 | <20 |
| CC41754 | | 1 | 0.14 | 10 | 0.81 | 275 | <1 | 0.02 | 36 | 380 | 16 | 0.03 | <2 | 5 | 24 | <20 |
| CC41755 | | <1 | 0.12 | 20 | 0.84 | 278 | <1 | 0.02 | 26 | 330 | 73 | 0.04 | <2 | 3 | 50 | <20 |
| CC41756 | | <1 | 0.05 | 10 | 0.19 | 95 | <1 | 0.03 | 9 | 590 | 36 | 0.10 | <2 | 1 | 21 | <20 |
| CC41757 | | <1 | 0.07 | 20 | 0.29 | 206 | <1 | 0.03 | 10 | 790 | 88 | 0.11 | <2 | 1 | 28 | <20 |
| CC41758 | | <1 | 0.10 | 20 | 0.45 | 227 | <1 | 0.03 | 8 | 540 | 131 | 0.06 | <2 | 1 | 37 | <20 |
| CC41759 | | 1 | 0.18 | 40 | 0.76 | 279 | 2 | 0.03 | 22 | 650 | 322 | 0.16 | <2 | 2 | 52 | <20 |

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Finalized Date: 29-OCT-2007
Account: RCM

Project: CONNAUGHT GRID A AND B

# CERTIFICATE OF ANALYSIS VA07107505

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC41720 | | 0.06 | <10 | <10 | 49 | <10 | 36 |
| CC41721 | | 0.07 | <10 | <10 | 65 | <10 | 115 |
| CC41722 | | 0.02 | <10 | <10 | 15 | <10 | 16 |
| CC41723 | | 0.03 | <10 | <10 | 24 | <10 | 40 |
| CC41724 | | 0.02 | <10 | <10 | 18 | <10 | 27 |
| CC41725 | | 0.07 | <10 | <10 | 63 | <10 | 52 |
| CC41726 | | 0.06 | <10 | <10 | 46 | <10 | 49 |
| CC41727 | | 0.07 | <10 | <10 | 35 | <10 | 119 |
| CC41728 | | 0.05 | <10 | <10 | 48 | <10 | 68 |
| CC41729 | | 0.07 | <10 | <10 | 33 | 10 | 74 |
| CC41730 | | 0.06 | <10 | <10 | 37 | <10 | 96 |
| CC41731 | | 0.10 | <10 | <10 | 56 | <10 | 125 |
| CC41732 | | 0.03 | <10 | <10 | 23 | <10 | 23 |
| CC41733 | | 0.03 | <10 | <10 | 19 | <10 | 63 |
| CC41734 | | 0.06 | <10 | <10 | 36 | 10 | 59 |
| CC41735 | | 0.14 | <10 | <10 | 72 | <10 | 185 |
| CC41736 | | 0.12 | <10 | <10 | 59 | <10 | 195 |
| CC41737 | | 0.09 | <10 | <10 | 59 | <10 | 278 |
| CC41738 | | 0.05 | <10 | <10 | 50 | <10 | 99 |
| CC41739 | | 0.04 | <10 | <10 | 22 | <10 | 23 |
| CC41740 | | 0.02 | <10 | <10 | 9 | <10 | 40 |
| CC41741 | | 0.06 | <10 | <10 | 40 | <10 | 68 |
| CC41742 | | 0.05 | <10 | <10 | 41 | <10 | 91 |
| CC41743 | | 0.07 | <10 | <10 | 43 | <10 | 81 |
| CC41744 | | 0.06 | <10 | <10 | 40 | <10 | 79 |
| CC41745 | | 0.07 | <10 | <10 | 53 | <10 | 86 |
| CC41746 | | 0.06 | <10 | <10 | 34 | <10 | 46 |
| CC41747 | | 0.03 | <10 | <10 | 27 | <10 | 46 |
| CC41748 | | 0.05 | <10 | <10 | 33 | <10 | 46 |
| CC41749 | | 0.04 | <10 | <10 | 19 | <10 | 43 |
| CC41750 | | 0.05 | <10 | <10 | 40 | <10 | 53 |
| CC41751 | | 0.06 | <10 | <10 | 43 | <10 | 77 |
| CC41752 | | 0.06 | <10 | <10 | 37 | <10 | 87 |
| CC41753 | | 0.10 | 10 | <10 | 69 | <10 | 105 |
| CC41754 | | 0.10 | <10 | <10 | 66 | <10 | 66 |
| CC41755 | | 0.08 | <10 | <10 | 52 | <10 | 78 |
| CC41756 | | 0.03 | <10 | <10 | 25 | <10 | 42 |
| CC41757 | | 0.04 | <10 | <10 | 28 | <10 | 72 |
| CC41758 | | 0.04 | <10 | <10 | 24 | <10 | 112 |
| CC41759 | | 0.06 | 10 | <10 | 36 | <10 | 228 |

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VANCOUVER BC V6B 1L8


Finalized Date: 29-OCT-2007
Account: RCM

Project: CONNAUGHT GRID A AND B

## CERTIFICATE OF ANALYSIS VA07107505

| Sample Description | Method / Analyte / Units / LOR | WEI-21 Recvd Wt. kg 0.02 | ME-ICP41 Ag ppm 0.2 | ME-ICP41 Al % 0.01 | ME-ICP41 As ppm 2 | ME-ICP41 B ppm 10 | ME-ICP41 Ba ppm 10 | ME-ICP41 Be ppm 0.5 | ME-ICP41 Bi ppm 2 | ME-ICP41 Ca % 0.01 | ME-ICP41 Cd ppm 0.5 | ME-ICP41 Co ppm 1 | ME-ICP41 Cr ppm 1 | ME-ICP41 Cu ppm 1 | ME-ICP41 Fe % 0.01 | ME-ICP41 Ga ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CC41760 | | 0.10 | 3.4 | 1.56 | 243 | <10 | 160 | 0.7 | 14 | 0.15 | 1.8 | 7 | 15 | 144 | 2.27 | 10 |
| CC41761 | | 0.12 | 4.0 | 1.26 | 267 | <10 | 150 | 0.6 | 7 | 0.25 | 2.5 | 7 | 23 | 113 | 1.79 | 10 |
| CC41762 | | 0.12 | 3.3 | 1.97 | 199 | <10 | 170 | 0.7 | 17 | 0.31 | 2.4 | 6 | 40 | 120 | 2.61 | 10 |
| CC41763 | | 0.20 | 2.4 | 2.49 | 284 | <10 | 170 | 0.9 | 9 | 0.25 | 1.2 | 22 | 40 | 105 | 3.43 | 10 |
| CC41764 | | 0.18 | 2.5 | 2.50 | 155 | <10 | 200 | 0.9 | 12 | 0.32 | 1.6 | 43 | 54 | 108 | 3.47 | 10 |
| CC41765 | | 0.20 | 1.8 | 2.32 | 67 | <10 | 200 | 1.0 | 10 | 0.41 | 2.0 | 20 | 38 | 130 | 2.69 | 10 |
| CC41766 | | 0.36 | 0.5 | 1.93 | 118 | <10 | 150 | 0.8 | 26 | 0.27 | 0.9 | 11 | 41 | 133 | 3.18 | 10 |
| CC41767 | | 0.26 | 1.1 | 2.16 | 122 | <10 | 180 | 0.8 | 17 | 0.30 | 0.9 | 14 | 38 | 116 | 2.96 | 10 |
| CC41768 | | 0.18 | 0.7 | 2.09 | 56 | <10 | 230 | 0.6 | 6 | 0.24 | 0.5 | 9 | 34 | 61 | 2.68 | 10 |
| CC41769 | | 0.24 | 0.9 | 2.49 | 56 | <10 | 160 | 0.7 | 5 | 0.25 | 0.8 | 13 | 43 | 122 | 3.13 | 10 |
| CC41770 | | 0.24 | 1.1 | 1.97 | 39 | <10 | 130 | 0.6 | 10 | 0.18 | <0.5 | 23 | 33 | 121 | 2.84 | 10 |
| CC41771 | | 0.18 | 0.6 | 1.89 | 8 | <10 | 280 | 0.6 | <2 | 0.41 | <0.5 | 6 | 32 | 28 | 2.55 | 10 |
| CC41772 | | 0.16 | 0.3 | 0.44 | 5 | <10 | 50 | <0.5 | <2 | 0.04 | <0.5 | <1 | 5 | 6 | 0.57 | <10 |
| CC41773 | | 0.22 | 0.4 | 0.33 | <2 | <10 | 30 | <0.5 | <2 | 0.05 | <0.5 | <1 | 7 | 5 | 0.53 | <10 |
| CC41774 | | 0.20 | 0.3 | 0.30 | <2 | <10 | 30 | <0.5 | <2 | 0.04 | <0.5 | 1 | 6 | 6 | 0.53 | <10 |
| CC41775 | | 0.22 | 0.7 | 2.14 | 11 | <10 | 90 | 0.5 | <2 | 0.11 | <0.5 | 5 | 29 | 20 | 3.39 | 10 |
| CC41776 | | 0.20 | 0.2 | 1.91 | 6 | <10 | 110 | <0.5 | <2 | 0.11 | <0.5 | 5 | 21 | 16 | 2.53 | 10 |
| CC41777 | | 0.16 | 0.5 | 2.20 | 9 | <10 | 200 | <0.5 | <2 | 0.16 | 0.5 | 5 | 21 | 17 | 3.08 | 10 |
| CC41778 | | 0.18 | 0.4 | 1.72 | 10 | <10 | 100 | <0.5 | <2 | 0.09 | 0.5 | 4 | 20 | 22 | 2.77 | 10 |
| CC41779 | | 0.22 | 0.3 | 1.58 | 36 | <10 | 80 | 1.0 | 3 | 0.15 | <0.5 | 3 | 15 | 31 | 2.27 | 10 |

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Project: CONNAUGHT GRID A AND B

## CERTIFICATE OF ANALYSIS VA07107505

| 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 |
| CC41760 | | <1 | 0.35 | 20 | 0.71 | 336 | 2 | 0.03 | 10 | 780 | 309 | 0.17 | 5 | 2 | 30 | <20 |
| CC41761 | | 1 | 0.16 | 30 | 0.44 | 304 | 2 | 0.03 | 11 | 880 | 321 | 0.14 | 4 | 2 | 42 | <20 |
| CC41762 | | <1 | 0.21 | 20 | 0.77 | 229 | 1 | 0.03 | 21 | 730 | 277 | 0.11 | 3 | 4 | 48 | <20 |
| CC41763 | | <1 | 0.18 | 30 | 0.91 | 778 | 2 | 0.03 | 23 | 850 | 189 | 0.10 | <2 | 4 | 37 | <20 |
| CC41764 | | 1 | 0.26 | 30 | 1.02 | 1640 | 2 | 0.03 | 30 | 780 | 178 | 0.10 | 3 | 5 | 42 | <20 |
| CC41765 | | 1 | 0.18 | 30 | 0.77 | 821 | 1 | 0.03 | 30 | 900 | 91 | 0.12 | 2 | 4 | 44 | <20 |
| CC41766 | | 1 | 0.25 | 20 | 0.83 | 417 | 1 | 0.03 | 34 | 730 | 105 | 0.08 | <2 | 5 | 34 | <20 |
| CC41767 | | <1 | 0.22 | 20 | 0.81 | 369 | 1 | 0.02 | 30 | 820 | 98 | 0.06 | 4 | 5 | 33 | <20 |
| CC41768 | | <1 | 0.10 | 20 | 0.68 | 366 | <1 | 0.02 | 23 | 600 | 60 | 0.05 | <2 | 4 | 27 | <20 |
| CC41769 | | <1 | 0.17 | 20 | 0.94 | 311 | <1 | 0.02 | 31 | 630 | 59 | 0.04 | 2 | 5 | 30 | <20 |
| CC41770 | | 1 | 0.11 | 20 | 0.66 | 1920 | 1 | 0.02 | 19 | 610 | 65 | 0.06 | <2 | 3 | 21 | <20 |
| CC41771 | | <1 | 0.10 | 40 | 0.57 | 319 | <1 | 0.03 | 24 | 540 | 26 | 0.04 | <2 | 3 | 24 | <20 |
| CC41772 | | <1 | 0.03 | 10 | 0.05 | 30 | <1 | 0.03 | 3 | 230 | 9 | 0.02 | <2 | <1 | 8 | <20 |
| CC41773 | | <1 | 0.03 | <10 | 0.03 | 24 | <1 | 0.03 | 4 | 280 | 6 | 0.03 | <2 | <1 | 9 | <20 |
| CC41774 | | <1 | 0.03 | <10 | 0.02 | 26 | <1 | 0.03 | 4 | 280 | 5 | 0.03 | <2 | <1 | 8 | <20 |
| CC41775 | | <1 | 0.05 | 10 | 0.32 | 189 | 1 | 0.02 | 17 | 350 | 86 | 0.03 | <2 | 3 | 13 | <20 |
| CC41776 | | <1 | 0.04 | 10 | 0.24 | 155 | <1 | 0.02 | 13 | 270 | 15 | 0.03 | <2 | 2 | 13 | <20 |
| CC41777 | | <1 | 0.04 | 30 | 0.30 | 181 | <1 | 0.02 | 14 | 420 | 36 | 0.04 | <2 | 2 | 18 | <20 |
| CC41778 | | <1 | 0.05 | 20 | 0.25 | 278 | <1 | 0.02 | 13 | 360 | 39 | 0.03 | <2 | 2 | 10 | <20 |
| CC41779 | | <1 | 0.10 | 20 | 0.59 | 258 | <1 | 0.02 | 10 | 240 | 33 | 0.03 | <2 | 2 | 25 | <20 |

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8


Finalized Date: 29-OCT-2007
Account: RCM

Project: CONNAUGHT GRID A AND B

# CERTIFICATE OF ANALYSIS VA07107505

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC41760 | | 0.06 | 10 | <10 | 38 | 10 | 140 |
| CC41761 | | 0.05 | <10 | <10 | 34 | <10 | 129 |
| CC41762 | | 0.09 | 10 | <10 | 54 | 10 | 137 |
| CC41763 | | 0.09 | 10 | <10 | 62 | <10 | 152 |
| CC41764 | | 0.10 | <10 | <10 | 66 | <10 | 151 |
| CC41765 | | 0.08 | <10 | <10 | 48 | <10 | 134 |
| CC41766 | | 0.11 | <10 | <10 | 53 | 30 | 134 |
| CC41767 | | 0.11 | <10 | <10 | 54 | 10 | 148 |
| CC41768 | | 0.09 | <10 | <10 | 53 | <10 | 104 |
| CC41769 | | 0.11 | <10 | <10 | 57 | <10 | 137 |
| CC41770 | | 0.07 | <10 | <10 | 54 | <10 | 100 |
| CC41771 | | 0.07 | <10 | <10 | 52 | <10 | 70 |
| CC41772 | | 0.03 | <10 | <10 | 15 | <10 | 15 |
| CC41773 | | 0.02 | 10 | <10 | 15 | <10 | 12 |
| CC41774 | | 0.02 | 10 | <10 | 14 | <10 | 16 |
| CC41775 | | 0.09 | <10 | <10 | 75 | <10 | 49 |
| CC41776 | | 0.06 | <10 | <10 | 57 | <10 | 37 |
| CC41777 | | 0.08 | <10 | <10 | 54 | <10 | 61 |
| CC41778 | | 0.07 | <10 | <10 | 60 | <10 | 79 |
| CC41779 | | 0.07 | <10 | <10 | 35 | <10 | 61 |

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Finalized !


17-OCT-2007
Account: RCM

# CERTIFICATE VA07107504

Project: CONNAUGHT GRID A AND B

P.O. No.:

This report is for 94 Soil samples submitted to our lab in Vancouver, BC, Canada on 4-SEP-2007.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| AL ARCHER<br>BILL WENGZYNOWSKI | DOUG EATON | JOAN MARIACHER |

## 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 |
|---|---|---|
| ME-ICP41 | 35 Element Aqua Regia ICP-AES | ICP-AES |

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

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

**Signature:** Lawrence Ng

Lawrence Ng, Laboratory Manager - Vancouver

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Finalized Date: 17-OCT-2007
Account: RCM

Project: CONNAUGHT GRID A AND B

## CERTIFICATE OF ANALYSIS VA07107504

| 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 |
| CC32869 | | 0.16 | 0.2 | 1.57 | 31 | <10 | 180 | 0.5 | 2 | 0.17 | 0.5 | 7 | 27 | 11 | 2.67 | 10 |
| CC32870 | | 0.34 | 0.3 | 1.53 | 41 | <10 | 290 | 0.6 | <2 | 0.21 | 0.6 | 10 | 24 | 11 | 2.50 | 10 |
| CC32871 | | 0.24 | 0.4 | 1.26 | 41 | <10 | 170 | <0.5 | <2 | 0.20 | 0.9 | 8 | 24 | 11 | 2.41 | 10 |
| CC32872 | | 0.18 | 0.2 | 1.33 | 28 | <10 | 250 | 0.7 | 2 | 0.21 | 1.3 | 8 | 21 | 15 | 2.06 | 10 |
| CC32873 | | 0.24 | 0.2 | 1.30 | 27 | <10 | 240 | <0.5 | <2 | 0.18 | <0.5 | 6 | 19 | 10 | 1.84 | 10 |
| CC32874 | | 0.26 | 0.4 | 1.52 | 29 | <10 | 230 | <0.5 | 2 | 0.18 | 0.6 | 6 | 22 | 9 | 1.94 | 10 |
| CC32875 | | 0.16 | <0.2 | 1.12 | 4 | <10 | 70 | <0.5 | <2 | 0.05 | 1.3 | 2 | 13 | 8 | 1.36 | 10 |
| CC32876 | | 0.32 | <0.2 | 1.52 | 10 | <10 | 160 | 0.6 | 2 | 0.21 | <0.5 | 6 | 23 | 13 | 2.77 | 10 |
| CC32877 | | 0.16 | 0.2 | 2.72 | 16 | <10 | 250 | 1.1 | <2 | 0.22 | 0.5 | 9 | 35 | 24 | 3.80 | 10 |
| CC32878 | | 0.22 | 0.2 | 2.14 | 13 | <10 | 200 | 0.6 | 2 | 0.22 | <0.5 | 6 | 29 | 15 | 3.13 | 10 |
| CC32879 | | 0.18 | 0.3 | 1.54 | 9 | <10 | 120 | 0.5 | <2 | 0.12 | <0.5 | 5 | 21 | 13 | 2.49 | 10 |
| CC32880 | | 0.16 | <0.2 | 0.51 | 2 | <10 | 40 | <0.5 | <2 | 0.06 | <0.5 | 1 | 5 | 5 | 0.61 | <10 |
| CC32881 | | 0.22 | 0.2 | 1.61 | 11 | <10 | 100 | <0.5 | <2 | 0.17 | <0.5 | 6 | 26 | 13 | 2.72 | 10 |
| CC32882 | | 0.24 | 0.4 | 1.07 | 6 | <10 | 80 | 0.5 | 2 | 0.10 | 0.8 | 4 | 17 | 14 | 1.71 | <10 |
| CC32883 | | 0.30 | 0.3 | 1.86 | 13 | <10 | 90 | 0.5 | 3 | 0.12 | <0.5 | 6 | 32 | 16 | 3.39 | 10 |
| CC32884 | | 0.20 | <0.2 | 1.17 | 10 | <10 | 80 | 0.6 | <2 | 0.12 | <0.5 | 5 | 17 | 12 | 2.22 | 10 |
| CC32885 | | 0.30 | 0.5 | 1.19 | 20 | <10 | 80 | 0.5 | 4 | 0.11 | 0.5 | 4 | 16 | 13 | 2.03 | 10 |
| CC32886 | | 0.14 | 0.2 | 1.82 | 117 | <10 | 150 | 0.9 | 3 | 0.16 | 0.7 | 7 | 26 | 19 | 3.30 | 10 |
| CC32887 | | 0.34 | 24.5 | 1.05 | 1920 | <10 | 110 | 1.8 | 4 | 0.11 | 6.3 | 18 | 6 | 216 | 5.17 | <10 |
| CC32888 | | 0.18 | 7.2 | 2.61 | 350 | <10 | 150 | 0.9 | 4 | 0.18 | 0.7 | 4 | 27 | 24 | 3.78 | 10 |
| CC32889 | | 0.26 | 1.0 | 1.57 | 199 | <10 | 100 | 0.7 | 3 | 0.18 | <0.5 | 5 | 23 | 14 | 3.03 | 10 |
| CC32890 | | 0.46 | 0.7 | 1.80 | 112 | <10 | 120 | 0.9 | 3 | 0.18 | 0.5 | 7 | 27 | 16 | 3.40 | 10 |
| CC32891 | | 0.40 | 0.7 | 1.86 | 47 | <10 | 90 | 0.5 | 5 | 0.20 | <0.5 | 6 | 29 | 11 | 2.94 | 10 |
| CC32892 | | 0.12 | 0.7 | 1.24 | 26 | <10 | 90 | <0.5 | 2 | 0.20 | <0.5 | 3 | 21 | 7 | 1.63 | 10 |
| CC32893 | | 0.26 | 0.8 | 1.44 | 7 | <10 | 100 | <0.5 | <2 | 0.18 | <0.5 | 7 | 17 | 21 | 2.32 | 10 |
| CC32894 | | 0.38 | 0.4 | 1.48 | 5 | <10 | 90 | 0.6 | <2 | 0.25 | <0.5 | 3 | 15 | 12 | 1.78 | 10 |
| CC32895 | | 0.24 | 0.8 | 0.99 | <2 | <10 | 110 | <0.5 | <2 | 0.21 | 0.5 | 2 | 14 | 18 | 1.27 | <10 |
| CC32896 | | 0.34 | <0.2 | 1.57 | 5 | <10 | 100 | 0.5 | <2 | 0.15 | <0.5 | 6 | 20 | 18 | 2.39 | <10 |
| CC32897 | | 0.30 | 0.2 | 1.65 | 4 | <10 | 100 | 0.5 | <2 | 0.09 | <0.5 | 3 | 15 | 17 | 1.78 | 10 |
| CC32898 | | 0.26 | 0.3 | 1.91 | 7 | <10 | 120 | 0.6 | <2 | 0.22 | <0.5 | 5 | 23 | 19 | 2.73 | 10 |
| CC32899 | | 0.34 | <0.2 | 1.96 | 8 | <10 | 170 | 0.6 | <2 | 0.57 | <0.5 | 8 | 23 | 17 | 2.59 | 10 |
| CC32900 | | 0.24 | 0.2 | 1.16 | 14 | <10 | 160 | <0.5 | 2 | 0.18 | 0.6 | 5 | 21 | 9 | 1.96 | 10 |
| CC32901 | | 0.12 | 0.4 | 0.82 | 6 | <10 | 190 | 0.6 | <2 | 0.14 | 1.0 | 2 | 17 | 10 | 1.06 | <10 |
| CC32902 | | 0.18 | <0.2 | 1.54 | 27 | <10 | 90 | <0.5 | <2 | 0.12 | <0.5 | 5 | 23 | 9 | 3.06 | 10 |
| CC32903 | | 0.24 | 0.2 | 1.61 | 27 | <10 | 190 | 0.6 | 2 | 0.17 | <0.5 | 9 | 24 | 11 | 2.50 | 10 |
| CC32904 | | 0.22 | 0.2 | 1.57 | 23 | <10 | 240 | 0.5 | <2 | 0.17 | <0.5 | 8 | 22 | 10 | 2.19 | 10 |
| CC32905 | | 0.22 | 0.4 | 1.18 | 67 | <10 | 160 | 0.6 | 2 | 0.19 | 0.9 | 10 | 16 | 15 | 2.28 | <10 |
| CC32906 | | 0.22 | 0.3 | 0.97 | 5 | <10 | 100 | <0.5 | 2 | 0.08 | <0.5 | 3 | 12 | 10 | 1.38 | <10 |
| CC32907 | | 0.28 | 0.2 | 1.45 | 7 | <10 | 100 | <0.5 | 2 | 0.07 | <0.5 | 4 | 16 | 12 | 2.12 | 10 |
| CC32908 | | 0.14 | 0.2 | 1.56 | <2 | <10 | 70 | 0.6 | <2 | 0.07 | 0.5 | 6 | 12 | 10 | 1.58 | <10 |

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VANCOUVER BC V6B 1L8



Project: CONNAUGHT GRID A AND B

## CERTIFICATE OF ANALYSIS VA07107504

| 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 |
| CC32869 | | <1 | 0.08 | 30 | 0.42 | 338 | 1 | 0.01 | 14 | 520 | 55 | 0.03 | <2 | 3 | 16 | <20 |
| CC32870 | | <1 | 0.07 | 40 | 0.40 | 680 | 1 | 0.01 | 13 | 660 | 116 | 0.03 | <2 | 3 | 18 | <20 |
| CC32871 | | <1 | 0.08 | 20 | 0.37 | 638 | 1 | 0.02 | 15 | 600 | 107 | 0.03 | <2 | 2 | 16 | <20 |
| CC32872 | | 1 | 0.07 | 60 | 0.33 | 758 | 1 | 0.02 | 13 | 660 | 66 | 0.05 | <2 | 2 | 20 | <20 |
| CC32873 | | <1 | 0.06 | 30 | 0.32 | 278 | 1 | 0.02 | 11 | 580 | 53 | 0.04 | <2 | 2 | 17 | <20 |
| CC32874 | | <1 | 0.06 | 30 | 0.40 | 315 | 1 | 0.02 | 13 | 510 | 50 | 0.03 | <2 | 3 | 17 | <20 |
| CC32875 | | <1 | 0.07 | 20 | 0.11 | 167 | 1 | 0.02 | 7 | 280 | 9 | 0.02 | <2 | 1 | 10 | <20 |
| CC32876 | | <1 | 0.16 | 30 | 0.41 | 246 | 1 | 0.01 | 15 | 380 | 9 | 0.01 | <2 | 4 | 19 | <20 |
| CC32877 | | <1 | 0.16 | 60 | 0.46 | 385 | 2 | 0.02 | 22 | 530 | 14 | 0.03 | <2 | 4 | 27 | <20 |
| CC32878 | | <1 | 0.13 | 40 | 0.46 | 248 | 1 | 0.02 | 18 | 360 | 10 | 0.02 | <2 | 4 | 23 | <20 |
| CC32879 | | <1 | 0.08 | 20 | 0.30 | 285 | 1 | 0.02 | 13 | 370 | 14 | 0.02 | <2 | 3 | 12 | <20 |
| CC32880 | | <1 | 0.03 | <10 | 0.04 | 41 | <1 | 0.02 | 3 | 260 | 5 | 0.02 | <2 | <1 | 11 | <20 |
| CC32881 | | <1 | 0.09 | 20 | 0.45 | 272 | 2 | 0.01 | 17 | 440 | 18 | 0.01 | <2 | 3 | 15 | <20 |
| CC32882 | | <1 | 0.06 | 30 | 0.22 | 171 | 1 | 0.02 | 10 | 310 | 9 | 0.02 | <2 | 3 | 15 | <20 |
| CC32883 | | <1 | 0.11 | 20 | 0.41 | 244 | 2 | 0.02 | 17 | 420 | 21 | 0.03 | <2 | 3 | 13 | <20 |
| CC32884 | | <1 | 0.09 | 60 | 0.24 | 239 | 1 | 0.01 | 11 | 500 | 14 | 0.03 | <2 | 2 | 14 | <20 |
| CC32885 | | <1 | 0.07 | 40 | 0.17 | 152 | 2 | 0.01 | 9 | 570 | 14 | 0.04 | <2 | 2 | 14 | <20 |
| CC32886 | | <1 | 0.16 | 60 | 0.31 | 407 | 2 | 0.02 | 15 | 780 | 23 | 0.06 | <2 | 3 | 21 | <20 |
| CC32887 | | 1 | 0.17 | 100 | 0.08 | 5610 | 6 | 0.01 | 5 | 830 | 6600 | 0.22 | 131 | 3 | 20 | 50 |
| CC32888 | | <1 | 0.18 | 70 | 0.34 | 207 | 3 | 0.02 | 14 | 1000 | 896 | 0.09 | 14 | 5 | 22 | <20 |
| CC32889 | | <1 | 0.19 | 60 | 0.36 | 304 | 2 | 0.02 | 10 | 550 | 290 | 0.07 | 6 | 3 | 18 | <20 |
| CC32890 | | 1 | 0.16 | 70 | 0.46 | 336 | 2 | 0.02 | 13 | 540 | 189 | 0.03 | 3 | 4 | 18 | 20 |
| CC32891 | | <1 | 0.16 | 40 | 0.52 | 184 | 2 | 0.02 | 14 | 500 | 144 | 0.02 | 2 | 4 | 17 | <20 |
| CC32892 | | <1 | 0.07 | 20 | 0.29 | 108 | 1 | 0.02 | 11 | 470 | 73 | 0.05 | <2 | 2 | 20 | <20 |
| CC32893 | | <1 | 0.15 | 30 | 0.63 | 471 | 2 | 0.02 | 10 | 670 | 61 | 0.05 | <2 | 1 | 19 | <20 |
| CC32894 | | <1 | 0.12 | 40 | 0.48 | 218 | 1 | 0.02 | 8 | 290 | 59 | 0.02 | <2 | 2 | 16 | <20 |
| CC32895 | | <1 | 0.06 | 20 | 0.15 | 165 | 1 | 0.02 | 8 | 890 | 32 | 0.08 | <2 | 1 | 19 | <20 |
| CC32896 | | <1 | 0.09 | 20 | 0.55 | 533 | 2 | 0.01 | 12 | 210 | 25 | 0.01 | 2 | 2 | 13 | <20 |
| CC32897 | | <1 | 0.08 | 30 | 0.36 | 215 | 1 | 0.02 | 11 | 270 | 24 | 0.02 | <2 | 2 | 10 | <20 |
| CC32898 | | <1 | 0.20 | 40 | 0.72 | 497 | 2 | 0.02 | 15 | 360 | 37 | 0.02 | <2 | 3 | 19 | <20 |
| CC32899 | | <1 | 0.12 | 20 | 0.88 | 426 | 1 | 0.02 | 15 | 380 | 22 | 0.02 | <2 | 3 | 29 | <20 |
| CC32900 | | <1 | 0.07 | 30 | 0.29 | 222 | 1 | 0.02 | 12 | 580 | 30 | 0.05 | <2 | 2 | 19 | <20 |
| CC32901 | | 1 | 0.04 | 60 | 0.10 | 108 | 1 | 0.02 | 8 | 950 | 25 | 0.08 | <2 | 1 | 17 | <20 |
| CC32902 | | <1 | 0.07 | 20 | 0.34 | 438 | 2 | 0.01 | 12 | 380 | 58 | 0.02 | <2 | 3 | 12 | <20 |
| CC32903 | | <1 | 0.06 | 30 | 0.40 | 664 | 1 | 0.02 | 13 | 610 | 56 | 0.04 | <2 | 3 | 16 | <20 |
| CC32904 | | <1 | 0.06 | 40 | 0.40 | 611 | 1 | 0.02 | 14 | 530 | 51 | 0.03 | <2 | 3 | 16 | <20 |
| CC32905 | | <1 | 0.12 | 40 | 0.33 | 1800 | 1 | 0.01 | 12 | 840 | 110 | 0.04 | 2 | 2 | 14 | <20 |
| CC32906 | | <1 | 0.07 | 40 | 0.14 | 113 | 1 | 0.02 | 7 | 270 | 13 | 0.02 | <2 | 2 | 13 | <20 |
| CC32907 | | <1 | 0.09 | 20 | 0.25 | 132 | 1 | 0.02 | 10 | 180 | 9 | 0.01 | <2 | 3 | 10 | <20 |
| CC32908 | | <1 | 0.05 | 20 | 0.09 | 271 | 1 | 0.03 | 5 | 330 | 5 | 0.02 | <2 | 2 | 10 | <20 |

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Finalized Date: 17-OCT-2007
Account: RCM

Project: CONNAUGHT GRID A AND B

# CERTIFICATE OF ANALYSIS VA07107504

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC32869 | | 0.07 | <10 | <10 | 55 | <10 | 87 |
| CC32870 | | 0.06 | <10 | <10 | 48 | <10 | 108 |
| CC32871 | | 0.07 | <10 | <10 | 47 | <10 | 122 |
| CC32872 | | 0.06 | <10 | <10 | 40 | <10 | 95 |
| CC32873 | | 0.05 | <10 | <10 | 36 | <10 | 84 |
| CC32874 | | 0.06 | <10 | <10 | 37 | <10 | 100 |
| CC32875 | | 0.05 | <10 | <10 | 25 | <10 | 26 |
| CC32876 | | 0.11 | <10 | <10 | 47 | <10 | 53 |
| CC32877 | | 0.09 | <10 | <10 | 71 | <10 | 71 |
| CC32878 | | 0.10 | <10 | <10 | 60 | <10 | 57 |
| CC32879 | | 0.08 | <10 | <10 | 56 | <10 | 43 |
| CC32880 | | 0.03 | <10 | <10 | 15 | <10 | 9 |
| CC32881 | | 0.09 | <10 | <10 | 56 | <10 | 59 |
| CC32882 | | 0.06 | <10 | <10 | 34 | <10 | 49 |
| CC32883 | | 0.08 | <10 | <10 | 65 | <10 | 54 |
| CC32884 | | 0.06 | <10 | <10 | 38 | <10 | 37 |
| CC32885 | | 0.04 | <10 | <10 | 35 | <10 | 47 |
| CC32886 | | 0.05 | <10 | <10 | 50 | <10 | 87 |
| CC32887 | | 0.01 | <10 | <10 | 9 | <10 | 332 |
| CC32888 | | 0.03 | <10 | <10 | 45 | <10 | 137 |
| CC32889 | | 0.06 | <10 | <10 | 51 | <10 | 108 |
| CC32890 | | 0.08 | <10 | <10 | 46 | <10 | 133 |
| CC32891 | | 0.10 | <10 | <10 | 47 | <10 | 108 |
| CC32892 | | 0.05 | <10 | <10 | 23 | <10 | 56 |
| CC32893 | | 0.06 | <10 | <10 | 43 | <10 | 81 |
| CC32894 | | 0.06 | <10 | <10 | 27 | <10 | 87 |
| CC32895 | | 0.03 | <10 | <10 | 14 | <10 | 50 |
| CC32896 | | 0.07 | <10 | <10 | 34 | <10 | 147 |
| CC32897 | | 0.06 | <10 | <10 | 30 | <10 | 59 |
| CC32898 | | 0.08 | <10 | <10 | 42 | <10 | 88 |
| CC32899 | | 0.09 | <10 | <10 | 48 | <10 | 74 |
| CC32900 | | 0.07 | <10 | <10 | 44 | <10 | 57 |
| CC32901 | | 0.03 | <10 | <10 | 20 | <10 | 26 |
| CC32902 | | 0.09 | <10 | <10 | 69 | <10 | 76 |
| CC32903 | | 0.06 | <10 | <10 | 50 | <10 | 72 |
| CC32904 | | 0.06 | <10 | <10 | 42 | <10 | 76 |
| CC32905 | | 0.06 | <10 | <10 | 35 | <10 | 73 |
| CC32906 | | 0.06 | <10 | <10 | 29 | <10 | 27 |
| CC32907 | | 0.09 | <10 | <10 | 44 | <10 | 35 |
| CC32908 | | 0.05 | <10 | <10 | 31 | <10 | 22 |

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Finalized Date: 17-OCT-2007
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## CERTIFICATE OF ANALYSIS VA07107504

| 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 |
| CC32909 | | 0.14 | 0.2 | 0.45 | <2 | <10 | 50 | <0.5 | <2 | 0.04 | <0.5 | 1 | 10 | 6 | 0.70 | <10 |
| CC32910 | | 0.26 | <0.2 | 1.97 | 16 | <10 | 120 | 0.6 | <2 | 0.15 | <0.5 | 8 | 32 | 15 | 3.57 | 10 |
| CC32911 | | 0.18 | <0.2 | 1.00 | 8 | <10 | 80 | <0.5 | <2 | 0.09 | <0.5 | 4 | 15 | 8 | 1.94 | <10 |
| CC32912 | | 0.26 | <0.2 | 1.87 | 15 | <10 | 150 | 0.9 | <2 | 0.22 | <0.5 | 7 | 27 | 18 | 3.02 | 10 |
| CC32913 | | 0.14 | 0.3 | 0.72 | 3 | <10 | 110 | <0.5 | 2 | 0.10 | 0.7 | 3 | 13 | 13 | 1.12 | <10 |
| CC32914 | | 0.28 | <0.2 | 1.89 | 9 | <10 | 120 | 0.5 | 2 | 0.21 | <0.5 | 7 | 30 | 15 | 3.05 | 10 |
| CC32915 | | 0.26 | <0.2 | 1.82 | 17 | <10 | 100 | 0.5 | <2 | 0.13 | <0.5 | 6 | 24 | 13 | 2.79 | 10 |
| CC32916 | | 0.24 | <0.2 | 1.09 | 12 | <10 | 60 | 0.5 | 5 | 0.10 | <0.5 | 4 | 14 | 9 | 2.23 | <10 |
| CC32917 | | 0.28 | <0.2 | 1.47 | 13 | <10 | 100 | 0.9 | <2 | 0.18 | <0.5 | 7 | 20 | 15 | 2.88 | 10 |
| CC32918 | | 0.26 | 1.7 | 0.99 | 137 | <10 | 120 | 1.3 | 2 | 0.20 | <0.5 | 3 | 12 | 31 | 4.02 | <10 |
| CC32919 | | 0.18 | 0.4 | 1.79 | 36 | <10 | 150 | 0.9 | 2 | 0.24 | <0.5 | 8 | 27 | 20 | 2.99 | 10 |
| CC32920 | | 0.10 | 0.6 | 1.59 | 24 | <10 | 140 | 0.5 | 2 | 0.21 | <0.5 | 4 | 22 | 12 | 2.19 | 10 |
| CC32921 | | 0.14 | 0.6 | 1.37 | 55 | <10 | 100 | <0.5 | 2 | 0.16 | <0.5 | 8 | 20 | 9 | 2.40 | 10 |
| CC32922 | | 0.12 | 3.3 | 1.80 | 85 | <10 | 140 | 0.5 | 2 | 0.23 | <0.5 | 4 | 25 | 15 | 2.29 | 10 |
| CC32923 | | 0.32 | 1.7 | 1.35 | 76 | <10 | 80 | <0.5 | 2 | 0.16 | <0.5 | 3 | 20 | 10 | 2.07 | 10 |
| CC32924 | | 0.46 | 0.5 | 1.55 | 48 | <10 | 90 | <0.5 | <2 | 0.16 | <0.5 | 4 | 22 | 11 | 1.89 | 10 |
| CC32925 | | 0.32 | 0.2 | 1.35 | 5 | <10 | 100 | 0.5 | 2 | 0.16 | <0.5 | 3 | 13 | 12 | 1.46 | <10 |
| CC32926 | | 0.32 | 0.5 | 1.59 | 8 | <10 | 100 | <0.5 | <2 | 0.19 | <0.5 | 5 | 18 | 17 | 2.09 | 10 |
| CC32927 | | 0.18 | 0.2 | 1.44 | 4 | <10 | 90 | <0.5 | <2 | 0.12 | <0.5 | 3 | 17 | 16 | 1.75 | 10 |
| CC32928 | | 0.28 | 0.5 | 2.21 | 6 | <10 | 180 | 1.1 | <2 | 0.41 | <0.5 | 5 | 22 | 25 | 2.30 | 10 |
| CC32929 | | 0.26 | 0.2 | 1.90 | 6 | <10 | 110 | 0.6 | <2 | 0.21 | <0.5 | 5 | 18 | 20 | 2.46 | 10 |
| CC32960 | | 0.34 | 0.2 | 1.79 | 8 | <10 | 120 | 0.7 | <2 | 0.22 | <0.5 | 6 | 21 | 22 | 2.45 | 10 |
| CC32961 | | 0.28 | 0.2 | 1.42 | 4 | <10 | 140 | <0.5 | <2 | 0.28 | <0.5 | 3 | 14 | 13 | 1.74 | 10 |
| CC32962 | | 0.10 | 0.5 | 0.53 | 6 | <10 | 50 | <0.5 | <2 | 0.10 | <0.5 | 2 | 16 | 7 | 0.92 | <10 |
| CC32963 | | 0.20 | 0.2 | 1.64 | 26 | <10 | 120 | 0.7 | 4 | 0.20 | 0.5 | 8 | 23 | 12 | 2.89 | 10 |
| CC32964 | | 0.12 | 0.5 | 1.39 | 15 | <10 | 180 | 0.5 | <2 | 0.24 | 0.8 | 6 | 22 | 13 | 1.96 | <10 |
| CC32965 | | 0.10 | <0.2 | 0.47 | 13 | <10 | 90 | <0.5 | <2 | 0.14 | 0.5 | 1 | 9 | 6 | 0.77 | <10 |
| CC32966 | | 0.16 | 0.2 | 1.46 | 10 | <10 | 130 | 0.5 | <2 | 0.14 | 0.5 | 5 | 18 | 13 | 2.05 | 10 |
| CC32967 | | 0.12 | 0.2 | 0.86 | 4 | <10 | 130 | <0.5 | <2 | 0.15 | 0.8 | 3 | 12 | 8 | 1.19 | <10 |
| CC32968 | | 0.14 | 0.6 | 1.06 | 15 | <10 | 120 | 0.5 | 2 | 0.14 | <0.5 | 3 | 13 | 10 | 1.76 | 10 |
| CC32969 | | 0.12 | 0.6 | 0.89 | 5 | <10 | 80 | <0.5 | <2 | 0.14 | <0.5 | 2 | 11 | 8 | 1.28 | <10 |
| CC32970 | | 0.10 | 0.2 | 0.56 | 4 | <10 | 50 | <0.5 | 2 | 0.05 | <0.5 | 2 | 8 | 5 | 1.08 | <10 |
| CC32971 | | 0.14 | 0.2 | 1.17 | 6 | <10 | 90 | 0.5 | 2 | 0.14 | <0.5 | 4 | 17 | 13 | 2.20 | 10 |
| CC32972 | | 0.10 | 0.3 | 0.53 | 4 | <10 | 130 | <0.5 | <2 | 0.13 | 0.8 | 3 | 10 | 9 | 1.08 | <10 |
| CC32973 | | 0.22 | <0.2 | 1.74 | 13 | <10 | 130 | 0.5 | <2 | 0.11 | <0.5 | 7 | 24 | 15 | 2.68 | 10 |
| CC32974 | | 0.14 | 0.2 | 0.37 | <2 | <10 | 40 | <0.5 | <2 | 0.10 | 0.6 | 1 | 6 | 5 | 0.66 | <10 |
| CC32975 | | 0.12 | 0.2 | 0.52 | 2 | <10 | 50 | <0.5 | <2 | 0.10 | <0.5 | 2 | 7 | 7 | 1.03 | <10 |
| CC32976 | | 0.22 | <0.2 | 1.60 | 16 | <10 | 110 | 1.1 | 3 | 0.21 | <0.5 | 9 | 23 | 17 | 3.14 | 10 |
| CC32977 | | 0.10 | 0.2 | 0.74 | 4 | <10 | 50 | <0.5 | 2 | 0.15 | <0.5 | 2 | 10 | 9 | 1.26 | <10 |
| CC32978 | | 0.06 | 0.7 | 0.52 | 2 | <10 | 100 | <0.5 | <2 | 0.13 | 0.7 | 1 | 11 | 9 | 0.71 | <10 |

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Project: CONNAUGHT GRID A AND B


Finalized Date: 17-OCT-2007
Account: RCM

## CERTIFICATE OF ANALYSIS VA07107504

| 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 |
| CC32909 | | <1 | 0.04 | 10 | 0.04 | 50 | 1 | 0.02 | 5 | 480 | 7 | 0.02 | <2 | <1 | 8 | <20 |
| CC32910 | | <1 | 0.15 | 30 | 0.50 | 398 | 2 | 0.01 | 20 | 430 | 14 | 0.02 | <2 | 4 | 14 | <20 |
| CC32911 | | <1 | 0.08 | 10 | 0.23 | 197 | 1 | 0.02 | 10 | 360 | 8 | 0.02 | <2 | 2 | 10 | <20 |
| CC32912 | | <1 | 0.10 | 40 | 0.46 | 328 | 1 | 0.01 | 19 | 470 | 12 | 0.01 | <2 | 4 | 16 | <20 |
| CC32913 | | <1 | 0.05 | 50 | 0.09 | 71 | 1 | 0.02 | 8 | 550 | 15 | 0.05 | <2 | 1 | 14 | <20 |
| CC32914 | | <1 | 0.08 | 20 | 0.53 | 247 | 1 | 0.01 | 20 | 410 | 12 | 0.02 | <2 | 3 | 19 | <20 |
| CC32915 | | <1 | 0.09 | 30 | 0.35 | 228 | 1 | 0.01 | 12 | 310 | 36 | 0.01 | <2 | 3 | 13 | <20 |
| CC32916 | | <1 | 0.06 | 30 | 0.18 | 242 | 1 | 0.01 | 9 | 440 | 19 | 0.02 | <2 | 2 | 9 | <20 |
| CC32917 | | <1 | 0.10 | 40 | 0.33 | 373 | 2 | 0.01 | 12 | 560 | 37 | 0.02 | <2 | 3 | 15 | <20 |
| CC32918 | | <1 | 0.30 | 80 | 0.18 | 173 | 4 | 0.03 | 8 | 910 | 3870 | 0.55 | 6 | 3 | 18 | 30 |
| CC32919 | | <1 | 0.12 | 80 | 0.38 | 270 | 4 | 0.01 | 18 | 730 | 107 | 0.04 | 2 | 5 | 21 | <20 |
| CC32920 | | <1 | 0.08 | 50 | 0.29 | 135 | 2 | 0.02 | 13 | 680 | 100 | 0.06 | <2 | 3 | 20 | <20 |
| CC32921 | | <1 | 0.08 | 30 | 0.29 | 441 | 2 | 0.01 | 11 | 600 | 137 | 0.04 | <2 | 2 | 16 | <20 |
| CC32922 | | <1 | 0.10 | 50 | 0.30 | 153 | 2 | 0.02 | 13 | 900 | 511 | 0.07 | 7 | 3 | 24 | <20 |
| CC32923 | | <1 | 0.11 | 40 | 0.28 | 110 | 2 | 0.01 | 11 | 580 | 315 | 0.04 | 5 | 3 | 13 | <20 |
| CC32924 | | <1 | 0.10 | 30 | 0.36 | 114 | 1 | 0.02 | 11 | 370 | 112 | 0.02 | 3 | 3 | 14 | <20 |
| CC32925 | | <1 | 0.10 | 30 | 0.48 | 173 | 1 | 0.02 | 8 | 210 | 49 | 0.02 | <2 | 2 | 14 | <20 |
| CC32926 | | 1 | 0.10 | 30 | 0.47 | 342 | 2 | 0.02 | 10 | 390 | 61 | 0.02 | <2 | 2 | 16 | <20 |
| CC32927 | | <1 | 0.08 | 20 | 0.36 | 166 | 1 | 0.02 | 10 | 320 | 18 | 0.02 | <2 | 1 | 13 | <20 |
| CC32928 | | <1 | 0.12 | 40 | 0.67 | 843 | 1 | 0.02 | 14 | 660 | 29 | 0.05 | <2 | 4 | 31 | <20 |
| CC32929 | | <1 | 0.19 | 30 | 0.70 | 360 | 2 | 0.02 | 11 | 280 | 36 | 0.02 | <2 | 2 | 18 | <20 |
| CC32960 | | <1 | 0.18 | 50 | 0.78 | 290 | 1 | 0.01 | 13 | 240 | 36 | 0.01 | <2 | 4 | 16 | 20 |
| CC32961 | | <1 | 0.08 | 10 | 0.27 | 105 | 1 | 0.02 | 10 | 300 | 16 | 0.03 | <2 | 2 | 24 | <20 |
| CC32962 | | <1 | 0.06 | 10 | 0.08 | 88 | 2 | 0.02 | 10 | 790 | 15 | 0.07 | <2 | <1 | 11 | <20 |
| CC32963 | | <1 | 0.15 | 40 | 0.41 | 505 | 2 | 0.01 | 15 | 700 | 58 | 0.03 | <2 | 3 | 14 | <20 |
| CC32964 | | <1 | 0.07 | 40 | 0.31 | 293 | 1 | 0.02 | 15 | 920 | 34 | 0.08 | <2 | 2 | 24 | <20 |
| CC32965 | | <1 | 0.04 | 10 | 0.07 | 71 | 1 | 0.02 | 4 | 520 | 35 | 0.04 | <2 | <1 | 16 | <20 |
| CC32966 | | <1 | 0.11 | 40 | 0.24 | 188 | 1 | 0.02 | 12 | 380 | 15 | 0.03 | <2 | 2 | 16 | <20 |
| CC32967 | | <1 | 0.06 | 30 | 0.15 | 160 | 1 | 0.02 | 7 | 320 | 13 | 0.02 | <2 | 1 | 19 | <20 |
| CC32968 | | <1 | 0.07 | 50 | 0.17 | 136 | 2 | 0.02 | 8 | 450 | 15 | 0.04 | <2 | 2 | 19 | <20 |
| CC32969 | | 1 | 0.07 | 30 | 0.13 | 82 | 1 | 0.02 | 6 | 260 | 18 | 0.02 | <2 | 2 | 17 | <20 |
| CC32970 | | <1 | 0.05 | 20 | 0.09 | 113 | 1 | 0.02 | 6 | 220 | 6 | 0.02 | <2 | 1 | 7 | <20 |
| CC32971 | | <1 | 0.12 | 30 | 0.26 | 175 | 1 | 0.02 | 11 | 320 | 8 | 0.02 | <2 | 3 | 13 | <20 |
| CC32972 | | <1 | 0.05 | 10 | 0.07 | 102 | 1 | 0.02 | 7 | 560 | 7 | 0.05 | <2 | <1 | 19 | <20 |
| CC32973 | | <1 | 0.06 | 10 | 0.33 | 219 | 1 | 0.02 | 15 | 230 | 8 | 0.01 | <2 | 3 | 14 | <20 |
| CC32974 | | <1 | 0.03 | 10 | 0.04 | 54 | 1 | 0.02 | 5 | 430 | 2 | 0.04 | <2 | <1 | 14 | <20 |
| CC32975 | | <1 | 0.03 | 10 | 0.05 | 46 | 1 | 0.02 | 4 | 470 | 4 | 0.06 | <2 | <1 | 18 | <20 |
| CC32976 | | <1 | 0.12 | 40 | 0.43 | 622 | 2 | 0.02 | 18 | 560 | 31 | 0.01 | <2 | 4 | 17 | <20 |
| CC32977 | | <1 | 0.04 | 10 | 0.11 | 72 | 1 | 0.03 | 6 | 520 | 9 | 0.04 | <2 | <1 | 15 | <20 |
| CC32978 | | <1 | 0.04 | 10 | 0.05 | 28 | 1 | 0.02 | 7 | 800 | 5 | 0.09 | <2 | <1 | 20 | <20 |

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To: ATAC RESOURCES LTD.
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VANCOUVER BC V6B 1L8


Finalized Date: 17-OCT-2007
Account: RCM

Project: CONNAUGHT GRID A AND B

# CERTIFICATE OF ANALYSIS VA07107504

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC32909 | | 0.01 | <10 | <10 | 19 | <10 | 14 |
| CC32910 | | 0.10 | <10 | <10 | 65 | <10 | 61 |
| CC32911 | | 0.07 | <10 | <10 | 38 | <10 | 33 |
| CC32912 | | 0.09 | <10 | <10 | 54 | <10 | 57 |
| CC32913 | | 0.03 | <10 | <10 | 22 | <10 | 22 |
| CC32914 | | 0.07 | <10 | <10 | 54 | <10 | 62 |
| CC32915 | | 0.07 | <10 | <10 | 56 | <10 | 47 |
| CC32916 | | 0.04 | <10 | <10 | 37 | <10 | 39 |
| CC32917 | | 0.06 | <10 | <10 | 42 | <10 | 61 |
| CC32918 | | 0.03 | <10 | <10 | 26 | <10 | 121 |
| CC32919 | | 0.05 | <10 | <10 | 44 | <10 | 76 |
| CC32920 | | 0.04 | <10 | <10 | 30 | <10 | 59 |
| CC32921 | | 0.04 | <10 | <10 | 45 | <10 | 61 |
| CC32922 | | 0.03 | <10 | <10 | 31 | <10 | 81 |
| CC32923 | | 0.05 | <10 | <10 | 31 | <10 | 76 |
| CC32924 | | 0.07 | <10 | <10 | 36 | <10 | 67 |
| CC32925 | | 0.05 | <10 | <10 | 23 | <10 | 68 |
| CC32926 | | 0.06 | <10 | <10 | 35 | <10 | 108 |
| CC32927 | | 0.05 | <10 | <10 | 30 | <10 | 93 |
| CC32928 | | 0.06 | <10 | <10 | 33 | <10 | 93 |
| CC32929 | | 0.08 | <10 | <10 | 36 | <10 | 89 |
| CC32960 | | 0.10 | <10 | <10 | 39 | <10 | 84 |
| CC32961 | | 0.06 | <10 | <10 | 33 | <10 | 33 |
| CC32962 | | 0.03 | <10 | <10 | 22 | <10 | 21 |
| CC32963 | | 0.09 | <10 | <10 | 47 | <10 | 87 |
| CC32964 | | 0.05 | <10 | <10 | 36 | <10 | 57 |
| CC32965 | | 0.03 | <10 | <10 | 17 | <10 | 21 |
| CC32966 | | 0.06 | <10 | <10 | 41 | <10 | 41 |
| CC32967 | | 0.04 | <10 | <10 | 23 | <10 | 30 |
| CC32968 | | 0.05 | <10 | <10 | 37 | <10 | 35 |
| CC32969 | | 0.06 | <10 | <10 | 26 | <10 | 23 |
| CC32970 | | 0.05 | <10 | <10 | 26 | <10 | 21 |
| CC32971 | | 0.08 | <10 | <10 | 40 | <10 | 39 |
| CC32972 | | 0.04 | <10 | <10 | 27 | <10 | 25 |
| CC32973 | | 0.07 | <10 | <10 | 54 | <10 | 48 |
| CC32974 | | 0.02 | <10 | <10 | 15 | <10 | 12 |
| CC32975 | | 0.03 | <10 | <10 | 24 | <10 | 18 |
| CC32976 | | 0.09 | <10 | <10 | 51 | <10 | 84 |
| CC32977 | | 0.04 | <10 | <10 | 27 | <10 | 23 |
| CC32978 | | 0.02 | <10 | <10 | 14 | <10 | 15 |

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VANCOUVER BC V6B 1L8


Finalized Date: 17-OCT-2007
Account: RCM

Project: CONNAUGHT GRID A AND B

# CERTIFICATE OF ANALYSIS VA07107504

| Sample Description | Method / Analyte / Units / LOR | WEI-21 Recvd Wt. kg 0.02 | ME-ICP41 Ag ppm 0.2 | ME-ICP41 Al % 0.01 | ME-ICP41 As ppm 2 | ME-ICP41 B ppm 10 | ME-ICP41 Ba ppm 10 | ME-ICP41 Be ppm 0.5 | ME-ICP41 Bi ppm 2 | ME-ICP41 Ca % 0.01 | ME-ICP41 Cd ppm 0.5 | ME-ICP41 Co ppm 1 | ME-ICP41 Cr ppm 1 | ME-ICP41 Cu ppm 1 | ME-ICP41 Fe % 0.01 | ME-ICP41 Ga ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CC32979 | | 0.06 | 0.3 | 1.04 | 6 | <10 | 190 | 0.5 | 2 | 0.33 | <0.5 | 3 | 15 | 13 | 1.44 | <10 |
| CC32980 | | 0.06 | 0.2 | 1.11 | 6 | <10 | 120 | <0.5 | <2 | 0.12 | <0.5 | 3 | 18 | 12 | 1.60 | <10 |
| CC32981 | | 0.08 | 0.2 | 1.35 | 7 | <10 | 140 | <0.5 | 2 | 0.15 | <0.5 | 5 | 20 | 11 | 1.85 | 10 |
| CC32982 | | 0.20 | 0.2 | 0.95 | 21 | <10 | 70 | <0.5 | <2 | 0.12 | <0.5 | 3 | 15 | 8 | 1.70 | <10 |
| CC32983 | | 0.10 | 1.1 | 1.15 | 15 | <10 | 110 | <0.5 | <2 | 0.18 | <0.5 | 4 | 22 | 10 | 1.70 | <10 |
| CC32984 | | 0.16 | 1.4 | 1.33 | 15 | <10 | 120 | <0.5 | <2 | 0.20 | <0.5 | 5 | 24 | 10 | 2.14 | 10 |
| CC32985 | | 0.10 | 1.0 | 0.79 | 13 | <10 | 140 | <0.5 | 2 | 0.18 | 0.5 | 3 | 14 | 13 | 1.94 | <10 |
| CC32987 | | 0.12 | 0.9 | 1.17 | 15 | <10 | 100 | <0.5 | <2 | 0.16 | <0.5 | 3 | 19 | 10 | 1.89 | 10 |
| CC32988 | | 0.08 | 0.6 | 1.23 | 19 | <10 | 110 | <0.5 | <2 | 0.17 | <0.5 | 4 | 20 | 10 | 1.93 | <10 |
| CC32989 | | 0.18 | 0.4 | 0.91 | 16 | <10 | 60 | <0.5 | <2 | 0.18 | <0.5 | 4 | 11 | 8 | 1.64 | <10 |
| CC32990 | | 0.22 | 0.3 | 2.06 | 8 | <10 | 150 | 0.5 | <2 | 0.25 | <0.5 | 6 | 22 | 17 | 2.55 | 10 |
| CC32991 | | 0.22 | 0.2 | 1.57 | 4 | <10 | 110 | 0.5 | 2 | 0.23 | <0.5 | 5 | 20 | 18 | 2.09 | 10 |
| CC32992 | | 0.24 | 0.3 | 1.97 | 3 | <10 | 140 | 0.6 | 2 | 0.32 | <0.5 | 6 | 19 | 18 | 2.48 | 10 |
| CC32993 | | 0.26 | <0.2 | 1.66 | 6 | <10 | 110 | 0.5 | <2 | 0.25 | <0.5 | 7 | 21 | 13 | 2.35 | <10 |

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## CERTIFICATE OF ANALYSIS VA07107504

| 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 |
| CC32979 | | <1 | 0.05 | 50 | 0.17 | 102 | 1 | 0.03 | 11 | 710 | 20 | 0.08 | <2 | 2 | 33 | <20 |
| CC32980 | | <1 | 0.05 | 30 | 0.19 | 108 | 1 | 0.02 | 10 | 730 | 17 | 0.06 | <2 | 2 | 13 | <20 |
| CC32981 | | <1 | 0.06 | 20 | 0.30 | 141 | 1 | 0.02 | 12 | 450 | 16 | 0.04 | <2 | 2 | 16 | <20 |
| CC32982 | | 1 | 0.06 | 20 | 0.22 | 109 | 1 | 0.01 | 9 | 250 | 70 | 0.02 | 2 | 2 | 12 | <20 |
| CC32983 | | <1 | 0.06 | 20 | 0.27 | 129 | 1 | 0.02 | 13 | 660 | 190 | 0.05 | 2 | 2 | 17 | <20 |
| CC32984 | | <1 | 0.06 | 30 | 0.30 | 145 | 1 | 0.02 | 15 | 660 | 315 | 0.05 | 3 | 3 | 19 | <20 |
| CC32985 | | 1 | 0.04 | 30 | 0.12 | 132 | 2 | 0.02 | 9 | 1210 | 228 | 0.11 | 2 | 1 | 20 | <20 |
| CC32987 | | <1 | 0.05 | 20 | 0.27 | 117 | 1 | 0.02 | 11 | 640 | 139 | 0.06 | <2 | 2 | 16 | <20 |
| CC32988 | | <1 | 0.05 | 20 | 0.28 | 119 | 1 | 0.02 | 11 | 600 | 83 | 0.05 | <2 | 2 | 16 | <20 |
| CC32989 | | <1 | 0.07 | 30 | 0.32 | 268 | 1 | 0.01 | 6 | 380 | 75 | 0.02 | <2 | 1 | 13 | <20 |
| CC32990 | | <1 | 0.11 | 20 | 0.47 | 359 | 2 | 0.02 | 13 | 350 | 23 | 0.02 | <2 | 3 | 21 | <20 |
| CC32991 | | <1 | 0.10 | 30 | 0.58 | 334 | 1 | 0.02 | 12 | 320 | 25 | 0.01 | <2 | 3 | 18 | <20 |
| CC32992 | | <1 | 0.18 | 40 | 0.68 | 570 | 1 | 0.02 | 12 | 430 | 32 | 0.02 | <2 | 3 | 22 | <20 |
| CC32993 | | <1 | 0.11 | 30 | 0.74 | 329 | 1 | 0.02 | 14 | 240 | 26 | <0.01 | <2 | 3 | 16 | <20 |

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Finalized Date: 17-OCT-2007
Account: RCM

Project: CONNAUGHT GRID A AND B

## CERTIFICATE OF ANALYSIS VA07107504

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC32979 | | 0.04 | <10 | <10 | 23 | <10 | 32 |
| CC32980 | | 0.03 | <10 | <10 | 25 | <10 | 33 |
| CC32981 | | 0.05 | <10 | <10 | 32 | <10 | 49 |
| CC32982 | | 0.06 | <10 | <10 | 31 | <10 | 64 |
| CC32983 | | 0.04 | <10 | <10 | 25 | <10 | 55 |
| CC32984 | | 0.05 | <10 | <10 | 26 | <10 | 56 |
| CC32985 | | 0.03 | <10 | <10 | 18 | <10 | 30 |
| CC32987 | | 0.04 | <10 | <10 | 26 | <10 | 45 |
| CC32988 | | 0.04 | <10 | <10 | 27 | <10 | 48 |
| CC32989 | | 0.04 | <10 | <10 | 26 | <10 | 61 |
| CC32990 | | 0.07 | <10 | <10 | 41 | <10 | 115 |
| CC32991 | | 0.07 | <10 | <10 | 34 | <10 | 82 |
| CC32992 | | 0.07 | <10 | <10 | 35 | <10 | 83 |
| CC32993 | | 0.10 | <10 | <10 | 41 | <10 | 65 |

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Finalized : 24-OCT-2007
Account: RCM

## CERTIFICATE VA07104474

Project: CONNAUGHT

P.O. No.:

This report is for 31 Rock samples submitted to our lab in Vancouver, BC, Canada on 6-SEP-2007.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| AL ARCHER<br>BILL WENGZYNOWSKI | DOUG EATON | JOAN MARIACHER |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-ICP41 | 35 Element Aqua Regia ICP-AES | ICP-AES |
| Ag-OG46 | Ore Grade Ag - Aqua Regia | VARIABLE |
| 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-AA23 | Au 30g FA-AA finish | AAS |

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

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

**Signature:** Lawrence Ng

Lawrence Ng, Laboratory Manager - Vancouver

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Project: CONNAUGHT



# CERTIFICATE OF ANALYSIS VA07104474

| Sample Description | Method | WEI-21 | Au-AA23 | 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. | Au | Ag | Al | As | B | Ba | Be | Bi | Ca | Cd | Co | Cr | Cu | Fe |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % |
| | LOR | 0.02 | 0.005 | 0.2 | 0.01 | 2 | 10 | 10 | 0.5 | 2 | 0.01 | 0.5 | 1 | 1 | 1 | 0.01 |
| C491127 | | 4.74 | 3.37 | >100 | 0.17 | >10000 | <10 | <10 | <0.5 | 540 | <0.01 | 38.5 | 1 | <1 | 4850 | 8.33 |
| C491128 | | 6.89 | 0.388 | >100 | 0.02 | 2380 | <10 | 30 | <0.5 | 726 | <0.01 | 46.2 | <1 | <1 | 1290 | 0.69 |
| C491129 | | 5.58 | 2.12 | >100 | 0.12 | >10000 | <10 | 30 | <0.5 | 739 | 0.01 | 28.1 | 1 | 1 | 2400 | 12.90 |
| C491130 | | 3.78 | 0.077 | >100 | 0.38 | 8430 | 10 | 40 | <0.5 | 6 | 0.01 | 91.4 | 1 | 9 | 134 | 1.73 |
| C491131 | | 2.95 | 0.205 | 29.8 | 0.38 | >10000 | <10 | 20 | 0.6 | 9 | 0.02 | 73.5 | 1 | 4 | 36 | 2.61 |
| C491132 | | 4.14 | 0.847 | 39.9 | 0.33 | >10000 | <10 | 90 | 0.7 | 3 | 0.02 | 154.5 | 1 | 8 | 37 | 3.07 |
| C491133 | | 3.17 | 0.739 | 14.0 | 0.25 | >10000 | <10 | 320 | 0.8 | 2 | 0.02 | 58.5 | 1 | 8 | 42 | 2.99 |
| C491134 | | 3.94 | 1.155 | >100 | 0.20 | >10000 | <10 | 20 | <0.5 | 333 | 0.01 | 56.4 | 1 | 8 | 2350 | 9.15 |
| C491135 | | 3.30 | 0.344 | >100 | 0.09 | 6540 | <10 | 60 | <0.5 | 26 | <0.01 | 16.7 | 1 | 12 | 258 | 3.49 |
| C491136 | | 3.24 | 0.023 | 30.0 | 0.24 | 887 | <10 | 70 | 0.7 | 6 | 0.01 | 6.1 | 2 | 10 | 34 | 0.99 |
| C491137 | | 4.35 | 0.125 | >100 | 0.18 | 2710 | <10 | 200 | 0.5 | 8 | 0.01 | 57.5 | 1 | 15 | 194 | 1.47 |
| C491138 | | 2.32 | 0.016 | 51.9 | 0.78 | 926 | <10 | 50 | 1.7 | 3 | 0.22 | 24.1 | 3 | 7 | 37 | 1.93 |
| C491139 | | 2.29 | <0.005 | 3.1 | 0.84 | 48 | <10 | 40 | 0.5 | <2 | 0.25 | 0.9 | 5 | 12 | 168 | 1.62 |
| C491140 | | 3.54 | <0.005 | 4.7 | 2.09 | 1290 | <10 | 80 | 1.8 | <2 | 0.03 | 6.2 | 1 | 10 | 209 | 3.46 |
| C491141 | | 3.50 | 0.404 | 76.8 | 0.68 | >10000 | <10 | 60 | <0.5 | 19 | 0.02 | 67.8 | <1 | 3 | 298 | 2.99 |
| C491142 | | 3.69 | 1.740 | >100 | 0.18 | >10000 | <10 | 20 | <0.5 | 404 | <0.01 | 235 | 1 | 3 | 691 | 7.54 |
| C491143 | | 3.52 | 0.006 | 5.3 | 0.67 | 491 | <10 | 40 | <0.5 | 5 | 0.02 | 2.5 | <1 | 5 | 54 | 1.42 |
| C491144 | | 4.43 | 0.050 | 42.2 | 0.55 | 3280 | <10 | 80 | <0.5 | 17 | 0.01 | 16.1 | <1 | 5 | 82 | 2.00 |
| C491145 | | 4.49 | 0.007 | 3.3 | 0.59 | 985 | <10 | 40 | 0.5 | 2 | 0.01 | 5.3 | <1 | 4 | 48 | 1.87 |
| C491146 | | 4.38 | 0.010 | 4.9 | 0.61 | 1250 | <10 | 40 | 0.5 | 7 | 0.01 | 11.9 | 1 | 4 | 70 | 2.24 |
| C491147 | | 2.53 | 2.36 | >100 | 0.21 | >10000 | <10 | 30 | <0.5 | 11 | <0.01 | >1000 | 1 | 2 | 855 | 4.30 |
| C491148 | | 3.29 | 0.175 | >100 | 0.49 | >10000 | 10 | 150 | <0.5 | 68 | <0.01 | 98.2 | 1 | 8 | 623 | 3.33 |
| C491149 | | 2.92 | 0.819 | >100 | 0.62 | >10000 | <10 | 40 | <0.5 | 7 | <0.01 | 647 | 1 | 3 | 1245 | 4.11 |
| C491150 | | 1.65 | 0.930 | >100 | 0.11 | >10000 | <10 | 10 | <0.5 | 8 | <0.01 | 968 | <1 | 1 | 367 | 3.73 |
| C491151 | | 3.22 | 0.521 | >100 | 0.37 | >10000 | <10 | 30 | <0.5 | 79 | <0.01 | 338 | <1 | 4 | 420 | 3.95 |
| C491152 | | 3.21 | 0.146 | >100 | 0.30 | >10000 | <10 | 20 | <0.5 | 7 | <0.01 | >1000 | <1 | <1 | 1100 | 3.42 |
| C491153 | | 3.16 | 0.563 | >100 | 0.31 | >10000 | <10 | 20 | <0.5 | 65 | <0.01 | 389 | <1 | 4 | 573 | 4.19 |
| C491154 | | 3.67 | 0.487 | >100 | 0.50 | >10000 | <10 | <10 | <0.5 | 6 | <0.01 | >1000 | <1 | <1 | 728 | 7.28 |
| C491155 | | 1.86 | 1.345 | >100 | 0.29 | >10000 | <10 | 20 | <0.5 | 25 | <0.01 | 732 | <1 | 1 | 700 | 4.42 |
| C491156 | | 3.85 | 0.975 | >100 | 0.53 | >10000 | <10 | 10 | <0.5 | 176 | <0.01 | 493 | <1 | 2 | 1870 | 6.25 |
| C491157 | | 4.24 | 0.974 | >100 | 0.23 | 3870 | <10 | 10 | <0.5 | 6 | 0.01 | 617 | <1 | <1 | 2060 | 4.04 |

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Project: CONNAUGHT


Finalized Date: 24-OCT-2007
Account: RCM

## CERTIFICATE OF ANALYSIS VA07104474

| 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 | Ga | Hg | K | La | Mg | Mn | Mo | Na | Ni | P | Pb | S | Sb | Sc | Sr |
| | Units | ppm | ppm | % | ppm | % | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOR | 10 | 1 | 0.01 | 10 | 0.01 | 5 | 1 | 0.01 | 1 | 10 | 2 | 0.01 | 2 | 1 | 1 |
| C491127 | | <10 | 1 | 0.09 | <10 | <0.01 | 11 | 1 | 0.01 | <1 | 40 | >10000 | 7.68 | 1290 | 1 | 6 |
| C491128 | | <10 | <1 | <0.01 | <10 | <0.01 | 7 | <1 | <0.01 | <1 | 10 | >10000 | >10.0 | 2960 | <1 | 2 |
| C491129 | | <10 | 1 | 0.14 | <10 | <0.01 | 17 | 19 | <0.01 | <1 | 190 | >10000 | 4.21 | 2370 | 1 | 9 |
| C491130 | | <10 | 1 | 0.21 | 60 | 0.02 | 51 | 1 | 0.01 | 1 | 100 | >10000 | 0.31 | 1920 | 1 | 10 |
| C491131 | | <10 | <1 | 0.29 | 70 | 0.02 | 66 | 6 | <0.01 | <1 | 150 | >10000 | 0.15 | 247 | 1 | 9 |
| C491132 | | <10 | 1 | 0.17 | 60 | 0.01 | 93 | 5 | <0.01 | <1 | 100 | >10000 | 0.10 | 829 | 1 | 18 |
| C491133 | | <10 | 1 | 0.12 | 50 | 0.01 | 78 | 3 | <0.01 | 1 | 50 | 3220 | 0.06 | 296 | 1 | 32 |
| C491134 | | 10 | 1 | 0.13 | <10 | 0.01 | 27 | 51 | <0.01 | <1 | 600 | >10000 | 1.87 | 6180 | 1 | 1 |
| C491135 | | <10 | <1 | 0.21 | <10 | <0.01 | 39 | 24 | 0.01 | <1 | 370 | >10000 | 0.78 | 1700 | <1 | <1 |
| C491136 | | <10 | <1 | 0.15 | 20 | 0.01 | 1705 | 3 | <0.01 | <1 | 70 | 3460 | 0.04 | 355 | <1 | 5 |
| C491137 | | <10 | 1 | 0.13 | 20 | 0.01 | 130 | 74 | 0.01 | 1 | 890 | >10000 | 0.13 | 3820 | <1 | 6 |
| C491138 | | <10 | 1 | 0.22 | 30 | 0.16 | 2340 | 122 | 0.01 | 5 | 950 | 7770 | 0.03 | 300 | 1 | 9 |
| C491139 | | 10 | 1 | 0.14 | 40 | 0.36 | 469 | 1 | 0.05 | 2 | 850 | 257 | 0.02 | 20 | 3 | 8 |
| C491140 | | 10 | 1 | 0.38 | 20 | 0.37 | 466 | 2 | 0.01 | 1 | 770 | 3990 | 0.25 | 96 | 4 | 5 |
| C491141 | | 10 | 1 | 0.33 | 20 | 0.06 | 53 | 3 | 0.01 | <1 | 180 | >10000 | 0.61 | 443 | 1 | 2 |
| C491142 | | 10 | 1 | 0.08 | <10 | <0.01 | 31 | 1 | <0.01 | <1 | 20 | >10000 | 4.22 | 3650 | 2 | 6 |
| C491143 | | <10 | <1 | 0.25 | 20 | 0.08 | 65 | 2 | 0.01 | <1 | 60 | 947 | 0.18 | 48 | 1 | 1 |
| C491144 | | <10 | <1 | 0.31 | 20 | 0.03 | 34 | 6 | 0.01 | <1 | 90 | 9620 | 0.52 | 424 | 1 | 2 |
| C491145 | | <10 | <1 | 0.21 | 30 | 0.05 | 32 | 5 | 0.01 | <1 | 150 | 1010 | 0.13 | 34 | 1 | 2 |
| C491146 | | <10 | 1 | 0.22 | 40 | 0.05 | 56 | 4 | 0.01 | <1 | 110 | 912 | 0.09 | 50 | 1 | 8 |
| C491147 | | 10 | 5 | 0.10 | 10 | <0.01 | 26 | 1 | <0.01 | 1 | 50 | >10000 | 5.38 | >10000 | 1 | 18 |
| C491148 | | 10 | <1 | 0.34 | 10 | 0.02 | 32 | 3 | <0.01 | 1 | 220 | >10000 | 1.12 | 2530 | 1 | 8 |
| C491149 | | 10 | 11 | 0.07 | <10 | <0.01 | 28 | 2 | <0.01 | <1 | 50 | >10000 | 5.03 | 7860 | 1 | 34 |
| C491150 | | 10 | 11 | 0.04 | 10 | <0.01 | 18 | 1 | <0.01 | 4 | 20 | >10000 | 5.85 | >10000 | <1 | 24 |
| C491151 | | 10 | 4 | 0.22 | 10 | 0.01 | 29 | 3 | <0.01 | 2 | 110 | >10000 | 1.86 | 6860 | 1 | 10 |
| C491152 | | 10 | 8 | 0.04 | <10 | <0.01 | 22 | <1 | <0.01 | 1 | 20 | >10000 | 6.98 | >10000 | <1 | 42 |
| C491153 | | 10 | 2 | 0.17 | 10 | 0.01 | 33 | 5 | <0.01 | 1 | 90 | >10000 | 1.97 | 4800 | 1 | 15 |
| C491154 | | 10 | 5 | 0.03 | <10 | <0.01 | 16 | <1 | <0.01 | 3 | 20 | >10000 | 5.64 | >10000 | <1 | 24 |
| C491155 | | 10 | 9 | 0.04 | 10 | <0.01 | 16 | <1 | <0.01 | 2 | 40 | >10000 | 5.54 | 8970 | 1 | 36 |
| C491156 | | 10 | 3 | 0.09 | 10 | 0.01 | 29 | 2 | <0.01 | 1 | 50 | >10000 | 3.33 | 8070 | 1 | 15 |
| C491157 | | 10 | 6 | 0.04 | 10 | 0.02 | 31 | <1 | <0.01 | 3 | 80 | >10000 | 7.69 | >10000 | <1 | 28 |

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: CONNAUGHT



# CERTIFICATE OF ANALYSIS VA07104474

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Ag-OG46 | Pb-OG46 | Ag-GRA21 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Th | Ti | Tl | U | V | W | Zn | Ag | Pb | Ag |
| | Units | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm |
| | LOR | 20 | 0.01 | 10 | 10 | 1 | 10 | 2 | 1 | 0.01 | 5 |
| C491127 | | <20 | <0.01 | <10 | <10 | 2 | <10 | 416 | 1500 | >20.0 | 1620 |
| C491128 | | <20 | <0.01 | 10 | <10 | <1 | <10 | 508 | >1500 | >20.0 | 4030 |
| C491129 | | <20 | <0.01 | <10 | <10 | 4 | <10 | 1880 | >1500 | >20.0 | 2190 |
| C491130 | | <20 | <0.01 | <10 | 30 | 4 | <10 | 190 | 167 | 1.83 | |
| C491131 | | 20 | <0.01 | <10 | 10 | 2 | <10 | 405 | | 1.65 | |
| C491132 | | <20 | <0.01 | <10 | 20 | 2 | <10 | 725 | | 1.98 | |
| C491133 | | <20 | <0.01 | <10 | <10 | 3 | <10 | 353 | | | |
| C491134 | | <20 | <0.01 | <10 | <10 | 12 | <10 | 1660 | 697 | 12.35 | |
| C491135 | | 40 | <0.01 | <10 | 30 | 1 | <10 | 131 | 583 | 2.80 | |
| C491136 | | 60 | <0.01 | <10 | 10 | 1 | <10 | 252 | | | |
| C491137 | | <20 | <0.01 | <10 | 150 | 3 | <10 | 286 | 528 | 2.88 | |
| C491138 | | 20 | 0.01 | <10 | 20 | 6 | <10 | 1560 | | | |
| C491139 | | 20 | 0.02 | <10 | <10 | 12 | <10 | 97 | | | |
| C491140 | | 20 | <0.01 | <10 | <10 | 17 | <10 | 680 | | | |
| C491141 | | <20 | <0.01 | <10 | <10 | 6 | <10 | 452 | | 1.28 | |
| C491142 | | <20 | <0.01 | <10 | 10 | 5 | <10 | 917 | 1180 | >20.0 | |
| C491143 | | 20 | <0.01 | <10 | <10 | 1 | <10 | 268 | | | |
| C491144 | | 20 | <0.01 | <10 | <10 | 3 | <10 | 243 | | | |
| C491145 | | 40 | <0.01 | <10 | <10 | 2 | <10 | 126 | | | |
| C491146 | | 40 | <0.01 | <10 | <10 | 2 | <10 | 191 | | | |
| C491147 | | <20 | <0.01 | <10 | 20 | 3 | 10 | 1160 | >1500 | >20.0 | 1890 |
| C491148 | | <20 | <0.01 | <10 | <10 | 7 | <10 | 555 | 158 | 5.61 | |
| C491149 | | <20 | <0.01 | <10 | 20 | 3 | 10 | 1470 | >1500 | >20.0 | 1750 |
| C491150 | | <20 | <0.01 | <10 | 10 | 1 | <10 | 1650 | >1500 | >20.0 | 2160 |
| C491151 | | <20 | <0.01 | <10 | <10 | 4 | <10 | 1210 | 501 | 12.55 | |
| C491152 | | <20 | <0.01 | <10 | 20 | 1 | <10 | 1430 | >1500 | >20.0 | 2770 |
| C491153 | | <20 | <0.01 | <10 | <10 | 2 | <10 | 1130 | 606 | 13.55 | |
| C491154 | | <20 | <0.01 | <10 | <10 | 1 | <10 | 3480 | >1500 | >20.0 | 1985 |
| C491155 | | <20 | <0.01 | <10 | <10 | 2 | <10 | 1480 | >1500 | >20.0 | 1860 |
| C491156 | | <20 | <0.01 | <10 | <10 | 2 | <10 | 1810 | 1080 | >20.0 | |
| C491157 | | <20 | <0.01 | <10 | <10 | 2 | <10 | 1320 | >1500 | >20.0 | 2880 |

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Finalized: 2-NOV-2007
Account: RCM

# CERTIFICATE VA07104200

Project: CONNAUGHT

P.O. No.:

This report is for 23 Rock samples submitted to our lab in Vancouver, BC, Canada on 7-SEP-2007.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| AL ARCHER<br>BILL WENGZYNOWSKI | DOUG EATON | JOAN MARIACHER |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-ICP41 | 35 Element Aqua Regia ICP-AES | ICP-AES |
| Ag-OG46 | Ore Grade Ag - Aqua Regia | VARIABLE |
| 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 |
| Pb-VOL70 | Pb by Titration | |
| Au-AA23 | Au 30g FA-AA finish | AAS |

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

**Signature:** Lawrence Ng

Lawrence Ng, Laboratory Manager - Vancouver

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Project: CONNAUGHT


Finalized Date: 2-NOV-2007
Account: RCM

## CERTIFICATE OF ANALYSIS VA07104200

| Sample Description | Method | WEI-21 | Au-AA23 | 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. | Au | Ag | Al | As | B | Ba | Be | Bi | Ca | Cd | Co | Cr | Cu | Fe |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % |
| | LOR | 0.02 | 0.005 | 0.2 | 0.01 | 2 | 10 | 10 | 0.5 | 2 | 0.01 | 0.5 | 1 | 1 | 1 | 0.01 |
| C491001 | | 7.49 | 0.873 | >100 | 0.06 | >10000 | <10 | 40 | <0.5 | 748 | 0.01 | 112.5 | 2 | 1 | 314 | 1.56 |
| C491002 | | 7.39 | 0.728 | >100 | 0.04 | >10000 | <10 | 20 | <0.5 | 792 | <0.01 | 262 | 6 | 1 | 306 | 1.94 |
| C491003 | | 4.00 | 0.829 | >100 | 0.33 | >10000 | <10 | 50 | <0.5 | 98 | 0.01 | 23.2 | 3 | 4 | 259 | 3.03 |
| C491004 | | 3.23 | 1.335 | >100 | 0.26 | >10000 | <10 | 40 | <0.5 | 315 | 0.01 | 41.4 | 5 | 3 | 377 | 4.03 |
| C491005 | | 5.04 | 1.695 | >100 | 0.14 | >10000 | <10 | 20 | <0.5 | 553 | <0.01 | 227 | 8 | 2 | 632 | 4.34 |
| C491006 | | 3.55 | 3.54 | >100 | 0.32 | >10000 | <10 | 40 | <0.5 | 51 | <0.01 | 53.4 | 8 | 7 | 650 | 7.24 |
| C491007 | | 2.09 | 0.694 | >100 | 0.12 | >10000 | <10 | 40 | <0.5 | 334 | <0.01 | 114.5 | 3 | 2 | 335 | 2.87 |
| C491008 | | 2.78 | 0.122 | 80.0 | 0.34 | 6490 | 10 | 50 | <0.5 | 23 | <0.01 | 5.0 | 3 | 3 | 99 | 2.45 |
| C491009 | | 3.34 | 0.773 | >100 | 0.06 | >10000 | <10 | 40 | <0.5 | 1605 | <0.01 | 86.7 | 1 | 1 | 356 | 2.09 |
| C491010 | | 2.22 | 0.338 | >100 | 0.53 | >10000 | <10 | 20 | 1.4 | 7 | 0.04 | 31.2 | 1 | 3 | 294 | 3.74 |
| C491011 | | 3.58 | 0.085 | 35.3 | 0.46 | 5300 | <10 | 30 | <0.5 | 20 | 0.02 | 10.6 | 1 | 4 | 115 | 1.30 |
| C491012 | | 2.45 | 0.073 | 9.2 | 0.84 | 2830 | <10 | 30 | 1.0 | <2 | 0.07 | 10.4 | 1 | 4 | 62 | 2.37 |
| C491013 | | 1.56 | 0.005 | 7.7 | 0.25 | 742 | <10 | 10 | <0.5 | 2 | 0.01 | 1.0 | <1 | 4 | 32 | 0.86 |
| C491014 | | 3.07 | 0.453 | >100 | 0.21 | >10000 | <10 | 30 | <0.5 | 19 | 0.01 | 34.2 | 1 | 4 | 363 | 4.54 |
| C491015 | | 2.09 | 0.006 | 7.8 | 0.30 | 308 | <10 | 20 | <0.5 | <2 | 0.04 | 1.0 | 1 | 3 | 98 | 1.10 |
| C491016 | | 2.33 | 0.005 | 5.0 | 0.31 | 1220 | <10 | 30 | <0.5 | <2 | 0.06 | 1.5 | <1 | 3 | 58 | 1.29 |
| C491017 | | 3.17 | 0.027 | 8.2 | 0.28 | >10000 | <10 | 70 | <0.5 | 9 | 0.01 | 1.6 | <1 | 4 | 83 | 1.89 |
| C491018 | | 2.45 | 0.300 | >100 | 0.01 | 907 | <10 | 10 | <0.5 | 33 | <0.01 | 65.2 | <1 | 2 | 2310 | 0.59 |
| C491019 | | 4.43 | 2.64 | >100 | 0.17 | >10000 | <10 | 10 | <0.5 | 47 | 0.01 | 11.7 | 2 | 1 | 1850 | 12.90 |
| C491020 | | 2.14 | 0.230 | 15.6 | 0.25 | 3780 | <10 | 80 | <0.5 | 2 | 0.03 | 1.1 | 1 | 5 | 227 | 2.33 |
| C491021 | | 1.35 | <0.005 | 4.8 | 0.34 | 79 | <10 | 20 | 1.0 | <2 | 0.03 | 0.9 | <1 | 4 | 28 | 0.84 |
| C491022 | | 2.43 | 0.269 | >100 | 0.22 | 7210 | <10 | 10 | 1.3 | 3 | 0.02 | 13.1 | 3 | 7 | 243 | 1.89 |
| C491023 | | 2.33 | 0.006 | 2.7 | 0.32 | 137 | <10 | 10 | 0.7 | <2 | 0.03 | 1.9 | 1 | 5 | 24 | 0.64 |

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VANCOUVER BC V6B 1L8

Project: CONNAUGHT



# CERTIFICATE OF ANALYSIS VA07104200

| 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 | Ga | Hg | K | La | Mg | Mn | Mo | Na | Ni | P | Pb | S | Sb | Sc | Sr |
| | Units | ppm | ppm | % | ppm | % | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOR | 10 | 1 | 0.01 | 10 | 0.01 | 5 | 1 | 0.01 | 1 | 10 | 2 | 0.01 | 2 | 1 | 1 |
| C491001 | | <10 | 1 | 0.06 | 10 | 0.01 | 16 | <1 | <0.01 | 3 | 110 | >10000 | 7.29 | >10000 | 1 | 3 |
| C491002 | | <10 | 4 | 0.05 | 10 | <0.01 | 18 | <1 | <0.01 | 6 | 110 | >10000 | 6.49 | >10000 | 1 | 3 |
| C491003 | | <10 | 1 | 0.39 | 20 | 0.01 | 26 | 1 | <0.01 | 3 | 170 | >10000 | 1.25 | 1830 | 2 | 1 |
| C491004 | | <10 | 1 | 0.40 | 10 | 0.01 | 19 | 2 | <0.01 | 5 | 230 | >10000 | 2.55 | 4000 | 3 | 2 |
| C491005 | | <10 | 4 | 0.14 | 20 | <0.01 | 28 | 1 | <0.01 | 8 | 140 | >10000 | 5.22 | >10000 | 3 | 5 |
| C491006 | | 10 | 1 | 0.44 | 10 | <0.01 | 36 | 3 | <0.01 | 7 | 350 | >10000 | 1.61 | 3270 | 3 | 2 |
| C491007 | | <10 | 1 | 0.19 | 20 | <0.01 | 13 | <1 | <0.01 | 3 | 80 | >10000 | 6.42 | >10000 | 1 | 3 |
| C491008 | | <10 | <1 | 0.50 | 30 | 0.01 | 23 | 3 | <0.01 | 4 | 280 | >10000 | 0.81 | 469 | 1 | 1 |
| C491009 | | <10 | 2 | 0.11 | 10 | <0.01 | 9 | <1 | <0.01 | 2 | 60 | >10000 | 8.35 | 4820 | 1 | 3 |
| C491010 | | <10 | 1 | 0.18 | 70 | 0.04 | 105 | 54 | <0.01 | 3 | 1260 | >10000 | 0.09 | 1600 | 1 | 5 |
| C491011 | | <10 | <1 | 0.23 | 40 | 0.02 | 127 | 6 | <0.01 | 1 | 160 | >10000 | 0.20 | 442 | <1 | 10 |
| C491012 | | <10 | <1 | 0.39 | 60 | 0.16 | 147 | 10 | 0.01 | 2 | 450 | >10000 | 0.01 | 61 | 2 | 5 |
| C491013 | | <10 | <1 | 0.19 | <10 | 0.01 | 25 | 2 | <0.01 | 2 | 20 | 3800 | 0.05 | 67 | <1 | 1 |
| C491014 | | <10 | 1 | 0.27 | 10 | 0.01 | 30 | 32 | <0.01 | 2 | 120 | >10000 | 0.79 | 3440 | <1 | 2 |
| C491015 | | <10 | <1 | 0.18 | 10 | 0.02 | 44 | 3 | <0.01 | 2 | 60 | 2070 | 0.02 | 64 | <1 | 3 |
| C491016 | | <10 | <1 | 0.14 | 20 | 0.03 | 41 | 1 | <0.01 | 1 | 30 | 3950 | 0.05 | 51 | <1 | 5 |
| C491017 | | <10 | <1 | 0.16 | 50 | 0.01 | 19 | 3 | <0.01 | 2 | 30 | >10000 | 0.23 | 448 | <1 | 5 |
| C491018 | | <10 | <1 | 0.01 | <10 | <0.01 | 10 | <1 | <0.01 | 1 | 10 | >10000 | >10.0 | 4720 | <1 | 5 |
| C491019 | | 10 | 1 | 0.14 | 10 | 0.01 | 28 | 43 | 0.01 | 4 | 50 | >10000 | 2.72 | 2890 | <1 | 3 |
| C491020 | | <10 | <1 | 0.22 | 20 | 0.02 | 52 | 21 | <0.01 | 2 | 180 | >10000 | 0.31 | 139 | <1 | 5 |
| C491021 | | <10 | <1 | 0.17 | 20 | 0.02 | 99 | 3 | 0.02 | 1 | 30 | 804 | <0.01 | 14 | 1 | 2 |
| C491022 | | <10 | <1 | 0.14 | 30 | 0.01 | 37 | 76 | <0.01 | 1 | 180 | >10000 | <0.01 | 219 | <1 | 2 |
| C491023 | | <10 | <1 | 0.16 | 30 | 0.02 | 333 | 2 | 0.01 | 1 | 50 | 779 | <0.01 | 13 | <1 | 2 |

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Project: CONNAUGHT


Finalized Date: 2-NOV-2007
Account: RCM

## CERTIFICATE OF ANALYSIS VA07104200

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Ag-OG46 | Pb-OG46 | Ag-GRA21 | Pb-VOL70 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Th | Ti | Tl | U | V | W | Zn | Ag | Pb | Ag | Pb |
| | Units | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | % |
| | LOR | 20 | 0.01 | 10 | 10 | 1 | 10 | 2 | 1 | 0.01 | 5 | 0.01 |
| C491001 | | <20 | <0.01 | <10 | 30 | 1 | <10 | 87 | >1500 | >20.0 | 2450 | 48.81 |
| C491002 | | <20 | <0.01 | <10 | 80 | 1 | <10 | 122 | >1500 | >20.0 | 2030 | 44.71 |
| C491003 | | <20 | <0.01 | <10 | 10 | 2 | <10 | 182 | 281 | 5.34 | | |
| C491004 | | 20 | <0.01 | <10 | 30 | 3 | <10 | 186 | 643 | 13.30 | | |
| C491005 | | <20 | <0.01 | <10 | 120 | 2 | <10 | 179 | 1100 | >20.0 | | 35.65 |
| C491006 | | <20 | 0.01 | <10 | 30 | 5 | <10 | 437 | 360 | 6.40 | | |
| C491007 | | <20 | <0.01 | <10 | 50 | 1 | <10 | 135 | >1500 | >20.0 | 2030 | 42.49 |
| C491008 | | <20 | <0.01 | <10 | <10 | 3 | <10 | 130 | | 1.96 | | |
| C491009 | | <20 | <0.01 | <10 | 20 | 1 | <10 | 182 | >1500 | >20.0 | 2880 | 54.89 |
| C491010 | | 20 | <0.01 | <10 | 50 | 6 | <10 | 922 | 160 | 7.26 | | |
| C491011 | | 40 | <0.01 | <10 | 10 | 2 | <10 | 132 | | 1.93 | | |
| C491012 | | 40 | 0.02 | <10 | <10 | 6 | <10 | 661 | | 1.16 | | |
| C491013 | | 20 | <0.01 | <10 | <10 | 1 | <10 | 68 | | | | |
| C491014 | | <20 | <0.01 | <10 | 10 | 3 | <10 | 493 | 443 | 9.58 | | |
| C491015 | | 30 | <0.01 | <10 | <10 | 2 | <10 | 169 | | | | |
| C491016 | | 60 | <0.01 | <10 | <10 | <1 | <10 | 118 | | | | |
| C491017 | | 40 | <0.01 | <10 | <10 | 1 | <10 | 325 | | 2.77 | | |
| C491018 | | <20 | <0.01 | <10 | <10 | <1 | <10 | 94 | >1500 | >20.0 | 2830 | 62.65 |
| C491019 | | <20 | <0.01 | <10 | <10 | 3 | <10 | 1390 | 383 | >20.0 | | 25.62 |
| C491020 | | <20 | <0.01 | <10 | 10 | 5 | <10 | 161 | | 1.68 | | |
| C491021 | | 50 | <0.01 | <10 | 10 | 1 | <10 | 268 | | | | |
| C491022 | | 20 | <0.01 | <10 | 70 | 6 | <10 | 366 | 128 | 2.76 | | |
| C491023 | | 50 | <0.01 | <10 | 10 | 1 | <10 | 290 | | | | |

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Finalized: 5-OCT-2007
Account: RCM

## CERTIFICATE VA07103093

Project: CONNAUGHT

P.O. No.:

This report is for 9 Rock samples submitted to our lab in Vancouver, BC, Canada on 14-SEP-2007.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| AL ARCHER<br>BILL WENGZYNOWSKI | DOUG EATON | JOAN MARIACHER |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Ag-GRA21 | Ag 30g FA-GRAV finish | WST-SIM |
| Pb-VOL70 | Pb by Titration | |

To: **ATAC RESOURCES LTD.**
**ATTN: AL ARCHER**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
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**VANCOUVER BC V6B 1L8**

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

**Signature:** Lawrence Ng

Lawrence Ng, Laboratory Manager - Vancouver

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Project: CONNAUGHT

# CERTIFICATE OF ANALYSIS VA07103093

| Sample Description | Method / Analyte / Units / LOR | Ag-GRA21 Ag ppm 5 | Pb-VOL70 Pb % 0.01 |
|---|---|---|---|
| C491051 | | 2410 | 75.71 |
| C491058 | | 2550 | 74.62 |
| C491064 | | 1685 | 58.26 |
| C491103 | | 2060 | 68.67 |
| C491106 | | | 25.28 |
| C491107 | | 2130 | 64.72 |
| C491109 | | | 22.68 |
| C491119 | | 2900 | 60.04 |
| C491126 | | 4050 | 79.41 |

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Finalize


e: 3-NOV-2007
Account: RCM

## CERTIFICATE VA07103048

Project: CONNAUGHT

P.O. No.:

This report is for 129 Rock samples submitted to our lab in Vancouver, BC, Canada on 11-SEP-2007.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| AL ARCHER<br>BILL WENGZYNOWSKI | DOUG EATON | JOAN MARIACHER |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-22 | Sample login - Rcd w/o BarCode |
| CRU-QC | Crushing 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 |
|---|---|---|
| Pb-OG46 | Ore Grade Pb - Aqua Regia | VARIABLE |
| Ag-GRA21 | Ag 30g FA-GRAV finish | WST-SIM |
| Au-AA23 | Au 30g FA-AA finish | AAS |
| ME-ICP41 | 35 Element Aqua Regia ICP-AES | ICP-AES |
| Ag-OG46 | Ore Grade Ag - Aqua Regia | VARIABLE |
| ME-OG46 | Ore Grade Elements - AquaRegia | ICP-AES |

To: **ATAC RESOURCES LTD.**
**ATTN: AL ARCHER**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
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**VANCOUVER BC V6B 1L8**

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

**Signature:**

Lawrence Ng, Laboratory Manager - Vancouver

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Finalized Date: 3-NOV-2007
Account: RCM

Project: CONNAUGHT

## CERTIFICATE OF ANALYSIS VA07103048

| 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 |
| C488951 | | 2.06 | 0.3 | 0.72 | 19 | <10 | 30 | 1.0 | 2 | 0.06 | 1.0 | 3 | 25 | 14 | 1.52 | 10 |
| C488952 | | 2.40 | 3.2 | 0.94 | 144 | <10 | 50 | 1.0 | <2 | 0.04 | 2.1 | 10 | 4 | 41 | 1.50 | <10 |
| C488953 | | 2.19 | 8.5 | 0.79 | 801 | <10 | 40 | 1.0 | <2 | 0.03 | 3.8 | 8 | 26 | 76 | 1.95 | <10 |
| C488954 | | 2.66 | 2.3 | 0.67 | 176 | <10 | 50 | 0.6 | <2 | 0.01 | 0.8 | 2 | 38 | 38 | 1.08 | <10 |
| C488955 | | 1.91 | 1.7 | 0.70 | 72 | <10 | 50 | 0.7 | <2 | 0.01 | <0.5 | 1 | 6 | 39 | 1.56 | <10 |
| C488956 | | 2.99 | 7.6 | 0.89 | 1260 | <10 | 60 | 0.7 | 6 | 0.02 | 0.6 | 1 | 47 | 53 | 1.41 | <10 |
| C488957 | | 2.32 | 11.5 | 0.46 | 5280 | <10 | 90 | <0.5 | 6 | 0.01 | 1.1 | 1 | 4 | 37 | 1.77 | <10 |
| C488958 | | 3.03 | 2.4 | 0.53 | 76 | <10 | 90 | 0.6 | 5 | 0.01 | <0.5 | 1 | 37 | 18 | 1.70 | <10 |
| C488959 | | 2.57 | 1.8 | 0.52 | 25 | <10 | 70 | <0.5 | <2 | 0.01 | <0.5 | <1 | 4 | 14 | 1.66 | <10 |
| C488960 | | 2.21 | 0.5 | 0.55 | 22 | <10 | 110 | <0.5 | <2 | 0.02 | <0.5 | <1 | 38 | 3 | 1.35 | <10 |
| C488961 | | 2.24 | 4.0 | 1.17 | 575 | <10 | 180 | 1.1 | <2 | 0.10 | 1.2 | 1 | 6 | 84 | 2.42 | 10 |
| C488962 | | 1.13 | 4.1 | 0.54 | 382 | <10 | 40 | <0.5 | <2 | 0.01 | <0.5 | 1 | 32 | 35 | 1.11 | <10 |
| C488963 | | 1.60 | >100 | 0.32 | >10000 | <10 | 40 | <0.5 | 4 | 0.02 | 62.2 | 1 | 7 | 606 | 4.70 | <10 |
| C488964 | | 2.34 | 13.6 | 0.59 | 5140 | <10 | 30 | <0.5 | 2 | 0.01 | 4.5 | 1 | 48 | 97 | 1.42 | <10 |
| C488965 | | 1.53 | >100 | 0.32 | >10000 | <10 | 50 | <0.5 | 36 | 0.02 | 64.7 | 1 | 48 | 676 | 5.07 | <10 |
| C488966 | | 1.99 | 2.2 | 0.69 | 501 | <10 | 80 | <0.5 | 2 | 0.02 | 0.7 | <1 | 8 | 24 | 1.02 | <10 |
| C488967 | | 2.17 | 9.3 | 0.53 | >10000 | <10 | 40 | 0.5 | 4 | 0.01 | 4.6 | 1 | 37 | 59 | 2.18 | <10 |
| C488968 | | 2.23 | 5.8 | 0.65 | 7950 | <10 | 50 | 0.7 | <2 | 0.01 | 10.8 | 1 | 5 | 170 | 3.79 | <10 |
| C488969 | | 2.30 | 2.8 | 0.63 | 9820 | <10 | 40 | <0.5 | <2 | 0.01 | 1.1 | 1 | 35 | 71 | 1.79 | <10 |
| C488970 | | 1.90 | >100 | 0.54 | >10000 | <10 | 10 | <0.5 | 50 | <0.01 | 3.1 | 1 | 7 | 5390 | 8.56 | 10 |
| C488971 | | 2.44 | 1.7 | 1.40 | 927 | <10 | 50 | 1.0 | <2 | 0.03 | 3.3 | 1 | 33 | 126 | 1.95 | 10 |
| C488972 | | 2.15 | 5.6 | 0.51 | 2240 | <10 | 40 | <0.5 | <2 | 0.01 | <0.5 | 1 | 38 | 41 | 1.32 | <10 |
| C488973 | | 2.71 | 44.0 | 0.38 | >10000 | <10 | 30 | <0.5 | <2 | 0.01 | 2.8 | 1 | 9 | 265 | 3.63 | <10 |
| C488974 | | 1.67 | 3.1 | 0.45 | 807 | <10 | 50 | <0.5 | 2 | 0.01 | 1.0 | <1 | 31 | 53 | 1.73 | <10 |
| C488975 | | 2.77 | 6.0 | 0.63 | 2610 | <10 | 120 | 0.5 | 2 | 0.01 | 1.4 | 1 | 5 | 57 | 1.87 | <10 |
| C488976 | | 3.10 | >100 | 0.27 | >10000 | <10 | 10 | <0.5 | 111 | <0.01 | 4.3 | 6 | 46 | 2280 | 6.05 | <10 |
| C488977 | | 3.41 | >100 | 0.40 | >10000 | 10 | 40 | <0.5 | 2040 | 0.01 | 73.2 | 1 | 6 | 1330 | 7.39 | <10 |
| C488978 | | 0.93 | 88.6 | 0.15 | >10000 | <10 | 20 | <0.5 | 18 | 0.01 | 2.4 | 13 | 53 | 291 | 3.32 | <10 |
| C488979 | | 6.58 | >100 | 0.02 | 3350 | <10 | 10 | <0.5 | 118 | 0.01 | 40.4 | 1 | 1 | 2290 | 1.21 | <10 |
| C488980 | | 5.47 | >100 | 0.06 | 2250 | <10 | 10 | <0.5 | 96 | 0.01 | 41.6 | 1 | 8 | 1140 | 0.85 | <10 |
| C488981 | | 1.42 | >100 | 0.01 | 2910 | <10 | 10 | <0.5 | 76 | <0.01 | 56.7 | 1 | <1 | 2040 | 1.15 | <10 |
| C488982 | | 0.91 | 38.1 | 0.43 | >10000 | <10 | 70 | <0.5 | 2 | 0.01 | 2.1 | 1 | 21 | 378 | 7.68 | <10 |
| C488983 | | 1.52 | >100 | 0.03 | 3260 | <10 | 30 | <0.5 | 40 | <0.01 | 110.5 | <1 | 1 | 3520 | 1.12 | <10 |
| C488984 | | 1.55 | >100 | 0.20 | >10000 | <10 | 20 | <0.5 | 179 | 0.01 | 52.8 | 11 | 27 | 1680 | 8.31 | <10 |
| C488985 | | 2.12 | >100 | 0.31 | >10000 | <10 | 20 | <0.5 | 179 | 0.01 | 9.2 | 7 | 34 | 1220 | 6.35 | <10 |
| C488986 | | 1.58 | >100 | 0.10 | >10000 | <10 | 10 | <0.5 | 416 | <0.01 | 13.3 | 13 | 2 | 1790 | 13.00 | <10 |
| C488987 | | 1.53 | >100 | 0.15 | 5900 | <10 | 40 | <0.5 | 199 | 0.01 | 17.3 | 3 | 31 | 924 | 2.66 | <10 |
| C488988 | | 2.96 | >100 | 0.01 | 5690 | <10 | 20 | <0.5 | 166 | <0.01 | 63.2 | 4 | 2 | 1900 | 1.96 | <10 |
| C488989 | | 2.10 | >100 | <0.01 | 5190 | <10 | <10 | <0.5 | 647 | <0.01 | 27.6 | 3 | 5 | 2750 | 2.83 | <10 |
| C488990 | | 1.14 | >100 | 0.07 | 7870 | <10 | 30 | <0.5 | 88 | <0.01 | 6.7 | 2 | 7 | 537 | 2.50 | <10 |

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

Project: CONNAUGHT



# CERTIFICATE OF ANALYSIS VA07103048

| 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 |
| C488951 | | <1 | 0.21 | 40 | 0.07 | 180 | 2 | 0.04 | 1 | 210 | 14 | 0.01 | <2 | 3 | 4 | 30 |
| C488952 | | 1 | 0.21 | 90 | 0.06 | 1130 | 2 | <0.01 | 2 | 250 | 264 | <0.01 | <2 | 2 | 5 | 30 |
| C488953 | | 1 | 0.22 | 80 | 0.04 | 1930 | 1 | 0.02 | 2 | 270 | 1450 | 0.03 | 12 | 2 | 7 | 30 |
| C488954 | | <1 | 0.19 | 40 | 0.02 | 462 | 1 | 0.03 | 1 | 160 | 211 | 0.02 | <2 | 1 | 4 | 20 |
| C488955 | | 1 | 0.24 | 50 | 0.02 | 124 | 2 | 0.02 | 1 | 230 | 301 | 0.02 | <2 | 2 | 4 | 30 |
| C488956 | | <1 | 0.30 | 40 | 0.04 | 39 | 3 | 0.01 | 2 | 200 | 2850 | 0.13 | 20 | 2 | 7 | 20 |
| C488957 | | <1 | 0.33 | 50 | 0.02 | 36 | 23 | <0.01 | <1 | 110 | 3550 | 0.17 | 69 | 1 | 4 | 20 |
| C488958 | | <1 | 0.31 | 40 | 0.02 | 23 | 3 | <0.01 | 1 | 140 | 311 | 0.09 | 2 | 1 | 6 | 20 |
| C488959 | | <1 | 0.29 | 30 | 0.02 | 30 | 3 | 0.01 | 2 | 130 | 234 | 0.08 | <2 | 1 | 6 | 20 |
| C488960 | | <1 | 0.49 | 50 | 0.02 | 23 | 3 | 0.01 | 1 | 150 | 79 | 0.41 | <2 | 1 | 6 | 20 |
| C488961 | | 1 | 0.41 | 180 | 0.10 | 57 | 2 | 0.02 | 1 | 870 | 1700 | 0.29 | 11 | 3 | 41 | 40 |
| C488962 | | <1 | 0.47 | 40 | 0.03 | 26 | 1 | 0.01 | 1 | 80 | 1210 | 0.27 | 13 | 1 | 2 | 20 |
| C488963 | | 1 | 0.17 | 20 | 0.01 | 64 | 2 | 0.01 | 2 | 100 | >10000 | 0.64 | 3960 | 1 | 5 | 30 |
| C488964 | | <1 | 0.41 | 30 | 0.05 | 36 | 1 | <0.01 | 1 | 50 | 3360 | 0.13 | 243 | <1 | 3 | 20 |
| C488965 | | 1 | 0.09 | 20 | 0.01 | 31 | 3 | <0.01 | 3 | 110 | >10000 | 0.38 | 3940 | 1 | 7 | 20 |
| C488966 | | <1 | 0.26 | 40 | 0.03 | 41 | 1 | 0.02 | 1 | 80 | 678 | 0.04 | 40 | 1 | 2 | 40 |
| C488967 | | <1 | 0.33 | 50 | 0.03 | 28 | 1 | 0.01 | <1 | 170 | 2690 | 0.17 | 66 | 2 | 6 | 30 |
| C488968 | | <1 | 0.44 | 70 | 0.04 | 49 | 2 | 0.01 | 1 | 310 | 2170 | 0.36 | 27 | 2 | 6 | 40 |
| C488969 | | <1 | 0.43 | 40 | 0.03 | 32 | 3 | 0.01 | 1 | 200 | 1200 | 0.27 | 14 | 1 | 3 | 30 |
| C488970 | | <1 | 0.15 | 40 | 0.01 | 59 | 2 | 0.01 | <1 | 760 | 6450 | 0.62 | 297 | 4 | 3 | 40 |
| C488971 | | <1 | 0.43 | 90 | 0.21 | 126 | 4 | 0.03 | 2 | 370 | 1000 | 0.14 | 5 | 4 | 9 | 50 |
| C488972 | | <1 | 0.45 | 20 | 0.03 | 26 | 1 | 0.01 | 1 | 60 | 1160 | 0.35 | 9 | <1 | 1 | 30 |
| C488973 | | 1 | 0.26 | 20 | 0.02 | 43 | 2 | 0.01 | 1 | 80 | >10000 | 0.47 | 492 | 1 | 3 | 40 |
| C488974 | | <1 | 0.31 | 40 | 0.02 | 23 | 1 | <0.01 | 1 | 150 | 780 | 0.13 | 9 | <1 | 2 | 20 |
| C488975 | | 1 | 0.40 | 80 | 0.04 | 44 | 1 | 0.01 | <1 | 370 | 1760 | 0.27 | 24 | 1 | 10 | 50 |
| C488976 | | <1 | 0.10 | <10 | <0.01 | 24 | 1 | <0.01 | <1 | 70 | >10000 | 1.17 | 310 | 1 | 1 | <20 |
| C488977 | | 1 | 0.15 | 10 | <0.01 | 32 | 1 | 0.01 | <1 | 90 | >10000 | 2.49 | 2630 | 1 | 2 | 20 |
| C488978 | | <1 | 0.16 | 10 | 0.02 | 29 | 2 | <0.01 | 8 | 40 | >10000 | 0.49 | 697 | 1 | 3 | <20 |
| C488979 | | 1 | 0.01 | <10 | <0.01 | 6 | <1 | <0.01 | <1 | <10 | >10000 | >10.0 | 3730 | <1 | 4 | <20 |
| C488980 | | <1 | 0.03 | <10 | 0.01 | 11 | <1 | <0.01 | <1 | 10 | >10000 | >10.0 | 3640 | <1 | 2 | <20 |
| C488981 | | <1 | 0.01 | <10 | <0.01 | <5 | 1 | <0.01 | 1 | <10 | >10000 | >10.0 | 4100 | <1 | 7 | <20 |
| C488982 | | 1 | 0.38 | 30 | 0.01 | 25 | 5 | 0.01 | 3 | 110 | >10000 | 1.50 | 2400 | 1 | 7 | 30 |
| C488983 | | 2 | 0.01 | 10 | <0.01 | 8 | 1 | <0.01 | <1 | <10 | >10000 | >10.0 | 6110 | <1 | 21 | <20 |
| C488984 | | 1 | 0.12 | 10 | 0.01 | 25 | 1 | 0.01 | 8 | 40 | >10000 | 1.63 | 3710 | <1 | <1 | <20 |
| C488985 | | 1 | 0.19 | 10 | 0.02 | 30 | 9 | 0.01 | 7 | 290 | >10000 | 1.12 | 1295 | 2 | 1 | 20 |
| C488986 | | <1 | 0.17 | 10 | <0.01 | 27 | 120 | 0.01 | 9 | 330 | >10000 | 2.77 | 2360 | <1 | 5 | <20 |
| C488987 | | <1 | 0.13 | 10 | 0.01 | 36 | 3 | <0.01 | 3 | 40 | >10000 | 5.62 | 1595 | <1 | 3 | <20 |
| C488988 | | 1 | 0.03 | <10 | <0.01 | 17 | 1 | <0.01 | 3 | <10 | >10000 | 8.65 | >10000 | <1 | 5 | <20 |
| C488989 | | 1 | <0.01 | <10 | <0.01 | 6 | 1 | <0.01 | <1 | <10 | >10000 | >10.0 | 2820 | <1 | 4 | <20 |
| C488990 | | <1 | 0.08 | 10 | <0.01 | 46 | 6 | <0.01 | 2 | 20 | >10000 | 2.98 | 1015 | <1 | 4 | <20 |

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Project: CONNAUGHT


Finalized Date: 3-NOV-2007
Account: RCM

## CERTIFICATE OF ANALYSIS VA07103048

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Ag-OG46 | Pb-OG46 | Ag-GRA21 | Au-AA23 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn | Ag | Pb | Ag | Au |
| | Units | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 | 1 | 0.01 | 5 | 0.005 |
| C488951 | | 0.02 | <10 | <10 | 5 | <10 | 190 | | | | <0.005 |
| C488952 | | <0.01 | <10 | <10 | 3 | <10 | 239 | | | | <0.005 |
| C488953 | | <0.01 | <10 | <10 | 3 | <10 | 215 | | | | 0.014 |
| C488954 | | <0.01 | <10 | <10 | 2 | <10 | 64 | | | | <0.005 |
| C488955 | | <0.01 | <10 | <10 | 2 | <10 | 94 | | | | <0.005 |
| C488956 | | <0.01 | <10 | <10 | 3 | <10 | 64 | | | | 0.033 |
| C488957 | | <0.01 | <10 | <10 | 3 | <10 | 28 | | | | 0.020 |
| C488958 | | <0.01 | <10 | <10 | 2 | <10 | 14 | | | | <0.005 |
| C488959 | | <0.01 | <10 | <10 | 2 | <10 | 14 | | | | <0.005 |
| C488960 | | <0.01 | <10 | <10 | 2 | <10 | 6 | | | | <0.005 |
| C488961 | | 0.01 | <10 | <10 | 7 | <10 | 130 | | | | 0.006 |
| C488962 | | <0.01 | <10 | <10 | 2 | <10 | 35 | | | | <0.005 |
| C488963 | | <0.01 | <10 | 60 | 3 | <10 | 436 | 106 | 2.71 | | 1.460 |
| C488964 | | <0.01 | <10 | <10 | 3 | <10 | 52 | | | | 0.201 |
| C488965 | | <0.01 | <10 | 60 | 1 | <10 | 326 | 120 | 2.37 | | 1.540 |
| C488966 | | <0.01 | <10 | <10 | 2 | <10 | 35 | | | | 0.007 |
| C488967 | | <0.01 | <10 | <10 | 3 | <10 | 33 | | | | 0.054 |
| C488968 | | <0.01 | <10 | <10 | 4 | <10 | 34 | | | | 0.032 |
| C488969 | | <0.01 | <10 | <10 | 3 | <10 | 24 | | | | 0.017 |
| C488970 | | <0.01 | <10 | 10 | 6 | <10 | 107 | 150 | | | 1.460 |
| C488971 | | 0.04 | <10 | <10 | 13 | <10 | 110 | | | | <0.005 |
| C488972 | | <0.01 | <10 | <10 | 2 | <10 | 16 | | | | 0.007 |
| C488973 | | <0.01 | <10 | <10 | 3 | <10 | 112 | | 2.00 | | 0.178 |
| C488974 | | <0.01 | <10 | <10 | 1 | <10 | 9 | | | | <0.005 |
| C488975 | | <0.01 | <10 | <10 | 3 | <10 | 39 | | | | 0.012 |
| C488976 | | <0.01 | <10 | <10 | <1 | <10 | 116 | 211 | 1.12 | | 1.945 |
| C488977 | | <0.01 | <10 | 20 | 1 | <10 | 407 | 1230 | 15.00 | | 1.960 |
| C488978 | | 0.01 | <10 | <10 | 3 | <10 | 58 | | 4.24 | | 1.655 |
| C488979 | | <0.01 | 10 | <10 | <1 | <10 | 23 | >1500 | >20.0 | 3430 | 0.726 |
| C488980 | | <0.01 | 10 | <10 | 1 | <10 | 88 | >1500 | >20.0 | 2750 | 0.293 |
| C488981 | | <0.01 | <10 | <10 | <1 | <10 | 892 | >1500 | >20.0 | 3060 | 0.127 |
| C488982 | | <0.01 | <10 | <10 | 14 | <10 | 906 | | 8.29 | | 0.023 |
| C488983 | | <0.01 | <10 | 10 | <1 | <10 | 1070 | >1500 | >20.0 | 3100 | 0.348 |
| C488984 | | <0.01 | <10 | <10 | 4 | <10 | 900 | 500 | 10.05 | | 1.225 |
| C488985 | | <0.01 | <10 | <10 | 6 | <10 | 389 | 317 | 9.00 | | 0.998 |
| C488986 | | <0.01 | <10 | <10 | 4 | 10 | 1535 | 821 | 19.45 | | 1.505 |
| C488987 | | 0.01 | 10 | <10 | 3 | <10 | 76 | >1500 | >20.0 | 1790 | 1.120 |
| C488988 | | <0.01 | <10 | <10 | <1 | <10 | 238 | >1500 | >20.0 | 2240 | 0.280 |
| C488989 | | <0.01 | <10 | <10 | <1 | <10 | 149 | >1500 | >20.0 | 2110 | 0.790 |
| C488990 | | <0.01 | <10 | <10 | 1 | <10 | 118 | 524 | 16.30 | | 0.895 |

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Project: CONNAUGHT


Finalized Date: 3-NOV-2007
Account: RCM

## CERTIFICATE OF ANALYSIS VA07103048

| 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 |
| C488991 | | 3.81 | >100 | 0.03 | 6280 | 10 | 20 | <0.5 | 483 | 0.01 | 70.9 | 6 | 4 | 2390 | 3.14 | <10 |
| C488992 | | 1.53 | >100 | 0.10 | >10000 | <10 | 40 | <0.5 | 338 | 0.01 | 11.4 | 4 | 3 | 1270 | 9.41 | <10 |
| C488993 | | 1.66 | >100 | 0.22 | >10000 | <10 | 40 | <0.5 | 31 | 0.01 | 3.9 | 3 | 51 | 270 | 3.67 | <10 |
| C488994 | | 2.99 | >100 | 0.01 | 1485 | <10 | 10 | <0.5 | 544 | <0.01 | 53.8 | <1 | 1 | 3000 | 0.97 | <10 |
| C488995 | | 1.24 | >100 | 0.11 | >10000 | <10 | 30 | <0.5 | 43 | 0.01 | 40.7 | 1 | 43 | 587 | 4.80 | <10 |
| C488996 | | 1.02 | 67.2 | 0.28 | 4320 | <10 | 30 | <0.5 | 27 | 0.04 | 2.3 | 6 | 53 | 176 | 1.80 | <10 |
| C488997 | | 3.00 | >100 | 0.18 | >10000 | <10 | 30 | <0.5 | 73 | 0.02 | 15.1 | 3 | 3 | 1110 | 13.00 | <10 |
| C488998 | | 1.50 | >100 | 0.19 | >10000 | <10 | 30 | <0.5 | 267 | 0.01 | 12.6 | 1 | 9 | 1160 | 13.1 | <10 |
| C488999 | | 1.64 | 81.7 | 2.11 | 5040 | <10 | 40 | 3.2 | 17 | 0.06 | 55.6 | 1 | 8 | 201 | 5.05 | 10 |
| C489000 | | 1.15 | 21.5 | 0.79 | >10000 | 10 | 70 | 1.0 | 15 | 0.04 | 36.1 | 1 | 32 | 376 | 5.42 | <10 |
| C491025 | | 2.98 | 6.7 | 0.57 | 771 | <10 | 30 | 1.3 | 3 | 0.03 | 2.0 | 1 | 34 | 80 | 1.66 | <10 |
| C491026 | | 3.12 | >100 | 0.51 | >10000 | <10 | 90 | 0.9 | 174 | 0.02 | 10.6 | 4 | 5 | 8270 | 8.05 | <10 |
| C491027 | | 2.33 | 15.1 | 0.63 | 1030 | <10 | 70 | 1.0 | <2 | 0.06 | 4.2 | 3 | 27 | 251 | 1.73 | <10 |
| C491028 | | 2.53 | 0.8 | 0.68 | 74 | <10 | 100 | 1.3 | <2 | 0.08 | <0.5 | 3 | 28 | 12 | 2.84 | 10 |
| C491029 | | 3.66 | 1.0 | 0.70 | 285 | <10 | 60 | 1.4 | 2 | 0.09 | 0.5 | 2 | 23 | 7 | 2.19 | 10 |
| C491030 | | 3.19 | 1.1 | 0.42 | 202 | <10 | 90 | 0.8 | 2 | 0.09 | <0.5 | 1 | 3 | 5 | 1.79 | <10 |
| C491031 | | 3.66 | 0.4 | 0.40 | 36 | <10 | 90 | 0.5 | <2 | 0.07 | <0.5 | 1 | 21 | 3 | 1.86 | <10 |
| C491032 | | 2.20 | 0.8 | 0.42 | 38 | <10 | 70 | 0.6 | <2 | 0.03 | <0.5 | 1 | 3 | 4 | 2.11 | <10 |
| C491033 | | 2.94 | 0.6 | 0.20 | 68 | <10 | 70 | <0.5 | <2 | 0.01 | <0.5 | 1 | 41 | 2 | 1.11 | <10 |
| C491034 | | 3.19 | 0.8 | 0.35 | 51 | <10 | 140 | 0.5 | 2 | 0.02 | <0.5 | <1 | 4 | 2 | 1.77 | <10 |
| C491035 | | 2.46 | 0.3 | 0.39 | 19 | <10 | 100 | 0.6 | 2 | 0.02 | <0.5 | 1 | 23 | 2 | 1.48 | <10 |
| C491036 | | 2.18 | 0.5 | 0.25 | 24 | <10 | 160 | <0.5 | <2 | 0.01 | <0.5 | 1 | 4 | 3 | 2.07 | <10 |
| C491037 | | 2.02 | 0.2 | 1.20 | 17 | <10 | 140 | 1.5 | 12 | 0.03 | <0.5 | 1 | 22 | 11 | 3.59 | 10 |
| C491038 | | 1.65 | 0.5 | 0.99 | 15 | <10 | 110 | 1.6 | 15 | 0.02 | <0.5 | 2 | 14 | 23 | 3.62 | <10 |
| C491039 | | 2.16 | <0.2 | 0.59 | 2 | <10 | 100 | 1.0 | <2 | 0.03 | <0.5 | 1 | 20 | 6 | 1.58 | <10 |
| C491040 | | 2.49 | 0.3 | 0.43 | 13 | <10 | 60 | 0.8 | <2 | 0.03 | <0.5 | <1 | 3 | 14 | 2.33 | <10 |
| C491041 | | 2.33 | 1.3 | 0.41 | 94 | <10 | 120 | 0.6 | 3 | 0.04 | <0.5 | 1 | 25 | 21 | 2.39 | <10 |
| C491042 | | 2.37 | 6.5 | 0.46 | 647 | 10 | 270 | <0.5 | <2 | 0.05 | <0.5 | 1 | 4 | 72 | 2.15 | <10 |
| C491043 | | 2.24 | 3.5 | 0.47 | 990 | <10 | 60 | 0.6 | <2 | 0.04 | 0.7 | 1 | 24 | 50 | 1.56 | <10 |
| C491044 | | 2.12 | 0.6 | 0.38 | 34 | <10 | 40 | 1.0 | <2 | 0.02 | <0.5 | 1 | 5 | 63 | 1.84 | <10 |
| C491045 | | 2.27 | 1.6 | 0.46 | 235 | <10 | 40 | 1.8 | <2 | 0.02 | 0.8 | 1 | 22 | 40 | 2.37 | <10 |
| C491046 | | 2.06 | 3.0 | 0.49 | 1050 | <10 | 50 | 0.8 | <2 | 0.02 | 1.0 | 1 | 3 | 57 | 1.65 | <10 |
| C491047 | | 2.61 | 3.3 | 0.45 | 575 | <10 | 50 | 0.7 | 4 | 0.01 | 1.2 | 1 | 25 | 55 | 1.90 | <10 |
| C491048 | | 2.18 | 0.6 | 0.49 | 40 | <10 | 30 | 0.7 | <2 | 0.02 | 0.7 | 1 | 5 | 18 | 1.45 | <10 |
| C491049 | | 2.21 | 0.3 | 0.64 | 27 | <10 | 30 | 0.9 | <2 | 0.03 | 0.8 | 2 | 22 | 19 | 1.63 | <10 |
| C491050 | | 2.40 | 0.4 | 0.65 | 61 | <10 | 30 | 0.9 | 2 | 0.04 | 0.5 | 2 | 4 | 23 | 2.08 | <10 |
| C491158 | | 4.73 | >100 | 0.23 | 8560 | <10 | 30 | <0.5 | 17 | 0.01 | >1000 | <1 | 15 | 1420 | 1.67 | 10 |
| C491159 | | 3.43 | >100 | 0.25 | >10000 | <10 | 70 | <0.5 | 28 | <0.01 | 345 | <1 | 3 | 684 | 3.64 | 10 |
| C491160 | | 3.10 | 37.7 | 1.38 | 1190 | <10 | 160 | 2.3 | 5 | 0.10 | 38.1 | 3 | 28 | 108 | 3.66 | 10 |
| C491161 | | 3.34 | 11.6 | 1.98 | 507 | <10 | 130 | 2.8 | 2 | 0.10 | 17.3 | 4 | 10 | 89 | 4.36 | 10 |

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Finalized Date: 3-NOV-2007
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Project: CONNAUGHT

## CERTIFICATE OF ANALYSIS VA07103048

| 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 |
| C488991 | | <1 | 0.07 | <10 | 0.01 | 12 | <1 | <0.01 | 5 | <10 | >10000 | >10.0 | 4640 | <1 | 4 | <20 |
| C488992 | | <1 | 0.31 | 10 | 0.01 | 64 | 1 | 0.01 | 5 | 40 | >10000 | 4.02 | 663 | <1 | 3 | <20 |
| C488993 | | <1 | 0.26 | 10 | 0.01 | 30 | 3 | 0.01 | 7 | 40 | >10000 | 0.91 | 442 | 1 | <1 | <20 |
| C488994 | | <1 | <0.01 | <10 | <0.01 | 7 | <1 | <0.01 | 1 | <10 | >10000 | >10.0 | 3450 | <1 | 1 | <20 |
| C488995 | | 1 | 0.14 | 10 | 0.01 | 41 | 2 | 0.01 | 2 | 40 | >10000 | 1.16 | 3980 | <1 | 1 | <20 |
| C488996 | | 1 | 0.16 | 10 | 0.04 | 68 | 5 | 0.01 | 5 | 110 | >10000 | 0.28 | 220 | 1 | 3 | <20 |
| C488997 | | 1 | 0.16 | 40 | <0.01 | 33 | 50 | 0.01 | 3 | 170 | >10000 | 0.95 | 1205 | <1 | 18 | <20 |
| C488998 | | 2 | 0.22 | 30 | 0.01 | 26 | 56 | 0.01 | 3 | 400 | >10000 | 1.44 | 899 | <1 | 13 | <20 |
| C488999 | | <1 | 0.58 | 20 | 0.17 | 517 | 2 | 0.01 | 3 | 980 | 3990 | 0.68 | 280 | 4 | 12 | 20 |
| C489000 | | 1 | 0.75 | 20 | 0.05 | 144 | 2 | 0.01 | 1 | 1170 | 3170 | 1.23 | 159 | 2 | 8 | 20 |
| C491025 | | <1 | 0.34 | 50 | 0.03 | 70 | 14 | <0.01 | 1 | 220 | 3220 | 0.03 | 20 | 1 | 4 | 40 |
| C491026 | | <1 | 0.12 | 60 | 0.02 | 44 | 13 | 0.01 | 3 | 190 | >10000 | 2.42 | 546 | 1 | 22 | <20 |
| C491027 | | 1 | 0.30 | 70 | 0.04 | 2220 | 10 | <0.01 | 1 | 350 | 5700 | 0.02 | 46 | 1 | 7 | 30 |
| C491028 | | <1 | 0.19 | 110 | 0.09 | 95 | 3 | 0.09 | 2 | 400 | 130 | 0.21 | 3 | 2 | 11 | 30 |
| C491029 | | <1 | 0.16 | 60 | 0.10 | 57 | 3 | 0.04 | 1 | 340 | 161 | 0.06 | 4 | 3 | 10 | 30 |
| C491030 | | <1 | 0.25 | 50 | 0.05 | 40 | 2 | 0.01 | 1 | 250 | 154 | 0.18 | 2 | 1 | 10 | 20 |
| C491031 | | 1 | 0.29 | 20 | 0.04 | 29 | 2 | 0.01 | 2 | 220 | 43 | 0.24 | <2 | 1 | 9 | 20 |
| C491032 | | <1 | 0.28 | 30 | 0.02 | 77 | 2 | 0.02 | 1 | 260 | 94 | 0.20 | 2 | 2 | 7 | 20 |
| C491033 | | <1 | 0.25 | 20 | 0.01 | 24 | 2 | 0.01 | 1 | 70 | 51 | 0.27 | <2 | <1 | 3 | <20 |
| C491034 | | <1 | 0.41 | 40 | 0.02 | 32 | 3 | <0.01 | 1 | 240 | 105 | 0.39 | <2 | 1 | 7 | 20 |
| C491035 | | 1 | 0.29 | 60 | 0.02 | 19 | 3 | 0.03 | 1 | 280 | 24 | 0.25 | <2 | 2 | 6 | 30 |
| C491036 | | <1 | 0.38 | 70 | 0.01 | 27 | 2 | 0.04 | <1 | 380 | 49 | 0.49 | <2 | 1 | 9 | 30 |
| C491037 | | <1 | 0.29 | 40 | 0.27 | 90 | 5 | 0.04 | 7 | 710 | 40 | 0.17 | <2 | 3 | 21 | 20 |
| C491038 | | <1 | 0.25 | 30 | 0.21 | 98 | 5 | 0.03 | 6 | 860 | 135 | 0.14 | <2 | 2 | 15 | 20 |
| C491039 | | <1 | 0.26 | 50 | 0.12 | 39 | 3 | 0.03 | 3 | 440 | 21 | 0.12 | <2 | 2 | 13 | 20 |
| C491040 | | <1 | 0.24 | 40 | 0.02 | 27 | 3 | 0.02 | <1 | 440 | 44 | 0.08 | <2 | 2 | 6 | 30 |
| C491041 | | <1 | 0.42 | 40 | 0.03 | 21 | 3 | 0.01 | <1 | 440 | 656 | 0.39 | <2 | 1 | 8 | 30 |
| C491042 | | <1 | 0.53 | 50 | 0.03 | 27 | 1 | 0.01 | 1 | 350 | 4260 | 0.63 | 45 | 1 | 8 | 20 |
| C491043 | | <1 | 0.26 | 70 | 0.04 | 43 | 2 | 0.04 | <1 | 230 | 1440 | 0.17 | 6 | 2 | 6 | 30 |
| C491044 | | <1 | 0.19 | 40 | 0.02 | 46 | 2 | 0.02 | 1 | 250 | 224 | 0.06 | <2 | 1 | 5 | 20 |
| C491045 | | 1 | 0.31 | 80 | 0.02 | 33 | 3 | <0.01 | 2 | 340 | 568 | 0.07 | 4 | 2 | 5 | 30 |
| C491046 | | <1 | 0.30 | 40 | 0.02 | 26 | 3 | <0.01 | <1 | 250 | 423 | 0.14 | 3 | 1 | 8 | 20 |
| C491047 | | <1 | 0.27 | 40 | 0.02 | 257 | 2 | 0.02 | 1 | 310 | 1790 | 0.13 | 4 | 1 | 5 | 20 |
| C491048 | | <1 | 0.15 | 40 | 0.03 | 319 | 1 | 0.03 | 2 | 220 | 113 | 0.03 | <2 | 1 | 6 | 20 |
| C491049 | | <1 | 0.14 | 40 | 0.06 | 495 | 2 | 0.02 | 2 | 210 | 37 | <0.01 | <2 | 1 | 5 | 20 |
| C491050 | | <1 | 0.14 | 60 | 0.06 | 239 | 1 | 0.03 | <1 | 320 | 33 | 0.01 | 3 | 2 | 8 | 30 |
| C491158 | | 5 | 0.11 | 10 | 0.01 | 21 | 4 | <0.01 | 1 | 160 | >10000 | 6.02 | >10000 | 2 | 11 | <20 |
| C491159 | | 3 | 0.16 | 10 | <0.01 | 26 | 4 | <0.01 | <1 | 40 | >10000 | 4.64 | 4120 | 1 | 12 | <20 |
| C491160 | | <1 | 0.53 | 30 | 0.33 | 179 | 2 | 0.02 | 4 | 860 | 4500 | 0.35 | 232 | 4 | 23 | <20 |
| C491161 | | 1 | 0.53 | 30 | 0.62 | 247 | 2 | 0.02 | 6 | 700 | 2050 | 0.17 | 163 | 6 | 15 | 20 |

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: CONNAUGHT



# CERTIFICATE OF ANALYSIS VA07103048

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Ag-OG46 | Pb-OG46 | Ag-GRA21 | Au-AA23 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn | Ag | Pb | Ag | Au |
| | Units | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 | 1 | 0.01 | 5 | 0.005 |
| C488991 | | <0.01 | <10 | <10 | 1 | <10 | 271 | >1500 | >20.0 | 2660 | 0.665 |
| C488992 | | <0.01 | <10 | <10 | 2 | <10 | 193 | 656 | >20.0 | | 5.23 |
| C488993 | | 0.01 | <10 | <10 | 2 | <10 | 181 | 216 | 4.93 | | 0.520 |
| C488994 | | <0.01 | <10 | <10 | <1 | <10 | 1160 | >1500 | >20.0 | 3190 | 0.338 |
| C488995 | | <0.01 | <10 | <10 | 2 | <10 | 173 | 376 | 16.60 | | 1.500 |
| C488996 | | 0.01 | <10 | <10 | 5 | <10 | 155 | | 1.52 | | 0.265 |
| C488997 | | <0.01 | <10 | <10 | 1 | <10 | 497 | 361 | 6.07 | | 5.81 |
| C488998 | | <0.01 | <10 | <10 | 2 | <10 | 308 | 513 | 12.90 | | 3.67 |
| C488999 | | <0.01 | <10 | <10 | 27 | <10 | 1330 | | | | 0.042 |
| C489000 | | <0.01 | <10 | <10 | 12 | <10 | 455 | | | | 0.116 |
| C491025 | | <0.01 | <10 | 10 | 3 | <10 | 160 | | | | 0.005 |
| C491026 | | <0.01 | <10 | 10 | 3 | <10 | 222 | 479 | 8.81 | | 1.505 |
| C491027 | | <0.01 | <10 | 10 | 3 | <10 | 367 | | | | 0.006 |
| C491028 | | 0.01 | <10 | <10 | 9 | <10 | 68 | | | | <0.005 |
| C491029 | | <0.01 | <10 | <10 | 7 | <10 | 73 | | | | <0.005 |
| C491030 | | <0.01 | <10 | <10 | 2 | <10 | 66 | | | | <0.005 |
| C491031 | | <0.01 | <10 | <10 | 2 | <10 | 67 | | | | <0.005 |
| C491032 | | <0.01 | <10 | <10 | 2 | <10 | 95 | | | | <0.005 |
| C491033 | | <0.01 | <10 | <10 | 1 | <10 | 8 | | | | 0.005 |
| C491034 | | <0.01 | <10 | <10 | 1 | <10 | 26 | | | | <0.005 |
| C491035 | | <0.01 | <10 | <10 | 2 | <10 | 24 | | | | <0.005 |
| C491036 | | <0.01 | <10 | <10 | 1 | <10 | 12 | | | | <0.005 |
| C491037 | | 0.02 | <10 | 10 | 37 | <10 | 111 | | | | 0.025 |
| C491038 | | 0.01 | <10 | <10 | 33 | <10 | 162 | | | | <0.005 |
| C491039 | | 0.01 | <10 | <10 | 16 | <10 | 82 | | | | <0.005 |
| C491040 | | <0.01 | <10 | <10 | 2 | <10 | 39 | | | | <0.005 |
| C491041 | | <0.01 | <10 | <10 | 2 | <10 | 43 | | | | <0.005 |
| C491042 | | <0.01 | <10 | <10 | 2 | <10 | 85 | | | | 0.005 |
| C491043 | | <0.01 | <10 | <10 | 4 | <10 | 225 | | | | 0.011 |
| C491044 | | <0.01 | <10 | <10 | 2 | <10 | 402 | | | | <0.005 |
| C491045 | | <0.01 | <10 | <10 | 2 | <10 | 313 | | | | <0.005 |
| C491046 | | <0.01 | <10 | <10 | 1 | <10 | 50 | | | | 0.104 |
| C491047 | | <0.01 | <10 | <10 | 1 | <10 | 64 | | | | 0.020 |
| C491048 | | <0.01 | <10 | <10 | 3 | <10 | 150 | | | | <0.005 |
| C491049 | | <0.01 | <10 | <10 | 3 | <10 | 157 | | | | <0.005 |
| C491050 | | 0.01 | <10 | <10 | 6 | <10 | 93 | | | | <0.005 |
| C491158 | | <0.01 | <10 | 10 | 3 | <10 | 604 | >1500 | >20.0 | 1880 | <0.005 |
| C491159 | | <0.01 | 10 | 20 | 3 | <10 | 626 | >1500 | >20.0 | 1565 | <0.005 |
| C491160 | | 0.07 | <10 | <10 | 33 | 140 | 833 | | | | 0.012 |
| C491161 | | 0.04 | <10 | <10 | 22 | <10 | 1180 | | | | 0.005 |

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VANCOUVER BC V6B 1L8

Project: CONNAUGHT


Finalized Date: 3-NOV-2007
Account: RCM

# CERTIFICATE OF ANALYSIS VA07103048

| 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 |
| C491162 | | 1.83 | 1.5 | 1.23 | 70 | <10 | 90 | 0.8 | <2 | 0.26 | 9.6 | 4 | 24 | 145 | 1.97 | 10 |
| C491163 | | 1.76 | 1.6 | 0.93 | 57 | <10 | 100 | 0.6 | <2 | 0.23 | 7.4 | 5 | 7 | 97 | 1.43 | <10 |
| C491164 | | 1.61 | 0.5 | 1.03 | 41 | <10 | 80 | 0.6 | <2 | 0.36 | 7.9 | 6 | 20 | 132 | 1.60 | <10 |
| C491165 | | 1.52 | 0.6 | 4.46 | 58 | <10 | 440 | 1.2 | 3 | 0.83 | 13.4 | 17 | 8 | 164 | 6.81 | 20 |
| C491166 | | 3.48 | 1.0 | 2.11 | 253 | <10 | 110 | 1.2 | <2 | 0.43 | 13.5 | 5 | 22 | 201 | 3.50 | 10 |
| C491167 | | 1.20 | 5.6 | 1.12 | 615 | <10 | 50 | 1.2 | <2 | 0.23 | 12.3 | 1 | 7 | 122 | 2.93 | <10 |
| C491168 | | 1.79 | 30.0 | 0.42 | >10000 | <10 | 20 | <0.5 | 39 | 0.04 | 11.4 | <1 | 23 | 959 | 6.55 | <10 |
| C491169 | | 1.29 | 24.8 | 0.43 | >10000 | <10 | 10 | <0.5 | 64 | 0.04 | 15.5 | 3 | 2 | 937 | 14.1 | <10 |
| C491170 | | 2.70 | 0.5 | 0.06 | 161 | <10 | 10 | <0.5 | <2 | 20.0 | <0.5 | 1 | 1 | 5 | 0.41 | <10 |
| C491171 | | 4.06 | 8.3 | 0.56 | >10000 | <10 | 20 | <0.5 | 5 | 0.15 | 12.9 | 2 | 5 | 116 | 3.41 | <10 |
| C491172 | | 2.17 | 1.8 | 0.93 | 3660 | <10 | 30 | 0.9 | <2 | 0.31 | 32.0 | 2 | 22 | 20 | 2.23 | <10 |
| C491173 | | 3.08 | 0.4 | 1.31 | 268 | <10 | 80 | 0.7 | <2 | 0.33 | 11.9 | 5 | 11 | 13 | 2.41 | 10 |
| C491174 | | 2.94 | 0.3 | 1.38 | 55 | <10 | 160 | 0.5 | <2 | 0.38 | 2.5 | 6 | 26 | 9 | 2.58 | 10 |
| C491175 | | 1.58 | 0.7 | 1.31 | 281 | <10 | 50 | 0.6 | <2 | 0.36 | 17.9 | 11 | 13 | 51 | 3.13 | 10 |
| C491176 | | 4.17 | 0.3 | 1.23 | 48 | <10 | 70 | 0.8 | <2 | 0.29 | 6.4 | 5 | 29 | 10 | 2.24 | 10 |
| C491177 | | 1.83 | 0.6 | 3.11 | 46 | <10 | 10 | 1.3 | <2 | 0.22 | 6.4 | 14 | 8 | 18 | 9.02 | 20 |
| C491178 | | 4.66 | 1.0 | 0.97 | 21 | <10 | 30 | 1.1 | <2 | 0.16 | 3.3 | 11 | 20 | 6 | 2.10 | <10 |
| C491179 | | 1.94 | 0.2 | 1.04 | 19 | <10 | 30 | 0.7 | <2 | 0.27 | 3.2 | 18 | 9 | 2 | 1.99 | 10 |
| C491180 | | 1.84 | 0.2 | 0.57 | 23 | <10 | 30 | <0.5 | <2 | 0.20 | <0.5 | 4 | 31 | 12 | 1.26 | <10 |
| C491181 | | 4.66 | 0.3 | 4.10 | 23 | <10 | 450 | 1.7 | 3 | 0.96 | <0.5 | 16 | 21 | 27 | 5.44 | 20 |
| C491182 | | 2.09 | 0.2 | 1.33 | 20 | <10 | 110 | 0.7 | <2 | 0.40 | <0.5 | 5 | 9 | 7 | 1.97 | <10 |
| C491183 | | 1.45 | <0.2 | 0.94 | 8 | <10 | 60 | 1.2 | <2 | 0.26 | 8.4 | 4 | 8 | 86 | 1.62 | 10 |
| C491184 | | 1.80 | 0.4 | 0.95 | 15 | <10 | 40 | 0.5 | <2 | 0.23 | 2.1 | 4 | 8 | 99 | 1.50 | <10 |
| C491185 | | 1.60 | 10.8 | 0.64 | >10000 | <10 | 30 | 0.7 | 4 | 0.04 | 7.4 | <1 | 4 | 80 | 3.39 | <10 |
| C491186 | | 1.01 | 18.8 | 0.58 | >10000 | <10 | 120 | 0.5 | 17 | 0.01 | 3.0 | <1 | 2 | 104 | 4.32 | <10 |
| C491187 | | 2.54 | 3.5 | 0.83 | 8220 | <10 | 50 | <0.5 | 6 | 0.07 | 6.7 | 2 | 6 | 491 | 2.42 | <10 |
| C491188 | | 4.13 | 1.1 | 0.89 | 694 | <10 | 40 | 0.9 | 2 | 0.12 | 6.4 | 1 | 6 | 22 | 1.72 | <10 |
| C491189 | | 3.12 | 0.5 | 1.04 | 988 | <10 | 60 | 0.5 | 2 | 0.10 | 2.1 | 2 | 6 | 32 | 1.82 | <10 |
| C491190 | | 1.91 | 6.1 | 0.60 | >10000 | <10 | 40 | <0.5 | 9 | 0.07 | 1.1 | 1 | 5 | 84 | 3.15 | <10 |
| C491191 | | 3.23 | <0.2 | 1.03 | 330 | <10 | 50 | 0.7 | 2 | 0.22 | 5.1 | 3 | 9 | 13 | 2.03 | 10 |
| C491192 | | 1.97 | 0.6 | 1.18 | 211 | <10 | 30 | 0.7 | 2 | 0.19 | 4.7 | 4 | 7 | 22 | 2.33 | 10 |
| C491193 | | 1.38 | <0.2 | 1.29 | 18 | <10 | 30 | 1.2 | <2 | 0.29 | 0.9 | 4 | 6 | 2 | 2.89 | 10 |
| C491194 | | 2.90 | 93.2 | 0.68 | >10000 | <10 | 60 | 0.6 | 21 | 0.01 | 48.8 | <1 | 5 | 377 | 3.35 | 10 |
| C491195 | | 1.34 | 7.9 | 1.00 | 2890 | <10 | 80 | 0.8 | 12 | 0.01 | 10.0 | <1 | 2 | 123 | 2.54 | <10 |
| C491196 | | 3.24 | 4.7 | 0.55 | 826 | <10 | 60 | 0.8 | 18 | <0.01 | 10.0 | <1 | 3 | 82 | 2.67 | <10 |
| C491197 | | 2.31 | 2.2 | 0.12 | 295 | <10 | 10 | <0.5 | 5 | 0.03 | 1.1 | <1 | 14 | 32 | 0.77 | <10 |
| C491198 | | 1.67 | >100 | 0.43 | >10000 | <10 | 30 | <0.5 | 9 | <0.01 | 89.4 | <1 | 9 | 330 | 2.03 | 10 |
| C491199 | | 1.74 | >100 | 0.40 | 5280 | <10 | 20 | <0.5 | 9 | 0.01 | 254 | <1 | 3 | 309 | 2.54 | 10 |
| C491200 | | 1.05 | >100 | 0.54 | >10000 | <10 | 30 | 0.7 | 6 | 0.01 | 65.9 | <1 | 4 | 1615 | 3.64 | <10 |
| C491556 | | 3.60 | 25.2 | 1.38 | 9720 | <10 | 40 | 1.6 | 19 | 0.06 | 29.9 | <1 | 4 | 147 | 4.62 | 10 |

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Project: CONNAUGHT


Finalized Date: 3-NOV-2007
Account: RCM

## CERTIFICATE OF ANALYSIS VA07103048

| 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 |
| C491162 | | 1 | 0.51 | 30 | 0.57 | 226 | 1 | 0.04 | 5 | 900 | 222 | <0.01 | 20 | 3 | 8 | 20 |
| C491163 | | <1 | 0.35 | 30 | 0.36 | 250 | 3 | 0.04 | 3 | 810 | 204 | 0.01 | 8 | 1 | 8 | 20 |
| C491164 | | <1 | 0.34 | 30 | 0.46 | 385 | 5 | 0.04 | 3 | 890 | 65 | 0.11 | 2 | 2 | 8 | 20 |
| C491165 | | <1 | 2.90 | 20 | 2.34 | 663 | 4 | 0.04 | 7 | 2930 | 48 | 0.09 | <2 | 18 | 23 | 20 |
| C491166 | | <1 | 0.61 | 30 | 0.77 | 533 | 5 | 0.04 | 5 | 1250 | 155 | 0.35 | 6 | 5 | 14 | 20 |
| C491167 | | <1 | 0.38 | 30 | 0.20 | 169 | 10 | 0.02 | 3 | 700 | 1570 | 0.52 | 3 | 1 | 11 | 20 |
| C491168 | | 1 | 0.52 | 10 | 0.02 | 33 | 54 | 0.07 | <1 | 760 | 4780 | 2.74 | 60 | 1 | 3 | <20 |
| C491169 | | <1 | 0.29 | <10 | 0.02 | 53 | 2 | 0.01 | 3 | 390 | 1170 | >10.0 | 95 | 1 | 2 | <20 |
| C491170 | | <1 | 0.02 | <10 | 12.50 | 182 | <1 | 0.01 | <1 | 230 | 22 | <0.01 | <2 | <1 | 65 | <20 |
| C491171 | | 1 | 0.41 | 10 | 0.04 | 46 | 2 | 0.01 | 3 | 610 | 2780 | 2.68 | 13 | 1 | 2 | <20 |
| C491172 | | <1 | 0.37 | 30 | 0.20 | 154 | 1 | 0.03 | 3 | 800 | 822 | 0.45 | 7 | 2 | 8 | 20 |
| C491173 | | <1 | 0.48 | 20 | 0.49 | 240 | 1 | 0.05 | 4 | 940 | 73 | 0.15 | 2 | 4 | 11 | 20 |
| C491174 | | <1 | 0.61 | 20 | 0.58 | 639 | 1 | 0.05 | 5 | 890 | 29 | 0.17 | 2 | 4 | 10 | 20 |
| C491175 | | <1 | 0.45 | 20 | 0.63 | 387 | 1 | 0.05 | 7 | 930 | 198 | 0.26 | 2 | 5 | 8 | 20 |
| C491176 | | <1 | 0.40 | 30 | 0.47 | 650 | 1 | 0.05 | 8 | 970 | 87 | 0.03 | <2 | 3 | 8 | 20 |
| C491177 | | <1 | 0.20 | 30 | 1.17 | 2220 | 2 | 0.02 | 11 | 280 | 587 | 0.44 | 6 | 21 | 7 | <20 |
| C491178 | | 1 | 0.23 | 40 | 0.16 | 925 | 1 | 0.02 | 5 | 530 | 538 | 0.02 | <2 | 2 | 6 | 20 |
| C491179 | | <1 | 0.25 | 40 | 0.41 | 741 | 1 | 0.07 | 6 | 890 | 37 | <0.01 | <2 | 4 | 9 | 20 |
| C491180 | | <1 | 0.15 | 10 | 0.19 | 91 | 1 | 0.03 | 4 | 560 | 17 | 0.10 | <2 | 2 | 7 | <20 |
| C491181 | | 1 | 2.03 | 20 | 2.03 | 348 | 4 | 0.09 | 10 | 1510 | 20 | 0.24 | <2 | 13 | 46 | 20 |
| C491182 | | <1 | 0.46 | 20 | 0.59 | 167 | 1 | 0.05 | 4 | 860 | 9 | 0.02 | 2 | 3 | 13 | 20 |
| C491183 | | <1 | 0.40 | 40 | 0.24 | 519 | <1 | 0.04 | 6 | 760 | 8 | <0.01 | <2 | 2 | 9 | 20 |
| C491184 | | <1 | 0.31 | 40 | 0.18 | 598 | 1 | 0.04 | 3 | 770 | 91 | 0.07 | <2 | 2 | 11 | 20 |
| C491185 | | <1 | 0.44 | 20 | 0.03 | 59 | 27 | 0.09 | <1 | 840 | 8690 | 0.66 | 35 | 1 | 16 | 20 |
| C491186 | | <1 | 0.61 | 20 | 0.02 | 54 | 26 | 0.05 | <1 | 970 | 8820 | 0.99 | 66 | 1 | 6 | 20 |
| C491187 | | 1 | 0.52 | 30 | 0.14 | 84 | 1 | 0.03 | 2 | 430 | 897 | 0.84 | 6 | 1 | 5 | 20 |
| C491188 | | <1 | 0.31 | 30 | 0.12 | 130 | 3 | 0.03 | 2 | 650 | 261 | 0.20 | 2 | 1 | 6 | 20 |
| C491189 | | <1 | 0.37 | 20 | 0.12 | 127 | <1 | 0.05 | 2 | 440 | 150 | 0.36 | <2 | 1 | 7 | 20 |
| C491190 | | <1 | 0.56 | 20 | 0.04 | 59 | 2 | 0.05 | 2 | 370 | 667 | 1.14 | 6 | 1 | 3 | <20 |
| C491191 | | <1 | 0.44 | 30 | 0.24 | 278 | <1 | 0.04 | 3 | 790 | 24 | 0.07 | <2 | 2 | 7 | 20 |
| C491192 | | <1 | 0.33 | 40 | 0.27 | 1020 | <1 | 0.03 | 4 | 800 | 281 | 0.01 | 3 | 2 | 5 | 20 |
| C491193 | | <1 | 0.23 | 50 | 0.45 | 550 | <1 | 0.04 | 3 | 820 | 93 | 0.01 | <2 | 2 | 8 | 20 |
| C491194 | | <1 | 0.56 | 10 | 0.06 | 55 | 4 | 0.01 | 1 | 780 | >10000 | 0.87 | 611 | 2 | 2 | <20 |
| C491195 | | <1 | 0.48 | 30 | 0.11 | 137 | 1 | 0.01 | <1 | 400 | 1050 | 0.65 | 74 | 2 | 3 | <20 |
| C491196 | | <1 | 0.32 | 30 | 0.04 | 42 | 1 | 0.01 | 1 | 300 | 200 | 0.41 | 23 | 1 | 2 | 20 |
| C491197 | | <1 | 0.07 | 10 | 0.01 | 33 | 1 | <0.01 | 4 | 220 | 903 | 0.10 | 12 | <1 | 1 | <20 |
| C491198 | | <1 | 0.30 | 10 | 0.02 | 29 | 21 | 0.01 | 1 | 110 | >10000 | 0.79 | 933 | 1 | 2 | <20 |
| C491199 | | <1 | 0.37 | 20 | 0.02 | 39 | 18 | 0.01 | 1 | 100 | >10000 | 2.18 | 2340 | <1 | 3 | <20 |
| C491200 | | <1 | 0.20 | 20 | 0.02 | 55 | 13 | 0.02 | <1 | 560 | >10000 | 0.84 | 713 | 2 | 8 | <20 |
| C491556 | | <1 | 0.48 | 30 | 0.09 | 238 | 2 | 0.03 | <1 | 990 | 2290 | 0.96 | 138 | 4 | 8 | 30 |

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VANCOUVER BC V6B 1L8

Project: CONNAUGHT


Finalized Date: 3-NOV-2007
Account: RCM

## CERTIFICATE OF ANALYSIS VA07103048

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Ag-OG46 | Pb-OG46 | Ag-GRA21 | Au-AA23 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn | Ag | Pb | Ag | Au |
| | Units | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 | 1 | 0.01 | 5 | 0.005 |
| C491162 | | 0.12 | <10 | <10 | 24 | <10 | 803 | | | | <0.005 |
| C491163 | | 0.06 | <10 | <10 | 8 | <10 | 420 | | | | <0.005 |
| C491164 | | 0.06 | <10 | <10 | 16 | <10 | 488 | | | | <0.005 |
| C491165 | | 0.73 | <10 | <10 | 202 | <10 | 1560 | | | | <0.005 |
| C491166 | | 0.11 | <10 | <10 | 36 | <10 | 1295 | | | | <0.005 |
| C491167 | | 0.02 | <10 | <10 | 8 | <10 | 716 | | | | 0.005 |
| C491168 | | <0.01 | <10 | <10 | 3 | <10 | 160 | | | | 0.674 |
| C491169 | | <0.01 | <10 | <10 | 2 | <10 | 272 | | | | 2.43 |
| C491170 | | <0.01 | <10 | 20 | 1 | <10 | 15 | | | | <0.005 |
| C491171 | | <0.01 | <10 | <10 | 3 | <10 | 219 | | | | 0.060 |
| C491172 | | 0.02 | <10 | <10 | 5 | <10 | 613 | | | | 0.006 |
| C491173 | | 0.11 | <10 | <10 | 27 | <10 | 655 | | | | <0.005 |
| C491174 | | 0.12 | <10 | <10 | 30 | <10 | 646 | | | | <0.005 |
| C491175 | | 0.11 | <10 | <10 | 34 | <10 | 918 | | | | 0.009 |
| C491176 | | 0.08 | <10 | <10 | 18 | <10 | 1285 | | | | <0.005 |
| C491177 | | 0.01 | <10 | <10 | 70 | 260 | 860 | | | | 0.007 |
| C491178 | | <0.01 | <10 | <10 | 5 | <10 | 666 | | | | <0.005 |
| C491179 | | 0.03 | <10 | <10 | 14 | <10 | 378 | | | | <0.005 |
| C491180 | | 0.04 | <10 | <10 | 9 | <10 | 17 | | | | <0.005 |
| C491181 | | 0.40 | <10 | <10 | 147 | <10 | 47 | | | | <0.005 |
| C491182 | | 0.10 | <10 | <10 | 21 | <10 | 18 | | | | <0.005 |
| C491183 | | 0.08 | 10 | <10 | 10 | <10 | 1290 | | | | <0.005 |
| C491184 | | 0.06 | <10 | <10 | 8 | <10 | 394 | | | | <0.005 |
| C491185 | | <0.01 | <10 | <10 | 3 | <10 | 235 | | | | 0.063 |
| C491186 | | <0.01 | <10 | <10 | 3 | <10 | 184 | | | | 0.281 |
| C491187 | | 0.04 | <10 | <10 | 5 | <10 | 126 | | | | 0.086 |
| C491188 | | 0.02 | 10 | <10 | 6 | <10 | 245 | | | | <0.005 |
| C491189 | | 0.03 | <10 | <10 | 6 | <10 | 180 | | | | <0.005 |
| C491190 | | 0.01 | <10 | <10 | 4 | <10 | 71 | | | | 0.203 |
| C491191 | | 0.07 | <10 | <10 | 9 | <10 | 257 | | | | <0.005 |
| C491192 | | 0.03 | <10 | <10 | 10 | <10 | 637 | | | | 0.006 |
| C491193 | | <0.01 | <10 | <10 | 10 | <10 | 165 | | | | <0.005 |
| C491194 | | <0.01 | <10 | <10 | 4 | <10 | 324 | | 1.19 | | 0.204 |
| C491195 | | <0.01 | <10 | <10 | 3 | <10 | 247 | | | | 0.071 |
| C491196 | | <0.01 | <10 | <10 | 2 | <10 | 238 | | | | 0.006 |
| C491197 | | <0.01 | <10 | <10 | <1 | <10 | 46 | | | | <0.005 |
| C491198 | | 0.01 | <10 | <10 | 7 | <10 | 474 | 314 | 2.39 | | 0.062 |
| C491199 | | <0.01 | <10 | 10 | 1 | <10 | 900 | 409 | 10.45 | | 0.107 |
| C491200 | | <0.01 | <10 | 10 | 5 | <10 | 1030 | 193 | 2.15 | | 0.871 |
| C491556 | | <0.01 | <10 | <10 | 15 | <10 | 682 | | | | 0.128 |

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VANCOUVER BC V6B 1L8

Project: CONNAUGHT



# CERTIFICATE OF ANALYSIS VA07103048

| Sample Description | Method / Analyte / Units / LOR | WEI-21 Recvd Wt. kg 0.02 | ME-ICP41 Ag ppm 0.2 | ME-ICP41 Al % 0.01 | ME-ICP41 As ppm 2 | ME-ICP41 B ppm 10 | ME-ICP41 Ba ppm 10 | ME-ICP41 Be ppm 0.5 | ME-ICP41 Bi ppm 2 | ME-ICP41 Ca % 0.01 | ME-ICP41 Cd ppm 0.5 | ME-ICP41 Co ppm 1 | ME-ICP41 Cr ppm 1 | ME-ICP41 Cu ppm 1 | ME-ICP41 Fe % 0.01 | ME-ICP41 Ga ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C491557 | | 2.15 | 46.8 | 0.26 | >10000 | <10 | 80 | <0.5 | 26 | <0.01 | 2.3 | <1 | 5 | 169 | 3.18 | <10 |
| C491558 | | 0.21 | >100 | 0.17 | >10000 | <10 | 40 | <0.5 | 2740 | <0.01 | 48.5 | <1 | 10 | 1350 | 13.4 | <10 |
| C491559 | | 3.76 | 42.1 | 0.31 | 5280 | <10 | 80 | <0.5 | 15 | 0.04 | 1.2 | <1 | 6 | 111 | 2.44 | <10 |
| C491560 | | 0.15 | >100 | 0.65 | >10000 | <10 | 50 | <0.5 | 2250 | 0.01 | 52.5 | <1 | 13 | 653 | 9.45 | 10 |
| C491561 | | 4.74 | 6.1 | 1.66 | 1260 | <10 | 100 | 1.1 | 19 | 0.05 | 2.9 | 1 | 21 | 134 | 3.74 | 10 |
| C491562 | | 1.49 | 89.1 | 0.41 | 3710 | <10 | 120 | 0.7 | 100 | 0.01 | 2.8 | 1 | 17 | 80 | 3.10 | <10 |
| C491563 | | 0.44 | >100 | 0.72 | >10000 | <10 | 70 | 0.7 | 3830 | <0.01 | 73.6 | 1 | 9 | 920 | 6.44 | <10 |
| C491564 | | 2.69 | 49.9 | 0.65 | 2930 | <10 | 110 | 0.9 | 36 | 0.01 | 1.1 | <1 | 26 | 118 | 3.26 | <10 |
| C491565 | | 3.02 | 41.9 | 0.34 | 9900 | <10 | 100 | <0.5 | 35 | 0.04 | 1.7 | 1 | 6 | 75 | 6.63 | <10 |

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Project: CONNAUGHT


Finalized Date: 3-NOV-2007
Account: RCM

# CERTIFICATE OF ANALYSIS VA07103048

| 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 |
| C491557 | | <1 | 0.46 | 40 | 0.01 | 24 | 1 | 0.01 | <1 | 250 | 8160 | 0.78 | 244 | 2 | 3 | 20 |
| C491558 | | 1 | 0.48 | 40 | <0.01 | 82 | <1 | 0.02 | <1 | 670 | >10000 | 3.99 | >10000 | 6 | 5 | 20 |
| C491559 | | <1 | 0.51 | 30 | 0.01 | 18 | 1 | <0.01 | 2 | 260 | >10000 | 1.00 | 130 | 1 | 1 | 20 |
| C491560 | | <1 | 1.07 | 30 | <0.01 | 11 | <1 | 0.04 | 4 | 340 | >10000 | 6.97 | 6360 | 1 | 21 | <20 |
| C491561 | | <1 | 0.25 | 40 | 0.54 | 233 | 4 | 0.05 | 8 | 920 | 5790 | 0.29 | 92 | 2 | 22 | 20 |
| C491562 | | <1 | 0.39 | 30 | 0.02 | 50 | 1 | 0.01 | 3 | 330 | >10000 | 0.67 | 217 | 2 | 4 | 20 |
| C491563 | | <1 | 0.27 | 30 | 0.01 | 191 | <1 | 0.01 | 3 | 510 | >10000 | 3.68 | 4500 | 11 | 7 | 30 |
| C491564 | | <1 | 0.41 | 30 | 0.07 | 61 | 6 | 0.03 | 3 | 350 | 5880 | 0.51 | 87 | 3 | 4 | 20 |
| C491565 | | <1 | 0.26 | 10 | 0.02 | 59 | 86 | 0.01 | 1 | 470 | 1760 | 0.29 | 36 | 1 | 41 | <20 |

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Project: CONNAUGHT


Finalized Date: 3-NOV-2007
Account: RCM

## CERTIFICATE OF ANALYSIS VA07103048

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Ag-OG46 | Pb-OG46 | Ag-GRA21 | Au-AA23 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn | Ag | Pb | Ag | Au |
| | Units | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 | 1 | 0.01 | 5 | 0.005 |
| C491557 | | <0.01 | <10 | <10 | 2 | <10 | 39 | | | | 0.673 |
| C491558 | | <0.01 | 10 | 110 | 6 | <10 | 195 | >1500 | 17.95 | 2130 | 3.94 |
| C491559 | | <0.01 | <10 | <10 | 2 | <10 | 66 | | 1.80 | | 0.122 |
| C491560 | | <0.01 | <10 | 40 | 7 | <10 | 835 | >1500 | >20.0 | 2120 | 1.960 |
| C491561 | | 0.01 | <10 | <10 | 40 | <10 | 340 | | | | 0.005 |
| C491562 | | <0.01 | <10 | <10 | 3 | <10 | 408 | | 1.54 | | 0.095 |
| C491563 | | <0.01 | <10 | 30 | 9 | <10 | 531 | >1500 | >20.0 | 2860 | 3.55 |
| C491564 | | <0.01 | <10 | <10 | 11 | <10 | 393 | | | | 0.070 |
| C491565 | | <0.01 | <10 | <10 | 9 | 10 | 51 | | | | 0.861 |

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Finalized


13-SEP-2007
Account: RCM

# CERTIFICATE VA07087146

Project: CONNAUGHT

P.O. No.:

This report is for 76 Rock samples submitted to our lab in Vancouver, BC, Canada on 9-AUG-2007.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| AL ARCHER<br>BILL WENGZYNOWSKI | DOUG EATON | JOAN MARIACHER |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Pb-OG46 | Ore Grade Pb - Aqua Regia | VARIABLE |
| Au-AA23 | Au 30g FA-AA finish | AAS |
| Au-GRA21 | Au 30g FA-GRAV finish | WST-SIM |
| ME-ICP41 | 35 Element Aqua Regia ICP-AES | ICP-AES |
| Ag-OG46 | Ore Grade Ag - Aqua Regia | VARIABLE |
| ME-OG46 | Ore Grade Elements - AquaRegia | ICP-AES |

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

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

**Signature:** Lawrence Ng

Lawrence Ng, Laboratory Manager - Vancouver

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Project: CONNAUGHT



# CERTIFICATE OF ANALYSIS VA07087146

| Sample Description | Method / Analyte / Units / LOR | WEI-21 Recvd Wt. kg 0.02 | ME-ICP41 Ag ppm 0.2 | ME-ICP41 Al % 0.01 | ME-ICP41 As ppm 2 | ME-ICP41 B ppm 10 | ME-ICP41 Ba ppm 10 | ME-ICP41 Be ppm 0.5 | ME-ICP41 Bi ppm 2 | ME-ICP41 Ca % 0.01 | ME-ICP41 Cd ppm 0.5 | ME-ICP41 Co ppm 1 | ME-ICP41 Cr ppm 1 | ME-ICP41 Cu ppm 1 | ME-ICP41 Fe % 0.01 | ME-ICP41 Ga ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C491051 | | 1.85 | >100 | 0.08 | 4830 | 10 | <10 | <0.5 | 3 | 0.01 | 33.1 | <1 | 1 | 3500 | 0.39 | <10 |
| C491052 | | 0.86 | 57.1 | 0.55 | >10000 | <10 | 30 | <0.5 | 4 | 0.01 | 4.2 | 2 | 1 | 211 | 8.00 | <10 |
| C491053 | | 1.06 | 9.3 | 0.40 | 6340 | <10 | 50 | <0.5 | 5 | 0.03 | 3.0 | 1 | 2 | 104 | 3.15 | <10 |
| C491054 | | 1.52 | 96.6 | 0.47 | >10000 | <10 | 10 | <0.5 | 6 | 0.01 | 5.5 | <1 | 3 | 534 | 6.37 | <10 |
| C491055 | | 1.46 | 1.7 | 0.60 | 204 | <10 | 30 | 1.2 | <2 | 0.19 | 4.4 | 3 | 2 | 208 | 1.37 | <10 |
| C491056 | | 1.76 | 2.9 | 0.68 | 2180 | <10 | 30 | 0.9 | <2 | 0.09 | 5.7 | 1 | 3 | 167 | 3.02 | <10 |
| C491057 | | 0.99 | 96.6 | 0.62 | >10000 | <10 | 20 | 0.5 | 4 | 0.03 | 8.1 | 1 | <1 | 234 | 6.84 | 10 |
| C491058 | | 2.71 | >100 | 0.08 | 5110 | <10 | <10 | <0.5 | 2 | 0.01 | 39.8 | <1 | <1 | 4690 | 0.64 | <10 |
| C491059 | | 3.32 | >100 | 0.81 | >10000 | <10 | 20 | 0.9 | 5 | 0.05 | 9.3 | 2 | <1 | 559 | 8.76 | <10 |
| C491060 | | 2.07 | 3.6 | 0.67 | 682 | <10 | 30 | 0.7 | <2 | 0.27 | 3.0 | 2 | 4 | 43 | 1.33 | <10 |
| C491061 | | 3.85 | 11.7 | 0.76 | >10000 | <10 | 30 | 1.0 | 2 | 0.12 | 23.3 | 2 | 1 | 287 | 6.34 | <10 |
| C491062 | | 2.78 | >100 | 0.39 | >10000 | <10 | 10 | <0.5 | 529 | 0.01 | 20.2 | 3 | <1 | 3540 | 17.1 | 10 |
| C491063 | | 2.46 | 36.5 | 0.49 | >10000 | 10 | 20 | <0.5 | 17 | 0.08 | 2.6 | <1 | 1 | 241 | 6.34 | <10 |
| C491064 | | 3.34 | >100 | 0.14 | >10000 | <10 | <10 | <0.5 | 120 | 0.01 | 87.5 | <1 | <1 | 1850 | 4.82 | <10 |
| C491065 | | 2.46 | 9.9 | 0.43 | 3390 | 10 | 40 | <0.5 | 6 | 0.06 | 8.5 | <1 | 1 | 171 | 4.29 | <10 |
| C491066 | | 3.16 | >100 | 0.35 | >10000 | <10 | 20 | <0.5 | 221 | 0.02 | 4.6 | <1 | 1 | 557 | 7.47 | <10 |
| C491067 | | 3.12 | 86.5 | 1.08 | >10000 | <10 | 20 | 0.6 | 203 | 0.01 | 37.5 | 3 | <1 | 3620 | 15.9 | 10 |
| C491068 | | 3.32 | 4.6 | 0.72 | 3470 | <10 | 60 | 0.5 | 3 | 0.10 | 5.3 | 1 | 3 | 196 | 2.30 | <10 |
| C491069 | | 2.10 | 2.1 | 0.68 | 2060 | <10 | 70 | <0.5 | <2 | 0.06 | 1.0 | <1 | 4 | 124 | 1.24 | <10 |
| C491070 | | 2.90 | 18.8 | 0.48 | >10000 | <10 | 10 | <0.5 | 5 | 0.02 | 3.0 | 3 | 1 | 127 | 6.31 | <10 |
| C491071 | | 2.09 | 6.4 | 0.48 | 511 | <10 | 60 | 0.7 | 2 | 0.04 | 0.8 | <1 | 2 | 65 | 1.33 | <10 |
| C491072 | | 1.60 | 75.9 | 0.74 | >10000 | <10 | 60 | 1.5 | <2 | 0.04 | 4.2 | 1 | 2 | 141 | 3.29 | <10 |
| C491073 | | 2.49 | 5.6 | 0.52 | 140 | <10 | 60 | 0.6 | <2 | 0.06 | 0.8 | <1 | 3 | 51 | 0.93 | <10 |
| C491074 | | 2.22 | 1.5 | 0.75 | 180 | <10 | 30 | 0.9 | <2 | 0.11 | 3.4 | 1 | 3 | 76 | 1.59 | <10 |
| C491075 | | 2.91 | >100 | 0.67 | >10000 | <10 | 70 | 1.5 | 2 | 0.05 | 31.9 | 3 | 4 | 1440 | 5.91 | <10 |
| C491076 | | 2.66 | 96.2 | 0.66 | 6530 | <10 | 30 | 1.0 | <2 | 0.06 | 19.2 | <1 | 1 | 333 | 2.11 | <10 |
| C491077 | | 2.43 | 18.8 | 0.78 | 1490 | <10 | 70 | 1.1 | <2 | 0.14 | 14.9 | 2 | 3 | 108 | 2.23 | 10 |
| C491078 | | 2.56 | >100 | 0.91 | >10000 | <10 | 90 | 2.1 | 5 | 0.05 | 37.5 | <1 | 1 | 633 | 5.06 | <10 |
| C491079 | | 2.85 | 1.5 | 0.45 | 192 | <10 | 40 | 0.6 | <2 | 0.04 | 1.9 | <1 | 2 | 78 | 0.81 | <10 |
| C491080 | | 3.28 | 29.4 | 0.68 | 758 | <10 | 80 | 0.7 | <2 | 0.09 | 1.5 | <1 | 4 | 96 | 1.64 | 10 |
| C491081 | | 2.91 | >100 | 0.43 | >10000 | <10 | 20 | 0.6 | 5 | 0.02 | 22.2 | <1 | 4 | 395 | 2.10 | <10 |
| C491082 | | 3.26 | 3.7 | 0.53 | 295 | <10 | 60 | 0.6 | 2 | 0.03 | 0.5 | <1 | 4 | 57 | 1.62 | <10 |
| C491083 | | 3.00 | >100 | 0.48 | >10000 | <10 | 20 | 0.9 | 3 | 0.02 | 18.1 | <1 | 2 | 217 | 2.28 | <10 |
| C491084 | | 2.87 | 0.3 | 0.65 | 34 | <10 | 50 | 1.3 | 2 | 0.09 | 2.1 | 2 | 5 | 15 | 1.81 | <10 |
| C491085 | | 3.66 | 24.7 | 0.65 | 1480 | <10 | 60 | 1.0 | <2 | 0.07 | 1.3 | 1 | 4 | 107 | 2.21 | <10 |
| C491086 | | 3.16 | 2.4 | 0.94 | 545 | <10 | 40 | 0.9 | <2 | 0.07 | 3.2 | <1 | 3 | 231 | 1.81 | 10 |
| C491087 | | 2.95 | >100 | 0.75 | >10000 | 10 | 20 | 1.1 | <2 | 0.03 | 45.0 | <1 | 1 | 1330 | 2.33 | <10 |
| C491088 | | 2.81 | >100 | 0.66 | >10000 | <10 | 70 | 1.1 | <2 | 0.02 | 15.1 | <1 | 2 | 1200 | 4.18 | <10 |
| C491089 | | 2.73 | 4.8 | 0.56 | 126 | <10 | 40 | 1.0 | 3 | 0.05 | 1.9 | <1 | 2 | 193 | 1.39 | <10 |
| C491090 | | 2.85 | >100 | 0.51 | >10000 | <10 | 50 | 0.6 | <2 | 0.02 | 23.0 | <1 | 3 | 784 | 2.43 | <10 |

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# CERTIFICATE OF ANALYSIS VA07087146

| 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 |
| C491051 | | <1 | 0.01 | <10 | 0.01 | 6 | 3 | <0.01 | <1 | 30 | >10000 | >10.0 | 2640 | <1 | 6 | <20 |
| C491052 | | 1 | 0.46 | 10 | 0.02 | 71 | 3 | 0.01 | <1 | 490 | >10000 | 0.91 | 272 | 1 | 21 | <20 |
| C491053 | | <1 | 0.40 | 30 | 0.03 | 555 | 2 | 0.01 | <1 | 760 | 5470 | 0.38 | 19 | 1 | 27 | 20 |
| C491054 | | <1 | 0.25 | <10 | 0.01 | 65 | 11 | <0.01 | 1 | 480 | >10000 | 0.68 | 404 | 1 | 3 | <20 |
| C491055 | | <1 | 0.25 | 30 | 0.05 | 1840 | 1 | 0.02 | 3 | 790 | 720 | 0.01 | 5 | 1 | 6 | 20 |
| C491056 | | <1 | 0.32 | 20 | 0.06 | 1230 | 4 | 0.01 | 1 | 680 | 2080 | 0.10 | 22 | 1 | 11 | <20 |
| C491057 | | <1 | 0.50 | 10 | 0.01 | 72 | 5 | 0.01 | <1 | 670 | >10000 | 0.97 | 336 | 1 | 31 | <20 |
| C491058 | | <1 | 0.01 | <10 | <0.01 | 8 | 3 | <0.01 | 1 | 40 | >10000 | >10.0 | 3680 | <1 | 4 | <20 |
| C491059 | | 1 | 0.38 | 10 | 0.02 | 85 | 16 | 0.03 | 2 | 990 | >10000 | 1.42 | 557 | 1 | 18 | <20 |
| C491060 | | <1 | 0.25 | 30 | 0.14 | 335 | 1 | 0.03 | 4 | 820 | 905 | 0.04 | 8 | 1 | 8 | 20 |
| C491061 | | 1 | 0.37 | 20 | 0.05 | 983 | 6 | 0.02 | <1 | 750 | 4000 | 0.31 | 79 | 1 | 58 | <20 |
| C491062 | | 1 | 0.19 | <10 | <0.01 | 16 | 6 | 0.04 | <1 | 230 | >10000 | 1.82 | 1500 | 2 | 2 | <20 |
| C491063 | | 1 | 0.52 | 20 | 0.03 | 56 | 4 | 0.03 | 1 | 410 | 9350 | 0.80 | 66 | 1 | 34 | <20 |
| C491064 | | <1 | 0.10 | <10 | <0.01 | <5 | 14 | 0.01 | 2 | 110 | >10000 | 8.94 | 6150 | <1 | 12 | <20 |
| C491065 | | 1 | 0.46 | 20 | 0.02 | 43 | 6 | 0.04 | 2 | 380 | 2490 | 0.55 | 29 | <1 | 28 | <20 |
| C491066 | | 1 | 0.45 | 10 | 0.01 | 44 | 7 | 0.03 | <1 | 680 | >10000 | 1.25 | 341 | 1 | 21 | <20 |
| C491067 | | <1 | 0.33 | 10 | 0.01 | 32 | 11 | 0.05 | <1 | 1990 | >10000 | 2.07 | 1090 | 1 | 7 | <20 |
| C491068 | | <1 | 0.35 | 30 | 0.11 | 123 | 2 | 0.02 | <1 | 550 | 2120 | 0.19 | 29 | 1 | 29 | 20 |
| C491069 | | 1 | 0.34 | 40 | 0.07 | 56 | 2 | 0.02 | <1 | 600 | 5630 | 0.17 | 5 | 1 | 15 | 20 |
| C491070 | | 1 | 0.28 | 10 | 0.01 | 116 | 2 | 0.01 | <1 | 550 | 2580 | 0.16 | 201 | 1 | 13 | <20 |
| C491071 | | 1 | 0.24 | 60 | 0.03 | 213 | 2 | 0.01 | 2 | 210 | 1700 | 0.07 | 15 | 1 | 11 | 20 |
| C491072 | | <1 | 0.31 | 100 | 0.03 | 71 | 3 | 0.01 | <1 | 270 | >10000 | 0.28 | 497 | 1 | 40 | 20 |
| C491073 | | <1 | 0.23 | 40 | 0.03 | 358 | 1 | 0.02 | <1 | 250 | 950 | 0.02 | 7 | 1 | 6 | 20 |
| C491074 | | <1 | 0.14 | 40 | 0.04 | 319 | 2 | 0.03 | <1 | 260 | 292 | <0.01 | 8 | 3 | 6 | 30 |
| C491075 | | <1 | 0.22 | 160 | 0.02 | 57 | 8 | <0.01 | 5 | 120 | >10000 | 0.65 | 754 | 1 | 69 | <20 |
| C491076 | | <1 | 0.15 | 250 | 0.03 | 182 | 2 | 0.04 | <1 | 150 | >10000 | 0.08 | 136 | 1 | 24 | 50 |
| C491077 | | <1 | 0.18 | 60 | 0.07 | 654 | 2 | 0.03 | <1 | 270 | 1990 | 0.02 | 111 | 3 | 13 | 30 |
| C491078 | | <1 | 0.19 | 210 | 0.02 | 622 | 5 | 0.01 | 2 | 100 | >10000 | 0.58 | 1095 | 1 | 67 | 20 |
| C491079 | | <1 | 0.14 | 90 | 0.02 | 549 | 2 | 0.01 | <1 | 110 | 703 | 0.01 | 9 | 1 | 5 | 40 |
| C491080 | | <1 | 0.28 | 40 | 0.08 | 178 | 2 | 0.03 | 1 | 270 | 3000 | 0.07 | 69 | 2 | 6 | 20 |
| C491081 | | 1 | 0.15 | 10 | 0.01 | 53 | 5 | 0.01 | <1 | 100 | >10000 | 0.41 | 2080 | 1 | 2 | <20 |
| C491082 | | <1 | 0.27 | 50 | 0.03 | 185 | 3 | 0.01 | 1 | 240 | 3680 | 0.07 | 11 | 1 | 11 | 20 |
| C491083 | | <1 | 0.16 | 50 | 0.02 | 64 | 3 | 0.01 | <1 | 150 | >10000 | 0.29 | 1400 | 1 | 6 | 20 |
| C491084 | | <1 | 0.22 | 90 | 0.06 | 442 | 2 | 0.03 | 1 | 300 | 84 | <0.01 | 8 | 3 | 9 | 30 |
| C491085 | | 1 | 0.23 | 40 | 0.07 | 445 | 8 | 0.01 | 3 | 260 | 6870 | 0.11 | 141 | 1 | 9 | 30 |
| C491086 | | <1 | 0.18 | 30 | 0.09 | 131 | 2 | 0.05 | 2 | 350 | 3520 | 0.04 | 57 | 3 | 5 | 30 |
| C491087 | | <1 | 0.26 | 40 | 0.02 | 37 | 61 | 0.01 | <1 | 1590 | >10000 | 0.45 | 1535 | 1 | 6 | 20 |
| C491088 | | 1 | 0.30 | 80 | 0.02 | 45 | 10 | 0.01 | <1 | 590 | >10000 | 0.47 | 1375 | 1 | 63 | 20 |
| C491089 | | <1 | 0.22 | 80 | 0.03 | 509 | 2 | 0.02 | 1 | 250 | 2370 | 0.01 | 19 | 1 | 5 | 30 |
| C491090 | | 1 | 0.26 | 30 | 0.02 | 47 | 14 | 0.01 | <1 | 390 | >10000 | 0.35 | 1080 | 1 | 10 | 20 |

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Project: CONNAUGHT


Finalized D: 13-SEP-2007
Account: RCM

## CERTIFICATE OF ANALYSIS VA07087146

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Ag-OG46 | Pb-OG46 | Au-AA23 | Au-GRA21 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn | Ag | Pb | Au | Au |
| | Units | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 | 1 | 0.01 | 0.005 | 0.05 |
| C491051 | | <0.01 | <10 | 20 | 1 | <10 | 164 | >1500 | >20.0 | 0.071 | |
| C491052 | | <0.01 | <10 | <10 | 3 | <10 | 357 | | 3.31 | 2.04 | |
| C491053 | | <0.01 | <10 | <10 | 3 | <10 | 184 | | | 0.047 | |
| C491054 | | <0.01 | <10 | 10 | 3 | <10 | 236 | | 5.59 | 3.74 | |
| C491055 | | <0.01 | <10 | <10 | 2 | <10 | 639 | | | 0.009 | |
| C491056 | | <0.01 | <10 | <10 | 3 | <10 | 397 | | | 0.032 | |
| C491057 | | <0.01 | <10 | 10 | 3 | <10 | 483 | | 3.27 | 1.320 | |
| C491058 | | <0.01 | <10 | 20 | <1 | <10 | 279 | >1500 | >20.0 | 0.142 | |
| C491059 | | <0.01 | <10 | 20 | 3 | <10 | 1650 | 394 | 7.64 | 0.279 | |
| C491060 | | <0.01 | <10 | <10 | 6 | <10 | 745 | | | 0.007 | |
| C491061 | | <0.01 | <10 | 10 | 3 | <10 | 712 | | | 0.746 | |
| C491062 | | 0.01 | <10 | 10 | 6 | <10 | 334 | 205 | 18.15 | 9.71 | |
| C491063 | | <0.01 | <10 | <10 | 3 | <10 | 228 | | | 0.041 | |
| C491064 | | <0.01 | <10 | 60 | <1 | <10 | 159 | >1500 | >20.0 | 0.651 | |
| C491065 | | <0.01 | <10 | <10 | 1 | <10 | 256 | | | 0.041 | |
| C491066 | | <0.01 | <10 | <10 | 2 | <10 | 117 | 207 | 5.00 | 3.41 | |
| C491067 | | <0.01 | <10 | <10 | 6 | <10 | 1770 | | 11.60 | 4.93 | |
| C491068 | | 0.01 | <10 | <10 | 6 | <10 | 220 | | | 0.026 | |
| C491069 | | 0.01 | <10 | <10 | 5 | <10 | 145 | | | 0.010 | |
| C491070 | | <0.01 | <10 | <10 | 2 | <10 | 132 | | | 2.62 | |
| C491071 | | <0.01 | <10 | <10 | 1 | <10 | 151 | | | 0.012 | |
| C491072 | | <0.01 | <10 | 10 | 3 | <10 | 328 | | 2.64 | 0.337 | |
| C491073 | | <0.01 | <10 | <10 | 2 | <10 | 143 | | | 0.007 | |
| C491074 | | 0.01 | <10 | <10 | 4 | <10 | 264 | | | 0.009 | |
| C491075 | | <0.01 | <10 | 20 | 1 | <10 | 639 | 429 | 6.22 | 1.355 | |
| C491076 | | <0.01 | <10 | <10 | 2 | <10 | 224 | | 1.02 | 0.238 | |
| C491077 | | 0.02 | <10 | <10 | 6 | <10 | 263 | | | 0.049 | |
| C491078 | | <0.01 | <10 | 20 | 2 | <10 | 884 | 392 | 5.39 | 0.781 | |
| C491079 | | <0.01 | <10 | <10 | 1 | <10 | 238 | | | 0.008 | |
| C491080 | | 0.03 | <10 | <10 | 6 | <10 | 344 | | | 0.027 | |
| C491081 | | <0.01 | <10 | 20 | 2 | <10 | 422 | 325 | 3.17 | 0.165 | |
| C491082 | | <0.01 | <10 | <10 | 3 | <10 | 135 | | | 0.006 | |
| C491083 | | <0.01 | <10 | 10 | 2 | <10 | 404 | 216 | 5.05 | 0.411 | |
| C491084 | | 0.02 | <10 | <10 | 6 | <10 | 278 | | | 0.007 | |
| C491085 | | 0.01 | <10 | <10 | 5 | <10 | 244 | | | 0.035 | |
| C491086 | | 0.01 | <10 | <10 | 6 | <10 | 600 | | | 0.008 | |
| C491087 | | <0.01 | <10 | 10 | 2 | <10 | 682 | 134 | 5.79 | 0.351 | |
| C491088 | | <0.01 | <10 | 10 | 2 | <10 | 649 | 154 | 4.42 | 1.115 | |
| C491089 | | <0.01 | <10 | <10 | 2 | <10 | 399 | | | 0.009 | |
| C491090 | | <0.01 | <10 | 10 | 2 | <10 | 355 | 138 | 2.84 | 0.549 | |

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Project: CONNAUGHT



## CERTIFICATE OF ANALYSIS VA07087146

| Sample Description | Method / Analyte / Units / LOR | WEI-21 Recvd Wt. kg 0.02 | ME-ICP41 Ag ppm 0.2 | ME-ICP41 Al % 0.01 | ME-ICP41 As ppm 2 | ME-ICP41 B ppm 10 | ME-ICP41 Ba ppm 10 | ME-ICP41 Be ppm 0.5 | ME-ICP41 Bi ppm 2 | ME-ICP41 Ca % 0.01 | ME-ICP41 Cd ppm 0.5 | ME-ICP41 Co ppm 1 | ME-ICP41 Cr ppm 1 | ME-ICP41 Cu ppm 1 | ME-ICP41 Fe % 0.01 | ME-ICP41 Ga ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C491091 | | 2.65 | 0.6 | 0.55 | 70 | <10 | 50 | 0.8 | 2 | 0.04 | 1.1 | 2 | 6 | 64 | 2.66 | <10 |
| C491092 | | 2.72 | 0.3 | 0.49 | 38 | <10 | 380 | 0.6 | <2 | 0.13 | <0.5 | 2 | 7 | 10 | 1.57 | <10 |
| C491093 | | 2.21 | 0.2 | 0.80 | 23 | <10 | 1830 | 1.3 | 3 | 0.10 | 0.6 | 4 | 4 | 6 | 1.81 | <10 |
| C491094 | | 3.15 | 41.2 | 0.35 | >10000 | <10 | 1310 | 0.5 | 36 | 0.01 | 1.5 | <1 | 3 | 103 | 3.48 | <10 |
| C491095 | | 2.42 | >100 | 0.53 | >10000 | <10 | 290 | 0.5 | 11 | 0.05 | 12.1 | 1 | 1 | 940 | 8.71 | <10 |
| C491096 | | 2.07 | 0.9 | 0.29 | 352 | <10 | 80 | <0.5 | <2 | 0.03 | 1.0 | <1 | 10 | 8 | 0.95 | <10 |
| C491097 | | 1.28 | >100 | 0.36 | >10000 | <10 | 60 | <0.5 | <2 | 0.01 | 29.8 | <1 | 2 | 496 | 2.27 | <10 |
| C491098 | | 3.56 | 92.6 | 0.45 | 3610 | <10 | 70 | 0.9 | 4 | 0.02 | 12.2 | 1 | 4 | 953 | 2.92 | <10 |
| C491099 | | 3.46 | >100 | 0.36 | >10000 | <10 | 100 | <0.5 | <2 | 0.02 | 195.5 | <1 | 2 | 578 | 3.60 | <10 |
| C491100 | | 0.98 | 8.0 | 0.33 | >10000 | <10 | 50 | <0.5 | 30 | 0.01 | 3.1 | <1 | 2 | 146 | 11.90 | <10 |
| C491101 | | 1.92 | 5.4 | 0.27 | >10000 | <10 | 80 | <0.5 | 16 | 0.01 | 1.8 | <1 | 5 | 35 | 5.87 | <10 |
| C491102 | | 0.90 | 13.3 | 0.16 | >10000 | <10 | 150 | <0.5 | 5 | 0.50 | 12.6 | <1 | 6 | 72 | 3.76 | <10 |
| C491103 | | 2.03 | >100 | 0.10 | >10000 | <10 | <10 | <0.5 | 38 | <0.01 | 33.5 | 1 | 1 | 1820 | 1.97 | <10 |
| C491104 | | 2.99 | 63.9 | 0.47 | >10000 | <10 | 40 | <0.5 | 69 | 0.08 | 2.7 | <1 | 4 | 236 | 5.18 | <10 |
| C491105 | | 3.24 | 18.9 | 0.31 | >10000 | <10 | 120 | <0.5 | 9 | 0.03 | 2.0 | <1 | 2 | 145 | 3.46 | <10 |
| C491106 | | 4.77 | >100 | 0.38 | >10000 | <10 | 10 | <0.5 | 177 | 0.01 | 67.3 | <1 | <1 | 4890 | 14.8 | 10 |
| C491107 | | 3.84 | >100 | 0.08 | >10000 | <10 | <10 | <0.5 | 103 | <0.01 | 39.2 | <1 | <1 | 1530 | 4.29 | <10 |
| C491108 | | 3.31 | 60.3 | 0.32 | >10000 | <10 | 30 | <0.5 | 39 | 0.02 | 6.3 | <1 | 2 | 385 | 8.61 | <10 |
| C491109 | | 3.76 | >100 | 0.20 | >10000 | <10 | <10 | <0.5 | 356 | 0.02 | 28.2 | 1 | <1 | 4140 | 16.4 | <10 |
| C491110 | | 2.17 | >100 | 0.22 | >10000 | <10 | 10 | <0.5 | 209 | 0.01 | 13.5 | 1 | <1 | 836 | 16.9 | <10 |
| C491111 | | 3.07 | 20.7 | 0.24 | >10000 | <10 | 20 | <0.5 | 23 | 0.07 | 2.6 | <1 | 2 | 120 | 4.66 | <10 |
| C491112 | | 2.93 | 6.5 | 0.43 | >10000 | <10 | 190 | <0.5 | 11 | 0.05 | 2.7 | <1 | 4 | 139 | 4.29 | <10 |
| C491113 | | 2.12 | 38.7 | 0.31 | >10000 | <10 | 70 | <0.5 | 24 | 0.05 | 4.1 | <1 | 2 | 159 | 7.78 | <10 |
| C491114 | | 2.39 | >100 | 0.37 | >10000 | <10 | 10 | <0.5 | 1175 | 0.01 | 23.4 | <1 | <1 | 3040 | 16.7 | <10 |
| C491115 | | 2.15 | >100 | 0.44 | >10000 | <10 | 20 | <0.5 | 85 | 0.04 | 17.2 | <1 | <1 | 5810 | 16.7 | <10 |
| C491116 | | 1.22 | 4.4 | 0.39 | 224 | <10 | 120 | <0.5 | 2 | 0.12 | 1.0 | 12 | 3 | 20 | 1.92 | <10 |
| C491117 | | 2.85 | 0.5 | 0.28 | 49 | <10 | 60 | <0.5 | <2 | 0.11 | 0.9 | 11 | 9 | 5 | 0.82 | <10 |
| C491118 | | 1.74 | 2.5 | 0.42 | 409 | <10 | 210 | 3.9 | 5 | 0.02 | 15.3 | 9 | 6 | 397 | 12.05 | <10 |
| C491119 | | 2.80 | >100 | 0.02 | 8700 | <10 | 40 | <0.5 | 79 | <0.01 | 34.0 | 2 | 1 | 2100 | 1.35 | <10 |
| C491120 | | 2.62 | 16.1 | 0.64 | 2130 | <10 | 90 | 0.8 | 33 | 0.16 | 5.7 | 3 | 7 | 182 | 1.60 | <10 |
| C491121 | | 2.05 | 25.7 | 0.55 | 1520 | <10 | 140 | 0.5 | 15 | 0.12 | 5.2 | 3 | 4 | 111 | 1.17 | <10 |
| C491122 | | 2.78 | 4.9 | 0.64 | 278 | <10 | 70 | 0.7 | 4 | 0.15 | 7.4 | 1 | 5 | 99 | 2.17 | <10 |
| C491123 | | 1.96 | 4.8 | 0.88 | 139 | <10 | 70 | 0.9 | 6 | 0.18 | 3.0 | 3 | 6 | 140 | 2.56 | <10 |
| C491124 | | 2.94 | 3.8 | 0.56 | 162 | <10 | 80 | 0.5 | 11 | 0.18 | 1.8 | 1 | 7 | 45 | 1.47 | <10 |
| C491125 | | 2.24 | 1.2 | 2.57 | 10 | <10 | 120 | 0.7 | <2 | 4.10 | 0.5 | 5 | 15 | 26 | 2.91 | 10 |
| C491126 | | 7.79 | >100 | 0.02 | 659 | <10 | 40 | <0.5 | 73 | <0.01 | 38.6 | <1 | <1 | 1570 | 0.24 | <10 |

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Project: CONNAUGHT



# CERTIFICATE OF ANALYSIS VA07087146

| 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 |
| C491091 | | <1 | 0.17 | 40 | 0.06 | 84 | 1 | 0.02 | 2 | 360 | 141 | 0.02 | 7 | 2 | 6 | 20 |
| C491092 | | <1 | 0.20 | 30 | 0.12 | 138 | 1 | 0.03 | 1 | 290 | 93 | <0.01 | 6 | 2 | 10 | 20 |
| C491093 | | <1 | 0.17 | 50 | 0.09 | 315 | 1 | 0.02 | 2 | 260 | 106 | 0.01 | 3 | 3 | 13 | 30 |
| C491094 | | 1 | 0.17 | 30 | 0.01 | 135 | 2 | 0.01 | 1 | 230 | 4390 | 0.19 | 46 | 2 | 6 | <20 |
| C491095 | | <1 | 0.66 | 90 | 0.03 | 124 | 6 | 0.03 | <1 | 250 | >10000 | 1.49 | 227 | 3 | 43 | 30 |
| C491096 | | <1 | 0.14 | 30 | 0.03 | 91 | 1 | 0.02 | 1 | 130 | 262 | 0.01 | 5 | 1 | 4 | <20 |
| C491097 | | <1 | 0.12 | 20 | 0.01 | 32 | 3 | 0.01 | <1 | 50 | >10000 | 0.24 | 1225 | 1 | 10 | <20 |
| C491098 | | 1 | 0.27 | 40 | 0.03 | 336 | 5 | 0.01 | <1 | 210 | 9300 | 0.39 | 837 | 1 | 20 | <20 |
| C491099 | | 1 | 0.22 | 30 | 0.01 | 44 | 5 | 0.01 | <1 | 200 | >10000 | 0.48 | 4430 | 1 | 56 | <20 |
| C491100 | | 1 | 0.15 | <10 | 0.01 | 68 | 2 | 0.01 | <1 | 1110 | 1390 | 0.25 | 104 | 1 | 31 | <20 |
| C491101 | | <1 | 0.15 | 10 | 0.01 | 66 | 1 | 0.01 | <1 | 860 | 358 | 0.10 | 128 | <1 | 26 | <20 |
| C491102 | | <1 | 0.11 | 10 | 0.01 | 329 | 5 | 0.01 | 1 | 110 | 5460 | 0.22 | 59 | <1 | 66 | <20 |
| C491103 | | <1 | 0.04 | <10 | <0.01 | 5 | 19 | <0.01 | 1 | 200 | >10000 | >10.0 | 3790 | <1 | 10 | <20 |
| C491104 | | <1 | 0.42 | 20 | 0.04 | 72 | 6 | 0.02 | 1 | 620 | 9220 | 0.58 | 60 | 1 | 34 | <20 |
| C491105 | | <1 | 0.48 | 20 | 0.01 | 29 | 2 | 0.02 | <1 | 580 | >10000 | 0.69 | 58 | 1 | 34 | <20 |
| C491106 | | <1 | 0.30 | <10 | <0.01 | 16 | 3 | 0.05 | 1 | 160 | >10000 | 4.89 | 3780 | <1 | 12 | <20 |
| C491107 | | <1 | 0.06 | <10 | <0.01 | <5 | 11 | <0.01 | <1 | 50 | >10000 | >10.0 | 1865 | <1 | 18 | <20 |
| C491108 | | <1 | 0.54 | 10 | 0.01 | 26 | 6 | 0.06 | <1 | 320 | >10000 | 1.07 | 174 | 1 | 16 | <20 |
| C491109 | | <1 | 0.11 | <10 | <0.01 | 10 | 11 | 0.03 | 1 | 110 | >10000 | 2.38 | 2990 | <1 | 9 | <20 |
| C491110 | | 1 | 0.21 | <10 | <0.01 | 15 | 6 | 0.02 | <1 | 480 | >10000 | 0.54 | 421 | 1 | 9 | <20 |
| C491111 | | <1 | 0.41 | 20 | 0.02 | 32 | 5 | 0.08 | <1 | 380 | 1220 | 0.76 | 37 | <1 | 51 | <20 |
| C491112 | | <1 | 0.70 | 20 | 0.05 | 62 | 2 | 0.02 | 2 | 660 | 1370 | 1.07 | 21 | 1 | 31 | <20 |
| C491113 | | 1 | 0.63 | 10 | 0.02 | 36 | 3 | 0.06 | 1 | 750 | 9240 | 1.34 | 75 | 1 | 17 | <20 |
| C491114 | | <1 | 0.26 | <10 | <0.01 | 14 | 5 | 0.06 | <1 | 290 | >10000 | 2.57 | 902 | 1 | 9 | <20 |
| C491115 | | <1 | 0.40 | <10 | 0.01 | 25 | 32 | 0.18 | <1 | 600 | >10000 | 3.92 | 571 | <1 | 54 | <20 |
| C491116 | | <1 | 0.21 | 20 | 0.03 | 75 | 1 | 0.01 | 2 | 860 | 1500 | 0.09 | 9 | 1 | 10 | <20 |
| C491117 | | <1 | 0.14 | 10 | 0.09 | 272 | 3 | 0.02 | 4 | 430 | 153 | 0.01 | 2 | 1 | 8 | <20 |
| C491118 | | 2 | 0.27 | 30 | <0.01 | 32900 | 259 | 0.02 | 6 | 360 | 190 | 0.02 | 57 | 1 | 122 | 20 |
| C491119 | | <1 | 0.01 | <10 | <0.01 | 19 | <1 | <0.01 | 1 | 10 | >10000 | >10.0 | 3420 | <1 | 9 | <20 |
| C491120 | | <1 | 0.21 | 20 | 0.10 | 240 | 3 | 0.02 | 4 | 780 | 3530 | 0.09 | 16 | 1 | 22 | 20 |
| C491121 | | <1 | 0.26 | 40 | 0.07 | 505 | 1 | 0.02 | 5 | 860 | 3850 | 0.04 | 7 | 1 | 20 | 20 |
| C491122 | | <1 | 0.19 | 30 | 0.12 | 319 | 2 | 0.02 | 5 | 790 | 808 | 0.04 | 8 | 2 | 16 | 20 |
| C491123 | | 1 | 0.17 | 20 | 0.23 | 605 | 2 | 0.02 | 7 | 740 | 295 | <0.01 | 13 | 2 | 10 | 20 |
| C491124 | | <1 | 0.23 | 40 | 0.11 | 336 | 2 | 0.02 | 4 | 820 | 342 | 0.01 | 4 | 1 | 9 | 20 |
| C491125 | | 1 | 0.03 | 10 | 0.11 | 1190 | <1 | 0.04 | 13 | 320 | 169 | 0.09 | 2 | 2 | 251 | <20 |
| C491126 | | <1 | <0.01 | <10 | <0.01 | 5 | 5 | <0.01 | 1 | 10 | >10000 | >10.0 | 3870 | <1 | 5 | <20 |

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: CONNAUGHT



# CERTIFICATE OF ANALYSIS VA07087146

| Sample Description | Method / Analyte / Units / LOR | ME-ICP41 Ti % 0.01 | ME-ICP41 Tl ppm 10 | ME-ICP41 U ppm 10 | ME-ICP41 V ppm 1 | ME-ICP41 W ppm 10 | ME-ICP41 Zn ppm 2 | Ag-OG46 Ag ppm 1 | Pb-OG46 Pb % 0.01 | Au-AA23 Au ppm 0.005 | Au-GRA21 Au ppm 0.05 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C491091 | | 0.01 | <10 | <10 | 6 | <10 | 83 | | | 0.008 | |
| C491092 | | 0.03 | <10 | <10 | 7 | <10 | 25 | | | 0.007 | |
| C491093 | | <0.01 | <10 | <10 | 4 | <10 | 74 | | | 0.007 | |
| C491094 | | <0.01 | <10 | <10 | 2 | <10 | 42 | | | 0.920 | |
| C491095 | | 0.01 | <10 | <10 | 7 | <10 | 234 | 145 | 2.79 | 0.850 | |
| C491096 | | <0.01 | <10 | <10 | 2 | <10 | 63 | | | 0.015 | |
| C491097 | | <0.01 | <10 | <10 | 1 | <10 | 202 | 124 | 2.77 | 1.075 | |
| C491098 | | <0.01 | <10 | 20 | 3 | <10 | 329 | | | 0.070 | |
| C491099 | | <0.01 | <10 | 80 | 1 | <10 | 549 | 242 | 2.68 | 0.700 | |
| C491100 | | <0.01 | <10 | <10 | 9 | <10 | 153 | | | 1.735 | |
| C491101 | | <0.01 | <10 | <10 | 3 | <10 | 131 | | | 1.720 | |
| C491102 | | <0.01 | <10 | 30 | 5 | <10 | 196 | | | 0.220 | |
| C491103 | | <0.01 | <10 | 10 | <1 | <10 | 580 | >1500 | >20.0 | 0.227 | |
| C491104 | | <0.01 | <10 | <10 | 2 | <10 | 179 | | | 0.481 | |
| C491105 | | <0.01 | <10 | <10 | 2 | <10 | 121 | | 1.36 | 0.153 | |
| C491106 | | <0.01 | <10 | 70 | <1 | <10 | 1980 | 763 | >20.0 | 2.03 | |
| C491107 | | <0.01 | <10 | 10 | <1 | <10 | 789 | >1500 | >20.0 | 0.099 | |
| C491108 | | 0.01 | <10 | <10 | 2 | <10 | 178 | | 2.75 | 1.915 | |
| C491109 | | <0.01 | <10 | 20 | <1 | <10 | 1110 | 499 | >20.0 | 5.09 | |
| C491110 | | 0.01 | <10 | <10 | 1 | <10 | 519 | 119 | 1.35 | 5.93 | |
| C491111 | | <0.01 | <10 | <10 | 1 | <10 | 106 | | | 0.095 | |
| C491112 | | 0.01 | <10 | <10 | 4 | <10 | 127 | | | 0.142 | |
| C491113 | | <0.01 | <10 | <10 | 6 | <10 | 342 | | | 0.224 | |
| C491114 | | <0.01 | <10 | <10 | 2 | <10 | 531 | 605 | 16.75 | >10.0 | 10.90 |
| C491115 | | <0.01 | <10 | 10 | 1 | <10 | 1770 | 374 | 17.40 | 1.115 | |
| C491116 | | <0.01 | <10 | <10 | 2 | <10 | 431 | | | 0.008 | |
| C491117 | | <0.01 | <10 | <10 | 4 | <10 | 19 | | | <0.005 | |
| C491118 | | <0.01 | 10 | 10 | 1 | <10 | 267 | | | <0.005 | |
| C491119 | | <0.01 | <10 | <10 | <1 | <10 | 204 | >1500 | >20.0 | 0.597 | |
| C491120 | | <0.01 | <10 | <10 | 6 | <10 | 348 | | | 0.025 | |
| C491121 | | <0.01 | <10 | <10 | 5 | <10 | 315 | | | 0.021 | |
| C491122 | | <0.01 | <10 | <10 | 6 | <10 | 698 | | | 0.007 | |
| C491123 | | 0.01 | <10 | <10 | 11 | <10 | 845 | | | <0.005 | |
| C491124 | | <0.01 | <10 | <10 | 5 | <10 | 437 | | | <0.005 | |
| C491125 | | 0.06 | <10 | <10 | 12 | <10 | 29 | | | <0.005 | |
| C491126 | | <0.01 | <10 | <10 | <1 | <10 | 38 | >1500 | >20.0 | 0.063 | |

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

Finalized


10-SEP-2007
Account: RCM

# CERTIFICATE VA07087144

Project: CONNAUGHT

P.O. No.:

This report is for 79 Soil samples submitted to our lab in Vancouver, BC, Canada on 9-AUG-2007.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| AL ARCHER<br>BILL WENGZYNOWSKI | DOUG EATON | JOAN MARIACHER |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| PUL-QC | Pulverizing QC Test |
| LOG-22 | Sample login - Rcd w/o BarCode |
| SCR-43 | Screen to -500um, discard plus |
| PUL-31 | Pulverize split to 85% <75 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-ICP41 | 35 Element Aqua Regia ICP-AES | ICP-AES |

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

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

**Signature:** 

Lawrence Ng, Laboratory Manager - Vancouver

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Project: CONNAUGHT


Finalized Date: 10-SEP-2007
Account: RCM

## CERTIFICATE OF ANALYSIS VA07087144

| 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 |
| CC32760 | | 0.22 | 0.4 | 1.43 | 11 | <10 | 110 | <0.5 | <2 | 0.14 | 0.7 | 4 | 17 | 12 | 2.02 | 10 |
| CC32761 | | 0.26 | 0.6 | 2.57 | 16 | <10 | 160 | 0.7 | 3 | 0.15 | 0.7 | 10 | 33 | 24 | 3.64 | 10 |
| CC32762 | | 0.34 | 0.4 | 2.48 | 93 | <10 | 150 | 0.8 | <2 | 0.18 | 0.6 | 8 | 34 | 19 | 4.19 | 10 |
| CC32763 | | 0.28 | 0.3 | 1.96 | 37 | <10 | 160 | 0.5 | 3 | 0.13 | <0.5 | 7 | 24 | 15 | 3.00 | 10 |
| CC32764 | | 0.20 | <0.2 | 0.93 | 9 | <10 | 40 | <0.5 | <2 | 0.06 | <0.5 | 2 | 7 | 7 | 1.19 | <10 |
| CC32765 | | 0.02 | 0.3 | 3.66 | 206 | <10 | 160 | 4.4 | 5 | 0.34 | 1.0 | 24 | 88 | 33 | 7.47 | 10 |
| CC32766 | | 0.42 | 0.6 | 1.80 | 167 | <10 | 110 | 1.4 | 4 | 0.17 | 1.2 | 13 | 24 | 27 | 3.72 | 10 |
| CC32767 | | 0.24 | 0.2 | 1.63 | 33 | <10 | 230 | 0.6 | 2 | 0.37 | <0.5 | 8 | 29 | 26 | 2.77 | 10 |
| CC32768 | | 0.30 | 0.3 | 2.08 | 25 | <10 | 150 | 0.5 | 5 | 0.19 | <0.5 | 9 | 34 | 18 | 2.84 | 10 |
| CC32769 | | 0.30 | 0.6 | 0.91 | 3 | <10 | 130 | <0.5 | 2 | 0.06 | <0.5 | 1 | 7 | 21 | 1.74 | <10 |
| CC32770 | | 0.18 | <0.2 | 1.14 | 3 | <10 | 70 | <0.5 | <2 | 0.06 | <0.5 | 3 | 8 | 6 | 1.27 | 10 |
| CC32771 | | 0.42 | <0.2 | 1.79 | 14 | <10 | 80 | <0.5 | 2 | 0.09 | <0.5 | 4 | 19 | 14 | 2.58 | 10 |
| CC32772 | | 0.28 | 0.2 | 1.92 | 13 | <10 | 100 | 0.5 | 2 | 0.10 | <0.5 | 6 | 19 | 26 | 2.86 | 10 |
| CC32773 | | 0.32 | 0.2 | 2.29 | 9 | <10 | 140 | 0.7 | <2 | 0.16 | <0.5 | 10 | 25 | 23 | 3.34 | 10 |
| CC32774 | | 0.32 | <0.2 | 1.53 | 6 | <10 | 110 | 0.5 | <2 | 0.18 | <0.5 | 6 | 16 | 16 | 2.22 | 10 |
| CC32775 | | 0.30 | <0.2 | 1.37 | <2 | <10 | 50 | 0.5 | <2 | 0.08 | <0.5 | 4 | 9 | 6 | 1.49 | <10 |
| CC32776 | | 0.26 | 0.2 | 1.58 | 12 | <10 | 120 | <0.5 | <2 | 0.15 | <0.5 | 6 | 19 | 12 | 2.37 | 10 |
| CC32777 | | 0.38 | <0.2 | 1.95 | 5 | <10 | 110 | <0.5 | 2 | 0.12 | <0.5 | 6 | 14 | 13 | 2.49 | 10 |
| CC32778 | | 0.32 | 0.2 | 1.37 | 3 | <10 | 120 | <0.5 | <2 | 0.16 | <0.5 | 5 | 16 | 24 | 2.16 | <10 |
| CC32779 | | 0.18 | 0.4 | 0.97 | <2 | <10 | 100 | <0.5 | <2 | 0.19 | <0.5 | 2 | 9 | 24 | 1.24 | <10 |
| CC32780 | | 0.30 | <0.2 | 2.05 | 5 | <10 | 140 | 0.6 | 2 | 0.48 | <0.5 | 5 | 12 | 8 | 2.61 | 10 |
| CC32781 | | 0.24 | 0.2 | 1.61 | 4 | <10 | 100 | <0.5 | <2 | 0.17 | <0.5 | 6 | 18 | 10 | 2.41 | 10 |
| CC32782 | | 0.30 | 0.2 | 1.75 | 8 | <10 | 80 | <0.5 | 2 | 0.08 | <0.5 | 4 | 21 | 30 | 3.79 | 10 |
| CC32783 | | 0.34 | <0.2 | 1.21 | 11 | <10 | 60 | <0.5 | <2 | 0.06 | <0.5 | 3 | 13 | 12 | 2.98 | 10 |
| CC32784 | | 0.28 | 0.7 | 1.55 | 6 | <10 | 110 | <0.5 | 2 | 0.27 | <0.5 | 5 | 20 | 20 | 2.29 | 10 |
| CC32785 | | 0.26 | 0.2 | 0.69 | 4 | <10 | 40 | <0.5 | <2 | 0.02 | <0.5 | <1 | 4 | 9 | 1.20 | <10 |
| CC32786 | | 0.28 | 0.2 | 2.34 | 14 | <10 | 130 | 0.8 | <2 | 0.10 | <0.5 | 9 | 25 | 26 | 2.73 | 10 |
| CC32787 | | 0.26 | <0.2 | 1.09 | 3 | <10 | 60 | <0.5 | <2 | 0.04 | <0.5 | 3 | 6 | 11 | 1.52 | <10 |
| CC32788 | | 0.30 | 0.5 | 1.79 | 28 | <10 | 190 | 0.5 | 2 | 0.28 | <0.5 | 15 | 25 | 17 | 3.24 | 10 |
| CC32789 | | 0.32 | 0.3 | 1.56 | 6 | <10 | 140 | 1.2 | 2 | 0.35 | <0.5 | 7 | 16 | 21 | 2.52 | <10 |
| CC32790 | | 0.04 | 0.7 | 0.45 | <2 | <10 | 80 | <0.5 | <2 | 0.45 | <0.5 | 2 | 1 | 49 | 1.14 | <10 |
| CC32791 | | 0.34 | 0.4 | 1.54 | 85 | <10 | 100 | 1.2 | 5 | 0.14 | 0.5 | 8 | 21 | 23 | 3.70 | 10 |
| CC32792 | | 0.28 | 0.2 | 1.03 | 201 | <10 | 70 | <0.5 | 2 | 0.06 | <0.5 | 1 | 10 | 20 | 2.25 | 10 |
| CC32793 | | 0.36 | 0.3 | 2.62 | 28 | <10 | 120 | 0.9 | 2 | 0.11 | <0.5 | 7 | 29 | 21 | 3.79 | 10 |
| CC32794 | | 0.32 | 0.2 | 1.72 | 37 | <10 | 110 | 0.6 | <2 | 0.10 | <0.5 | 6 | 20 | 12 | 3.66 | 10 |
| CC32795 | | 0.34 | 0.3 | 3.38 | 16 | <10 | 150 | 1.0 | 3 | 0.11 | <0.5 | 9 | 39 | 25 | 4.19 | 10 |
| CC32796 | | 0.32 | 0.2 | 1.73 | 14 | <10 | 180 | 0.9 | 3 | 0.23 | <0.5 | 8 | 27 | 26 | 2.98 | 10 |
| CC32797 | | 0.24 | 0.6 | 2.25 | 16 | <10 | 180 | 1.0 | 4 | 0.11 | 1.0 | 7 | 31 | 23 | 3.52 | 10 |
| CC32798 | | 0.20 | <0.2 | 0.91 | <2 | <10 | 50 | <0.5 | <2 | 0.06 | <0.5 | 2 | 9 | 6 | 1.23 | <10 |
| CC32799 | | 0.20 | 0.3 | 2.71 | 13 | <10 | 280 | 1.0 | 3 | 0.15 | <0.5 | 8 | 37 | 23 | 3.55 | 10 |

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Project: CONNAUGHT


Finalized Date: 10-SEP-2007
Account: RCM

## CERTIFICATE OF ANALYSIS VA07087144

| 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 |
| CC32760 | | <1 | 0.12 | 20 | 0.23 | 187 | 1 | 0.07 | 8 | 240 | 41 | 0.01 | <2 | 3 | 21 | <20 |
| CC32761 | | 1 | 0.17 | 40 | 0.49 | 655 | 2 | 0.03 | 18 | 490 | 42 | 0.02 | <2 | 5 | 18 | <20 |
| CC32762 | | <1 | 0.15 | 30 | 0.49 | 355 | 2 | 0.01 | 18 | 260 | 50 | 0.02 | <2 | 5 | 22 | 20 |
| CC32763 | | <1 | 0.10 | 20 | 0.36 | 256 | 1 | 0.02 | 11 | 180 | 27 | 0.01 | <2 | 4 | 18 | <20 |
| CC32764 | | <1 | 0.05 | 10 | 0.07 | 70 | 1 | 0.03 | 2 | 200 | 16 | 0.01 | <2 | 1 | 10 | <20 |
| CC32765 | | 2 | 1.30 | 80 | 1.35 | 3430 | 3 | 0.02 | 30 | 1150 | 58 | 0.05 | 4 | 13 | 36 | 30 |
| CC32766 | | <1 | 0.18 | 80 | 0.36 | 1230 | 3 | 0.01 | 15 | 720 | 331 | 0.02 | 5 | 5 | 18 | 20 |
| CC32767 | | <1 | 0.11 | 30 | 0.49 | 349 | 1 | 0.02 | 18 | 620 | 72 | 0.01 | 4 | 6 | 32 | <20 |
| CC32768 | | 1 | 0.09 | 20 | 0.51 | 234 | 1 | 0.01 | 16 | 440 | 77 | 0.01 | <2 | 4 | 18 | <20 |
| CC32769 | | <1 | 0.21 | 40 | 0.44 | 114 | 2 | 0.01 | 2 | 340 | 120 | 0.14 | <2 | 1 | 22 | <20 |
| CC32770 | | <1 | 0.15 | 40 | 0.46 | 122 | 1 | 0.01 | 5 | 130 | 26 | 0.01 | <2 | 1 | 10 | 20 |
| CC32771 | | <1 | 0.11 | 20 | 0.39 | 226 | 2 | 0.01 | 10 | 130 | 46 | 0.01 | 3 | 2 | 11 | <20 |
| CC32772 | | <1 | 0.14 | 30 | 0.45 | 287 | 3 | 0.01 | 12 | 160 | 126 | 0.02 | 2 | 2 | 11 | 20 |
| CC32773 | | <1 | 0.12 | 30 | 0.69 | 679 | 2 | 0.01 | 17 | 210 | 29 | 0.01 | <2 | 3 | 15 | <20 |
| CC32774 | | <1 | 0.14 | 40 | 0.56 | 331 | 1 | 0.01 | 10 | 170 | 31 | 0.01 | 2 | 2 | 15 | 20 |
| CC32775 | | <1 | 0.14 | 20 | 0.83 | 210 | 1 | 0.01 | 8 | 80 | 42 | <0.01 | <2 | 1 | 7 | 20 |
| CC32776 | | <1 | 0.10 | 10 | 0.59 | 166 | <1 | 0.02 | 12 | 140 | 15 | <0.01 | <2 | 2 | 14 | <20 |
| CC32777 | | <1 | 0.18 | 20 | 1.17 | 216 | <1 | 0.02 | 8 | 140 | 36 | 0.05 | 2 | 2 | 17 | <20 |
| CC32778 | | <1 | 0.12 | 20 | 0.50 | 177 | <1 | 0.02 | 10 | 200 | 57 | 0.02 | 2 | 2 | 16 | <20 |
| CC32779 | | 1 | 0.12 | 30 | 0.24 | 69 | <1 | 0.03 | 6 | 420 | 29 | 0.05 | <2 | 1 | 21 | <20 |
| CC32780 | | <1 | 0.29 | 30 | 1.62 | 245 | <1 | 0.02 | 7 | 310 | 31 | 0.02 | 2 | 2 | 25 | <20 |
| CC32781 | | 1 | 0.16 | 20 | 0.81 | 278 | <1 | 0.01 | 12 | 200 | 21 | 0.01 | <2 | 3 | 14 | <20 |
| CC32782 | | <1 | 0.10 | 10 | 0.52 | 273 | <1 | 0.01 | 13 | 220 | 40 | 0.01 | <2 | 2 | 9 | <20 |
| CC32783 | | <1 | 0.10 | 20 | 0.28 | 313 | 1 | 0.01 | 6 | 180 | 23 | 0.01 | <2 | 2 | 7 | <20 |
| CC32784 | | 1 | 0.14 | 20 | 0.50 | 257 | <1 | 0.03 | 14 | 300 | 43 | 0.02 | <2 | 2 | 20 | <20 |
| CC32785 | | <1 | 0.17 | 20 | 0.21 | 199 | 1 | 0.01 | 2 | 130 | 29 | 0.01 | <2 | 1 | 5 | <20 |
| CC32786 | | <1 | 0.16 | 30 | 0.55 | 548 | <1 | 0.01 | 17 | 210 | 64 | 0.01 | <2 | 3 | 12 | 20 |
| CC32787 | | <1 | 0.26 | 40 | 0.58 | 201 | <1 | 0.01 | 5 | 160 | 21 | 0.01 | <2 | 1 | 7 | 20 |
| CC32788 | | <1 | 0.08 | 20 | 0.48 | 1280 | <1 | 0.02 | 17 | 450 | 92 | 0.01 | <2 | 4 | 25 | <20 |
| CC32789 | | <1 | 0.36 | 60 | 0.98 | 617 | <1 | 0.01 | 11 | 380 | 74 | 0.03 | <2 | 3 | 22 | 40 |
| CC32790 | | <1 | 0.15 | 30 | 0.15 | 296 | <1 | 0.01 | 2 | 130 | 1000 | 0.06 | <2 | 1 | 15 | 20 |
| CC32791 | | <1 | 0.15 | 70 | 0.34 | 699 | 1 | 0.02 | 14 | 590 | 174 | 0.05 | <2 | 4 | 18 | 20 |
| CC32792 | | <1 | 0.05 | 20 | 0.07 | 85 | 2 | 0.01 | 5 | 240 | 197 | 0.01 | 4 | 2 | 12 | <20 |
| CC32793 | | 1 | 0.08 | 20 | 0.36 | 236 | 1 | 0.01 | 17 | 350 | 55 | 0.02 | 3 | 4 | 13 | <20 |
| CC32794 | | 1 | 0.14 | 20 | 0.31 | 268 | 1 | 0.02 | 13 | 350 | 23 | 0.02 | 3 | 3 | 14 | <20 |
| CC32795 | | 1 | 0.11 | 30 | 0.55 | 579 | <1 | 0.02 | 21 | 310 | 30 | 0.01 | 3 | 5 | 15 | 20 |
| CC32796 | | <1 | 0.16 | 60 | 0.50 | 458 | <1 | 0.02 | 19 | 360 | 37 | 0.01 | <2 | 5 | 21 | <20 |
| CC32797 | | <1 | 0.12 | 50 | 0.43 | 461 | 1 | 0.02 | 18 | 380 | 42 | 0.01 | 3 | 4 | 15 | <20 |
| CC32798 | | <1 | 0.05 | 10 | 0.12 | 110 | <1 | 0.05 | 4 | 140 | 9 | 0.01 | <2 | 1 | 10 | <20 |
| CC32799 | | 1 | 0.17 | 70 | 0.53 | 329 | <1 | 0.02 | 23 | 480 | 17 | 0.02 | <2 | 5 | 19 | <20 |

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## CERTIFICATE OF ANALYSIS VA07087144

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC32760 | | 0.08 | <10 | <10 | 47 | <10 | 84 |
| CC32761 | | 0.09 | <10 | <10 | 76 | <10 | 137 |
| CC32762 | | 0.09 | <10 | <10 | 72 | <10 | 102 |
| CC32763 | | 0.10 | <10 | <10 | 70 | <10 | 58 |
| CC32764 | | 0.06 | <10 | <10 | 30 | <10 | 17 |
| CC32765 | | 0.22 | <10 | <10 | 115 | <10 | 323 |
| CC32766 | | 0.08 | <10 | <10 | 48 | <10 | 211 |
| CC32767 | | 0.11 | <10 | <10 | 56 | <10 | 92 |
| CC32768 | | 0.08 | <10 | <10 | 62 | <10 | 73 |
| CC32769 | | 0.03 | <10 | <10 | 15 | <10 | 50 |
| CC32770 | | 0.06 | <10 | <10 | 26 | <10 | 28 |
| CC32771 | | 0.08 | <10 | <10 | 53 | <10 | 77 |
| CC32772 | | 0.07 | <10 | <10 | 44 | <10 | 90 |
| CC32773 | | 0.08 | <10 | <10 | 52 | <10 | 293 |
| CC32774 | | 0.07 | <10 | <10 | 38 | <10 | 65 |
| CC32775 | | 0.04 | <10 | <10 | 17 | <10 | 68 |
| CC32776 | | 0.10 | <10 | <10 | 56 | <10 | 40 |
| CC32777 | | 0.08 | <10 | <10 | 41 | <10 | 98 |
| CC32778 | | 0.06 | <10 | <10 | 35 | <10 | 93 |
| CC32779 | | 0.04 | <10 | <10 | 21 | <10 | 59 |
| CC32780 | | 0.07 | <10 | <10 | 32 | <10 | 96 |
| CC32781 | | 0.08 | <10 | <10 | 45 | <10 | 60 |
| CC32782 | | 0.10 | <10 | <10 | 64 | <10 | 73 |
| CC32783 | | 0.09 | <10 | <10 | 67 | <10 | 55 |
| CC32784 | | 0.07 | <10 | <10 | 42 | <10 | 127 |
| CC32785 | | 0.03 | <10 | <10 | 19 | <10 | 58 |
| CC32786 | | 0.08 | <10 | <10 | 43 | <10 | 100 |
| CC32787 | | 0.05 | <10 | <10 | 20 | <10 | 46 |
| CC32788 | | 0.07 | <10 | <10 | 51 | <10 | 87 |
| CC32789 | | 0.04 | <10 | <10 | 22 | <10 | 87 |
| CC32790 | | <0.01 | <10 | <10 | 5 | <10 | 109 |
| CC32791 | | 0.07 | <10 | <10 | 45 | <10 | 176 |
| CC32792 | | 0.06 | <10 | <10 | 63 | <10 | 62 |
| CC32793 | | 0.09 | <10 | <10 | 73 | <10 | 66 |
| CC32794 | | 0.10 | <10 | <10 | 64 | <10 | 77 |
| CC32795 | | 0.08 | <10 | <10 | 76 | <10 | 117 |
| CC32796 | | 0.09 | <10 | <10 | 50 | <10 | 148 |
| CC32797 | | 0.09 | <10 | <10 | 73 | <10 | 107 |
| CC32798 | | 0.05 | <10 | <10 | 25 | <10 | 25 |
| CC32799 | | 0.10 | <10 | <10 | 69 | <10 | 83 |

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

Project: CONNAUGHT



## CERTIFICATE OF ANALYSIS VA07087144

| 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 |
| CC32800 | | 0.20 | <0.2 | 1.35 | 7 | <10 | 170 | <0.5 | <2 | 0.15 | <0.5 | 4 | 17 | 11 | 2.13 | 10 |
| CC32801 | | 0.30 | 0.2 | 1.55 | 16 | <10 | 150 | 0.6 | 2 | 0.18 | <0.5 | 6 | 24 | 13 | 2.76 | 10 |
| CC32802 | | 0.28 | <0.2 | 0.42 | <2 | <10 | 30 | <0.5 | <2 | 0.07 | <0.5 | 1 | 7 | 5 | 0.95 | <10 |
| CC32803 | | 0.28 | <0.2 | 0.93 | 4 | <10 | 70 | <0.5 | <2 | 0.06 | <0.5 | 2 | 11 | 7 | 1.69 | <10 |
| CC32804 | | 0.30 | <0.2 | 0.28 | <2 | <10 | 20 | <0.5 | <2 | 0.05 | <0.5 | 1 | 3 | 2 | 0.57 | <10 |
| CC32805 | | 0.22 | <0.2 | 0.95 | 5 | <10 | 80 | <0.5 | <2 | 0.08 | <0.5 | 1 | 11 | 13 | 1.15 | <10 |
| CC32806 | | 0.26 | <0.2 | 0.39 | <2 | <10 | 30 | <0.5 | <2 | 0.06 | <0.5 | <1 | 4 | 4 | 0.51 | <10 |
| CC32807 | | 0.30 | 0.2 | 0.59 | 3 | <10 | 40 | <0.5 | 2 | 0.07 | <0.5 | 1 | 7 | 6 | 1.06 | <10 |
| CC32808 | | 0.28 | <0.2 | 0.40 | <2 | <10 | 40 | <0.5 | <2 | 0.09 | <0.5 | <1 | 4 | 5 | 0.66 | <10 |
| CC32809 | | 0.26 | <0.2 | 0.35 | <2 | <10 | 30 | <0.5 | <2 | 0.07 | <0.5 | <1 | 3 | 3 | 0.55 | <10 |
| CC32810 | | 0.38 | <0.2 | 0.69 | 2 | <10 | 50 | <0.5 | <2 | 0.05 | <0.5 | 1 | 9 | 7 | 1.09 | 10 |
| CC32811 | | 0.30 | 0.5 | 0.72 | 16 | <10 | 30 | <0.5 | <2 | 0.08 | <0.5 | 1 | 3 | 6 | 0.87 | <10 |
| CC32812 | | 0.36 | 1.9 | 0.46 | 19 | <10 | 30 | <0.5 | <2 | 0.07 | <0.5 | 1 | 4 | 5 | 0.77 | <10 |
| CC32813 | | 0.32 | 4.6 | 1.27 | 194 | <10 | 70 | 0.6 | 3 | 0.19 | <0.5 | 4 | 17 | 28 | 2.83 | 10 |
| CC32814 | | 0.50 | 13.4 | 1.53 | 385 | <10 | 120 | 0.9 | 5 | 0.28 | 1.0 | 6 | 22 | 43 | 3.27 | 10 |
| CC32815 | | 0.22 | 7.1 | 1.66 | 109 | <10 | 170 | 0.5 | 4 | 0.32 | <0.5 | 3 | 20 | 21 | 2.43 | 10 |
| CC32816 | | 0.34 | 0.8 | 1.69 | 41 | <10 | 180 | 0.5 | 2 | 0.33 | <0.5 | 5 | 24 | 16 | 2.49 | 10 |
| CC32817 | | 0.40 | 0.2 | 1.50 | 4 | <10 | 70 | 0.5 | 2 | 0.08 | <0.5 | 3 | 8 | 9 | 1.84 | <10 |
| CC32818 | | 0.44 | <0.2 | 1.62 | 2 | <10 | 70 | 0.6 | <2 | 0.08 | <0.5 | 3 | 6 | 7 | 1.83 | <10 |
| CC32819 | | 0.34 | 2.5 | 1.58 | 11 | <10 | 150 | 0.7 | 2 | 0.27 | <0.5 | 17 | 12 | 40 | 4.59 | <10 |
| CC32820 | | 0.24 | 2.6 | 1.69 | 5 | <10 | 150 | 0.6 | 2 | 0.25 | <0.5 | 8 | 12 | 35 | 2.59 | 10 |
| CC32821 | | 0.30 | 0.2 | 0.48 | 4 | <10 | 40 | <0.5 | <2 | 0.11 | <0.5 | 1 | 4 | 9 | 0.83 | <10 |
| CC32822 | | 0.38 | 0.3 | 0.73 | 4 | <10 | 70 | <0.5 | <2 | 0.10 | <0.5 | 1 | 8 | 10 | 1.02 | <10 |
| CC32823 | | 0.28 | 0.4 | 1.83 | 7 | <10 | 170 | 0.5 | 2 | 0.37 | <0.5 | 6 | 23 | 17 | 2.60 | 10 |
| CC32824 | | 0.24 | 0.4 | 1.52 | 5 | <10 | 280 | 0.6 | <2 | 2.34 | <0.5 | 5 | 14 | 29 | 1.82 | <10 |
| CC10501 | | 0.34 | 3.8 | 1.55 | 896 | <10 | 80 | 1.1 | 13 | 0.49 | 11.5 | 9 | 19 | 194 | 3.60 | 10 |
| CC10502 | | 0.34 | 1.9 | 1.46 | 284 | <10 | 80 | 0.8 | 12 | 0.51 | 10.4 | 11 | 21 | 167 | 3.32 | 10 |
| CC10503 | | 0.50 | 1.9 | 1.26 | 236 | <10 | 70 | 0.9 | 12 | 0.49 | 4.6 | 9 | 18 | 146 | 2.99 | <10 |
| CC10504 | | 0.30 | 2.9 | 1.48 | 280 | <10 | 90 | 0.9 | 27 | 0.51 | 4.0 | 11 | 21 | 173 | 3.79 | 10 |
| CC10505 | | 0.34 | 3.0 | 1.41 | 227 | <10 | 110 | 0.8 | 28 | 0.55 | 3.6 | 9 | 24 | 182 | 3.32 | <10 |
| CC10506 | | 0.30 | 3.1 | 1.43 | 266 | <10 | 110 | 0.8 | 22 | 0.52 | 3.5 | 11 | 23 | 231 | 3.50 | 10 |
| CC10507 | | 0.36 | 3.9 | 1.47 | 310 | <10 | 110 | 0.9 | 32 | 0.49 | 4.0 | 12 | 22 | 238 | 3.73 | 10 |
| CC10508 | | 0.36 | 4.8 | 1.67 | 255 | <10 | 140 | 1.0 | 22 | 0.44 | 3.9 | 12 | 26 | 235 | 3.96 | 10 |
| CC10509 | | 0.42 | 2.9 | 1.45 | 252 | <10 | 110 | 0.9 | 23 | 0.45 | 3.8 | 11 | 24 | 162 | 3.71 | 10 |
| CC10510 | | 0.32 | 3.0 | 1.68 | 190 | <10 | 110 | 0.9 | 18 | 0.38 | 3.1 | 10 | 29 | 125 | 3.83 | 10 |
| CC10511 | | 0.24 | 1.9 | 1.60 | 223 | <10 | 100 | 1.5 | 20 | 0.49 | 4.8 | 9 | 25 | 122 | 3.69 | 10 |
| CC10512 | | 0.38 | 1.4 | 1.65 | 180 | <10 | 100 | 1.5 | 11 | 0.46 | 4.8 | 10 | 25 | 107 | 3.76 | 10 |
| CC10513 | | 0.30 | 1.3 | 1.46 | 187 | <10 | 100 | 1.2 | 11 | 0.46 | 3.3 | 9 | 25 | 95 | 3.54 | 10 |
| CC10514 | | 0.24 | 1.6 | 1.97 | 145 | <10 | 110 | 0.9 | 8 | 0.22 | 1.2 | 8 | 29 | 58 | 3.67 | 10 |

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Finalized Date: 10-SEP-2007
Account: RCM

Project: CONNAUGHT

## CERTIFICATE OF ANALYSIS VA07087144

| 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 |
| CC32800 | | <1 | 0.10 | 20 | 0.29 | 162 | <1 | 0.04 | 11 | 230 | 9 | 0.01 | <2 | 2 | 19 | <20 |
| CC32801 | | 1 | 0.17 | 20 | 0.41 | 264 | <1 | 0.02 | 15 | 370 | 29 | 0.02 | 2 | 3 | 14 | <20 |
| CC32802 | | <1 | 0.04 | 10 | 0.07 | 66 | <1 | 0.06 | 3 | 160 | 3 | 0.01 | 2 | 1 | 11 | <20 |
| CC32803 | | <1 | 0.06 | 10 | 0.17 | 122 | <1 | 0.04 | 6 | 210 | 8 | 0.01 | <2 | 1 | 10 | <20 |
| CC32804 | | <1 | 0.03 | <10 | 0.03 | 32 | <1 | 0.05 | <1 | 130 | 2 | 0.01 | <2 | <1 | 9 | <20 |
| CC32805 | | <1 | 0.06 | 30 | 0.11 | 60 | <1 | 0.05 | 5 | 260 | 7 | 0.02 | <2 | 1 | 13 | <20 |
| CC32806 | | <1 | 0.03 | 10 | 0.05 | 27 | <1 | 0.05 | 1 | 160 | 3 | 0.01 | <2 | <1 | 11 | <20 |
| CC32807 | | <1 | 0.07 | 40 | 0.11 | 59 | <1 | 0.04 | 3 | 220 | 40 | 0.01 | <2 | 1 | 11 | <20 |
| CC32808 | | <1 | 0.04 | 10 | 0.07 | 39 | <1 | 0.07 | 1 | 140 | 28 | 0.01 | <2 | 1 | 16 | <20 |
| CC32809 | | <1 | 0.03 | <10 | 0.03 | 29 | <1 | 0.07 | <1 | 140 | 3 | 0.01 | <2 | <1 | 13 | <20 |
| CC32810 | | <1 | 0.03 | 10 | 0.06 | 68 | <1 | 0.03 | 3 | 140 | 11 | <0.01 | <2 | 1 | 10 | <20 |
| CC32811 | | <1 | 0.04 | <10 | 0.05 | 69 | <1 | 0.04 | 1 | 220 | 48 | 0.01 | <2 | <1 | 13 | <20 |
| CC32812 | | <1 | 0.04 | <10 | 0.04 | 35 | <1 | 0.04 | 1 | 240 | 152 | 0.01 | 2 | <1 | 11 | <20 |
| CC32813 | | <1 | 0.15 | 40 | 0.32 | 206 | <1 | 0.02 | 10 | 540 | 1280 | 0.07 | 67 | 3 | 18 | <20 |
| CC32814 | | <1 | 0.20 | 60 | 0.40 | 325 | 1 | 0.01 | 15 | 730 | 4120 | 0.08 | 87 | 4 | 24 | 20 |
| CC32815 | | 1 | 0.11 | 40 | 0.32 | 126 | <1 | 0.01 | 12 | 750 | 1520 | 0.03 | 13 | 4 | 30 | <20 |
| CC32816 | | 1 | 0.11 | 30 | 0.42 | 242 | <1 | 0.01 | 13 | 730 | 194 | 0.03 | 3 | 3 | 28 | <20 |
| CC32817 | | <1 | 0.35 | 50 | 1.02 | 244 | <1 | <0.01 | 5 | 220 | 38 | <0.01 | <2 | 1 | 10 | 20 |
| CC32818 | | 1 | 0.41 | 50 | 1.18 | 287 | <1 | <0.01 | 5 | 230 | 42 | <0.01 | 2 | 1 | 10 | 20 |
| CC32819 | | 1 | 0.12 | 50 | 0.22 | 1860 | 9 | 0.02 | 6 | 1060 | 190 | 0.09 | 2 | 2 | 23 | <20 |
| CC32820 | | <1 | 0.14 | 40 | 0.24 | 914 | 5 | 0.03 | 6 | 1010 | 166 | 0.08 | 2 | 2 | 23 | <20 |
| CC32821 | | <1 | 0.05 | 10 | 0.12 | 128 | <1 | 0.06 | 2 | 170 | 17 | <0.01 | <2 | 1 | 17 | <20 |
| CC32822 | | <1 | 0.08 | 10 | 0.13 | 72 | <1 | 0.03 | 4 | 160 | 21 | 0.01 | <2 | 1 | 14 | <20 |
| CC32823 | | <1 | 0.17 | 50 | 0.60 | 292 | <1 | 0.02 | 16 | 430 | 22 | 0.03 | <2 | 3 | 28 | <20 |
| CC32824 | | 1 | 0.12 | 30 | 0.69 | 586 | <1 | 0.02 | 11 | 760 | 18 | 0.11 | 2 | 2 | 90 | <20 |
| CC10501 | | 1 | 0.27 | 50 | 0.52 | 1400 | 1 | 0.01 | 17 | 1370 | 2640 | 0.03 | 10 | 4 | 63 | 20 |
| CC10502 | | <1 | 0.30 | 30 | 0.59 | 952 | <1 | 0.01 | 17 | 1150 | 652 | <0.01 | 6 | 5 | 28 | 20 |
| CC10503 | | <1 | 0.20 | 40 | 0.47 | 1150 | 1 | 0.01 | 17 | 1140 | 541 | <0.01 | 5 | 4 | 27 | 20 |
| CC10504 | | <1 | 0.24 | 50 | 0.55 | 1400 | 1 | 0.02 | 17 | 1280 | 724 | 0.05 | 7 | 5 | 29 | 20 |
| CC10505 | | <1 | 0.22 | 40 | 0.54 | 837 | <1 | 0.02 | 19 | 1140 | 510 | 0.01 | 5 | 5 | 32 | <20 |
| CC10506 | | <1 | 0.23 | 50 | 0.53 | 1070 | 1 | 0.02 | 21 | 1150 | 626 | 0.01 | 6 | 5 | 30 | 20 |
| CC10507 | | <1 | 0.22 | 60 | 0.53 | 1330 | 1 | 0.02 | 21 | 1250 | 723 | 0.02 | 9 | 5 | 28 | 20 |
| CC10508 | | <1 | 0.22 | 60 | 0.52 | 1550 | 2 | 0.01 | 23 | 1290 | 684 | 0.03 | 6 | 5 | 27 | <20 |
| CC10509 | | 1 | 0.19 | 60 | 0.52 | 1350 | 1 | 0.01 | 22 | 1200 | 633 | 0.02 | 5 | 5 | 27 | 20 |
| CC10510 | | <1 | 0.18 | 50 | 0.54 | 1230 | 1 | 0.01 | 23 | 990 | 539 | 0.02 | 8 | 4 | 24 | <20 |
| CC10511 | | 1 | 0.20 | 60 | 0.60 | 1460 | 1 | 0.01 | 27 | 1220 | 583 | 0.01 | 9 | 4 | 28 | 20 |
| CC10512 | | <1 | 0.18 | 70 | 0.62 | 1790 | 2 | 0.01 | 28 | 1200 | 522 | 0.01 | 7 | 4 | 27 | 20 |
| CC10513 | | <1 | 0.18 | 60 | 0.53 | 1230 | 1 | 0.01 | 23 | 1150 | 442 | 0.01 | 6 | 4 | 27 | 20 |
| CC10514 | | 1 | 0.15 | 30 | 0.48 | 693 | <1 | <0.01 | 21 | 680 | 293 | 0.02 | 4 | 3 | 16 | <20 |

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Project: CONNAUGHT


Finalized Date: 10-SEP-2007
Account: RCM

## CERTIFICATE OF ANALYSIS VA07087144

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn |
| | Units | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC32800 | | 0.08 | <10 | <10 | 45 | <10 | 41 |
| CC32801 | | 0.08 | <10 | <10 | 41 | <10 | 50 |
| CC32802 | | 0.04 | <10 | <10 | 22 | <10 | 14 |
| CC32803 | | 0.06 | <10 | <10 | 39 | <10 | 26 |
| CC32804 | | 0.03 | <10 | <10 | 15 | <10 | 8 |
| CC32805 | | 0.04 | <10 | <10 | 22 | <10 | 20 |
| CC32806 | | 0.03 | <10 | <10 | 9 | <10 | 8 |
| CC32807 | | 0.04 | <10 | <10 | 21 | <10 | 106 |
| CC32808 | | 0.03 | <10 | <10 | 14 | <10 | 23 |
| CC32809 | | 0.03 | <10 | <10 | 15 | <10 | 8 |
| CC32810 | | 0.07 | <10 | <10 | 45 | <10 | 19 |
| CC32811 | | 0.04 | <10 | <10 | 16 | <10 | 13 |
| CC32812 | | 0.03 | <10 | <10 | 16 | <10 | 17 |
| CC32813 | | 0.07 | <10 | <10 | 40 | <10 | 120 |
| CC32814 | | 0.07 | <10 | <10 | 44 | <10 | 166 |
| CC32815 | | 0.04 | <10 | <10 | 35 | <10 | 101 |
| CC32816 | | 0.06 | <10 | <10 | 42 | <10 | 87 |
| CC32817 | | 0.06 | <10 | <10 | 22 | <10 | 56 |
| CC32818 | | 0.06 | <10 | <10 | 18 | <10 | 59 |
| CC32819 | | 0.03 | <10 | <10 | 33 | <10 | 120 |
| CC32820 | | 0.03 | <10 | <10 | 28 | <10 | 119 |
| CC32821 | | 0.04 | <10 | <10 | 16 | <10 | 28 |
| CC32822 | | 0.05 | <10 | <10 | 27 | <10 | 21 |
| CC32823 | | 0.07 | <10 | <10 | 53 | <10 | 68 |
| CC32824 | | 0.05 | <10 | <10 | 31 | <10 | 80 |
| CC10501 | | 0.09 | <10 | <10 | 41 | <10 | 1120 |
| CC10502 | | 0.12 | <10 | <10 | 48 | <10 | 707 |
| CC10503 | | 0.09 | <10 | <10 | 43 | <10 | 872 |
| CC10504 | | 0.11 | <10 | <10 | 49 | <10 | 879 |
| CC10505 | | 0.12 | <10 | <10 | 53 | <10 | 663 |
| CC10506 | | 0.11 | <10 | <10 | 52 | <10 | 803 |
| CC10507 | | 0.10 | <10 | <10 | 49 | <10 | 873 |
| CC10508 | | 0.09 | <10 | <10 | 54 | <10 | 813 |
| CC10509 | | 0.09 | <10 | <10 | 51 | <10 | 847 |
| CC10510 | | 0.10 | <10 | <10 | 60 | <10 | 692 |
| CC10511 | | 0.07 | <10 | <10 | 43 | <10 | 1290 |
| CC10512 | | 0.07 | <10 | <10 | 44 | <10 | 1290 |
| CC10513 | | 0.08 | <10 | <10 | 49 | <10 | 945 |
| CC10514 | | 0.10 | <10 | <10 | 64 | <10 | 582 |

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

Finalized


16-SEP-2007
Account: RCM

# CERTIFICATE VA07087143

Project: CONNAUGHT

P.O. No.:

This report is for 200 Soil samples submitted to our lab in Vancouver, BC, Canada on 9-AUG-2007.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| AL ARCHER<br>BILL WENGZYNOWSKI | DOUG EATON | JOAN MARIACHER |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-22 | Sample login - Rcd w/o BarCode |
| PUL-31 | Pulverize split to 85% <75 um |
| SCR-43 | Screen to -500um, discard plus |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-OG46 | Ore Grade Elements - AquaRegia | ICP-AES |
| Pb-OG46 | Ore Grade Pb - Aqua Regia | VARIABLE |
| ME-ICP41 | 35 Element Aqua Regia ICP-AES | ICP-AES |

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

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

**Signature:** 

Lawrence Ng, Laboratory Manager - Vancouver

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Finalized Date: 16-SEP-2007
Account: RCM

Project: CONNAUGHT

## CERTIFICATE OF ANALYSIS VA07087143

| 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 |
| CC32560 | | 0.28 | 0.3 | 1.93 | 118 | <10 | 130 | 1.4 | <2 | 0.29 | 1.3 | 10 | 28 | 60 | 3.45 | 10 |
| CC32561 | | 0.30 | 1.2 | 1.06 | 940 | <10 | 220 | 0.9 | 8 | 0.10 | 1.3 | 1 | 4 | 24 | 0.83 | <10 |
| CC32562 | | 0.40 | 0.6 | 1.25 | 366 | <10 | 140 | 1.1 | 4 | 0.17 | 1.1 | 6 | 19 | 41 | 2.34 | 10 |
| CC32563 | | 0.22 | 11.7 | 1.30 | 3700 | <10 | 140 | 1.0 | <2 | 0.21 | 2.7 | 4 | 17 | 72 | 2.71 | 10 |
| CC32564 | | 0.30 | 1.0 | 1.87 | 413 | <10 | 180 | 1.3 | 2 | 0.29 | 2.4 | 8 | 25 | 39 | 2.93 | 10 |
| CC32565 | | 0.36 | <0.2 | 1.79 | 27 | <10 | 150 | 1.0 | 2 | 0.28 | <0.5 | 6 | 34 | 19 | 2.78 | 10 |
| CC32566 | | 0.24 | <0.2 | 2.03 | 30 | <10 | 360 | 1.0 | <2 | 0.27 | <0.5 | 8 | 28 | 21 | 3.03 | 10 |
| CC32567 | | 0.34 | <0.2 | 1.57 | 15 | <10 | 300 | 0.8 | <2 | 0.27 | <0.5 | 8 | 20 | 15 | 2.72 | 10 |
| CC32568 | | 0.28 | <0.2 | 1.47 | 10 | <10 | 290 | 0.8 | <2 | 0.30 | <0.5 | 7 | 27 | 14 | 2.75 | 10 |
| CC32569 | | 0.30 | <0.2 | 2.04 | 43 | <10 | 570 | 1.9 | <2 | 0.37 | <0.5 | 3 | 12 | 12 | 3.19 | 10 |
| CC32570 | | 0.28 | <0.2 | 2.46 | 19 | <10 | 250 | 1.1 | <2 | 0.18 | <0.5 | 8 | 28 | 17 | 3.58 | 10 |
| CC32571 | | 0.30 | <0.2 | 2.05 | 19 | <10 | 480 | 1.5 | <2 | 0.25 | <0.5 | 7 | 31 | 19 | 3.11 | 10 |
| CC32572 | | 0.32 | <0.2 | 1.54 | 22 | <10 | 500 | 1.3 | <2 | 0.26 | <0.5 | 5 | 17 | 15 | 2.65 | 10 |
| CC32573 | | 0.08 | <0.2 | 2.19 | 17 | <10 | 110 | 0.9 | <2 | 0.15 | <0.5 | 6 | 24 | 17 | 3.19 | 10 |
| CC32574 | | 0.24 | <0.2 | 1.51 | 16 | <10 | 170 | 1.2 | 2 | 0.32 | <0.5 | 8 | 28 | 20 | 2.72 | 10 |
| CC32575 | | 0.28 | 0.6 | 1.31 | 324 | <10 | 110 | 1.3 | <2 | 0.37 | 16.6 | 8 | 21 | 35 | 3.09 | 10 |
| CC32576 | | 0.26 | 3.1 | 0.81 | 1710 | <10 | 170 | 0.5 | 3 | 0.13 | 2.7 | 3 | 10 | 118 | 2.43 | 10 |
| CC32577 | | 0.20 | 0.2 | 2.11 | 128 | <10 | 170 | 0.8 | <2 | 0.22 | 0.5 | 9 | 40 | 20 | 3.59 | 10 |
| CC32578 | | 0.32 | 0.5 | 1.61 | 278 | <10 | 120 | 2.3 | 4 | 0.48 | 3.6 | 7 | 17 | 26 | 3.36 | 10 |
| CC32579 | | 0.28 | 0.8 | 1.04 | 207 | <10 | 50 | 2.1 | <2 | 0.15 | 1.9 | 2 | 5 | 75 | 3.14 | <10 |
| CC32580 | | 0.26 | 1.8 | 1.53 | 83 | <10 | 150 | 1.1 | 2 | 0.43 | 0.6 | 8 | 34 | 33 | 2.88 | 10 |
| CC32581 | | 0.28 | 5.6 | 2.15 | 576 | <10 | 120 | 1.5 | <2 | 0.23 | 0.9 | 7 | 24 | 112 | 3.15 | 10 |
| CC32582 | | 0.36 | 12.3 | 1.27 | 137 | <10 | 180 | 1.2 | 2 | 0.48 | 1.2 | 5 | 20 | 102 | 2.47 | <10 |
| CC32583 | | 0.40 | 32.6 | 2.13 | 829 | <10 | 120 | 1.6 | 3 | 0.25 | 1.7 | 7 | 34 | 139 | 3.21 | 10 |
| CC32584 | | 0.32 | 9.0 | 2.03 | 480 | <10 | 140 | 1.4 | <2 | 0.31 | 1.4 | 7 | 26 | 86 | 3.47 | 10 |
| CC32585 | | 0.28 | 1.6 | 1.67 | 163 | <10 | 170 | 0.8 | <2 | 0.34 | 1.4 | 7 | 26 | 33 | 2.69 | 10 |
| CC32586 | | 0.28 | 2.5 | 1.32 | 313 | <10 | 150 | 1.6 | <2 | 0.37 | 10.1 | 8 | 24 | 59 | 3.10 | 10 |
| CC32587 | | 0.30 | 1.9 | 1.80 | 233 | <10 | 190 | 1.1 | <2 | 0.35 | 1.9 | 8 | 27 | 39 | 3.60 | 10 |
| CC32588 | | 0.26 | 74.5 | 0.92 | 4280 | <10 | 90 | 1.2 | 2 | 0.20 | 70.7 | 2 | 9 | 584 | 3.75 | <10 |
| CC32589 | | 0.32 | 4.5 | 1.24 | 222 | <10 | 120 | 1.3 | 2 | 0.28 | 3.7 | 6 | 22 | 95 | 2.42 | 10 |
| CC32590 | | 0.12 | 4.1 | 1.51 | 281 | <10 | 80 | 0.9 | <2 | 0.24 | 1.1 | 6 | 20 | 50 | 2.71 | 10 |
| CC32591 | | 0.38 | 3.4 | 1.09 | 258 | <10 | 100 | 0.9 | 4 | 0.24 | 2.6 | 4 | 15 | 43 | 2.35 | 10 |
| CC32592 | | 0.46 | 2.0 | 1.31 | 179 | <10 | 110 | 1.3 | <2 | 0.33 | 3.1 | 7 | 25 | 31 | 2.91 | 10 |
| CC32593 | | 0.48 | 1.3 | 1.28 | 107 | <10 | 120 | 1.1 | 2 | 0.33 | 1.7 | 5 | 18 | 24 | 2.62 | 10 |
| CC32594 | | 0.40 | 0.3 | 2.13 | 153 | <10 | 120 | 1.7 | <2 | 0.16 | 0.9 | 5 | 24 | 17 | 3.67 | 10 |
| CC32595 | | 0.58 | 0.3 | 1.53 | 84 | <10 | 110 | 1.1 | <2 | 0.24 | 0.6 | 5 | 24 | 12 | 2.57 | 10 |
| CC32596 | | 0.58 | 0.3 | 1.34 | 69 | <10 | 110 | 1.0 | <2 | 0.32 | 2.2 | 4 | 18 | 14 | 2.52 | 10 |
| CC32597 | | 0.46 | 0.5 | 1.42 | 102 | <10 | 130 | 1.0 | <2 | 0.24 | 5.0 | 6 | 17 | 16 | 2.84 | 10 |
| CC32598 | | 0.38 | 1.4 | 1.65 | 151 | <10 | 120 | 0.7 | <2 | 0.22 | 1.2 | 6 | 29 | 23 | 2.80 | 10 |
| CC32599 | | 0.44 | 2.5 | 1.86 | 175 | <10 | 190 | 0.9 | <2 | 0.23 | 2.1 | 7 | 25 | 40 | 2.90 | 10 |

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Project: CONNAUGHT



## CERTIFICATE OF ANALYSIS VA07087143

| 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 |
| CC32560 | | <1 | 0.19 | 70 | 0.53 | 454 | 1 | 0.03 | 16 | 810 | 128 | 0.03 | 3 | 6 | 27 | 20 |
| CC32561 | | <1 | 0.20 | 110 | 0.09 | 112 | <1 | 0.02 | 1 | 460 | 1030 | 0.03 | 6 | 2 | 22 | 20 |
| CC32562 | | <1 | 0.14 | 60 | 0.30 | 276 | <1 | 0.02 | 9 | 590 | 376 | 0.04 | 2 | 3 | 24 | 20 |
| CC32563 | | <1 | 0.21 | 70 | 0.30 | 351 | 1 | 0.02 | 9 | 530 | 5130 | 0.09 | 135 | 4 | 23 | 20 |
| CC32564 | | <1 | 0.24 | 80 | 0.45 | 475 | 1 | 0.02 | 15 | 640 | 769 | 0.03 | 12 | 6 | 26 | 20 |
| CC32565 | | <1 | 0.21 | 70 | 0.43 | 326 | <1 | 0.03 | 15 | 460 | 33 | 0.01 | <2 | 6 | 21 | <20 |
| CC32566 | | <1 | 0.17 | 90 | 0.54 | 367 | <1 | 0.02 | 21 | 600 | 34 | 0.01 | 2 | 6 | 19 | 20 |
| CC32567 | | <1 | 0.21 | 60 | 0.48 | 353 | <1 | 0.02 | 14 | 610 | 17 | 0.01 | <2 | 4 | 18 | 20 |
| CC32568 | | <1 | 0.24 | 50 | 0.48 | 371 | <1 | 0.03 | 13 | 680 | 12 | 0.01 | <2 | 4 | 18 | 20 |
| CC32569 | | <1 | 0.21 | 140 | 0.42 | 449 | <1 | 0.02 | 6 | 600 | 13 | 0.01 | 2 | 5 | 30 | 40 |
| CC32570 | | <1 | 0.17 | 40 | 0.50 | 329 | <1 | 0.02 | 19 | 490 | 15 | 0.02 | <2 | 4 | 14 | 20 |
| CC32571 | | <1 | 0.18 | 150 | 0.47 | 538 | <1 | 0.02 | 16 | 590 | 44 | 0.01 | <2 | 5 | 20 | 30 |
| CC32572 | | <1 | 0.18 | 120 | 0.39 | 780 | <1 | 0.02 | 11 | 560 | 56 | 0.01 | <2 | 4 | 19 | 30 |
| CC32573 | | <1 | 0.12 | 20 | 0.38 | 212 | <1 | 0.02 | 14 | 280 | 20 | 0.02 | <2 | 4 | 11 | <20 |
| CC32574 | | 1 | 0.16 | 50 | 0.47 | 404 | <1 | 0.03 | 16 | 490 | 17 | 0.01 | 2 | 5 | 23 | <20 |
| CC32575 | | <1 | 0.15 | 50 | 0.41 | 663 | 1 | 0.03 | 14 | 580 | 501 | 0.03 | 8 | 5 | 30 | 20 |
| CC32576 | | <1 | 0.21 | 30 | 0.17 | 154 | 2 | 0.02 | 5 | 490 | 3930 | 0.23 | 11 | 3 | 22 | 20 |
| CC32577 | | <1 | 0.13 | 20 | 0.46 | 400 | <1 | 0.03 | 18 | 380 | 112 | 0.02 | 3 | 5 | 19 | <20 |
| CC32578 | | <1 | 0.28 | 170 | 0.43 | 1270 | 1 | 0.04 | 10 | 790 | 366 | 0.01 | 8 | 6 | 34 | 30 |
| CC32579 | | <1 | 0.12 | 90 | 0.11 | 351 | 8 | 0.01 | 2 | 630 | 3640 | 0.02 | 6 | 4 | 13 | 50 |
| CC32580 | | <1 | 0.15 | 60 | 0.50 | 397 | 1 | 0.04 | 19 | 830 | 1470 | 0.01 | 6 | 5 | 29 | 20 |
| CC32581 | | <1 | 0.17 | 80 | 0.42 | 399 | 3 | 0.02 | 17 | 560 | 3170 | 0.03 | 35 | 5 | 19 | 20 |
| CC32582 | | <1 | 0.13 | 50 | 0.46 | 302 | 2 | 0.04 | 15 | 860 | 5870 | 0.02 | 20 | 4 | 31 | 20 |
| CC32583 | | <1 | 0.21 | 100 | 0.42 | 405 | 3 | 0.02 | 16 | 740 | 6680 | 0.05 | 82 | 6 | 20 | 20 |
| CC32584 | | <1 | 0.18 | 80 | 0.42 | 362 | 2 | 0.03 | 15 | 800 | 3260 | 0.04 | 32 | 6 | 24 | 20 |
| CC32585 | | <1 | 0.14 | 40 | 0.46 | 356 | <1 | 0.03 | 16 | 670 | 523 | 0.02 | 4 | 5 | 25 | <20 |
| CC32586 | | <1 | 0.16 | 110 | 0.36 | 2200 | 1 | 0.03 | 12 | 750 | 1320 | 0.02 | 64 | 5 | 28 | 20 |
| CC32587 | | <1 | 0.15 | 50 | 0.44 | 599 | 1 | 0.03 | 15 | 690 | 603 | 0.02 | 10 | 5 | 26 | <20 |
| CC32588 | | <1 | 0.20 | 70 | 0.21 | 411 | 56 | 0.02 | 6 | 700 | >10000 | 0.22 | 2240 | 3 | 16 | 20 |
| CC32589 | | <1 | 0.14 | 90 | 0.34 | 524 | 2 | 0.02 | 10 | 630 | 2170 | 0.02 | 31 | 4 | 20 | 20 |
| CC32590 | | <1 | 0.14 | 40 | 0.36 | 430 | 1 | 0.02 | 13 | 610 | 1620 | 0.03 | 30 | 3 | 16 | <20 |
| CC32591 | | <1 | 0.13 | 60 | 0.24 | 454 | 2 | 0.01 | 9 | 510 | 1015 | <0.01 | 33 | 3 | 20 | <20 |
| CC32592 | | <1 | 0.19 | 140 | 0.30 | 732 | 2 | 0.02 | 10 | 750 | 646 | <0.01 | 16 | 4 | 24 | 20 |
| CC32593 | | <1 | 0.15 | 100 | 0.33 | 573 | 1 | 0.02 | 11 | 690 | 413 | <0.01 | 12 | 4 | 24 | 20 |
| CC32594 | | <1 | 0.24 | 160 | 0.38 | 820 | 2 | 0.01 | 11 | 630 | 97 | <0.01 | 6 | 6 | 16 | 20 |
| CC32595 | | <1 | 0.18 | 80 | 0.31 | 469 | 1 | 0.01 | 10 | 580 | 85 | <0.01 | 5 | 5 | 18 | 20 |
| CC32596 | | <1 | 0.16 | 60 | 0.34 | 403 | 1 | 0.02 | 10 | 580 | 78 | <0.01 | 7 | 5 | 23 | 20 |
| CC32597 | | <1 | 0.14 | 50 | 0.31 | 645 | 1 | 0.01 | 9 | 530 | 150 | <0.01 | 11 | 5 | 18 | 20 |
| CC32598 | | <1 | 0.14 | 40 | 0.36 | 525 | 1 | 0.01 | 12 | 510 | 370 | <0.01 | 14 | 4 | 17 | <20 |
| CC32599 | | <1 | 0.12 | 40 | 0.38 | 622 | 1 | 0.02 | 16 | 600 | 570 | 0.01 | 14 | 5 | 19 | <20 |

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Finalized Date: 16-SEP-2007
Account: RCM

Project: CONNAUGHT

## CERTIFICATE OF ANALYSIS VA07087143

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Pb-OG46 |
|---|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn | Pb |
| | Units | % | ppm | ppm | ppm | ppm | ppm | % |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 | 0.01 |
| CC32560 | | 0.09 | <10 | <10 | 50 | <10 | 161 | |
| CC32561 | | 0.01 | <10 | <10 | 8 | <10 | 161 | |
| CC32562 | | 0.05 | <10 | <10 | 28 | <10 | 125 | |
| CC32563 | | 0.07 | <10 | <10 | 33 | <10 | 133 | |
| CC32564 | | 0.11 | <10 | <10 | 47 | <10 | 161 | |
| CC32565 | | 0.12 | <10 | <10 | 50 | <10 | 83 | |
| CC32566 | | 0.11 | <10 | <10 | 56 | <10 | 59 | |
| CC32567 | | 0.11 | <10 | <10 | 45 | <10 | 53 | |
| CC32568 | | 0.11 | <10 | <10 | 42 | <10 | 52 | |
| CC32569 | | 0.02 | <10 | <10 | 23 | <10 | 61 | |
| CC32570 | | 0.10 | <10 | <10 | 64 | <10 | 68 | |
| CC32571 | | 0.08 | <10 | <10 | 48 | <10 | 68 | |
| CC32572 | | 0.07 | <10 | <10 | 35 | <10 | 76 | |
| CC32573 | | 0.12 | <10 | <10 | 59 | <10 | 52 | |
| CC32574 | | 0.11 | <10 | <10 | 50 | <10 | 70 | |
| CC32575 | | 0.10 | <10 | <10 | 46 | <10 | 236 | |
| CC32576 | | 0.04 | <10 | <10 | 19 | <10 | 135 | |
| CC32577 | | 0.12 | <10 | <10 | 74 | <10 | 87 | |
| CC32578 | | 0.08 | <10 | <10 | 37 | <10 | 559 | |
| CC32579 | | 0.01 | <10 | <10 | 13 | <10 | 812 | |
| CC32580 | | 0.11 | <10 | <10 | 57 | <10 | 129 | |
| CC32581 | | 0.06 | <10 | <10 | 46 | <10 | 340 | |
| CC32582 | | 0.09 | <10 | <10 | 45 | <10 | 228 | |
| CC32583 | | 0.07 | <10 | <10 | 48 | <10 | 331 | |
| CC32584 | | 0.07 | <10 | <10 | 49 | <10 | 284 | |
| CC32585 | | 0.09 | <10 | <10 | 50 | <10 | 196 | |
| CC32586 | | 0.08 | <10 | <10 | 38 | <10 | 978 | |
| CC32587 | | 0.09 | <10 | <10 | 51 | <10 | 221 | |
| CC32588 | | 0.03 | <10 | <10 | 19 | <10 | 605 | 1.54 |
| CC32589 | | 0.08 | <10 | <10 | 37 | <10 | 292 | |
| CC32590 | | 0.08 | <10 | <10 | 46 | <10 | 239 | |
| CC32591 | | 0.06 | <10 | <10 | 33 | <10 | 212 | |
| CC32592 | | 0.08 | <10 | <10 | 39 | <10 | 255 | |
| CC32593 | | 0.09 | <10 | <10 | 40 | <10 | 183 | |
| CC32594 | | 0.08 | <10 | <10 | 42 | <10 | 286 | |
| CC32595 | | 0.09 | <10 | <10 | 36 | <10 | 210 | |
| CC32596 | | 0.10 | <10 | <10 | 36 | <10 | 220 | |
| CC32597 | | 0.08 | <10 | <10 | 35 | <10 | 331 | |
| CC32598 | | 0.08 | <10 | <10 | 43 | <10 | 257 | |
| CC32599 | | 0.07 | <10 | <10 | 48 | <10 | 191 | |

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: CONNAUGHT



# CERTIFICATE OF ANALYSIS VA07087143

| Sample Description | Method / Analyte / Units / LOR | WEI-21 Recvd Wt. kg 0.02 | ME-ICP41 Ag ppm 0.2 | ME-ICP41 Al % 0.01 | ME-ICP41 As ppm 2 | ME-ICP41 B ppm 10 | ME-ICP41 Ba ppm 10 | ME-ICP41 Be ppm 0.5 | ME-ICP41 Bi ppm 2 | ME-ICP41 Ca % 0.01 | ME-ICP41 Cd ppm 0.5 | ME-ICP41 Co ppm 1 | ME-ICP41 Cr ppm 1 | ME-ICP41 Cu ppm 1 | ME-ICP41 Fe % 0.01 | ME-ICP41 Ga ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CC32600 | | 0.46 | 5.8 | 1.69 | 278 | <10 | 180 | 0.9 | <2 | 0.23 | 1.9 | 7 | 22 | 79 | 2.59 | 10 |
| CC32601 | | 0.46 | 0.8 | 2.17 | 136 | <10 | 110 | 1.2 | 2 | 0.21 | 0.6 | 5 | 33 | 15 | 3.20 | 10 |
| CC32602 | | 0.50 | 0.4 | 1.47 | 96 | <10 | 160 | 0.9 | <2 | 0.30 | 1.8 | 6 | 19 | 15 | 2.83 | 10 |
| CC32603 | | 0.44 | 0.4 | 1.34 | 94 | <10 | 140 | 1.1 | 2 | 0.33 | 7.7 | 9 | 21 | 19 | 2.95 | 10 |
| CC32604 | | 0.42 | 1.1 | 1.46 | 134 | <10 | 140 | 0.8 | <2 | 0.26 | 2.1 | 6 | 30 | 27 | 2.65 | 10 |
| CC32605 | | 0.24 | 0.2 | 1.36 | 46 | <10 | 150 | 0.8 | <2 | 0.28 | <0.5 | 6 | 21 | 14 | 2.51 | 10 |
| CC32606 | | 0.26 | 0.4 | 1.83 | 65 | <10 | 150 | 0.8 | <2 | 0.25 | 0.6 | 6 | 25 | 18 | 2.92 | 10 |
| CC32607 | | 0.16 | 0.3 | 2.63 | 67 | <10 | 220 | 1.0 | <2 | 0.31 | 0.5 | 10 | 46 | 24 | 3.70 | 10 |
| CC32608 | | 0.22 | 0.3 | 1.73 | 109 | <10 | 200 | 1.1 | 2 | 0.28 | 0.5 | 6 | 22 | 16 | 3.22 | 10 |
| CC32609 | | 0.20 | 0.2 | 1.62 | 98 | <10 | 180 | 1.0 | <2 | 0.28 | 0.5 | 6 | 21 | 15 | 2.94 | 10 |
| CC32610 | | 0.30 | <0.2 | 1.36 | 275 | <10 | 190 | 1.4 | <2 | 0.30 | 1.0 | 5 | 20 | 15 | 2.94 | 10 |
| CC32611 | | 0.26 | 0.3 | 1.48 | 207 | <10 | 210 | 1.4 | <2 | 0.27 | <0.5 | 6 | 13 | 15 | 2.85 | 10 |
| CC32612 | | 0.16 | 1.0 | 1.32 | 363 | <10 | 230 | 1.5 | <2 | 0.28 | 2.3 | 6 | 15 | 23 | 3.05 | 10 |
| CC32613 | | 0.22 | 0.4 | 1.40 | 252 | <10 | 210 | 1.3 | <2 | 0.26 | 1.4 | 5 | 26 | 20 | 2.84 | 10 |
| CC32614 | | 0.34 | 0.7 | 1.11 | 401 | <10 | 130 | 1.4 | <2 | 0.27 | 7.1 | 7 | 13 | 18 | 3.24 | 10 |
| CC32615 | | 0.34 | 0.2 | 1.80 | 74 | <10 | 150 | 1.1 | <2 | 0.21 | 1.5 | 7 | 27 | 22 | 2.93 | 10 |
| CC32616 | | 0.20 | 0.4 | 1.24 | 220 | <10 | 140 | 1.3 | <2 | 0.32 | 1.9 | 5 | 25 | 19 | 2.91 | 10 |
| CC32617 | | 0.34 | 0.2 | 1.20 | 111 | <10 | 150 | 1.0 | <2 | 0.31 | 1.1 | 6 | 18 | 19 | 2.68 | 10 |
| CC32618 | | 0.38 | 0.4 | 1.09 | 219 | <10 | 180 | 1.2 | <2 | 0.27 | 1.5 | 5 | 14 | 21 | 2.60 | 10 |
| CC32619 | | 0.28 | 0.3 | 1.61 | 25 | <10 | 110 | 1.0 | <2 | 0.31 | 1.6 | 8 | 27 | 32 | 2.73 | 10 |
| CC32620 | | 0.30 | 0.4 | 1.30 | 30 | <10 | 80 | 1.1 | <2 | 0.45 | 3.2 | 9 | 17 | 26 | 2.64 | 10 |
| CC32621 | | 0.30 | 0.5 | 1.43 | 25 | <10 | 100 | 1.3 | <2 | 0.38 | 5.0 | 9 | 16 | 33 | 2.76 | 10 |
| CC32622 | | 0.38 | 0.8 | 1.32 | 21 | <10 | 70 | 1.9 | <2 | 0.47 | 3.2 | 6 | 14 | 31 | 2.56 | 10 |
| CC32623 | | 0.28 | 0.6 | 1.49 | 25 | <10 | 90 | 2.1 | <2 | 1.23 | 3.4 | 6 | 12 | 34 | 2.63 | <10 |
| CC32624 | | 0.36 | 0.2 | 1.62 | 20 | <10 | 110 | 0.9 | <2 | 0.33 | 2.1 | 8 | 19 | 32 | 2.79 | 10 |
| CC32625 | | 0.34 | 0.2 | 1.36 | 27 | <10 | 90 | 1.1 | <2 | 0.42 | 2.5 | 10 | 22 | 37 | 2.72 | 10 |
| CC32626 | | 0.34 | 0.3 | 1.38 | 19 | <10 | 90 | 0.8 | <2 | 0.33 | 2.1 | 11 | 17 | 29 | 2.77 | <10 |
| CC32627 | | 0.24 | <0.2 | 2.00 | 32 | <10 | 130 | 1.7 | <2 | 0.58 | <0.5 | 8 | 11 | 28 | 3.04 | 10 |
| CC32628 | | 0.30 | <0.2 | 2.44 | 25 | <10 | 160 | 1.4 | <2 | 0.42 | 0.6 | 7 | 25 | 22 | 3.84 | 10 |
| CC32629 | | 0.22 | <0.2 | 2.09 | 14 | <10 | 110 | 0.9 | <2 | 0.41 | <0.5 | 7 | 17 | 14 | 3.64 | 10 |
| CC32630 | | 0.38 | <0.2 | 1.78 | 15 | <10 | 110 | 0.9 | <2 | 0.44 | <0.5 | 9 | 15 | 15 | 3.32 | 10 |
| CC32631 | | 0.32 | <0.2 | 1.54 | 16 | <10 | 100 | 0.7 | <2 | 0.40 | <0.5 | 8 | 21 | 14 | 2.90 | 10 |
| CC32632 | | 0.34 | <0.2 | 1.43 | 13 | <10 | 130 | 0.6 | <2 | 0.44 | 0.6 | 9 | 20 | 16 | 2.77 | 10 |
| CC32633 | | 0.38 | <0.2 | 1.38 | 13 | <10 | 170 | 0.5 | <2 | 0.53 | 0.7 | 9 | 22 | 18 | 2.83 | 10 |
| CC32634 | | 0.44 | <0.2 | 1.49 | 10 | <10 | 120 | 0.6 | <2 | 0.39 | <0.5 | 9 | 24 | 15 | 2.90 | 10 |
| CC32635 | | 0.38 | <0.2 | 1.92 | 14 | <10 | 130 | 0.7 | <2 | 0.36 | 0.8 | 8 | 24 | 17 | 2.91 | 10 |
| CC32636 | | 0.38 | <0.2 | 1.37 | 11 | <10 | 140 | 0.5 | <2 | 0.53 | <0.5 | 9 | 25 | 19 | 2.69 | 10 |
| CC32637 | | 0.38 | <0.2 | 1.62 | 38 | <10 | 160 | 0.8 | <2 | 0.55 | 0.8 | 9 | 33 | 21 | 2.87 | 10 |
| CC32638 | | 0.28 | 0.3 | 1.88 | 56 | <10 | 130 | 0.8 | <2 | 0.41 | 0.7 | 9 | 26 | 20 | 2.93 | 10 |
| CC32639 | | 0.34 | 0.2 | 1.98 | 42 | <10 | 160 | 0.9 | <2 | 0.50 | 0.7 | 12 | 25 | 17 | 3.33 | 10 |

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## CERTIFICATE OF ANALYSIS VA07087143

| 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 |
| CC32600 | | <1 | 0.13 | 50 | 0.35 | 302 | 2 | 0.01 | 12 | 590 | 1420 | <0.01 | 41 | 5 | 18 | <20 |
| CC32601 | | <1 | 0.23 | 100 | 0.36 | 286 | 2 | 0.01 | 11 | 560 | 131 | <0.01 | 5 | 6 | 18 | 20 |
| CC32602 | | <1 | 0.16 | 50 | 0.37 | 333 | 1 | 0.02 | 11 | 620 | 135 | <0.01 | 8 | 5 | 21 | 20 |
| CC32603 | | <1 | 0.13 | 50 | 0.37 | 934 | 1 | 0.02 | 12 | 700 | 133 | <0.01 | 10 | 4 | 25 | <20 |
| CC32604 | | <1 | 0.13 | 40 | 0.33 | 728 | 1 | 0.02 | 11 | 520 | 332 | <0.01 | 12 | 4 | 21 | <20 |
| CC32605 | | <1 | 0.15 | 40 | 0.38 | 405 | <1 | 0.02 | 12 | 480 | 48 | <0.01 | 2 | 4 | 21 | <20 |
| CC32606 | | <1 | 0.16 | 40 | 0.42 | 394 | 1 | 0.02 | 14 | 500 | 121 | <0.01 | 3 | 5 | 21 | <20 |
| CC32607 | | <1 | 0.21 | 40 | 0.58 | 598 | 1 | 0.03 | 22 | 670 | 147 | <0.01 | 5 | 7 | 27 | <20 |
| CC32608 | | <1 | 0.22 | 70 | 0.41 | 616 | 1 | 0.02 | 13 | 570 | 144 | <0.01 | 3 | 5 | 23 | 20 |
| CC32609 | | <1 | 0.20 | 70 | 0.40 | 523 | 1 | 0.02 | 13 | 530 | 129 | <0.01 | 3 | 5 | 22 | 20 |
| CC32610 | | <1 | 0.20 | 90 | 0.30 | 792 | 1 | 0.02 | 10 | 570 | 108 | <0.01 | 7 | 5 | 25 | 30 |
| CC32611 | | <1 | 0.23 | 90 | 0.35 | 1010 | 2 | 0.01 | 8 | 500 | 113 | <0.01 | 4 | 4 | 22 | 30 |
| CC32612 | | <1 | 0.21 | 100 | 0.32 | 1180 | 2 | 0.02 | 9 | 490 | 515 | <0.01 | 9 | 4 | 22 | 20 |
| CC32613 | | <1 | 0.24 | 80 | 0.36 | 730 | 1 | 0.02 | 7 | 540 | 255 | 0.02 | 4 | 4 | 21 | 20 |
| CC32614 | | <1 | 0.17 | 80 | 0.31 | 2040 | 3 | 0.02 | 6 | 660 | 347 | 0.01 | 6 | 4 | 23 | 20 |
| CC32615 | | <1 | 0.11 | 60 | 0.47 | 497 | 1 | 0.01 | 16 | 470 | 107 | 0.02 | <2 | 5 | 17 | <20 |
| CC32616 | | <1 | 0.19 | 80 | 0.39 | 1140 | 1 | 0.02 | 8 | 660 | 197 | 0.01 | 5 | 5 | 23 | 20 |
| CC32617 | | <1 | 0.19 | 90 | 0.40 | 618 | 1 | 0.02 | 10 | 600 | 138 | 0.01 | 7 | 4 | 23 | 20 |
| CC32618 | | <1 | 0.16 | 100 | 0.33 | 851 | 1 | 0.02 | 6 | 570 | 349 | 0.02 | 5 | 4 | 20 | 20 |
| CC32619 | | <1 | 0.18 | 40 | 0.45 | 714 | <1 | 0.02 | 12 | 890 | 386 | 0.03 | <2 | 4 | 20 | <20 |
| CC32620 | | <1 | 0.19 | 40 | 0.43 | 940 | <1 | 0.02 | 8 | 940 | 581 | 0.02 | 3 | 3 | 23 | <20 |
| CC32621 | | <1 | 0.23 | 40 | 0.42 | 1130 | <1 | 0.02 | 8 | 980 | 934 | 0.02 | 2 | 3 | 19 | <20 |
| CC32622 | | <1 | 0.22 | 50 | 0.38 | 1280 | <1 | 0.02 | 6 | 1140 | 762 | 0.01 | 4 | 3 | 19 | 20 |
| CC32623 | | <1 | 0.24 | 50 | 0.39 | 1680 | <1 | 0.02 | 6 | 960 | 807 | 0.02 | <2 | 3 | 38 | 20 |
| CC32624 | | <1 | 0.21 | 40 | 0.47 | 637 | <1 | 0.02 | 10 | 900 | 193 | 0.02 | 2 | 3 | 20 | <20 |
| CC32625 | | <1 | 0.24 | 50 | 0.44 | 949 | 1 | 0.02 | 9 | 970 | 237 | 0.01 | 2 | 4 | 24 | 20 |
| CC32626 | | <1 | 0.21 | 40 | 0.43 | 801 | <1 | 0.02 | 10 | 930 | 262 | 0.02 | 2 | 3 | 20 | <20 |
| CC32627 | | <1 | 0.24 | 70 | 0.45 | 446 | <1 | 0.02 | 6 | 1280 | 29 | 0.02 | 3 | 4 | 28 | 30 |
| CC32628 | | <1 | 0.42 | 50 | 0.78 | 506 | <1 | 0.02 | 12 | 890 | 32 | 0.02 | 2 | 5 | 23 | 20 |
| CC32629 | | <1 | 0.50 | 40 | 0.72 | 486 | <1 | 0.03 | 9 | 1030 | 31 | 0.02 | 2 | 4 | 20 | 20 |
| CC32630 | | <1 | 0.47 | 40 | 0.69 | 466 | <1 | 0.02 | 8 | 1040 | 23 | 0.02 | 3 | 4 | 19 | 20 |
| CC32631 | | <1 | 0.37 | 30 | 0.58 | 414 | <1 | 0.02 | 9 | 910 | 21 | 0.01 | 2 | 4 | 19 | <20 |
| CC32632 | | <1 | 0.30 | 20 | 0.53 | 498 | <1 | 0.03 | 12 | 1100 | 27 | 0.02 | <2 | 4 | 21 | <20 |
| CC32633 | | <1 | 0.27 | 20 | 0.55 | 490 | <1 | 0.03 | 14 | 1170 | 32 | 0.02 | 3 | 5 | 25 | <20 |
| CC32634 | | <1 | 0.33 | 20 | 0.56 | 455 | <1 | 0.02 | 10 | 980 | 27 | 0.01 | <2 | 4 | 19 | <20 |
| CC32635 | | <1 | 0.31 | 30 | 0.59 | 363 | <1 | 0.02 | 11 | 860 | 38 | 0.02 | <2 | 5 | 20 | <20 |
| CC32636 | | <1 | 0.18 | 30 | 0.53 | 478 | 1 | 0.03 | 19 | 1030 | 25 | 0.02 | <2 | 4 | 27 | <20 |
| CC32637 | | <1 | 0.25 | 30 | 0.59 | 539 | 1 | 0.04 | 17 | 1100 | 53 | 0.02 | 2 | 5 | 29 | <20 |
| CC32638 | | <1 | 0.24 | 30 | 0.60 | 365 | 1 | 0.03 | 16 | 1030 | 116 | 0.02 | <2 | 4 | 23 | <20 |
| CC32639 | | <1 | 0.41 | 40 | 0.76 | 544 | 1 | 0.03 | 14 | 1040 | 102 | 0.02 | 2 | 6 | 26 | 20 |

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



Project: CONNAUGHT

## CERTIFICATE OF ANALYSIS VA07087143

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Pb-OG46 |
|---|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn | Pb |
| | Units | % | ppm | ppm | ppm | ppm | ppm | % |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 | 0.01 |
| CC32600 | | 0.07 | <10 | <10 | 42 | <10 | 245 | |
| CC32601 | | 0.09 | <10 | <10 | 44 | <10 | 267 | |
| CC32602 | | 0.10 | <10 | <10 | 40 | <10 | 394 | |
| CC32603 | | 0.08 | <10 | <10 | 42 | <10 | 432 | |
| CC32604 | | 0.08 | <10 | <10 | 42 | <10 | 278 | |
| CC32605 | | 0.10 | <10 | <10 | 43 | <10 | 92 | |
| CC32606 | | 0.10 | <10 | <10 | 50 | <10 | 122 | |
| CC32607 | | 0.11 | <10 | <10 | 66 | <10 | 134 | |
| CC32608 | | 0.09 | <10 | <10 | 42 | <10 | 124 | |
| CC32609 | | 0.10 | <10 | <10 | 41 | <10 | 118 | |
| CC32610 | | 0.06 | <10 | <10 | 28 | <10 | 174 | |
| CC32611 | | 0.07 | <10 | <10 | 29 | <10 | 116 | |
| CC32612 | | 0.08 | <10 | <10 | 33 | <10 | 272 | |
| CC32613 | | 0.08 | <10 | <10 | 34 | <10 | 158 | |
| CC32614 | | 0.06 | <10 | <10 | 29 | <10 | 567 | |
| CC32615 | | 0.09 | <10 | <10 | 50 | <10 | 229 | |
| CC32616 | | 0.08 | <10 | <10 | 35 | <10 | 391 | |
| CC32617 | | 0.09 | <10 | <10 | 38 | <10 | 144 | |
| CC32618 | | 0.08 | <10 | <10 | 34 | <10 | 169 | |
| CC32619 | | 0.09 | <10 | <10 | 46 | <10 | 336 | |
| CC32620 | | 0.08 | <10 | <10 | 39 | <10 | 391 | |
| CC32621 | | 0.09 | <10 | <10 | 36 | <10 | 561 | |
| CC32622 | | 0.04 | <10 | <10 | 23 | <10 | 498 | |
| CC32623 | | 0.04 | <10 | <10 | 25 | <10 | 367 | |
| CC32624 | | 0.10 | <10 | <10 | 43 | <10 | 266 | |
| CC32625 | | 0.09 | <10 | <10 | 38 | <10 | 300 | |
| CC32626 | | 0.10 | <10 | <10 | 40 | <10 | 319 | |
| CC32627 | | 0.01 | <10 | <10 | 22 | <10 | 63 | |
| CC32628 | | 0.09 | <10 | <10 | 44 | <10 | 70 | |
| CC32629 | | 0.12 | <10 | <10 | 39 | <10 | 65 | |
| CC32630 | | 0.12 | <10 | <10 | 36 | <10 | 61 | |
| CC32631 | | 0.13 | <10 | <10 | 40 | <10 | 64 | |
| CC32632 | | 0.13 | <10 | <10 | 45 | <10 | 69 | |
| CC32633 | | 0.14 | <10 | <10 | 52 | <10 | 75 | |
| CC32634 | | 0.14 | <10 | <10 | 45 | <10 | 76 | |
| CC32635 | | 0.13 | <10 | <10 | 52 | <10 | 76 | |
| CC32636 | | 0.12 | <10 | <10 | 54 | <10 | 73 | |
| CC32637 | | 0.12 | <10 | <10 | 51 | <10 | 144 | |
| CC32638 | | 0.13 | <10 | <10 | 53 | <10 | 149 | |
| CC32639 | | 0.15 | <10 | <10 | 51 | <10 | 127 | |

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VANCOUVER BC V6B 1L8

Project: CONNAUGHT


Finalized Date: 16-SEP-2007
Account: RCM

## CERTIFICATE OF ANALYSIS VA07087143

| 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 |
| CC32640 | | 0.28 | <0.2 | 2.07 | 39 | <10 | 170 | 1.0 | <2 | 0.53 | <0.5 | 12 | 30 | 19 | 3.38 | 10 |
| CC32641 | | 0.34 | <0.2 | 1.82 | 17 | <10 | 170 | 0.7 | <2 | 0.43 | <0.5 | 8 | 25 | 19 | 3.10 | 10 |
| CC32642 | | 0.42 | 0.2 | 1.99 | 19 | <10 | 180 | 0.7 | <2 | 0.39 | <0.5 | 10 | 27 | 21 | 3.32 | 10 |
| CC32643 | | 0.30 | 0.2 | 1.90 | 28 | <10 | 170 | 0.7 | 2 | 0.41 | <0.5 | 8 | 30 | 25 | 3.30 | 10 |
| CC32644 | | 0.30 | 0.2 | 1.95 | 26 | <10 | 210 | 0.8 | 2 | 0.43 | 0.6 | 10 | 24 | 23 | 3.29 | 10 |
| CC32645 | | 0.34 | 0.2 | 1.73 | 37 | <10 | 150 | 0.9 | 2 | 0.45 | 0.6 | 11 | 19 | 23 | 3.20 | 10 |
| CC32646 | | 0.32 | 0.2 | 1.99 | 24 | <10 | 170 | 0.9 | <2 | 0.41 | <0.5 | 10 | 29 | 24 | 3.38 | 10 |
| CC32647 | | 0.44 | 0.2 | 1.98 | 29 | <10 | 160 | 1.0 | <2 | 0.50 | <0.5 | 11 | 23 | 40 | 3.41 | 10 |
| CC32648 | | 0.30 | 0.3 | 1.80 | 91 | <10 | 110 | 1.3 | <2 | 0.55 | 1.2 | 10 | 19 | 51 | 3.43 | 10 |
| CC32649 | | 0.32 | 0.6 | 2.12 | 96 | <10 | 100 | 1.8 | 2 | 0.60 | 1.6 | 13 | 35 | 110 | 3.66 | 10 |
| CC32650 | | 0.34 | 0.9 | 1.51 | 422 | <10 | 80 | 1.0 | 6 | 0.58 | 6.4 | 16 | 25 | 132 | 3.31 | 10 |
| CC32651 | | 0.52 | 0.3 | 1.90 | 45 | <10 | 200 | 0.5 | <2 | 0.32 | <0.5 | 8 | 29 | 19 | 3.05 | 10 |
| CC32652 | | 0.18 | 0.4 | 0.88 | 22 | <10 | 60 | <0.5 | <2 | 0.13 | <0.5 | 2 | 24 | 10 | 1.68 | 10 |
| CC32653 | | 0.20 | 0.4 | 0.60 | 24 | <10 | 60 | <0.5 | <2 | 0.09 | <0.5 | 1 | 8 | 9 | 1.17 | <10 |
| CC32654 | | 0.26 | 0.3 | 1.53 | 81 | <10 | 110 | 0.5 | <2 | 0.16 | 0.6 | 7 | 20 | 14 | 2.71 | 10 |
| CC32655 | | 0.22 | <0.2 | 1.98 | 30 | <10 | 130 | 0.5 | <2 | 0.25 | <0.5 | 7 | 45 | 13 | 3.17 | 10 |
| CC32656 | | 0.26 | <0.2 | 1.84 | 26 | <10 | 130 | 0.5 | <2 | 0.21 | <0.5 | 6 | 27 | 15 | 3.05 | 10 |
| CC32657 | | 0.24 | 0.8 | 2.08 | 77 | <10 | 180 | 0.7 | 2 | 0.20 | <0.5 | 5 | 30 | 16 | 2.61 | 10 |
| CC32658 | | 0.26 | 0.3 | 1.71 | 6 | <10 | 120 | 0.5 | <2 | 0.08 | <0.5 | 3 | 22 | 22 | 2.51 | 10 |
| CC32659 | | 0.30 | <0.2 | 2.05 | 8 | <10 | 130 | 0.5 | <2 | 0.11 | <0.5 | 6 | 14 | 18 | 2.75 | 10 |
| CC32660 | | 0.32 | 0.2 | 2.27 | 9 | <10 | 90 | 0.6 | 2 | 0.06 | <0.5 | 4 | 13 | 14 | 3.12 | 10 |
| CC32661 | | 0.34 | <0.2 | 2.95 | 22 | <10 | 160 | 0.6 | <2 | 0.10 | <0.5 | 7 | 34 | 24 | 3.62 | 10 |
| CC32662 | | 0.30 | <0.2 | 1.38 | 8 | <10 | 80 | <0.5 | <2 | 0.11 | <0.5 | 3 | 15 | 12 | 2.03 | <10 |
| CC32663 | | 0.26 | 0.4 | 2.42 | 9 | <10 | 330 | 0.6 | <2 | 1.62 | 0.7 | 11 | 15 | 25 | 3.11 | 10 |
| CC32664 | | 0.34 | <0.2 | 6.32 | 13 | <10 | 400 | 1.0 | <2 | 0.52 | <0.5 | 30 | 39 | 31 | 7.75 | 20 |
| CC32665 | | 0.28 | 0.5 | 3.12 | 126 | <10 | 170 | 0.5 | <2 | 0.10 | 0.5 | 12 | 77 | 30 | 4.32 | 10 |
| CC32666 | | 0.34 | <0.2 | 1.09 | 5 | <10 | 100 | <0.5 | <2 | 0.05 | <0.5 | 2 | 9 | 7 | 1.21 | 10 |
| CC32667 | | 0.30 | <0.2 | 2.31 | 3 | <10 | 160 | <0.5 | 2 | 0.15 | <0.5 | 8 | 34 | 16 | 3.23 | 10 |
| CC32668 | | 0.26 | <0.2 | 2.85 | 11 | <10 | 220 | 0.6 | <2 | 0.20 | <0.5 | 14 | 23 | 15 | 3.89 | 10 |
| CC32669 | | 0.22 | <0.2 | 0.26 | 2 | <10 | 30 | <0.5 | <2 | 0.07 | <0.5 | 1 | 2 | 2 | 0.40 | <10 |
| CC32670 | | 0.28 | <0.2 | 2.13 | 12 | <10 | 210 | 0.5 | <2 | 0.32 | <0.5 | 9 | 33 | 18 | 2.80 | 10 |
| CC32671 | | 0.38 | <0.2 | 2.26 | 11 | <10 | 170 | <0.5 | <2 | 0.28 | <0.5 | 9 | 31 | 15 | 2.94 | 10 |
| CC32672 | | 0.40 | <0.2 | 1.85 | 5 | <10 | 180 | 0.5 | <2 | 0.25 | <0.5 | 8 | 23 | 18 | 2.58 | 10 |
| CC32673 | | 0.32 | <0.2 | 2.28 | 16 | <10 | 150 | 0.5 | <2 | 0.19 | <0.5 | 9 | 35 | 16 | 3.06 | 10 |
| CC32674 | | 0.22 | 0.2 | 2.64 | 10 | <10 | 380 | 0.5 | <2 | 1.23 | <0.5 | 12 | 23 | 20 | 3.21 | 10 |
| CC32675 | | 0.24 | <0.2 | 3.77 | 12 | <10 | 340 | 0.5 | <2 | 0.46 | 0.6 | 19 | 26 | 22 | 5.10 | 10 |
| CC32676 | | 0.28 | <0.2 | 2.50 | 5 | <10 | 160 | 1.2 | <2 | 0.09 | 0.6 | 6 | 19 | 10 | 2.85 | 10 |
| CC32677 | | 0.24 | <0.2 | 1.28 | <2 | <10 | 80 | <0.5 | <2 | 0.06 | <0.5 | 2 | 14 | 9 | 1.53 | 10 |
| CC32678 | | 0.34 | <0.2 | 3.75 | 30 | <10 | 400 | 1.1 | <2 | 0.50 | <0.5 | 19 | 36 | 24 | 4.68 | 10 |
| CC32679 | | 0.26 | 0.4 | 2.47 | 19 | <10 | 190 | 0.6 | <2 | 0.15 | 0.5 | 8 | 37 | 15 | 3.63 | 10 |

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| 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 |
| CC32640 | | 1 | 0.47 | 40 | 0.81 | 555 | 1 | 0.03 | 16 | 1080 | 51 | 0.02 | <2 | 6 | 27 | 20 |
| CC32641 | | 1 | 0.33 | 30 | 0.67 | 476 | <1 | 0.03 | 18 | 850 | 27 | 0.02 | <2 | 5 | 25 | <20 |
| CC32642 | | 1 | 0.30 | 30 | 0.67 | 453 | 1 | 0.03 | 19 | 890 | 22 | 0.03 | 2 | 5 | 23 | <20 |
| CC32643 | | <1 | 0.37 | 40 | 0.65 | 472 | 1 | 0.03 | 19 | 940 | 35 | 0.02 | <2 | 5 | 23 | <20 |
| CC32644 | | 1 | 0.36 | 40 | 0.64 | 487 | 1 | 0.03 | 17 | 1110 | 33 | 0.02 | <2 | 5 | 23 | <20 |
| CC32645 | | 1 | 0.41 | 60 | 0.61 | 609 | 1 | 0.03 | 16 | 1010 | 54 | 0.02 | 3 | 5 | 24 | <20 |
| CC32646 | | 1 | 0.42 | 60 | 0.65 | 548 | 1 | 0.03 | 18 | 880 | 32 | 0.02 | <2 | 5 | 23 | <20 |
| CC32647 | | <1 | 0.46 | 70 | 0.74 | 688 | 1 | 0.03 | 17 | 1120 | 49 | 0.02 | 2 | 5 | 25 | 20 |
| CC32648 | | <1 | 0.33 | 120 | 0.63 | 909 | 2 | 0.02 | 17 | 1330 | 55 | 0.01 | 6 | 5 | 26 | 20 |
| CC32649 | | 1 | 0.38 | 150 | 0.69 | 898 | 1 | 0.03 | 20 | 1480 | 71 | 0.02 | 6 | 6 | 31 | 30 |
| CC32650 | | <1 | 0.23 | 30 | 0.59 | 1000 | 1 | 0.04 | 19 | 1360 | 330 | 0.02 | 6 | 5 | 34 | 20 |
| CC32651 | | 1 | 0.15 | 30 | 0.59 | 275 | 1 | 0.03 | 18 | 830 | 89 | 0.04 | <2 | 5 | 24 | <20 |
| CC32652 | | 1 | 0.10 | 10 | 0.17 | 154 | 1 | 0.08 | 5 | 430 | 123 | 0.04 | 3 | 1 | 16 | <20 |
| CC32653 | | <1 | 0.07 | 10 | 0.08 | 71 | 1 | 0.07 | 3 | 400 | 59 | 0.04 | 2 | <1 | 14 | <20 |
| CC32654 | | 1 | 0.12 | 20 | 0.39 | 579 | 1 | 0.02 | 12 | 530 | 102 | 0.03 | 4 | 3 | 12 | <20 |
| CC32655 | | <1 | 0.18 | 20 | 0.61 | 326 | 1 | 0.04 | 16 | 490 | 24 | 0.02 | <2 | 4 | 17 | <20 |
| CC32656 | | <1 | 0.13 | 20 | 0.50 | 283 | 1 | 0.03 | 19 | 440 | 20 | 0.01 | <2 | 4 | 15 | <20 |
| CC32657 | | <1 | 0.11 | 50 | 0.42 | 153 | 2 | 0.04 | 15 | 640 | 71 | 0.06 | <2 | 4 | 24 | <20 |
| CC32658 | | <1 | 0.23 | 30 | 0.55 | 194 | 2 | 0.03 | 7 | 250 | 86 | 0.05 | 2 | 2 | 16 | <20 |
| CC32659 | | <1 | 0.31 | 30 | 1.01 | 265 | 1 | 0.02 | 11 | 200 | 49 | 0.03 | <2 | 2 | 13 | 20 |
| CC32660 | | <1 | 0.20 | 40 | 0.98 | 208 | 1 | 0.03 | 8 | 270 | 24 | 0.02 | <2 | 2 | 9 | 20 |
| CC32661 | | <1 | 0.15 | 20 | 0.49 | 289 | 3 | 0.02 | 19 | 210 | 94 | 0.03 | <2 | 3 | 14 | 20 |
| CC32662 | | 1 | 0.07 | 10 | 0.21 | 155 | 1 | 0.04 | 6 | 180 | 53 | 0.02 | <2 | 2 | 12 | <20 |
| CC32663 | | <1 | 0.21 | 30 | 1.08 | 843 | 1 | 0.05 | 12 | 910 | 20 | 0.08 | 3 | 4 | 54 | <20 |
| CC32664 | | <1 | 0.85 | 30 | 4.40 | 1035 | 2 | 0.02 | 26 | 1540 | 19 | 0.01 | 3 | 14 | 27 | <20 |
| CC32665 | | 1 | 0.10 | 10 | 1.66 | 270 | 5 | 0.03 | 97 | 340 | 15 | 0.06 | <2 | 5 | 20 | <20 |
| CC32666 | | <1 | 0.06 | 10 | 0.27 | 87 | 1 | 0.03 | 3 | 130 | 13 | 0.02 | <2 | 1 | 9 | <20 |
| CC32667 | | <1 | 0.10 | 10 | 0.64 | 280 | 1 | 0.03 | 18 | 260 | 13 | 0.02 | <2 | 4 | 17 | <20 |
| CC32668 | | <1 | 0.35 | 20 | 1.46 | 642 | 1 | 0.03 | 14 | 440 | 12 | 0.02 | 2 | 3 | 18 | <20 |
| CC32669 | | <1 | 0.04 | <10 | 0.04 | 25 | <1 | 0.07 | <1 | 220 | 3 | 0.02 | 3 | <1 | 13 | <20 |
| CC32670 | | 1 | 0.13 | 30 | 0.91 | 267 | 1 | 0.03 | 19 | 540 | 14 | 0.02 | <2 | 4 | 25 | <20 |
| CC32671 | | 1 | 0.15 | 30 | 0.92 | 275 | 2 | 0.03 | 20 | 570 | 17 | 0.02 | <2 | 4 | 22 | <20 |
| CC32672 | | <1 | 0.12 | 30 | 0.81 | 214 | 1 | 0.02 | 15 | 490 | 20 | 0.03 | <2 | 3 | 20 | <20 |
| CC32673 | | <1 | 0.11 | 20 | 0.81 | 229 | 1 | 0.03 | 16 | 400 | 13 | 0.02 | <2 | 4 | 17 | <20 |
| CC32674 | | <1 | 0.29 | 30 | 1.35 | 1210 | 1 | 0.04 | 14 | 750 | 15 | 0.07 | <2 | 5 | 51 | <20 |
| CC32675 | | <1 | 0.54 | 10 | 2.23 | 690 | 2 | 0.03 | 18 | 760 | 11 | 0.02 | <2 | 8 | 25 | <20 |
| CC32676 | | 1 | 0.49 | 20 | 1.60 | 272 | 1 | 0.02 | 8 | 250 | 31 | 0.01 | <2 | 3 | 8 | 20 |
| CC32677 | | <1 | 0.07 | 10 | 0.49 | 94 | 1 | 0.03 | 7 | 160 | 15 | 0.02 | <2 | 1 | 10 | <20 |
| CC32678 | | <1 | 0.36 | 30 | 2.37 | 726 | 1 | 0.02 | 21 | 600 | 18 | 0.01 | 5 | 7 | 28 | <20 |
| CC32679 | | <1 | 0.15 | 20 | 0.60 | 295 | 1 | 0.03 | 18 | 250 | 33 | 0.02 | <2 | 3 | 17 | <20 |

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

Project: CONNAUGHT


Finalized Date: 16-SEP-2007
Account: RCM

## CERTIFICATE OF ANALYSIS VA07087143

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Pb-OG46 |
|---|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn | Pb |
| | Units | % | ppm | ppm | ppm | ppm | ppm | % |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 | 0.01 |
| CC32640 | | 0.14 | <10 | <10 | 49 | <10 | 99 | |
| CC32641 | | 0.13 | 10 | <10 | 51 | <10 | 82 | |
| CC32642 | | 0.14 | <10 | <10 | 57 | <10 | 78 | |
| CC32643 | | 0.15 | <10 | <10 | 54 | <10 | 152 | |
| CC32644 | | 0.13 | <10 | <10 | 51 | <10 | 133 | |
| CC32645 | | 0.12 | <10 | <10 | 42 | <10 | 129 | |
| CC32646 | | 0.13 | <10 | <10 | 47 | <10 | 105 | |
| CC32647 | | 0.14 | <10 | <10 | 46 | <10 | 113 | |
| CC32648 | | 0.09 | <10 | <10 | 39 | <10 | 196 | |
| CC32649 | | 0.09 | <10 | <10 | 43 | <10 | 412 | |
| CC32650 | | 0.12 | <10 | <10 | 51 | <10 | 614 | |
| CC32651 | | 0.11 | <10 | <10 | 55 | <10 | 104 | |
| CC32652 | | 0.07 | <10 | <10 | 35 | <10 | 41 | |
| CC32653 | | 0.03 | <10 | <10 | 17 | <10 | 27 | |
| CC32654 | | 0.08 | <10 | <10 | 44 | <10 | 91 | |
| CC32655 | | 0.13 | <10 | <10 | 61 | <10 | 61 | |
| CC32656 | | 0.10 | <10 | <10 | 57 | <10 | 58 | |
| CC32657 | | 0.07 | <10 | <10 | 44 | <10 | 81 | |
| CC32658 | | 0.06 | <10 | <10 | 36 | <10 | 91 | |
| CC32659 | | 0.11 | <10 | <10 | 38 | <10 | 69 | |
| CC32660 | | 0.11 | <10 | <10 | 45 | <10 | 63 | |
| CC32661 | | 0.08 | <10 | <10 | 60 | <10 | 85 | |
| CC32662 | | 0.08 | <10 | <10 | 50 | <10 | 41 | |
| CC32663 | | 0.09 | <10 | <10 | 56 | 10 | 89 | |
| CC32664 | | 0.27 | <10 | <10 | 159 | <10 | 131 | |
| CC32665 | | 0.11 | <10 | <10 | 100 | <10 | 96 | |
| CC32666 | | 0.07 | <10 | <10 | 41 | <10 | 20 | |
| CC32667 | | 0.10 | <10 | <10 | 63 | <10 | 54 | |
| CC32668 | | 0.14 | <10 | <10 | 63 | <10 | 67 | |
| CC32669 | | 0.02 | <10 | <10 | 10 | <10 | 6 | |
| CC32670 | | 0.11 | <10 | <10 | 56 | <10 | 71 | |
| CC32671 | | 0.10 | <10 | <10 | 61 | <10 | 69 | |
| CC32672 | | 0.10 | <10 | <10 | 47 | <10 | 67 | |
| CC32673 | | 0.11 | <10 | <10 | 61 | <10 | 67 | |
| CC32674 | | 0.12 | <10 | <10 | 65 | <10 | 74 | |
| CC32675 | | 0.19 | <10 | <10 | 105 | <10 | 117 | |
| CC32676 | | 0.08 | <10 | <10 | 26 | <10 | 324 | |
| CC32677 | | 0.06 | <10 | <10 | 39 | <10 | 28 | |
| CC32678 | | 0.17 | <10 | <10 | 89 | <10 | 85 | |
| CC32679 | | 0.08 | <10 | <10 | 64 | <10 | 82 | |

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To: ATAC RESOURCES LTD.
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8


Finalized Date: 16-SEP-2007
Account: RCM

Project: CONNAUGHT

## CERTIFICATE OF ANALYSIS VA07087143

| 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 |
| CC32680 | | 0.36 | <0.2 | 1.94 | 46 | <10 | 140 | 0.9 | <2 | 0.09 | <0.5 | 7 | 19 | 17 | 2.48 | <10 |
| CC32681 | | 0.42 | 0.2 | 0.99 | 8 | <10 | 60 | 0.6 | <2 | 0.06 | <0.5 | 2 | 5 | 27 | 1.69 | <10 |
| CC32682 | | 0.22 | 0.2 | 0.99 | 5 | <10 | 50 | <0.5 | <2 | 0.07 | <0.5 | 2 | 13 | 6 | 1.36 | 10 |
| CC32683 | | 0.26 | <0.2 | 1.34 | 11 | <10 | 110 | <0.5 | 2 | 0.09 | <0.5 | 4 | 16 | 11 | 2.41 | 10 |
| CC32684 | | 0.28 | <0.2 | 2.21 | 2 | <10 | 140 | 0.6 | <2 | 0.09 | <0.5 | 5 | 10 | 16 | 2.87 | 10 |
| CC32685 | | 0.08 | 0.9 | 2.07 | 19 | <10 | 500 | 1.0 | <2 | 2.27 | 2.5 | 15 | 34 | 34 | 2.53 | <10 |
| CC32686 | | 0.26 | 1.3 | 2.68 | 95 | <10 | 220 | 1.1 | 3 | 0.24 | <0.5 | 6 | 33 | 22 | 3.35 | 10 |
| CC32687 | | 0.30 | <0.2 | 2.38 | 50 | <10 | 160 | 0.8 | 2 | 0.16 | <0.5 | 11 | 32 | 17 | 3.45 | 10 |
| CC32688 | | 0.28 | <0.2 | 2.44 | 34 | <10 | 230 | 0.9 | <2 | 0.33 | <0.5 | 10 | 49 | 20 | 3.57 | 10 |
| CC32689 | | 0.32 | 0.3 | 1.90 | 54 | <10 | 140 | 0.9 | 2 | 0.22 | <0.5 | 6 | 25 | 15 | 3.01 | 10 |
| CC32690 | | 0.26 | 0.3 | 1.30 | 105 | <10 | 110 | 0.5 | <2 | 0.14 | 0.9 | 5 | 16 | 13 | 2.30 | 10 |
| CC32691 | | 0.24 | <0.2 | 2.01 | 40 | <10 | 170 | <0.5 | <2 | 0.26 | <0.5 | 7 | 40 | 10 | 3.00 | 10 |
| CC32692 | | 0.30 | 0.3 | 1.83 | 34 | <10 | 170 | <0.5 | <2 | 0.23 | 0.5 | 8 | 25 | 11 | 2.69 | 10 |
| CC32693 | | 0.30 | 0.3 | 1.82 | 48 | <10 | 160 | <0.5 | <2 | 0.20 | 0.5 | 7 | 26 | 12 | 2.66 | 10 |
| CC32694 | | 0.32 | 0.7 | 1.45 | 94 | <10 | 100 | 0.6 | 2 | 0.16 | 0.7 | 4 | 40 | 14 | 2.41 | 10 |
| CC32695 | | 0.38 | 0.3 | 1.91 | 49 | <10 | 200 | 0.7 | 2 | 0.19 | 0.7 | 4 | 20 | 15 | 2.35 | 10 |
| CC32696 | | 0.38 | 0.2 | 1.93 | 17 | <10 | 100 | 0.5 | <2 | 0.09 | <0.5 | 4 | 22 | 13 | 2.91 | 10 |
| CC32697 | | 0.30 | <0.2 | 0.62 | 12 | <10 | 50 | <0.5 | <2 | 0.11 | <0.5 | 2 | 17 | 5 | 0.95 | <10 |
| CC32698 | | 0.34 | 0.5 | 0.58 | 6 | <10 | 40 | <0.5 | <2 | 0.09 | <0.5 | 2 | 7 | 6 | 1.12 | <10 |
| CC32699 | | 0.26 | 0.2 | 2.07 | 50 | <10 | 230 | 1.1 | <2 | 0.26 | 0.9 | 9 | 30 | 22 | 2.67 | 10 |
| CC32700 | | 0.30 | <0.2 | 0.50 | 11 | <10 | 40 | <0.5 | <2 | 0.09 | <0.5 | 2 | 12 | 6 | 1.01 | <10 |
| CC32701 | | 0.36 | 0.2 | 1.17 | 11 | <10 | 80 | <0.5 | <2 | 0.15 | <0.5 | 4 | 13 | 12 | 2.02 | 10 |
| CC32702 | | 0.42 | <0.2 | 0.63 | 2 | <10 | 70 | <0.5 | <2 | 0.04 | <0.5 | 1 | 6 | 5 | 0.82 | <10 |
| CC32703 | | 0.44 | <0.2 | 0.61 | <2 | <10 | 40 | <0.5 | <2 | 0.07 | <0.5 | 2 | 8 | 6 | 0.75 | <10 |
| CC32704 | | 0.40 | <0.2 | 2.16 | 9 | <10 | 90 | 0.5 | <2 | 0.06 | <0.5 | 5 | 23 | 14 | 3.13 | 10 |
| CC32705 | | 0.48 | 0.2 | 1.34 | 40 | <10 | 100 | 0.5 | <2 | 0.09 | <0.5 | 4 | 14 | 35 | 2.01 | <10 |
| CC32706 | | 0.38 | 0.7 | 1.36 | 5 | <10 | 80 | <0.5 | <2 | 0.12 | <0.5 | 4 | 23 | 46 | 2.04 | <10 |
| CC32707 | | 0.40 | <0.2 | 1.74 | 9 | <10 | 120 | <0.5 | <2 | 0.15 | <0.5 | 7 | 14 | 8 | 2.44 | 10 |
| CC32708 | | 0.46 | <0.2 | 4.30 | 24 | <10 | 290 | 0.8 | <2 | 0.46 | <0.5 | 21 | 34 | 33 | 5.67 | 10 |
| CC32709 | | 0.46 | <0.2 | 3.49 | 15 | <10 | 400 | 0.8 | <2 | 0.43 | <0.5 | 18 | 38 | 28 | 4.77 | 10 |
| CC32710 | | 0.38 | <0.2 | 3.05 | 8 | <10 | 300 | 0.7 | <2 | 0.53 | <0.5 | 14 | 27 | 27 | 3.85 | 10 |
| CC32711 | | 0.48 | 0.2 | 1.35 | 13 | <10 | 270 | <0.5 | <2 | 0.66 | <0.5 | 7 | 15 | 14 | 1.24 | <10 |
| CC32712 | | 0.34 | 0.2 | 1.31 | 9 | <10 | 180 | <0.5 | <2 | 0.47 | <0.5 | 5 | 23 | 15 | 1.79 | <10 |
| CC32713 | | 0.32 | 0.9 | 0.97 | 20 | <10 | 220 | <0.5 | <2 | 0.51 | <0.5 | 3 | 10 | 31 | 2.31 | <10 |
| CC32714 | | 0.54 | 0.3 | 1.88 | 6 | <10 | 210 | <0.5 | <2 | 0.36 | <0.5 | 7 | 67 | 23 | 2.57 | 10 |
| CC32715 | | 0.32 | 0.5 | 1.31 | 12 | <10 | 280 | <0.5 | <2 | 0.92 | <0.5 | 6 | 26 | 31 | 2.13 | <10 |
| CC32716 | | 0.42 | 0.2 | 2.16 | 8 | <10 | 290 | 0.5 | <2 | 0.60 | <0.5 | 8 | 25 | 23 | 2.56 | 10 |
| CC32717 | | 0.44 | <0.2 | 3.45 | 10 | <10 | 290 | 0.7 | <2 | 0.59 | <0.5 | 19 | 35 | 20 | 5.17 | 10 |
| CC32718 | | 0.30 | 0.5 | 1.09 | 81 | <10 | 120 | 0.5 | 2 | 0.14 | 0.6 | 4 | 40 | 13 | 2.11 | 10 |
| CC32719 | | 0.20 | 0.6 | 1.29 | 10 | <10 | 190 | 0.6 | <2 | 0.20 | 2.3 | 3 | 18 | 18 | 1.77 | 10 |

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Project: CONNAUGHT


Finalized Date: 16-SEP-2007
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## CERTIFICATE OF ANALYSIS VA07087143

| 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 |
| CC32680 | | <1 | 0.18 | 50 | 0.53 | 335 | 3 | 0.02 | 17 | 160 | 74 | 0.02 | 4 | 2 | 11 | 20 |
| CC32681 | | <1 | 0.20 | 80 | 0.21 | 253 | 2 | 0.01 | 3 | 130 | 68 | 0.02 | 2 | 1 | 7 | 50 |
| CC32682 | | <1 | 0.06 | 10 | 0.10 | 248 | 1 | 0.05 | 3 | 180 | 9 | 0.01 | 2 | 1 | 11 | <20 |
| CC32683 | | 1 | 0.08 | 10 | 0.26 | 264 | 1 | 0.04 | 8 | 200 | 17 | 0.01 | 2 | 2 | 12 | <20 |
| CC32684 | | 1 | 0.32 | 20 | 1.18 | 269 | 1 | 0.02 | 7 | 170 | 30 | 0.03 | <2 | 2 | 10 | <20 |
| CC32685 | | 1 | 0.10 | 60 | 0.39 | 5580 | 4 | 0.05 | 28 | 1550 | 41 | 0.19 | 2 | 4 | 77 | <20 |
| CC32686 | | <1 | 0.15 | 70 | 0.45 | 290 | 2 | 0.04 | 16 | 720 | 143 | 0.07 | 2 | 5 | 27 | <20 |
| CC32687 | | <1 | 0.16 | 30 | 0.53 | 552 | 2 | 0.04 | 19 | 390 | 25 | 0.02 | <2 | 4 | 17 | 20 |
| CC32688 | | <1 | 0.18 | 50 | 0.70 | 473 | 3 | 0.03 | 22 | 470 | 24 | 0.02 | 2 | 6 | 26 | 20 |
| CC32689 | | <1 | 0.16 | 50 | 0.54 | 405 | 2 | 0.03 | 13 | 470 | 123 | 0.01 | <2 | 4 | 16 | 20 |
| CC32690 | | 1 | 0.14 | 20 | 0.29 | 305 | 2 | 0.03 | 10 | 500 | 134 | 0.03 | 4 | 3 | 11 | <20 |
| CC32691 | | <1 | 0.14 | 30 | 0.54 | 179 | 1 | 0.03 | 15 | 600 | 69 | 0.03 | <2 | 4 | 21 | <20 |
| CC32692 | | <1 | 0.12 | 30 | 0.51 | 164 | 2 | 0.02 | 15 | 560 | 68 | 0.03 | 3 | 3 | 20 | <20 |
| CC32693 | | <1 | 0.14 | 20 | 0.52 | 209 | 1 | 0.04 | 15 | 480 | 74 | 0.04 | <2 | 3 | 20 | <20 |
| CC32694 | | <1 | 0.16 | 30 | 0.32 | 235 | 2 | 0.04 | 11 | 570 | 167 | 0.04 | 4 | 3 | 13 | <20 |
| CC32695 | | <1 | 0.15 | 60 | 0.32 | 144 | 2 | 0.06 | 11 | 410 | 38 | 0.04 | 5 | 3 | 26 | <20 |
| CC32696 | | <1 | 0.11 | 20 | 0.28 | 189 | 2 | 0.05 | 11 | 290 | 16 | 0.02 | <2 | 3 | 12 | <20 |
| CC32697 | | 1 | 0.06 | 20 | 0.09 | 62 | 1 | 0.09 | 3 | 220 | 6 | 0.02 | 2 | 1 | 18 | <20 |
| CC32698 | | <1 | 0.05 | <10 | 0.09 | 71 | 1 | 0.08 | 2 | 210 | 65 | 0.02 | <2 | 1 | 14 | <20 |
| CC32699 | | <1 | 0.14 | 90 | 0.40 | 957 | 2 | 0.06 | 15 | 490 | 29 | 0.03 | 4 | 4 | 32 | <20 |
| CC32700 | | <1 | 0.05 | <10 | 0.07 | 66 | 1 | 0.08 | 3 | 280 | 13 | 0.03 | <2 | <1 | 16 | <20 |
| CC32701 | | <1 | 0.10 | 10 | 0.22 | 187 | 6 | 0.04 | 7 | 230 | 19 | 0.02 | <2 | 2 | 14 | <20 |
| CC32702 | | <1 | 0.09 | 20 | 0.09 | 70 | 1 | 0.03 | 3 | 100 | 15 | 0.01 | <2 | 1 | 8 | <20 |
| CC32703 | | <1 | 0.05 | 10 | 0.09 | 45 | <1 | 0.07 | 3 | 180 | 6 | 0.01 | <2 | <1 | 15 | <20 |
| CC32704 | | 1 | 0.08 | 10 | 0.31 | 230 | 1 | 0.02 | 13 | 210 | 20 | 0.01 | <2 | 2 | 10 | <20 |
| CC32705 | | <1 | 0.18 | 30 | 0.37 | 197 | 2 | 0.02 | 9 | 140 | 171 | 0.07 | <2 | 2 | 11 | 20 |
| CC32706 | | <1 | 0.10 | 20 | 0.32 | 216 | 1 | 0.03 | 12 | 280 | 311 | 0.05 | <2 | 2 | 13 | <20 |
| CC32707 | | 1 | 0.13 | 10 | 0.78 | 183 | <1 | 0.06 | 9 | 210 | 14 | 0.01 | <2 | 3 | 17 | <20 |
| CC32708 | | <1 | 0.23 | 20 | 2.38 | 569 | 2 | 0.03 | 26 | 590 | 18 | 0.02 | <2 | 7 | 29 | <20 |
| CC32709 | | 1 | 0.33 | 30 | 1.78 | 762 | 1 | 0.03 | 26 | 550 | 16 | 0.02 | <2 | 8 | 27 | <20 |
| CC32710 | | <1 | 0.40 | 10 | 1.76 | 405 | 1 | 0.04 | 19 | 430 | 30 | 0.02 | <2 | 6 | 29 | <20 |
| CC32711 | | <1 | 0.12 | 10 | 0.59 | 745 | <1 | 0.05 | 11 | 560 | 12 | 0.05 | <2 | 2 | 31 | <20 |
| CC32712 | | 1 | 0.14 | 20 | 0.52 | 261 | 1 | 0.04 | 8 | 420 | 73 | 0.04 | <2 | 2 | 32 | <20 |
| CC32713 | | <1 | 0.09 | 30 | 0.20 | 167 | 1 | 0.06 | 7 | 780 | 239 | 0.09 | 12 | 2 | 40 | <20 |
| CC32714 | | 1 | 0.22 | 20 | 1.02 | 300 | 1 | 0.03 | 27 | 410 | 52 | 0.03 | 3 | 4 | 25 | <20 |
| CC32715 | | 1 | 0.12 | 20 | 0.38 | 392 | 2 | 0.04 | 10 | 670 | 124 | 0.07 | 2 | 2 | 48 | <20 |
| CC32716 | | <1 | 0.16 | 30 | 1.00 | 521 | 1 | 0.04 | 14 | 560 | 26 | 0.06 | <2 | 4 | 41 | <20 |
| CC32717 | | <1 | 0.38 | 20 | 1.77 | 550 | <1 | 0.03 | 23 | 550 | 16 | 0.03 | <2 | 8 | 32 | <20 |
| CC32718 | | <1 | 0.13 | 20 | 0.19 | 225 | 1 | 0.03 | 9 | 470 | 140 | 0.03 | 3 | 2 | 15 | <20 |
| CC32719 | | 1 | 0.11 | 50 | 0.23 | 140 | 1 | 0.04 | 11 | 540 | 47 | 0.04 | <2 | 2 | 28 | <20 |

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## CERTIFICATE OF ANALYSIS VA07087143

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Pb-OG46 |
|---|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn | Pb |
| | Units | % | ppm | ppm | ppm | ppm | ppm | % |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 | 0.01 |
| CC32680 | | 0.03 | <10 | <10 | 33 | <10 | 138 | |
| CC32681 | | 0.02 | <10 | <10 | 10 | <10 | 101 | |
| CC32682 | | 0.06 | <10 | <10 | 33 | <10 | 18 | |
| CC32683 | | 0.10 | <10 | <10 | 57 | <10 | 36 | |
| CC32684 | | 0.10 | <10 | <10 | 37 | <10 | 62 | |
| CC32685 | | 0.04 | <10 | <10 | 40 | <10 | 91 | |
| CC32686 | | 0.07 | <10 | <10 | 52 | <10 | 105 | |
| CC32687 | | 0.11 | <10 | <10 | 67 | <10 | 68 | |
| CC32688 | | 0.12 | <10 | <10 | 65 | <10 | 78 | |
| CC32689 | | 0.10 | <10 | <10 | 47 | <10 | 73 | |
| CC32690 | | 0.06 | <10 | <10 | 38 | <10 | 78 | |
| CC32691 | | 0.10 | <10 | <10 | 53 | <10 | 96 | |
| CC32692 | | 0.09 | <10 | <10 | 50 | <10 | 96 | |
| CC32693 | | 0.09 | <10 | <10 | 53 | <10 | 92 | |
| CC32694 | | 0.07 | <10 | <10 | 37 | <10 | 83 | |
| CC32695 | | 0.06 | <10 | <10 | 39 | <10 | 63 | |
| CC32696 | | 0.09 | <10 | <10 | 67 | <10 | 42 | |
| CC32697 | | 0.04 | <10 | <10 | 18 | <10 | 13 | |
| CC32698 | | 0.05 | <10 | <10 | 24 | <10 | 16 | |
| CC32699 | | 0.08 | <10 | <10 | 52 | <10 | 64 | |
| CC32700 | | 0.03 | <10 | <10 | 21 | <10 | 19 | |
| CC32701 | | 0.06 | <10 | <10 | 59 | <10 | 31 | |
| CC32702 | | 0.05 | <10 | <10 | 24 | <10 | 15 | |
| CC32703 | | 0.04 | <10 | <10 | 15 | <10 | 12 | |
| CC32704 | | 0.08 | <10 | <10 | 62 | <10 | 54 | |
| CC32705 | | 0.05 | <10 | <10 | 30 | <10 | 102 | |
| CC32706 | | 0.06 | <10 | <10 | 38 | <10 | 76 | |
| CC32707 | | 0.10 | <10 | <10 | 51 | <10 | 55 | |
| CC32708 | | 0.19 | <10 | <10 | 113 | <10 | 118 | |
| CC32709 | | 0.16 | <10 | <10 | 96 | <10 | 99 | |
| CC32710 | | 0.13 | <10 | <10 | 73 | <10 | 142 | |
| CC32711 | | 0.06 | <10 | <10 | 25 | <10 | 70 | |
| CC32712 | | 0.06 | <10 | <10 | 33 | <10 | 74 | |
| CC32713 | | 0.04 | <10 | <10 | 21 | <10 | 23 | |
| CC32714 | | 0.08 | <10 | <10 | 52 | <10 | 68 | |
| CC32715 | | 0.04 | <10 | <10 | 33 | <10 | 77 | |
| CC32716 | | 0.07 | <10 | <10 | 46 | <10 | 157 | |
| CC32717 | | 0.17 | <10 | <10 | 101 | <10 | 98 | |
| CC32718 | | 0.06 | <10 | <10 | 34 | <10 | 71 | |
| CC32719 | | 0.05 | <10 | <10 | 37 | <10 | 90 | |

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

Project: CONNAUGHT



## CERTIFICATE OF ANALYSIS VA07087143

| 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 |
| CC32720 | | 0.28 | 0.3 | 2.34 | 22 | <10 | 170 | 0.7 | <2 | 0.09 | <0.5 | 4 | 23 | 16 | 2.62 | 10 |
| CC32721 | | 0.38 | 0.2 | 0.75 | 32 | <10 | 70 | <0.5 | <2 | 0.08 | <0.5 | 2 | 8 | 7 | 1.11 | <10 |
| CC32722 | | 0.26 | 0.2 | 0.49 | 3 | <10 | 30 | <0.5 | <2 | 0.34 | <0.5 | 1 | 9 | 4 | 0.72 | <10 |
| CC32723 | | 0.30 | 0.2 | 0.90 | 4 | <10 | 60 | <0.5 | <2 | 0.09 | <0.5 | 3 | 9 | 6 | 1.34 | 10 |
| CC32724 | | 0.34 | <0.2 | 1.38 | 11 | <10 | 70 | 0.5 | <2 | 0.12 | <0.5 | 4 | 20 | 11 | 2.09 | 10 |
| CC32725 | | 0.32 | <0.2 | 0.97 | 6 | <10 | 50 | <0.5 | <2 | 0.10 | <0.5 | 3 | 16 | 7 | 1.28 | <10 |
| CC32726 | | 0.30 | 0.3 | 2.29 | 12 | <10 | 150 | 0.6 | <2 | 0.18 | <0.5 | 11 | 61 | 36 | 3.04 | 10 |
| CC32727 | | 0.40 | <0.2 | 2.92 | 9 | <10 | 130 | 0.8 | <2 | 0.11 | <0.5 | 15 | 90 | 44 | 3.74 | 10 |
| CC32728 | | 0.46 | 0.3 | 1.13 | 6 | <10 | 100 | 0.5 | <2 | 0.07 | <0.5 | 2 | 19 | 21 | 1.90 | <10 |
| CC32729 | | 0.36 | <0.2 | 0.47 | <2 | <10 | 30 | <0.5 | <2 | 0.05 | <0.5 | 1 | 4 | 3 | 0.62 | <10 |
| CC32730 | | 0.44 | <0.2 | 0.82 | 3 | <10 | 50 | <0.5 | <2 | 0.06 | <0.5 | 2 | 7 | 5 | 0.99 | <10 |
| CC32731 | | 0.42 | <0.2 | 0.93 | <2 | <10 | 60 | <0.5 | <2 | 0.04 | <0.5 | 1 | 16 | 6 | 1.17 | <10 |
| CC32732 | | 0.36 | 0.3 | 0.62 | 2 | <10 | 40 | <0.5 | <2 | 0.07 | <0.5 | 2 | 6 | 8 | 1.25 | <10 |
| CC32733 | | 0.36 | 0.2 | 1.41 | 6 | <10 | 160 | <0.5 | <2 | 0.35 | <0.5 | 4 | 14 | 12 | 1.84 | 10 |
| CC32734 | | 0.46 | 0.2 | 1.19 | 8 | <10 | 140 | <0.5 | <2 | 0.33 | <0.5 | 3 | 18 | 11 | 1.50 | <10 |
| CC32735 | | 0.22 | 0.7 | 1.70 | 9 | <10 | 250 | 0.6 | <2 | 0.77 | 0.7 | 7 | 18 | 42 | 2.43 | <10 |
| CC32736 | | 0.36 | 0.8 | 1.63 | 7 | <10 | 190 | 0.5 | <2 | 0.46 | <0.5 | 5 | 18 | 27 | 2.21 | <10 |
| CC32737 | | 0.24 | 0.2 | 2.92 | 12 | <10 | 290 | 1.0 | <2 | 0.68 | <0.5 | 17 | 35 | 24 | 3.98 | 10 |
| CC32738 | | 0.32 | <0.2 | 0.55 | 3 | <10 | 80 | <0.5 | <2 | 0.19 | <0.5 | 2 | 7 | 10 | 0.89 | <10 |
| CC32739 | | 0.34 | <0.2 | 0.90 | 4 | <10 | 60 | <0.5 | <2 | 0.08 | <0.5 | 2 | 12 | 10 | 1.69 | 10 |
| CC32740 | | 0.42 | <0.2 | 1.95 | 10 | <10 | 120 | <0.5 | <2 | 0.11 | <0.5 | 6 | 30 | 16 | 2.90 | 10 |
| CC32741 | | 0.34 | <0.2 | 0.50 | 2 | <10 | 30 | <0.5 | <2 | 0.05 | <0.5 | 1 | 5 | 4 | 0.74 | <10 |
| CC32742 | | 0.50 | 0.5 | 1.01 | 31 | <10 | 70 | <0.5 | <2 | 0.06 | <0.5 | 1 | 8 | 19 | 1.46 | <10 |
| CC32743 | | 0.44 | 0.2 | 1.65 | 15 | <10 | 90 | <0.5 | <2 | 0.07 | <0.5 | 4 | 27 | 15 | 2.55 | 10 |
| CC32744 | | 0.42 | <0.2 | 1.84 | 5 | <10 | 90 | 0.7 | <2 | 0.08 | <0.5 | 3 | 7 | 8 | 1.65 | <10 |
| CC32745 | | 0.40 | 0.7 | 2.05 | 92 | <10 | 170 | 0.8 | <2 | 0.12 | <0.5 | 8 | 15 | 38 | 2.91 | 10 |
| CC32746 | | 0.38 | <0.2 | 2.00 | 16 | <10 | 150 | 0.7 | <2 | 0.12 | <0.5 | 8 | 33 | 20 | 2.92 | 10 |
| CC32747 | | 0.58 | 0.4 | 1.76 | 50 | <10 | 260 | 0.7 | <2 | 0.41 | <0.5 | 7 | 33 | 31 | 2.93 | 10 |
| CC32748 | | 0.30 | 0.2 | 0.86 | 46 | <10 | 60 | <0.5 | <2 | 0.08 | <0.5 | 2 | 10 | 13 | 1.33 | <10 |
| CC32749 | | 0.34 | 0.2 | 2.24 | 102 | <10 | 170 | 1.0 | <2 | 0.12 | <0.5 | 6 | 36 | 22 | 2.79 | 10 |
| CC32750 | | 0.32 | 0.2 | 0.42 | 5 | <10 | 30 | <0.5 | <2 | 0.07 | <0.5 | 1 | 5 | 6 | 0.89 | <10 |
| CC32751 | | 0.40 | 0.2 | 1.54 | 6 | <10 | 130 | <0.5 | <2 | 0.11 | <0.5 | 4 | 17 | 11 | 2.38 | 10 |
| CC32752 | | 0.44 | <0.2 | 1.51 | 10 | <10 | 100 | <0.5 | <2 | 0.10 | <0.5 | 4 | 24 | 11 | 2.59 | 10 |
| CC32753 | | 0.30 | 0.2 | 0.73 | <2 | <10 | 60 | <0.5 | <2 | 0.08 | <0.5 | 2 | 8 | 6 | 1.11 | <10 |
| CC32754 | | 0.28 | 0.2 | 1.15 | 7 | <10 | 80 | <0.5 | 2 | 0.08 | <0.5 | 2 | 12 | 8 | 1.46 | 10 |
| CC32755 | | 0.32 | 0.3 | 0.99 | 3 | <10 | 70 | <0.5 | <2 | 0.09 | <0.5 | 1 | 15 | 7 | 1.33 | 10 |
| CC32756 | | 0.22 | 0.2 | 1.87 | 37 | <10 | 110 | <0.5 | <2 | 0.13 | <0.5 | 8 | 23 | 10 | 2.80 | 10 |
| CC32757 | | 0.22 | 0.2 | 1.17 | 3 | <10 | 80 | <0.5 | 2 | 0.07 | <0.5 | 1 | 10 | 13 | 1.54 | <10 |
| CC32758 | | 0.26 | 0.2 | 1.46 | 2 | <10 | 140 | 0.5 | <2 | 0.17 | <0.5 | 6 | 30 | 12 | 2.45 | 10 |
| CC32759 | | 0.18 | 0.5 | 1.16 | 3 | <10 | 100 | 0.5 | <2 | 0.10 | <0.5 | 2 | 15 | 17 | 1.61 | <10 |

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VANCOUVER BC V6B 1L8

Project: CONNAUGHT


Finalized Date: 16-SEP-2007
Account: RCM

## CERTIFICATE OF ANALYSIS VA07087143

| 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 |
| CC32720 | | <1 | 0.12 | 40 | 0.30 | 270 | 1 | 0.05 | 14 | 250 | 31 | 0.01 | <2 | 4 | 16 | <20 |
| CC32721 | | 1 | 0.07 | 30 | 0.11 | 93 | <1 | 0.06 | 4 | 210 | 36 | 0.02 | <2 | 1 | 15 | <20 |
| CC32722 | | <1 | 0.04 | 10 | 0.11 | 52 | <1 | 0.09 | 2 | 130 | 6 | 0.01 | <2 | 1 | 18 | <20 |
| CC32723 | | 1 | 0.06 | 10 | 0.10 | 276 | 1 | 0.07 | 3 | 170 | 7 | 0.01 | <2 | 1 | 15 | <20 |
| CC32724 | | <1 | 0.10 | 30 | 0.30 | 164 | 1 | 0.05 | 10 | 230 | 18 | 0.01 | <2 | 3 | 14 | <20 |
| CC32725 | | <1 | 0.06 | 30 | 0.14 | 123 | <1 | 0.06 | 5 | 180 | 10 | 0.01 | <2 | 2 | 14 | <20 |
| CC32726 | | 1 | 0.16 | 20 | 1.20 | 604 | 1 | 0.03 | 27 | 490 | 56 | 0.03 | <2 | 4 | 17 | <20 |
| CC32727 | | 1 | 0.22 | 20 | 1.94 | 1010 | 2 | 0.02 | 36 | 320 | 45 | 0.03 | <2 | 5 | 11 | <20 |
| CC32728 | | <1 | 0.25 | 40 | 0.56 | 146 | 1 | 0.02 | 5 | 400 | 121 | 0.12 | <2 | 1 | 24 | <20 |
| CC32729 | | <1 | 0.05 | 10 | 0.09 | 50 | <1 | 0.05 | 1 | 130 | 9 | 0.01 | <2 | <1 | 9 | <20 |
| CC32730 | | <1 | 0.12 | 10 | 0.25 | 167 | <1 | 0.05 | 3 | 130 | 19 | 0.01 | <2 | 1 | 11 | <20 |
| CC32731 | | <1 | 0.17 | 20 | 0.31 | 100 | <1 | 0.04 | 3 | 130 | 26 | 0.02 | <2 | 1 | 11 | <20 |
| CC32732 | | <1 | 0.08 | 10 | 0.14 | 145 | 2 | 0.06 | 3 | 140 | 26 | 0.01 | <2 | 1 | 12 | <20 |
| CC32733 | | <1 | 0.08 | 10 | 0.25 | 198 | 1 | 0.05 | 9 | 220 | 14 | 0.02 | <2 | 2 | 30 | <20 |
| CC32734 | | <1 | 0.07 | 10 | 0.19 | 159 | <1 | 0.06 | 8 | 200 | 12 | 0.02 | <2 | 2 | 29 | <20 |
| CC32735 | | 1 | 0.17 | 60 | 0.41 | 545 | 3 | 0.05 | 13 | 660 | 57 | 0.07 | 3 | 3 | 45 | <20 |
| CC32736 | | <1 | 0.16 | 40 | 0.45 | 246 | 2 | 0.03 | 11 | 400 | 62 | 0.04 | 2 | 3 | 31 | <20 |
| CC32737 | | <1 | 0.22 | 40 | 1.45 | 1540 | 1 | 0.04 | 15 | 580 | 28 | 0.05 | <2 | 5 | 38 | <20 |
| CC32738 | | <1 | 0.05 | 10 | 0.10 | 249 | <1 | 0.05 | 4 | 190 | 10 | 0.01 | <2 | <1 | 18 | <20 |
| CC32739 | | <1 | 0.07 | 10 | 0.16 | 98 | 1 | 0.04 | 6 | 170 | 14 | 0.01 | <2 | 1 | 12 | <20 |
| CC32740 | | <1 | 0.09 | 10 | 0.38 | 281 | 1 | 0.02 | 17 | 200 | 17 | 0.01 | <2 | 3 | 14 | <20 |
| CC32741 | | <1 | 0.05 | <10 | 0.06 | 53 | <1 | 0.05 | 2 | 110 | 6 | 0.01 | <2 | 1 | 10 | <20 |
| CC32742 | | 1 | 0.18 | 30 | 0.33 | 139 | 4 | 0.01 | 5 | 130 | 113 | 0.03 | <2 | 1 | 8 | <20 |
| CC32743 | | 1 | 0.11 | 20 | 0.29 | 190 | 2 | 0.01 | 9 | 150 | 31 | 0.01 | <2 | 2 | 10 | <20 |
| CC32744 | | <1 | 0.42 | 60 | 1.28 | 264 | <1 | 0.01 | 5 | 200 | 34 | <0.01 | <2 | 1 | 12 | 20 |
| CC32745 | | 1 | 0.32 | 50 | 0.65 | 394 | 1 | 0.02 | 9 | 530 | 328 | 0.05 | 11 | 3 | 16 | <20 |
| CC32746 | | 1 | 0.24 | 30 | 0.72 | 482 | 1 | 0.02 | 13 | 330 | 69 | 0.01 | <2 | 3 | 16 | <20 |
| CC32747 | | 1 | 0.12 | 40 | 0.53 | 326 | 1 | 0.03 | 23 | 690 | 102 | 0.01 | 3 | 6 | 35 | <20 |
| CC32748 | | <1 | 0.06 | 10 | 0.11 | 132 | 1 | 0.06 | 6 | 320 | 22 | 0.02 | <2 | 1 | 15 | <20 |
| CC32749 | | 1 | 0.13 | 30 | 0.35 | 295 | 2 | 0.05 | 16 | 440 | 21 | 0.03 | <2 | 4 | 20 | <20 |
| CC32750 | | <1 | 0.04 | <10 | 0.06 | 49 | <1 | 0.06 | 3 | 200 | 6 | 0.02 | <2 | 1 | 13 | <20 |
| CC32751 | | <1 | 0.07 | 10 | 0.17 | 205 | 1 | 0.02 | 9 | 180 | 12 | 0.01 | <2 | 2 | 14 | <20 |
| CC32752 | | 1 | 0.07 | 10 | 0.22 | 190 | 1 | 0.03 | 12 | 250 | 9 | 0.01 | <2 | 2 | 13 | <20 |
| CC32753 | | <1 | 0.07 | 20 | 0.10 | 77 | 1 | 0.05 | 4 | 190 | 11 | 0.01 | <2 | 1 | 13 | <20 |
| CC32754 | | 1 | 0.09 | 20 | 0.16 | 82 | 1 | 0.05 | 7 | 170 | 20 | 0.01 | <2 | 2 | 14 | <20 |
| CC32755 | | 1 | 0.09 | 20 | 0.14 | 75 | <1 | 0.07 | 7 | 170 | 17 | 0.01 | <2 | 2 | 16 | <20 |
| CC32756 | | 1 | 0.12 | 20 | 0.33 | 544 | 1 | 0.03 | 10 | 290 | 71 | 0.02 | <2 | 3 | 16 | <20 |
| CC32757 | | <1 | 0.06 | 10 | 0.10 | 74 | 1 | 0.04 | 4 | 190 | 9 | 0.01 | <2 | 1 | 11 | <20 |
| CC32758 | | 1 | 0.15 | 30 | 0.33 | 289 | 1 | 0.03 | 12 | 330 | 11 | 0.01 | <2 | 3 | 17 | <20 |
| CC32759 | | <1 | 0.09 | 40 | 0.16 | 103 | 1 | 0.03 | 7 | 370 | 15 | 0.03 | <2 | 1 | 16 | <20 |

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Finalized Date: 16-SEP-2007
Account: RCM

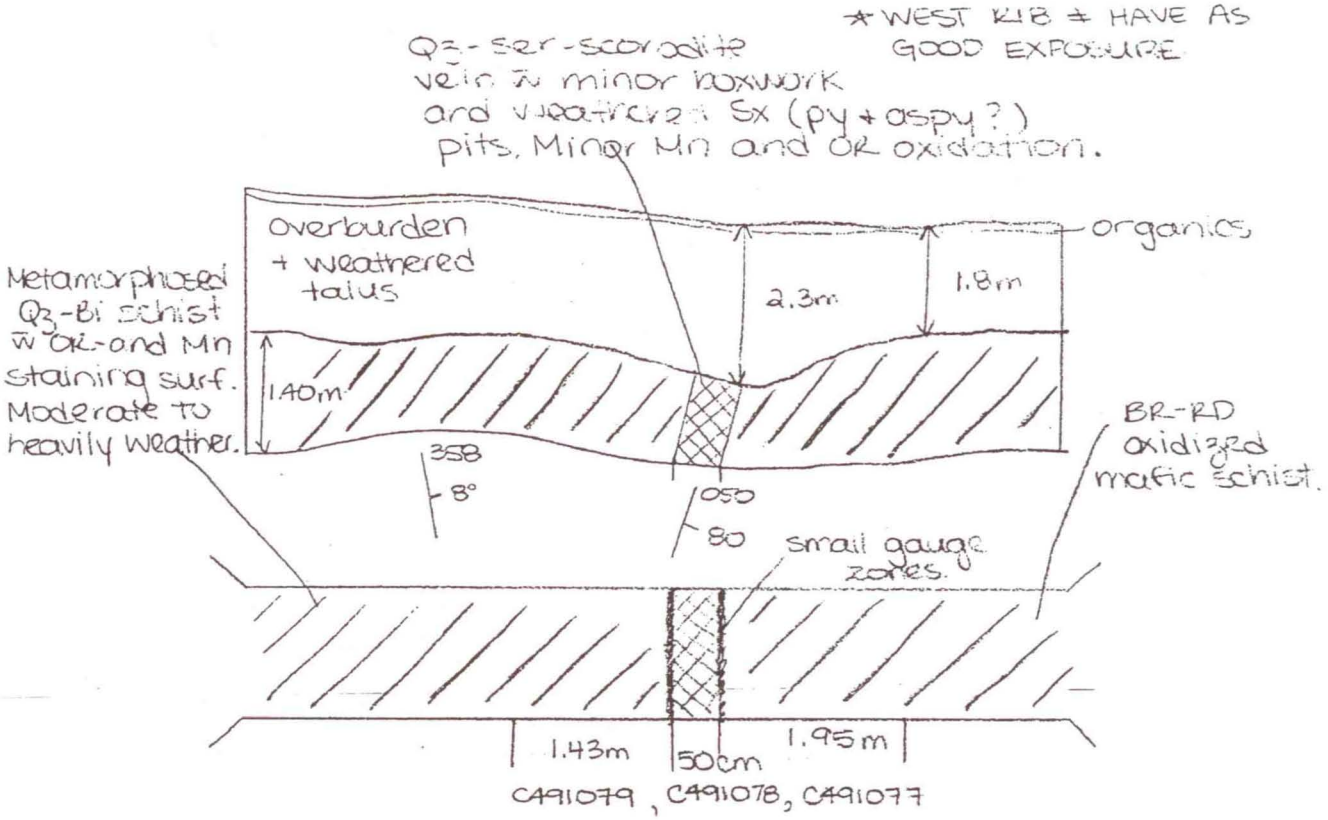
## CERTIFICATE OF ANALYSIS VA07087143

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Pb-OG46 |
|---|---|---|---|---|---|---|---|---|
| | Analyte | Ti | Tl | U | V | W | Zn | Pb |
| | Units | % | ppm | ppm | ppm | ppm | ppm | % |
| | LOR | 0.01 | 10 | 10 | 1 | 10 | 2 | 0.01 |
| CC32720 | | 0.07 | <10 | <10 | 55 | <10 | 75 | |
| CC32721 | | 0.05 | <10 | <10 | 24 | <10 | 31 | |
| CC32722 | | 0.05 | <10 | <10 | 15 | <10 | 11 | |
| CC32723 | | 0.07 | <10 | <10 | 33 | <10 | 18 | |
| CC32724 | | 0.10 | <10 | <10 | 45 | <10 | 37 | |
| CC32725 | | 0.06 | <10 | <10 | 28 | <10 | 20 | |
| CC32726 | | 0.06 | <10 | <10 | 56 | <10 | 93 | |
| CC32727 | | 0.04 | <10 | <10 | 59 | <10 | 117 | |
| CC32728 | | 0.03 | <10 | <10 | 13 | <10 | 85 | |
| CC32729 | | 0.03 | <10 | <10 | 14 | <10 | 11 | |
| CC32730 | | 0.05 | <10 | <10 | 20 | <10 | 21 | |
| CC32731 | | 0.05 | <10 | <10 | 17 | <10 | 22 | |
| CC32732 | | 0.06 | <10 | <10 | 31 | <10 | 40 | |
| CC32733 | | 0.06 | <10 | <10 | 46 | <10 | 42 | |
| CC32734 | | 0.06 | <10 | <10 | 38 | <10 | 34 | |
| CC32735 | | 0.05 | <10 | <10 | 36 | <10 | 140 | |
| CC32736 | | 0.05 | <10 | <10 | 35 | <10 | 124 | |
| CC32737 | | 0.09 | <10 | <10 | 63 | <10 | 97 | |
| CC32738 | | 0.04 | <10 | <10 | 26 | <10 | 23 | |
| CC32739 | | 0.08 | <10 | <10 | 51 | <10 | 29 | |
| CC32740 | | 0.09 | <10 | <10 | 63 | <10 | 67 | |
| CC32741 | | 0.04 | <10 | <10 | 21 | <10 | 15 | |
| CC32742 | | 0.04 | <10 | <10 | 20 | <10 | 87 | |
| CC32743 | | 0.07 | <10 | <10 | 54 | <10 | 54 | |
| CC32744 | | 0.07 | <10 | <10 | 18 | <10 | 58 | |
| CC32745 | | 0.06 | <10 | <10 | 46 | <10 | 66 | |
| CC32746 | | 0.07 | <10 | <10 | 47 | <10 | 80 | |
| CC32747 | | 0.11 | <10 | <10 | 62 | <10 | 98 | |
| CC32748 | | 0.04 | <10 | <10 | 28 | <10 | 29 | |
| CC32749 | | 0.08 | <10 | <10 | 53 | <10 | 61 | |
| CC32750 | | 0.04 | <10 | <10 | 23 | <10 | 13 | |
| CC32751 | | 0.10 | <10 | <10 | 67 | <10 | 33 | |
| CC32752 | | 0.09 | <10 | <10 | 56 | <10 | 34 | |
| CC32753 | | 0.04 | 10 | <10 | 25 | <10 | 27 | |
| CC32754 | | 0.06 | <10 | <10 | 29 | <10 | 55 | |
| CC32755 | | 0.06 | 10 | <10 | 27 | <10 | 47 | |
| CC32756 | | 0.10 | <10 | <10 | 60 | <10 | 83 | |
| CC32757 | | 0.07 | <10 | <10 | 37 | <10 | 24 | |
| CC32758 | | 0.09 | <10 | <10 | 44 | <10 | 51 | |
| CC32759 | | 0.05 | <10 | <10 | 32 | <10 | 42 | |

**APPENDIX III**

**2007 TRENCH MAPS**

EAST RIB
* WEST RIB = HAVE AS GOOD EXPOSURE




14.40 m long

Q3 vein material

undifferentiated Fourtymile River Assemblage

SAMPLES TAKEN FROM CN-T-01 :

C491071, 072, 073, 074, 075, 076

**KLONDIKE SILVER CORP.**
**ATAC RESOURCES LTD.**

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

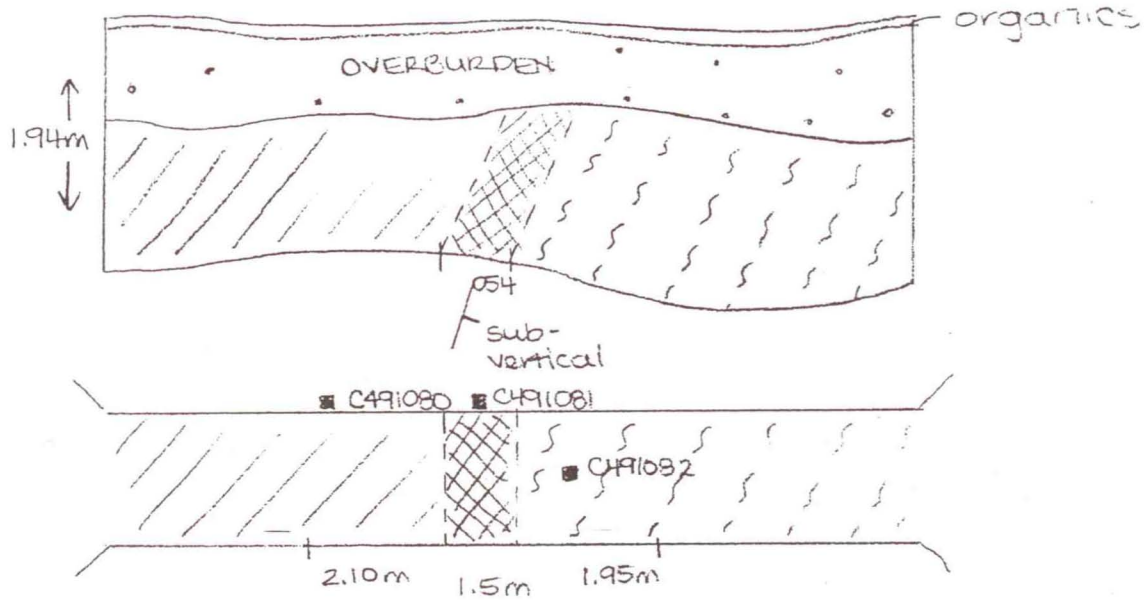
# TRENCH CN-T-01

## CONNAUGHT PROPERTY

UTM ZONE 7V, NAD 83 115N/15

FILE:P/2007/CN/SCANNED...TR-07-01 DATE: NOVEMBER 2007

WEST RIB



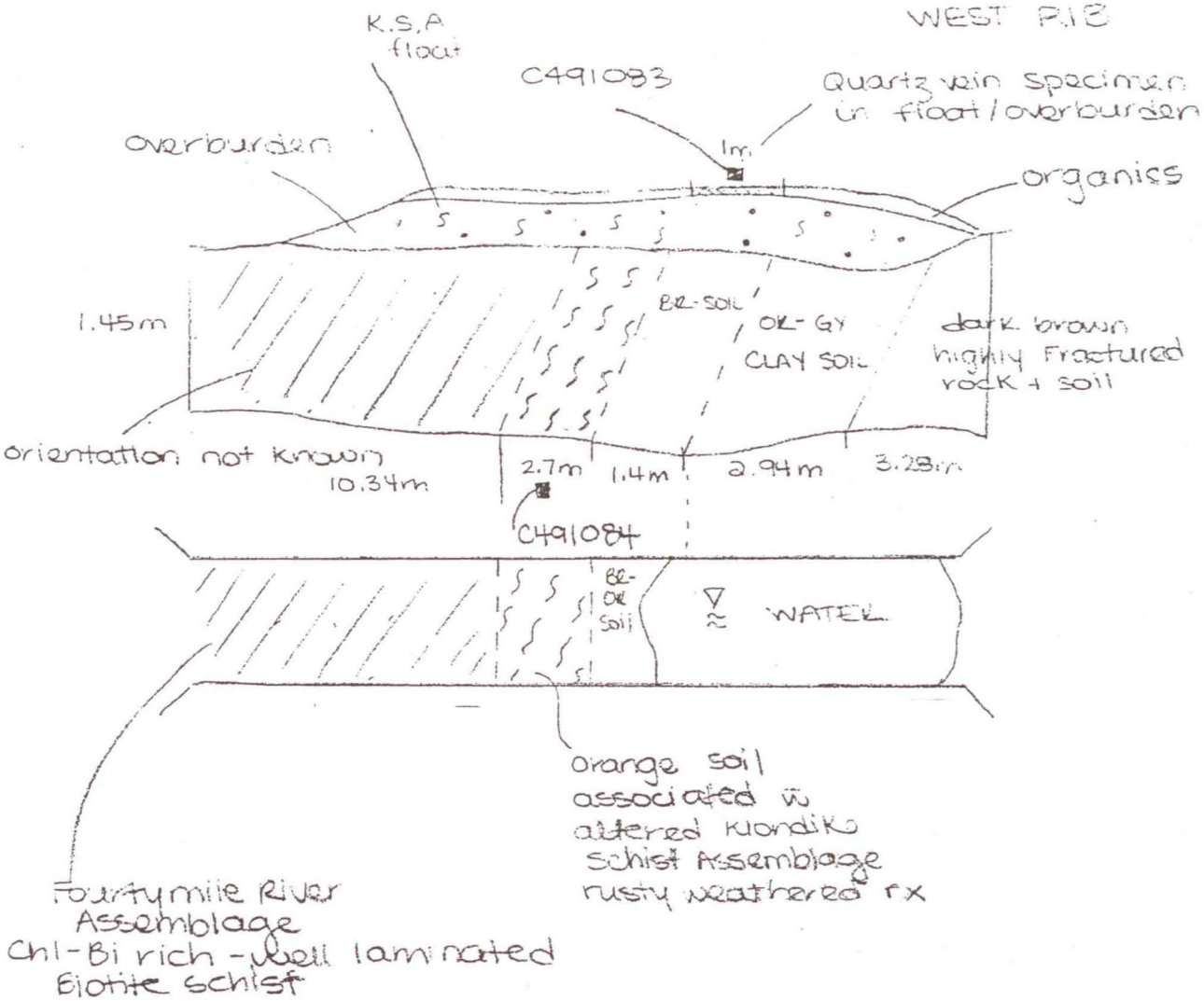

Total trench length: 15.30m
Azm: 296°

Qz vein: very Mn-Ser-Scar altered, dark grey quartz vein.

Fourtymile river assemblage: Qz-Bi mafic schist Bt-Ox alteration

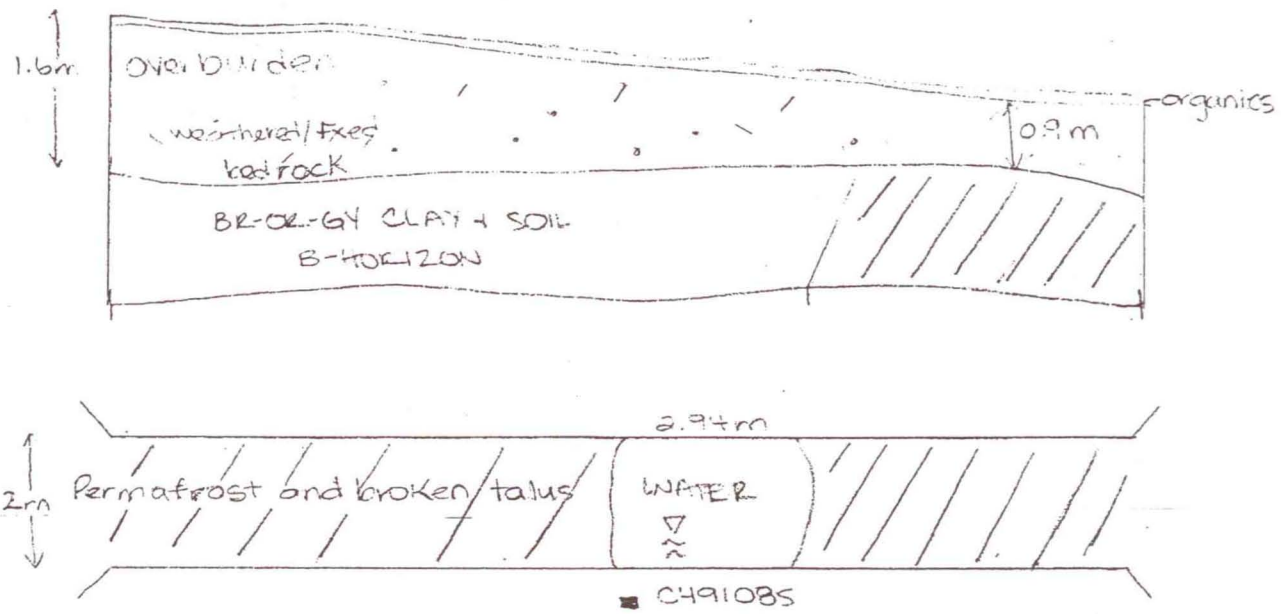
Klondike schist assemblage: Rusty weathering Qz-mica schist - finely banded

| KLONDIKE SILVER CORP.<br>ATAC RESOURCES LTD. |
|---|
| ARCHER, CATHRO & ASSOCIATES (1981) LIMITED |
| **TRENCH CN-T-02** |
| **CONNAUGHT PROPERTY** |
| UTM ZONE 7V, NAD 83 115N/15 |
| FILE:P/2007/CN/SCANNED...TR-07-02 DATE: NOVEMBER 2007 |




| KLONDIKE SILVER CORP.<br>ATAC RESOURCES LTD. |
|---|
| ARCHER, CATHRO & ASSOCIATES (1981) LIMITED |
| **TRENCH CN-T-03** |
| **CONNAUGHT PROPERTY** |
| UTM ZONE 7V, NAD 83 115N/15 |
| FILE:P/2007/CN/SCANNED...TR-07-03 . DATE: NOVEMBER 2007 |

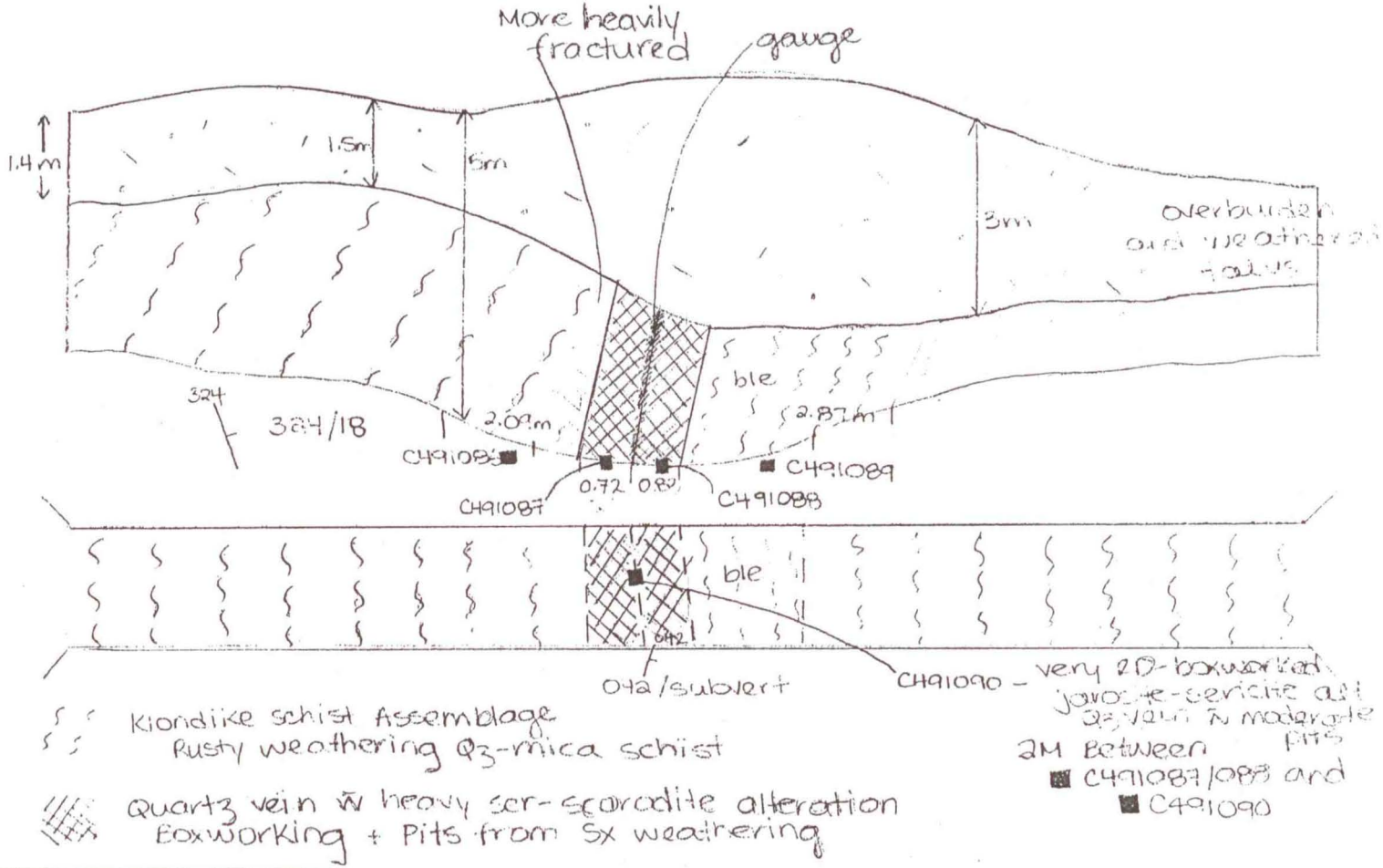
WEST WALL




/// KLONDIKE SCHIST ASSEMBLAGE. Mn-stained and OR-weathered, foliated biotite schist.

■ CH91085 Specimen sample of unusual Qz vein-material excavated from pit but selectively collected on trench side.

| KLONDIKE SILVER CORP.<br>ATAC RESOURCES LTD. |
|---|
| ARCHER, CATHRO & ASSOCIATES (1981) LIMITED |
| **TRENCH CN-T-04** |
| **CONNAUGHT PROPERTY** |
| UTM ZONE 7V, NAD 83 115N/15 |
| FILE:P/2007/CN/SCANNED...TR-07-04 DATE: NOVEMBER 2007 |

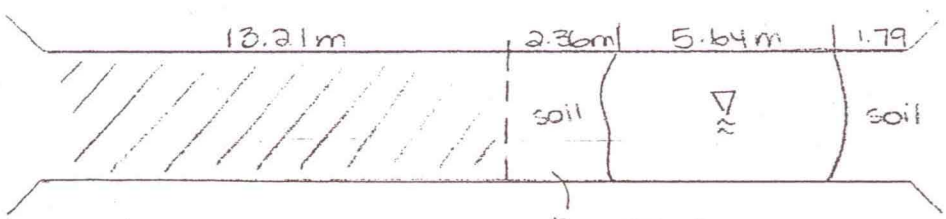



| KLONDIKE SILVER CORP.<br>ATAC RESOURCES LTD. |
|---|
| ARCHER, CATHRO & ASSOCIATES (1981) LIMITED |
| **TRENCH CN-T-05** |
| **CONNAUGHT PROPERTY** |
| UTM ZONE 7, NAD 83, 115N/15 |
| FILE:P/2007/CN/TRENCH_CN-T-05 DATE: JANUARY 2008 |

EAST RIB

23m Long
37m from Jesus Pt
@ 050 deg




BR- OR- Pale GR soil w small pieces of fx-ed rock. Two nuggets of Qz-rich material ~marble size.

Fourtymile River Assemblage; foliated Bi rich mica schist - almost has augens between Bi layers

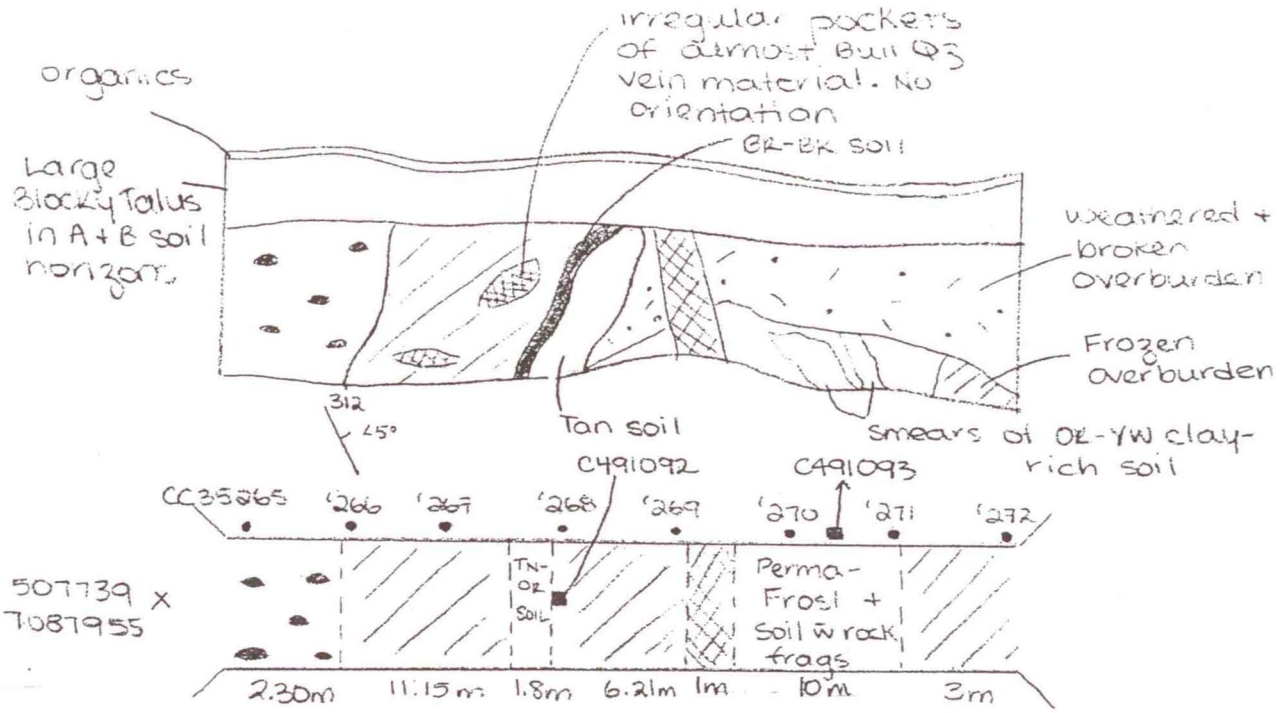


| KLONDIKE SILVER CORP.<br>ATAC RESOURCES LTD. |
|---|
| ARCHER, CATHRO & ASSOCIATES (1981) LIMITED |
| **TRENCH CN-T-08** |
| **CONNAUGHT PROPERTY** |
| UTM ZONE 7V, NAD 83 115N/15 |
| FILE:P/2007/CN/SCANNED...TR-07-08 DATE: JANUARY 2008 |

NOTE. TRENCH DUG IN AREA W/ ABSOLUTELY NO PREV DISTURBANCES. GPS COORDINATE USED INSTEAD OF TRYING TO CHAIN IN TO OUR 'JESUS POINT'

NORTH RIB

35.45m Long
104° Azm




Bull Q3 vein w minor OR-oxidation and possibly Mn blebs

South Fourtymile River assemblage schist - Bi-rich, minor chlorite altered schist.

South Fiftymile Batholith

IN GENERAL:

- BEDROCK IN BOTH ENDS W PERMAFROST TO ONE END.
- ONE GOLF BALL SIZED PIECE OF REGULAR Q3-ser-sch vein MATERIAL FOUND IN TRENCH. NO OTHERS

- 7 SOILS + 2 ROCK SPECIMENS WERE COLLECTED FROM THE TRENCH.

**KLONDIKE SILVER CORP.**
**ATAC RESOURCES LTD.**

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# TRENCH CN-T-09

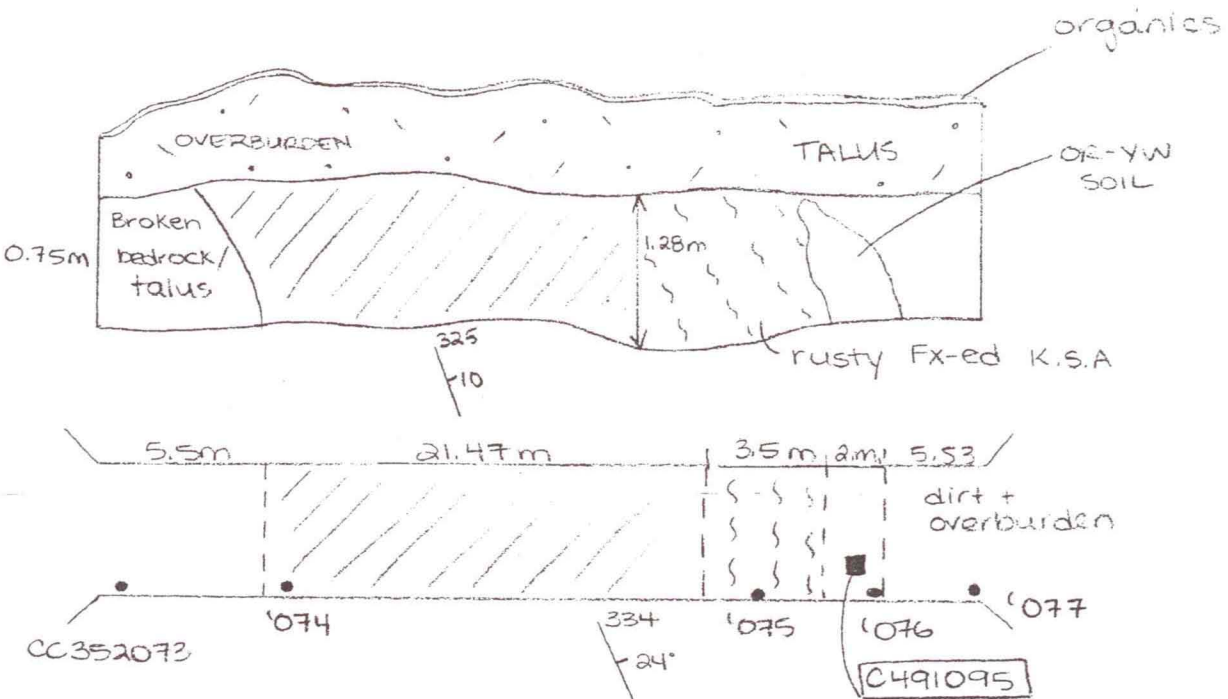
## CONNAUGHT PROPERTY

UTM ZONE 7V, NAD 83 115N/15

FILE:P/2007/CN/SCANNED...TR-07-09 DATE: JANUARY 2008

96m From Vesuv Point @ 135°
Trench: 38m long

EAST RIB




Rusty fractured Klondike Schist Assemblage

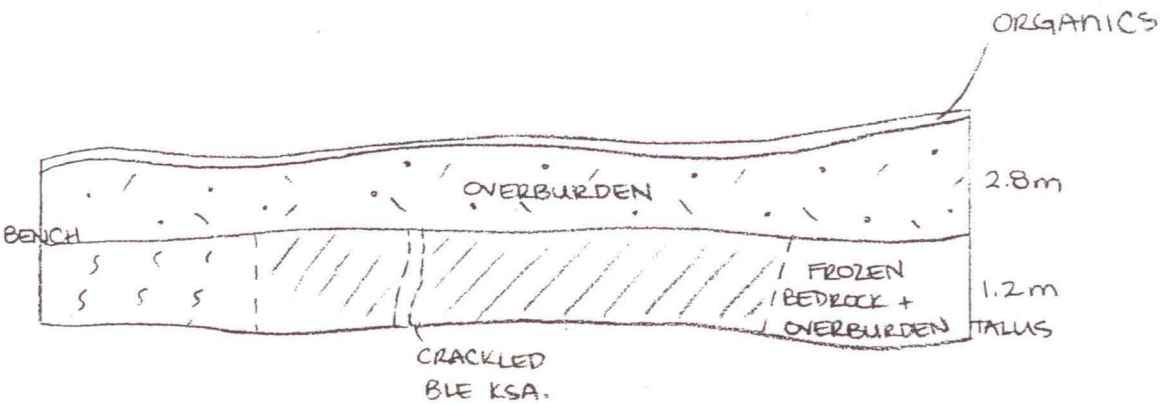
FOURTYMILE RIVER ASSEMBLAGE
Bedrock is well foliated and planar. Qz-Bi schist

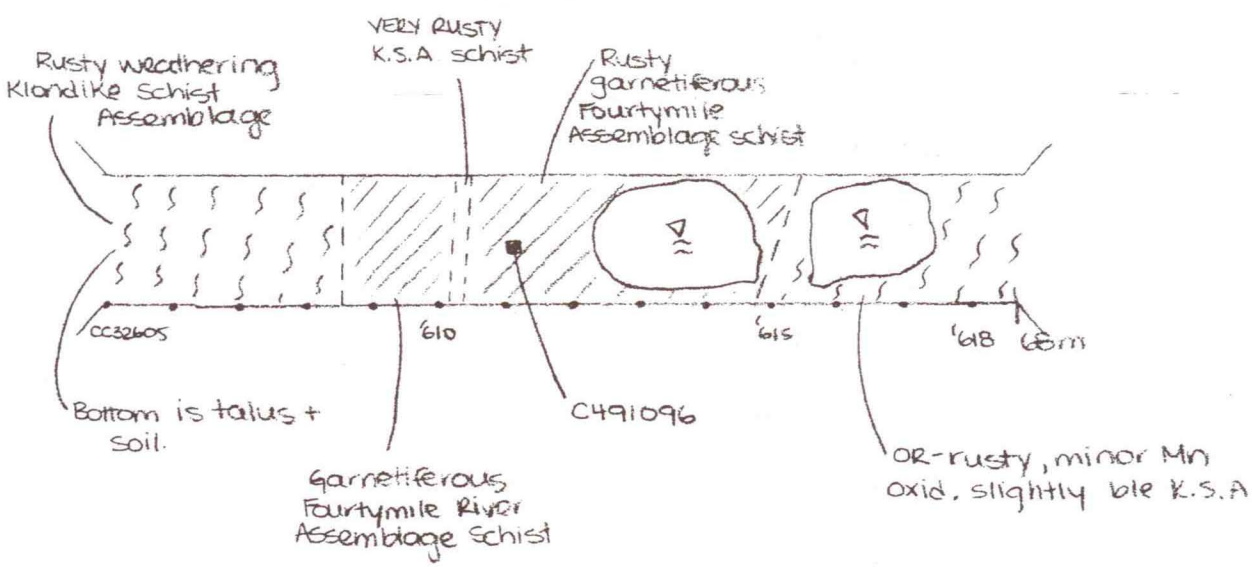
| KLONDIKE SILVER CORP.<br>ATAC RESOURCES LTD. |
|---|
| ARCHER, CATHRO & ASSOCIATES (1981) LIMITED |
| **TRENCH CN-T-10** |
| **CONNAUGHT PROPERTY** |
| UTM ZONE 7V, NAD 83 115N/15 |
| FILE:P/2007/CN/SCANNED...TR-07-10 DATE: JANUARY 2008 |

NW COORDINATE 507900 7087777

Azm: 115°
68m long

EAST RIB




**KLONDIKE SILVER CORP.**
**ATAC RESOURCES LTD.**

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

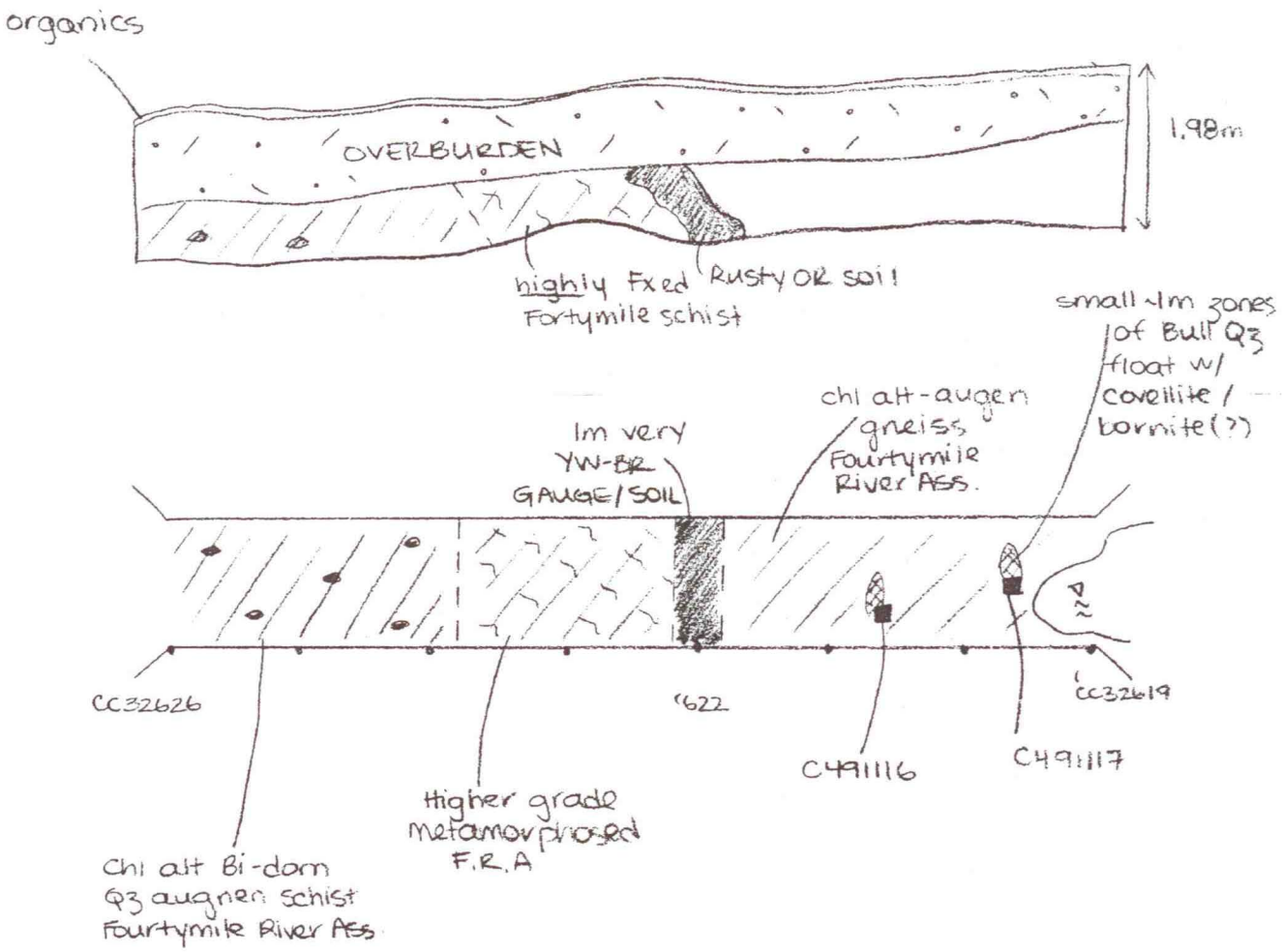
# TRENCH CN-T-11

## CONNAUGHT PROPERTY

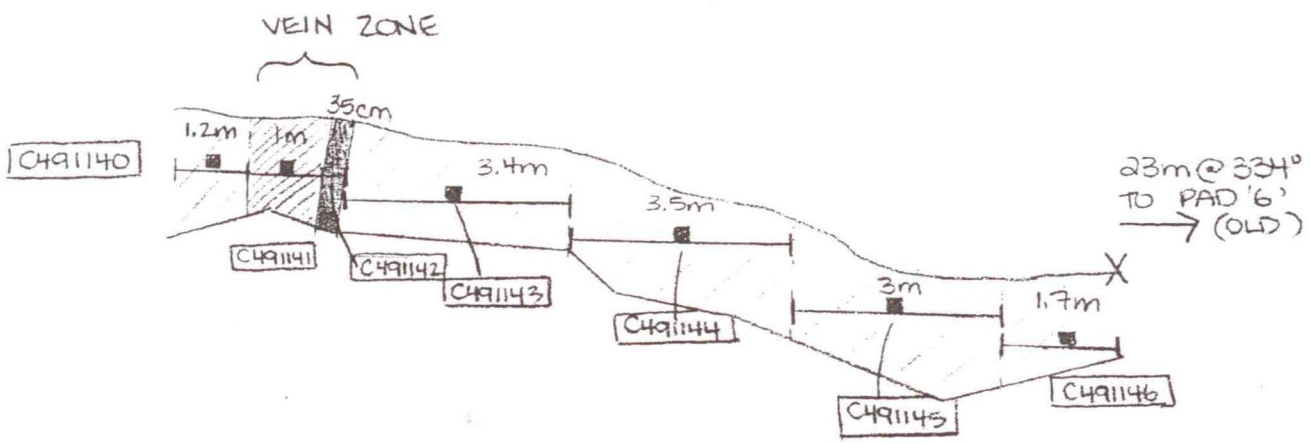
UTM ZONE 7V, NAD 83 115N/15

FILE:P/2007/CN/SCANNED...TR-07-11 DATE: JANUARY 2008

Azm: 295°
Length: 35m
WEST RIB




| KLONDIKE SILVER CORP.<br>ATAC RESOURCES LTD. |
|---|
| ARCHER, CATHRO & ASSOCIATES (1981) LIMITED |
| **TRENCH CN-T-13** |
| **CONNAUGHT PROPERTY** |
| UTM ZONE 7V, NAD 83 115N/15 |
| FILE:P/2007/CN/SCANNED...TR-07-13 DATE: JANUARY 2008 |




GENERALLY THE ROCKS IN THE TRENCH ARE PART OF THE FORTYMILE RIVER ASSEMBLAGE.



VERY RUSTY - MAROON WEATHERED, FRIABLE METASEDS Bi - Q3 GNEISS

RUSTY WEATHERING QUARTZITE (?) OR GRIT. IN SOME PLACES IT HAS BANDS OR SMALL STRIATIONS.

BLE-WH BUT RUSTY WEATH. METASEDIMENT THAT IS M-H FRIED.

VERY BAKED, RED + WH SOIL AND ROCK COMBO M-H FRACTURED

35cm Mx Gn VEIN W SCORODITE, CHALCEDONY AND ANGLESITE

VEIN ZONE! VERY GAUGY ALT'N ENVELOPE W PALE YW ~~or TN~~ GY GAUGE } SCORODITE RICH W MINOR BULL QZ VN

VERY DEEP RED SOIL W MINOR ROCK FRAGMENTS. SMALL 10cm GAUGY ZONES

**KLONDIKE SILVER CORP.**
**ATAC RESOURCES LTD.**

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

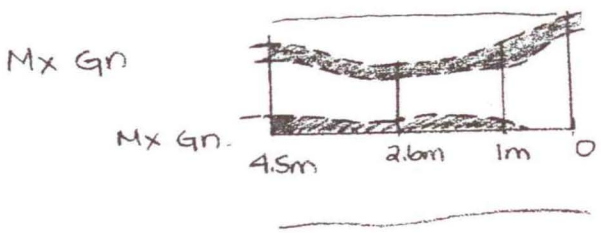
# TRENCH CN-T-16

## CONNAUGHT PROPERTY

UTM ZONE 7V, NAD 83 115N/15

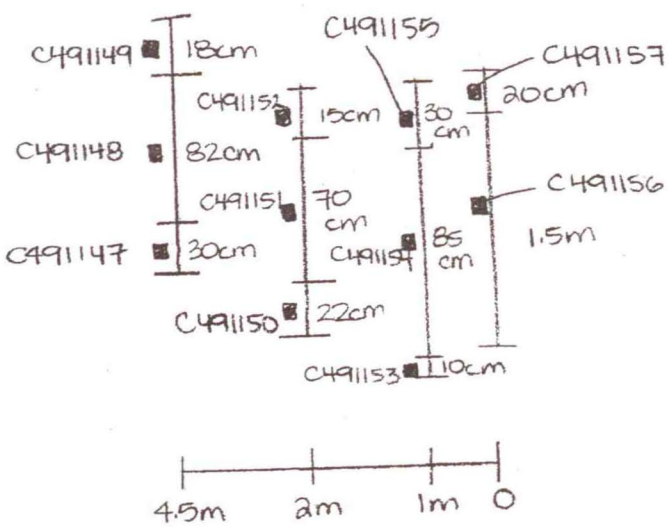
FILE: P/2007/CN/SCANNED...TR-07-16 DATE: JANUARY 2008

CN-T-17 WAS DUG FOR ~5M STRIKE AND ~3M 'DIP' VERY CLOSE TO CN-T-16 TO EXPOSE THE VEIN MATERIAL. HERE THE MOST VIBRANT AND ABUNDANT SCORODITE OCCURS. THIS WASN'T DOCUMENTED TO BE A FULL TRENCH AS ONLY THE VEIN ZONE WAS SAMPLED.




VEIN ORIENTATION
028/88

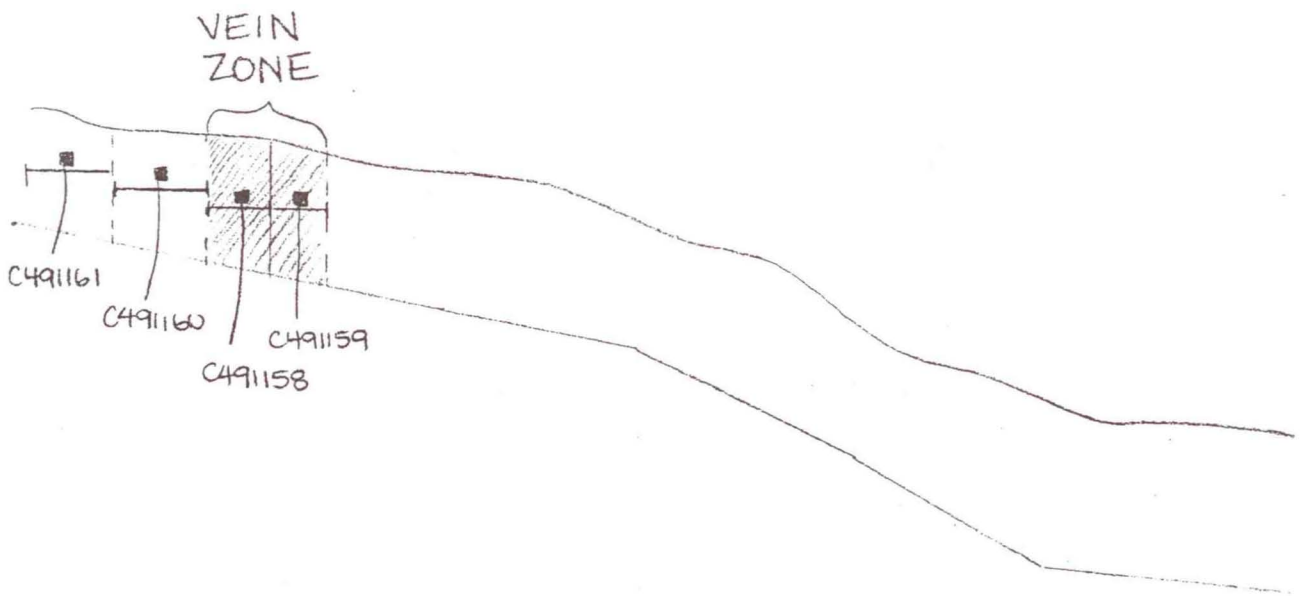
NOT TO SCALE




NOT TO SCALE

| KLONDIKE SILVER CORP.<br>ATAC RESOURCES LTD. |
|---|
| ARCHER, CATHRO & ASSOCIATES (1981) LIMITED |
| **TRENCH CN-T-17** |
| **CONNAUGHT PROPERTY** |
| UTM ZONE 7V, NAD 83 115N/15 |
| FILE:P/2007/CN/SCANNED...TR-07-17 DATE: JANUARY 2008 |

WEST RIB




KLONDIKE SILVER CORP.
ATAC RESOURCES LTD.

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

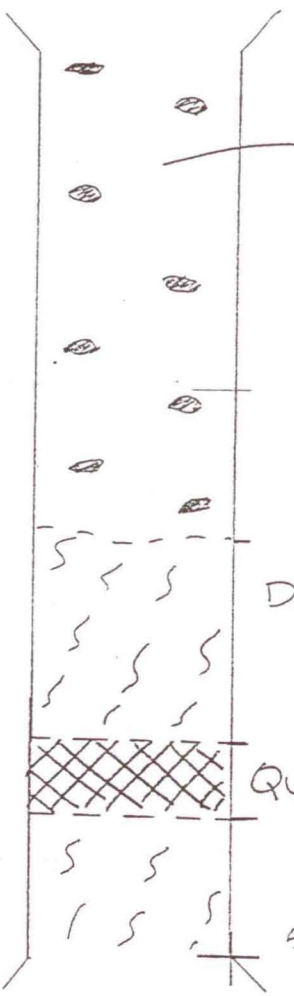
# TRENCH CN-T-18

## CONNAUGHT PROPERTY

UTM ZONE 7V, NAD 83 115N/15

FILE:P/2007/CN/SCANNED...TR-07-18 DATE: JANUARY 2008

TRENCH NOT SAMPLED




SCALE : 1 : 100

LENGTH 12m
AZM : 314°

**KLONDIKE SILVER CORP.**
**ATAC RESOURCES LTD.**

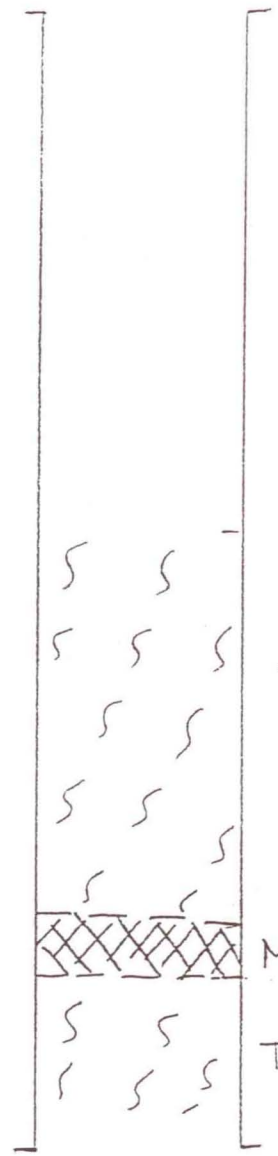
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# TRENCH CN-T-19

## CONNAUGHT PROPERTY

UTM ZONE 7V, NAD 83 115N/15

FILE:P/2007/CN/SCANNED...TR-07-19 DATE: MARCH 2008



NOT SAMPLED.

TAN ALTERATION ON SURFACE OF SCHIST.
MODERATE FRACTURES.

MINOR QUARTZ VEINING

TAN ALTERATION ON SURFACE OF SCHIST.

+ 511229 mE
7087715 mN

Length: 15 m
Azm: 325°

SCALE 1:100.

**KLONDIKE SILVER CORP.**
**ATAC RESOURCES LTD.**

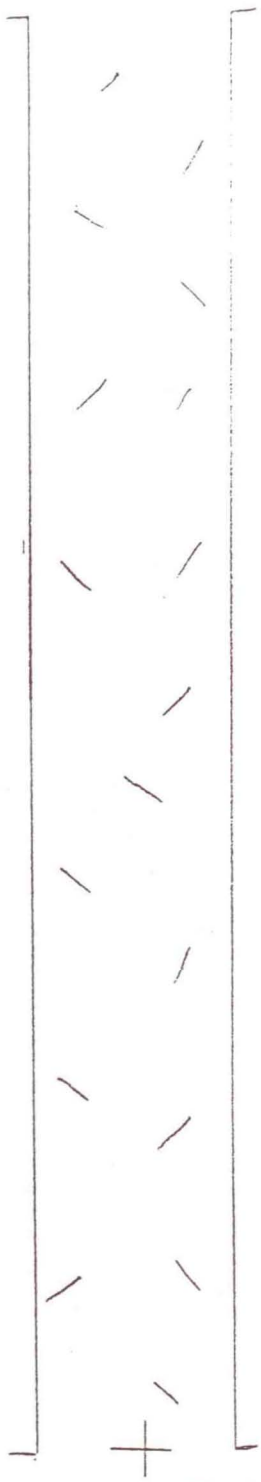
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# TRENCH CN-T-20

## CONNAUGHT PROPERTY

UTM ZONE 7V, NAD 83 115N/15

FILE:P/2007/CN/SCANNED...TR-07-20 DATE: MARCH 2008



WHOLE TRENCH WAS FROZEN; DIRTY SLUDGE ON ROCKS, NO QUARTZ VEIN MATERIAL WAS OBSERVED.

511228 mE
7087702 mN

AZM: 306°

LENGTH: 19 m

SCALE: 1:100

**KLONDIKE SILVER CORP.**
**ATAC RESOURCES LTD.**

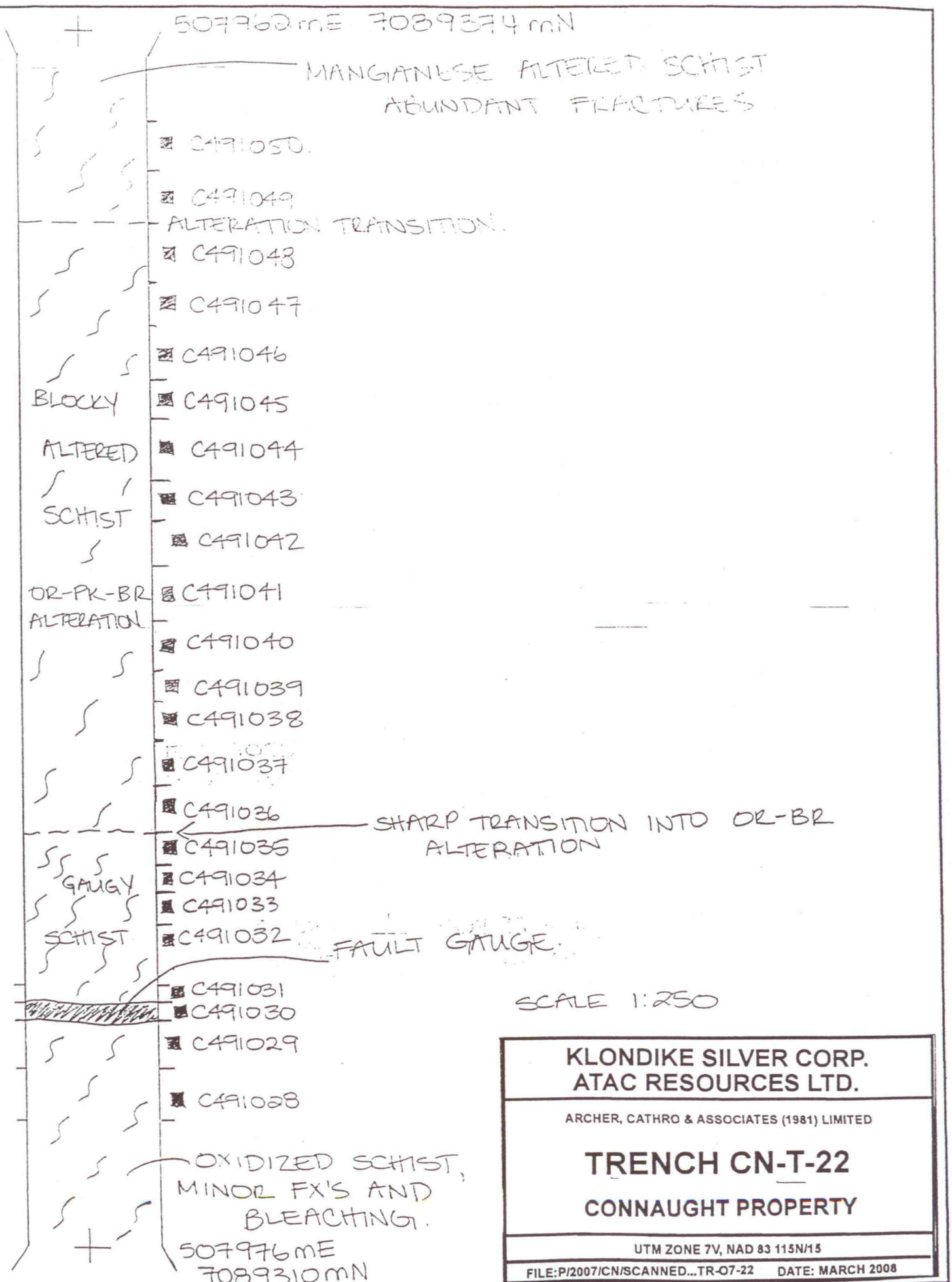
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

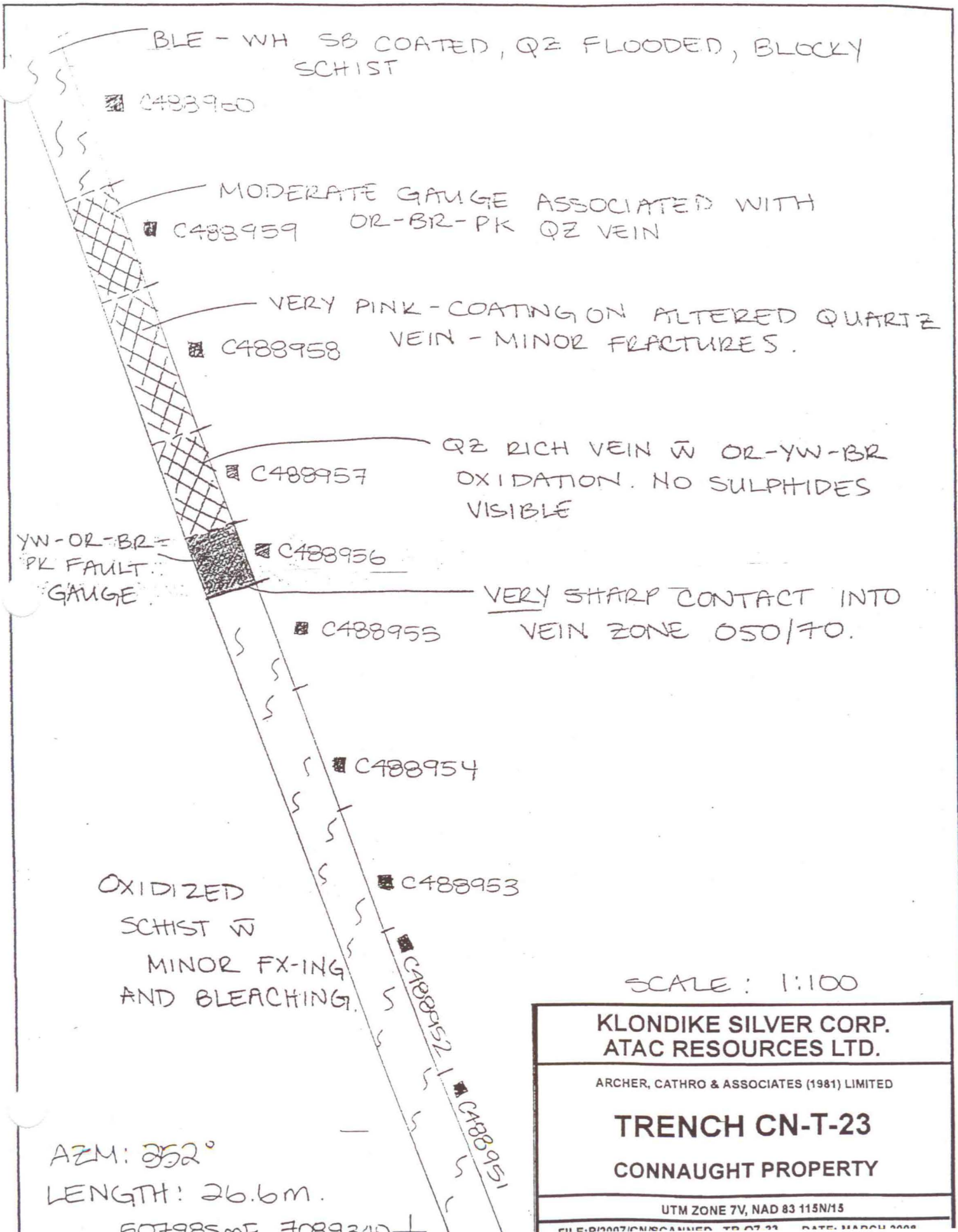
# TRENCH CN-T-21

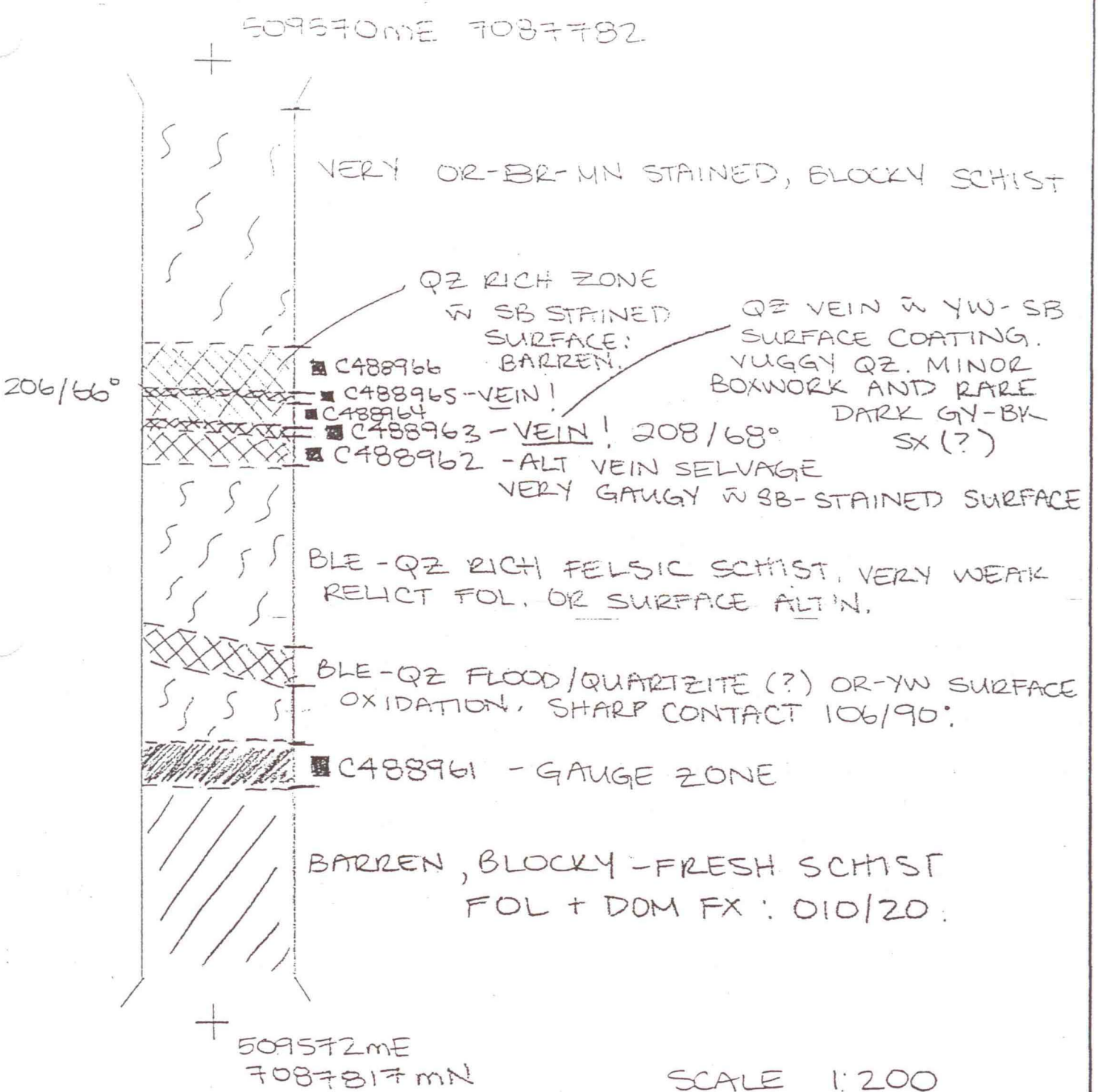
## CONNAUGHT PROPERTY

UTM ZONE 7V, NAD 83 115N/15

FILE:P/2007/CN/SCANNED...TR-07-21 DATE: MARCH 2008


507960mE 7089374mN
MANGANESE ALTERED SCHIST
ABUNDANT FRACTURES
C491050
C491049
ALTERATION TRANSITION
C491048
C491047
C491046
BLOCKY
C491045
ALTERED
C491044
C491043
SCHIST
C491042
OR-PK-BR
ALTERATION
C491041
C491040
C491039
C491038
C491037
C491036
SHARP TRANSITION INTO OR-BR ALTERATION
C491035
GAUGY
C491034
C491033
SCHIST
C491032
FAULT GAUGE
C491031
C491030
C491029
C491028
OXIDIZED SCHIST, MINOR FX'S AND BLEACHING.
507976mE
7089310mN
SCALE 1:250
KLONDIKE SILVER CORP.
ATAC RESOURCES LTD.
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
TRENCH CN-T-22
CONNAUGHT PROPERTY
UTM ZONE 7V, NAD 83 115N/15
FILE:P/2007/CN/SCANNED...TR-07-22 DATE: MARCH 2008


BLE - WH SB COATED, QZ FLOODED, BLOCKY SCHIST
C488960
MODERATE GAUGE ASSOCIATED WITH OR-BR-PK QZ VEIN
C488959
VERY PINK - COATING ON ALTERED QUARTZ VEIN - MINOR FRACTURES.
C488958
QZ RICH VEIN W OR-YW-BR OXIDATION. NO SULPHIDES VISIBLE
C488957
YW-OR-BR-PK FAULT GAUGE.
C488956
VERY SHARP CONTACT INTO VEIN ZONE 050/70.
C488955
C488954
C488953
OXIDIZED SCHIST W MINOR FX-ING AND BLEACHING.
C488952
C488951
AZM: 252°
LENGTH: 26.6m.
SCALE: 1:100
KLONDIKE SILVER CORP.
ATAC RESOURCES LTD.
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
TRENCH CN-T-23
CONNAUGHT PROPERTY
UTM ZONE 7V, NAD 83 115N/15




SCALE 1:200

AZM: 180°
LENGTH: 31m

**KLONDIKE SILVER CORP.**
**ATAC RESOURCES LTD.**

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

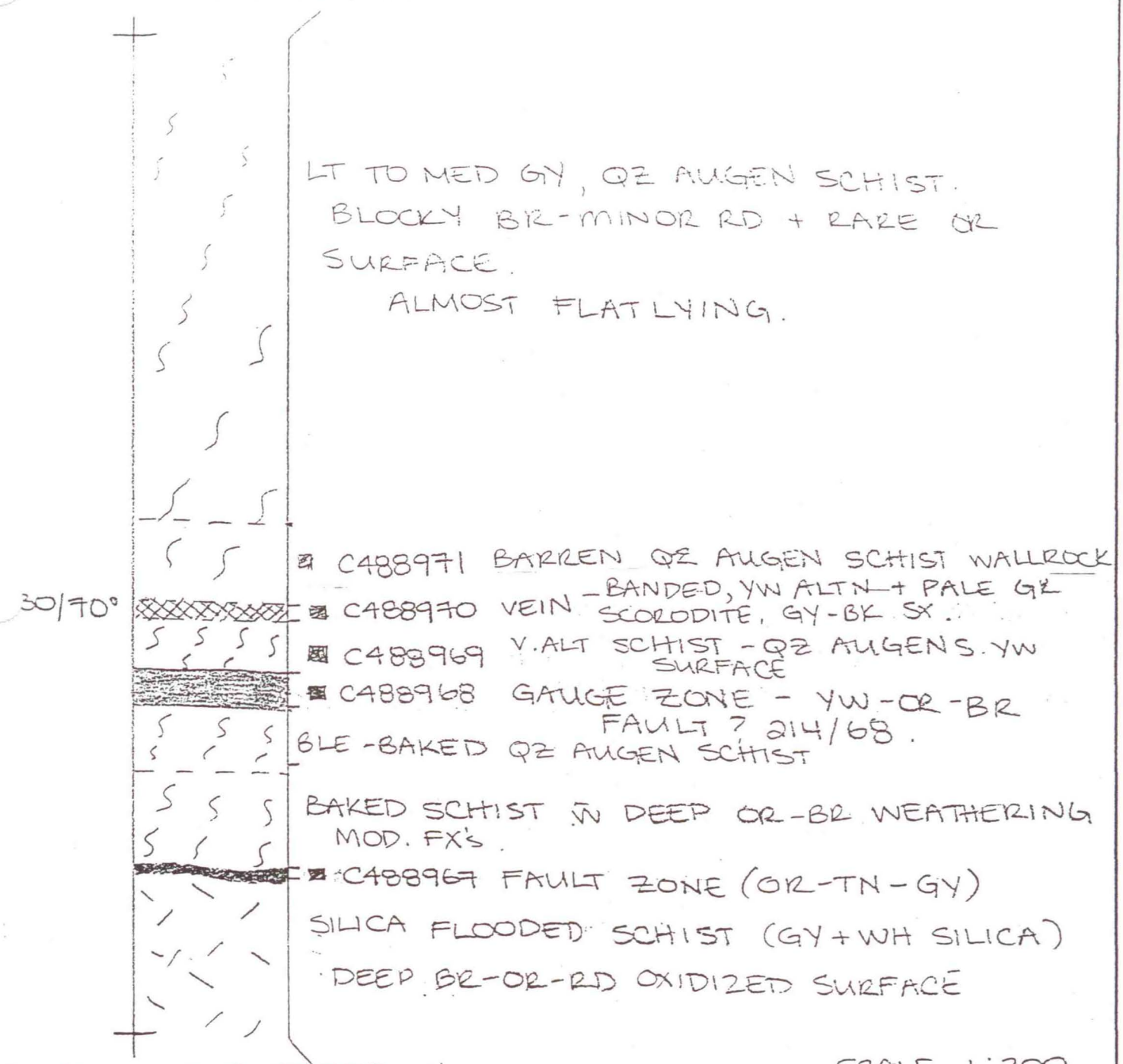
# TRENCH CN-T-24

**CONNAUGHT PROPERTY**

UTM ZONE 7V, NAD 83 115N/15

FILE:P/2007/CN/SCANNED...TR-07-24 DATE: MARCH 2008

509532mE 7087804mN




509541mE 7087759mN

SCALE 1:200

AZM: 350°
LENGTH - 34.80m

**KLONDIKE SILVER CORP.**
**ATAC RESOURCES LTD.**

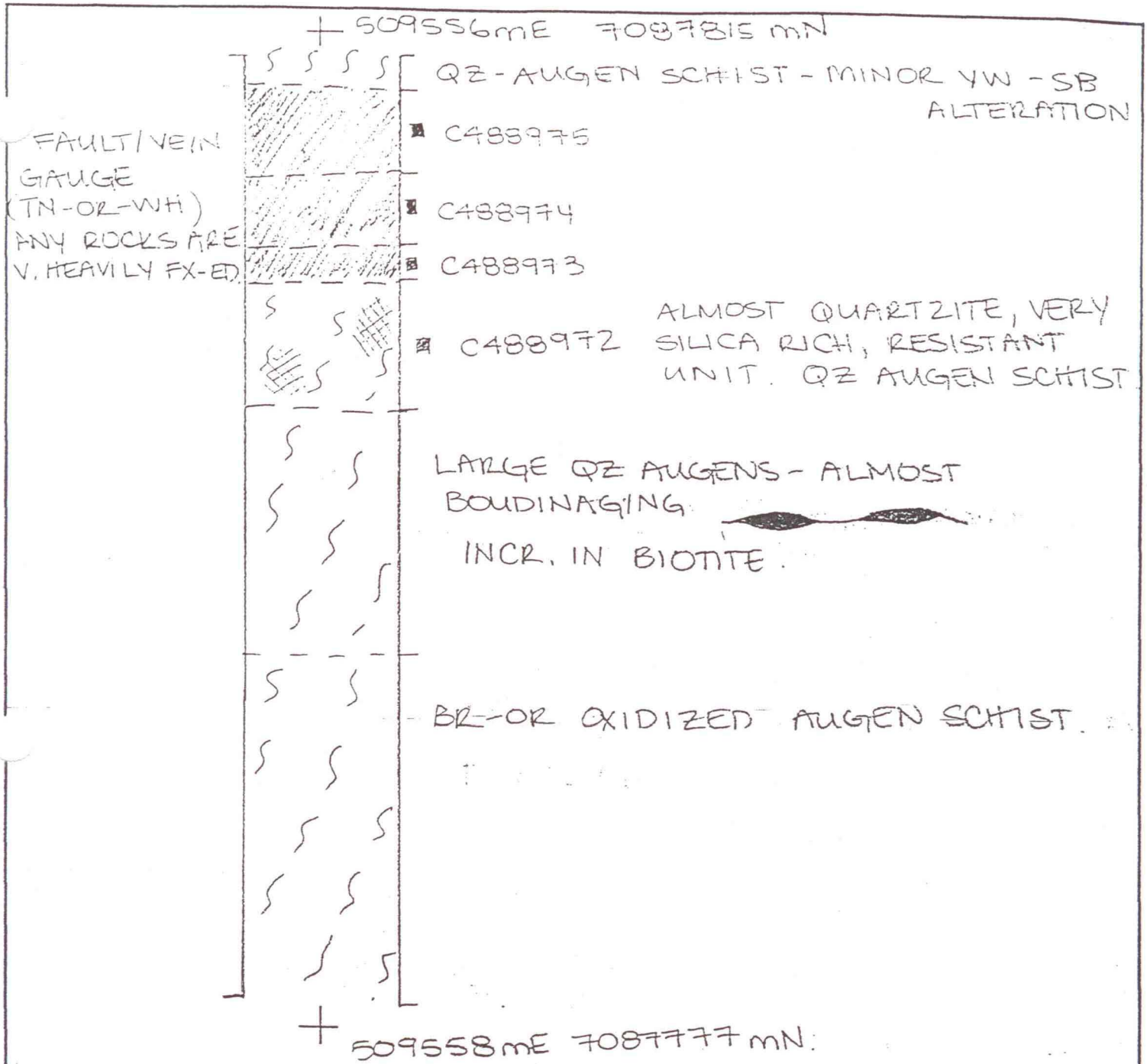
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# TRENCH CN-T-25

**CONNAUGHT PROPERTY**

UTM ZONE 7V, NAD 83 115N/15

FILE:P/2007/CN/SCANNED...TR-07-25 DATE: MARCH 2008




SCALE : 1:200

AZM : 354°

LENGTH : 32.80 m

**KLONDIKE SILVER CORP.**
**ATAC RESOURCES LTD.**

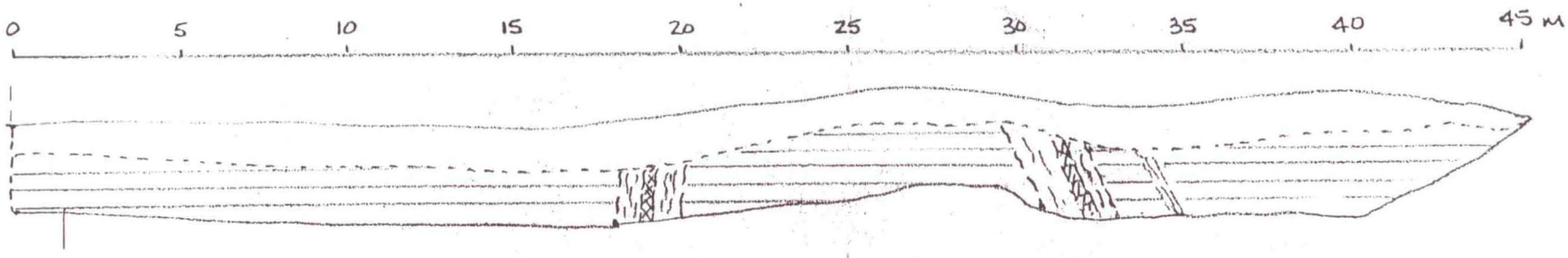
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# TRENCH CN-T-26

## CONNAUGHT PROPERTY

UTM ZONE 7V, NAD 83 115N/15

FILE:P/2007/CN/SCANNED...TR-07-26 DATE: MARCH 2008




← EDGE OF ROAD →

C491013: 60CM VERY WEAK OXIDE FRACTURES CUTTING GNEISS.

C491014: 56CM YELLOW Sb-As ALTERED QTZ SHEAR

C491015: 100CM Mild to moderate OXIDE + CLAY IN FRACTURE ZONE CUTTING GNEISS.

DETAIL SAMPLE

C491016 C491018 C491020

C491017 C491019

MASSIVE GALENA - SEE HEATHER SMITH'S NOTE FOR SURVEY + SAMPLE DATA.

020°
80
045°

SEE DETAIL BELOW.

C491021: 80CM WEAKLY OXIDIZED FRACTURES IN GNEISS

C491022: 50CM CLEAR QTZ VEINS/VEINLETS WITH IRREG YELLOW-BRN CLAY BANDS

C491023: 100CM SAME AS 021 BUT Mn is present.

095

060°
58 SE

508717 E
7088500 N

C491013 C491014 C491015

C491021 C491022 C491023

C491016: 80CM MILDLY CLAY ALTERED GNEISS WITH BRN OXIDE PITS.
C491017: 30CM CLAY Sb-As QTZ SHEAR.
C491018: 26CM SAWN MASSIVE GALENA.
C491019: 27CM DENSE LIMONITE AND Sb ALT QTZ SHEAR.
C491020: 43CM SAME AS 016.

KLONDIKE SILVER CORP.
ATAC RESOURCES LTD.

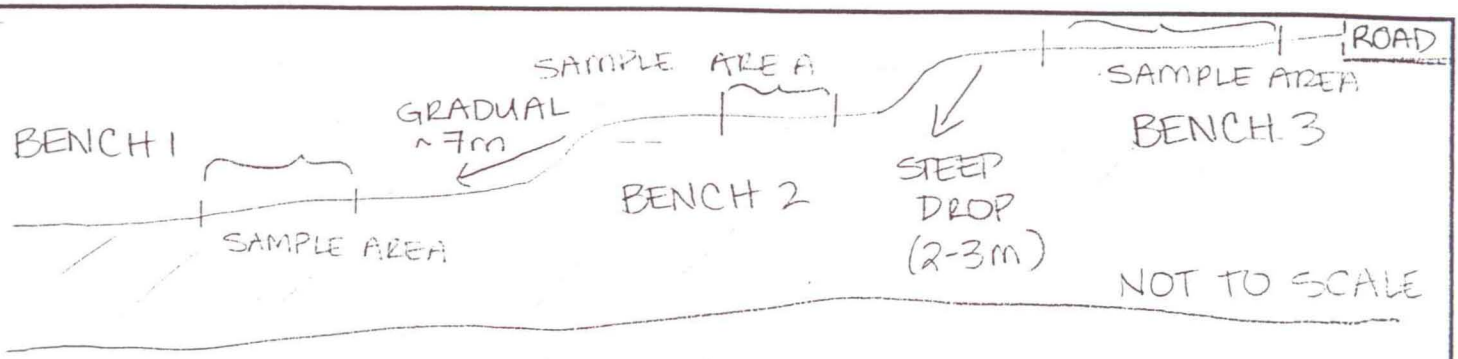
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

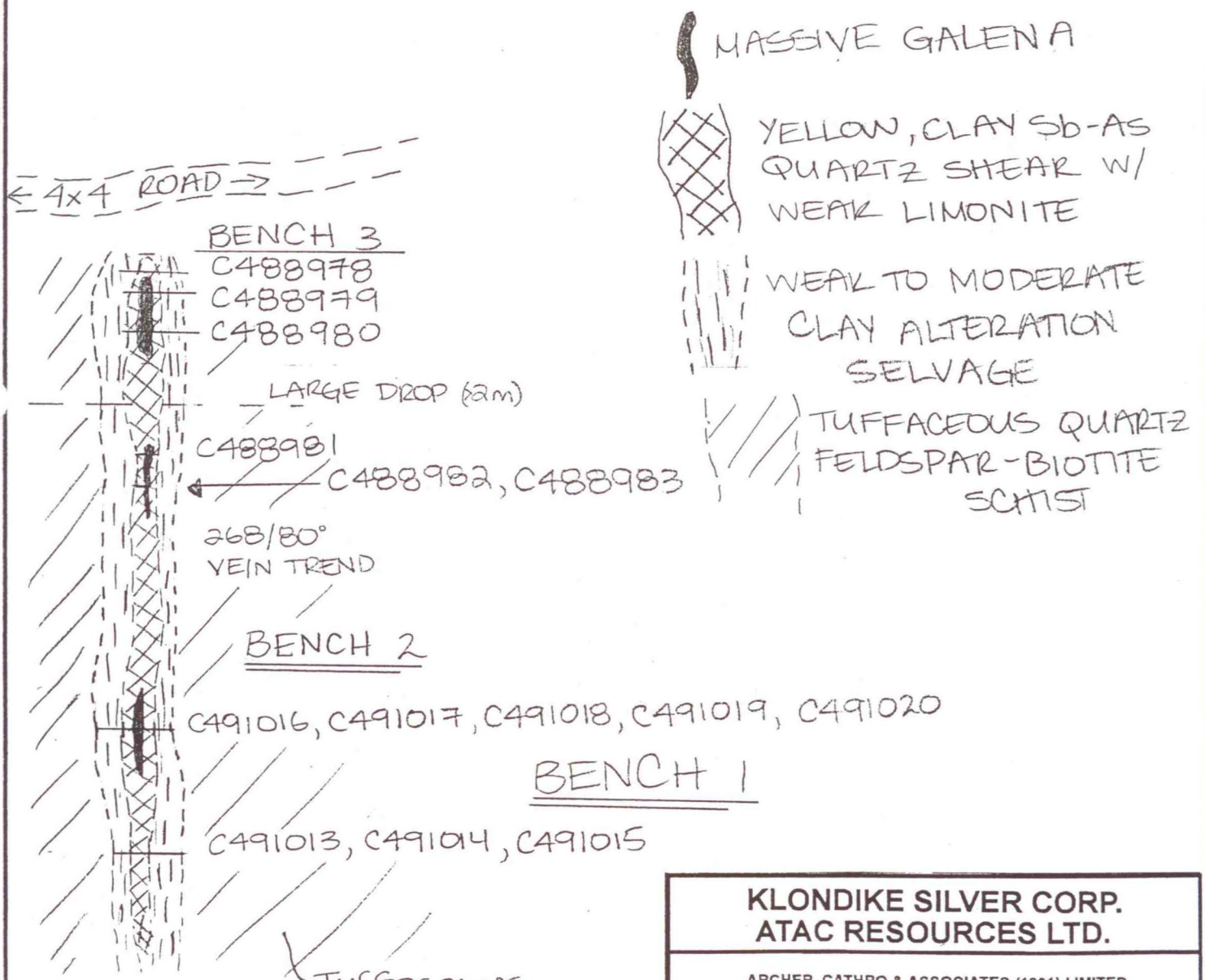
# TRENCH CN-T-27a

## CONNAUGHT PROPERTY

UTM ZONE 7V, NAD 83 115N/15

FILE:P/2007/CN/SCANNED...TR-07-27 DATE: MARCH 2008




**KLONDIKE SILVER CORP.**
**ATAC RESOURCES LTD.**

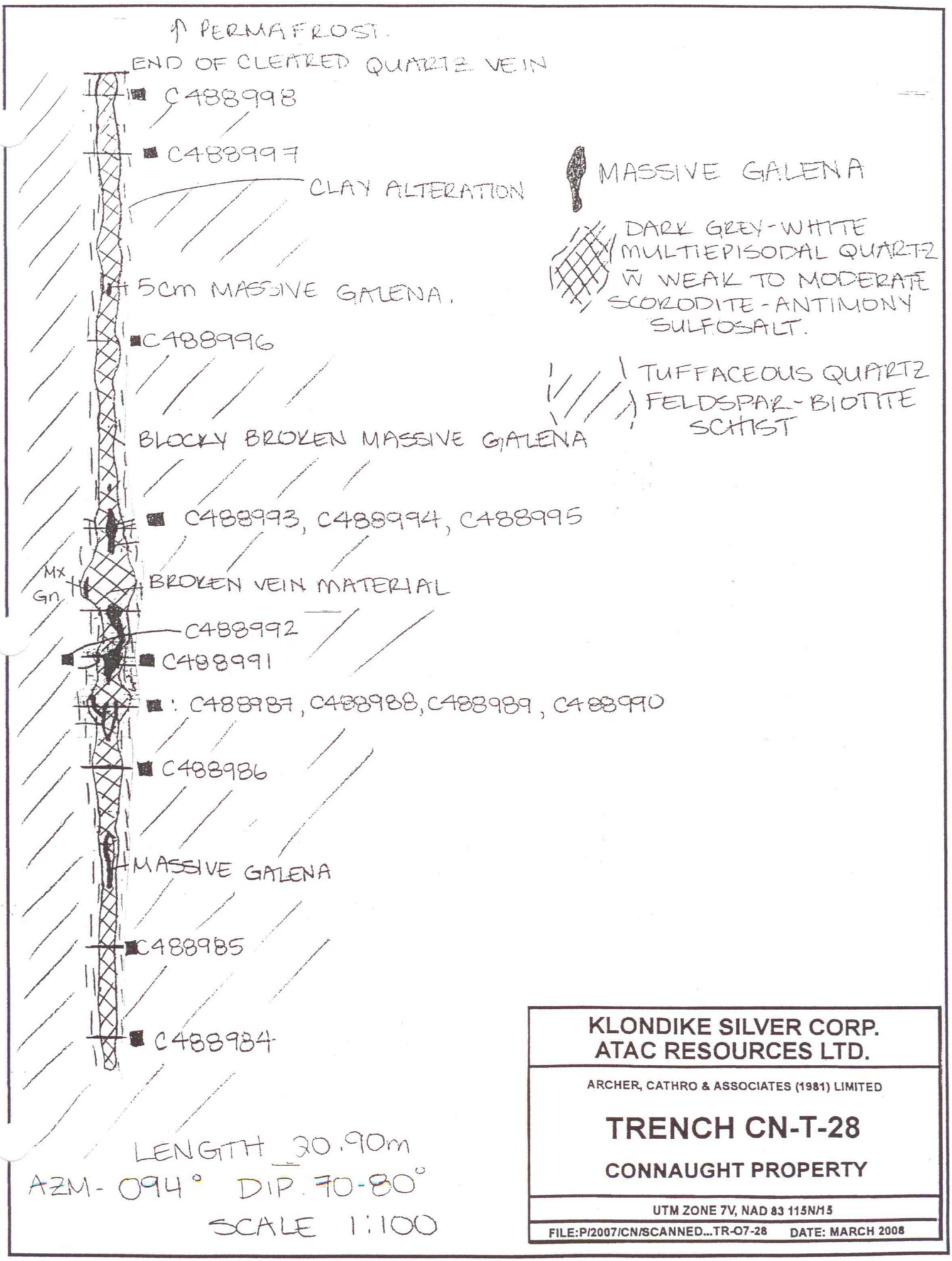
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# TRENCH CN-T-27b

**CONNAUGHT PROPERTY**

UTM ZONE 7V, NAD 83 115N/15

FILE:P/2007/CN/SCANNED...TR-07-27 DATE: MARCH 2008




**KLONDIKE SILVER CORP.**
**ATAC RESOURCES LTD.**

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# TRENCH CN-T-28

**CONNAUGHT PROPERTY**

UTM ZONE 7V, NAD 83 115N/15

FILE:P/2007/CN/SCANNED...TR-07-28 DATE: MARCH 2008

508600mE

7088500mN

CN-T-29

C491025
C491026
C491027

1:500 SCALE

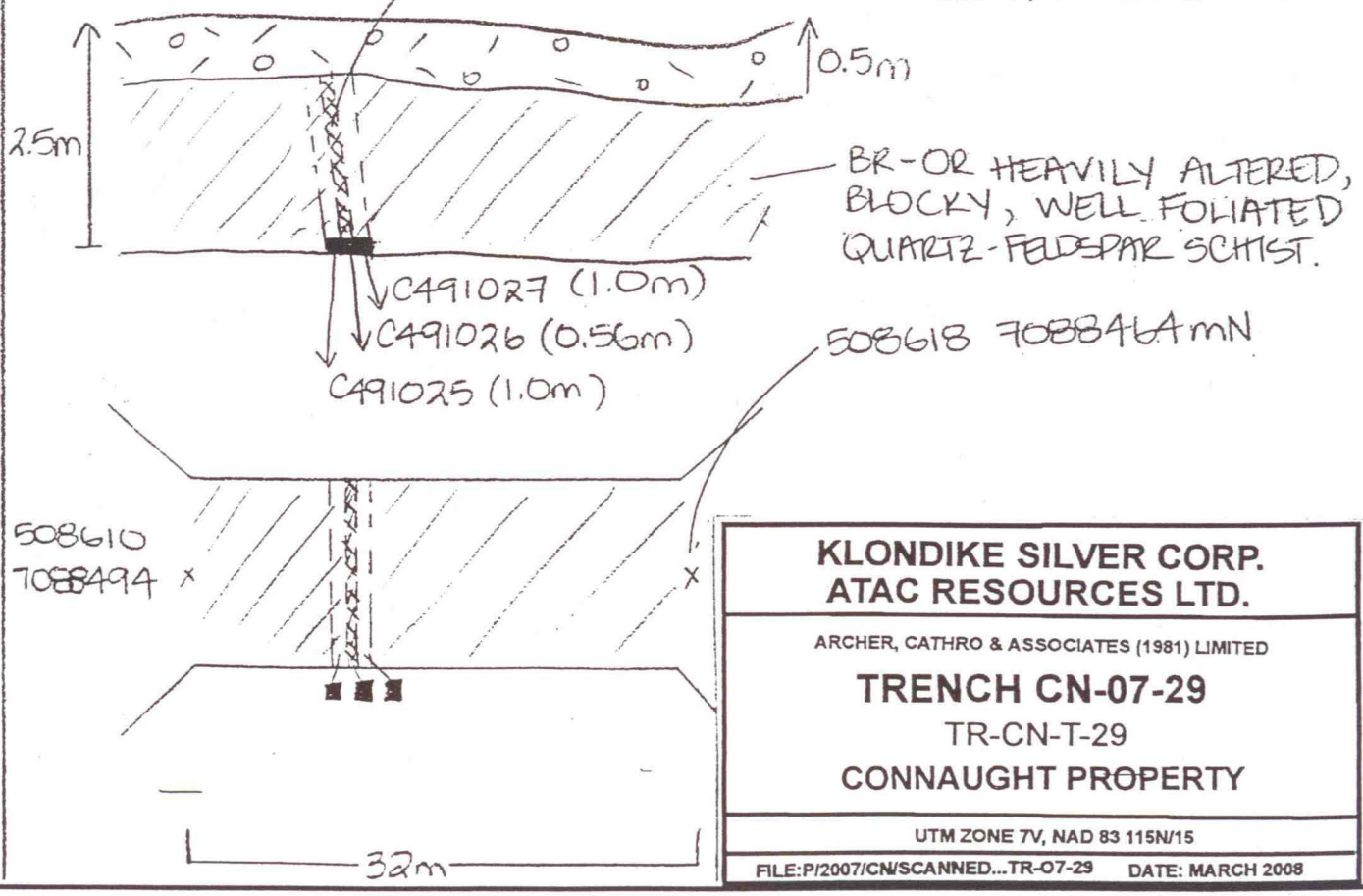
PAGE BREAK

CN-T-29

MOD-HEAVY SCORODITE - ANTIMONY SULFOSALT ALTERED QZ VEIN W/ BK SX-(?)

MOD-HEAVY PY + PØ TRACE GALENA BLEBS

N.T.S




**KLONDIKE SILVER CORP.**
**ATAC RESOURCES LTD.**

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

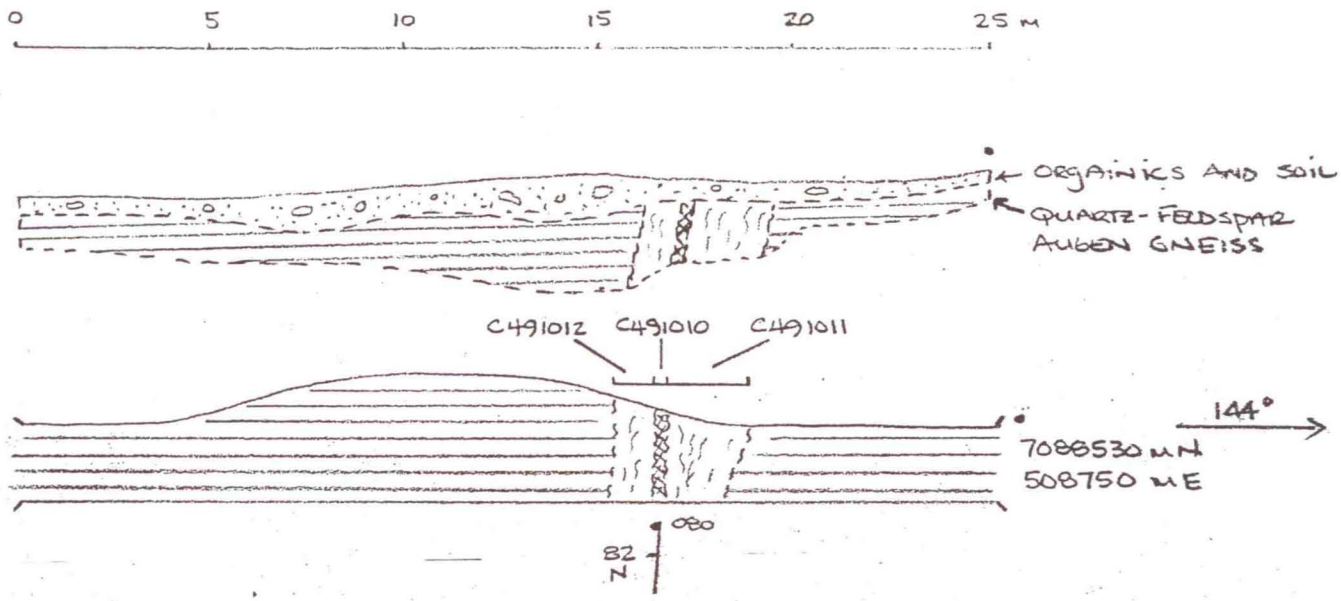
**TRENCH CN-07-29**

TR-CN-T-29

**CONNAUGHT PROPERTY**

UTM ZONE 7V, NAD 83 115N/15

FILE:P/2007/CN/SCANNED...TR-07-29 DATE: MARCH 2008




C491010: 30 cm QUARTZ CLAY ALTERED SHEAR
ABUNDANT LIMONITE ALONG FRACTURES + YELLOW ANTIMONY COATINGS
WITH 15 cm CORE REGION.

C491011: 2.0 M WEAKLY FRACTURED GNEISS WITH MINOR GREY CLAY
ALTERATION AND MILD GREEN HUE (ARSENO-SCORODITE).

C491012: 1.0 M SAME AS C491011.

SCALE 1:200

| KLONDIKE SILVER CORP.<br>ATAC RESOURCES LTD. |
|---|
| ARCHER, CATHRO & ASSOCIATES (1981) LIMITED |
| **TRENCH CN-T-30** |
| **CONNAUGHT PROPERTY** |
| UTM ZONE 7V, NAD 83 115N/15 |
| FILE:P/2007/CN/SCANNED...TR-07-30 DATE: MARCH 2008 |

# APPENDIX IV

# GEOTECHNICAL AND DIAMOND DRILL LOGS

**PROPERTY:** CN **HOLE:** CN-07-01

| LITHOLOGY | | | | | | | | | | ALT. | | | MINERALS | | | | SAMPLES | | | | | | | Blocks | | | GEOTECHNICAL | | | | | | JOINTS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Struct. | | | | | | | | | | | | | | | | | | | | | | | | | | | REC | | RQD | | | | | | | | | | |
| Type | Attitude | From (m) | To (m) | Interval (m) | Type | Unit | Texture | Modifier | Notes: | | | | | | | | From (m) | To (m) | Interval (m) | Sample | | | | From (m) | To (m) | Intvl. (m) | (m) | Percent | (m) | Percent | Weathering | Hardness | Frequency | Attitude | Shape | Roughness | Infilling | | |
| | | 0 | 1.52 | 1.52 | | | | | From 0-1.52m no rock was recovered. | | | | | | | | | | | | | | | 1.52 | 3.05 | 1.53 | 1.49 | 97.39 | 0.00 | 0 | | | | | | | | |
| | | 1.52 | 2.93 | 1.41 | | SCH | | | Finely laminated muscovite-biotite schist of the FRA. Foliation at 50 deg. Rare Qz augens <1cm. | | | | Musc | | Bi | Qz | | | | | | | | 3.05 | 4.57 | 1.52 | 1.06 | 69.74 | 0.24 | 15.79 | | | | | | | | |
| | | 2.93 | 3.6 | 0.67 | | ALT SCH | | | Contact is in very broken zone-no information gathered. Tan-BR-OR weathering muscovite dominant schist. Foliation at 40 deg. Minor Qz VT at 35deg. Opposite direction. Minor Py in Qz VT. | Fec | | | Musc | | Qz | Py | | | | | | | | 4.57 | 6.10 | 1.53 | 0.94 | 61.44 | 0.57 | 37.25 | | | | | | | | |
| | | 3.6 | 19.19 | 15.59 | | ALT SCH | | | Well foliated: 45deg Bi schist with w-m chlorite alteration and Qz augens ranging from .5cm to 3cm and are aligned parallel to foliation. Minor rusty areas (<1mm) and t Py. 15.47m Bi-sericite minor alteration also 2cm flood of Bull GY Qz. | | | | Bi | Qz | Py | Mn | | | | | | | 6.1 | 7.32 | 1.22 | 1.09 | 89.34 | 0.38 | 31.15 | | | | | | | | |
| | | | | | | | | | 17.37m very broken and blocky rock with minor Mn forming dendrites on Fx. | | | | | | | | | | | | | | | 7.32 | 9.14 | 1.82 | 1.12 | 61.54 | 1.00 | 54.95 | | | | | | | | |
| | | 19.19 | 20.37 | 1.18 | | SCH | | | Composition change rather than a unit change. Influx of Qz but not as augens. No muscovite in rock and Bi runs in small zones approximately parallel to c-axis. | | | | | | | | | | | | | | | 9.14 | 12.19 | 3.05 | 2.53 | 82.95 | 0.96 | 31.48 | | | | | | | | |
| | | 20.37 | 29.92 | 9.55 | | SCH | | | FRA musc-Bi schist with <10cm Bull GY Qz VN. Fol at 50 deg. Minor 3mm calcite VT occur starting at 23.85m. Run 45-50deg. Same orientation as foliation. | | | | Bi | | Mus | Ca | Qz | | | | | | | 12.19 | 15.24 | 3.05 | 2.72 | 89.18 | 2.31 | 75.74 | | | | | | | | |
| | | 29.92 | 30.47 | 0.55 | | Qz-Flooded SC | | | m-h Qz flood within schist. Py dom Sx. Chl alt of Bi-most distinct. Trace Py and t, t Sp. Minor PK Ca VTS at 25deg within core. | | | | | | | | | | | | | | | 15.24 | 17.37 | 2.13 | 1.86 | 87.32 | 1.50 | 70.42 | | | | | | | | |
| | | 30.47 | 30.97 | 0.5 | | SCH | | | Almost speckled Bi-Hb (?) rich Qz schist | | | | Bi | | Qz | Hb | | | | | | | 17.37 | 18.29 | 0.92 | 0.54 | 58.7 | 0.00 | 0 | | | | | | | | |
| | | 30.97 | 32.2 | 1.23 | | ALT SCH | | | Very WH Qz and calcite rich zone Bi-chlorite within mostly massive white Qz. At 31.17 becomes very Fx-ed. Extremely fractured to 32.20m. | | | | | | | | | | | | | | | 18.29 | 19.81 | 1.52 | 1.10 | 72.37 | 0.56 | 36.84 | | | | | | | | |
| | | 32.32 | 33.5 | 1.18 | | CHL SCH | | | mod chl alt SCH with minor musc and small (<1cm) Qz augens. | | | | musc | | | Qz | | | | | | | 19.81 | 21.95 | 2.14 | 2.12 | 99.05 | 1.24 | 57.94 | | | | | | | | |
| | | 33.5 | 35.82 | 2.32 | | SCH | | | un-altered BI-schist with Qz augens 0.5-2cm. 40 deg foliation. Mn dendrites on Fx surfaces. | | | | Bi | | Qz | Mn | | | | | | | 21.95 | 24.38 | 2.43 | 1.92 | 79.01 | 1.76 | 72.43 | | | | | | | | |
| | | 35.82 | 37.49 | 1.67 | | Qz | | | WH-OR-BR Dom Qz flood with deep RD-BR blebby Sx-oxidized Py? Minor Py and minor chl-Bi whistps within Qz which may be relict schist. | | | | | | | | | | | | | | | 24.38 | 27.43 | 3.05 | 2.36 | 77.38 | 1.66 | 54.43 | | | | | | | | |
| | | 37.49 | 43.62 | 6.13 | | SCH-Qz Flood | | | Very broken Qz (GY-bull) flushed schist. Musc and Bi. Irregular OR-pocked zones with remnant Py. Chl alt Bi x-cutting pitted Sx area <2mm. 35 deg opp to foliation which is 40 deg. Py, minor As and t Gn within small Sx-rich Fx's minor musc within schist. | | | | mus | | Bi | | | | | | | | | 27.43 | 29.87 | 2.44 | 2.35 | 96.31 | 1.71 | 70.1 | | | | | | | | |
| | | 43.62 | 45.41 | 1.79 | | SCH | | | Mod Qz augens (<1cm) within Bi Schist. Fol steepens to 60 deg. Minor OR-YW discolouration along Fx surface. | | | | | | | | | | | | | | | 29.87 | 33.53 | 3.66 | 2.96 | 73.5 | 0.89 | 24.32 | | | | | | | | |
| | | 45.41 | 50.66 | 5.25 | | BI SCH | | | Pale to med GY Qz augen Bi-musc sch, very well foliation at 60 deg. | | | | | | | | 34.40 | 35.82 | 1.42 | C491164 | | | | 33.53 | 34.44 | 0.91 | 0.75 | 82.42 | 0.22 | 24.18 | | | | | | | | |

**PROPERTY:** CN **HOLE:** CN-07-01

| LITHOLOGY | | | | | | | | | | ALT. | | | MINERALS | | | | SAMPLES | | | | | | | Blocks | | | GEOTECHNICAL | | | | | | JOINTS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Struct. | | | | | | | | | | | | | | | | | | | | | | | | | | | REC | | RQD | | | | | | | | | |
| Type | Attitude | From (m) | To (m) | Interval (m) | Type | Unit | Texture | Modfier | Notes: | | | | | | | | From (m) | To (m) | Interval (m) | Sample | | | | From (m) | To (m) | Intvl. (m) | (m) | Percent | (m) | Percent | Weathering | Hardness | Frequency | Attitude | Shape | Roughness | Infilling |
| | | | | | | | | | At 47.36m changes into more pale GY-OR schist and becomes more blocky | | | | | | | | 35.82 | 37.49 | 1.67 | C491165 | | | | 34.44 | 35.66 | 1.22 | 1.14 | 93.45 | 0.36 | 29.51 | | | | | | | |
| | | | | | | | | | At 47.79m Qz % increases dramatically. 50deg foliation within Qz. | | | | | | | | | | | | | | | 35.66 | 37.19 | 1.53 | 0.91 | 59.5 | 0.25 | 16.34 | | | | | | | |
| | | | | | | | | | At 49.0m small fec alt zone 30cm-no visible Sx. | | | | | | | | | | | | | | | 37.19 | 38.71 | 1.52 | 1.08 | 71.05 | 0.16 | 10.53 | | | | | | | |
| | | 50.66 | 57.73 | 7.07 | | SCH | | | medium to dark GY, heavily Qz augen-rich, very well foliated Bi-musc schist. No mineralization within the schist. Non - magnetic. Rare 1.5cm Qz VT at 45 deg, have Py with deep RD-BR halo at 54.07m. 1.5cm Qz bands-no mzn. | | | | | | | | | | | | | | | 38.71 | 39.62 | 0.91 | 0.84 | 92.31 | 0.29 | 31.87 | | | | | | | |
| | | 57.73 | 59.53 | 1.8 | | SCH | | | VERY MAFIC GR-BK, thinly foliated schist. Very little Qz component. Small zones of very dull GY Qz (bull) run <2cm at 35deg. Chl alt of some Bi. Dom fol is 45 deg. | chl | | | Bi | Mus | Hb | | | | | | | | | | 39.62 | 42.67 | 3.05 | 2.28 | 74.75 | 0.87 | 28.52 | | | | | | | |
| | | 59.53 | 61.46 | 1.93 | | SCH | | | Med GY-BK Qz augen Bi sch, mod chl alt with Bi and musc also. | chl | | | | | | | | | | | | | | | 42.67 | 44.50 | 1.83 | 1.67 | 91.26 | 1.05 | 57.38 | | | | | | | |
| | | 61.46 | 62.76 | 1.3 | | QZ FLOOD | | | Bull GY-off WH Qz flood with lath like med to dark green (chl alt Hb?) in 10-12cm zones-no dominant orientation. More broken than adjacent SCH units. | | | | | | | | | | | | | | | | 44.50 | 45.72 | 1.22 | 1.07 | 87.77 | 0.38 | 31.15 | | | | | | | |
| | | 62.76 | 65.91 | 3.15 | | SCH | | | Dark GY-BK-GR well fol, Qa poor (except in 1cm bands) schist. Rare augens. Silvery mica (thought maybe to be muscovite prev-another type?) has distinct layering with Bi. Fol at 55deg. Minor RD-BR fec-oxidized marks <2mm assc with Py. | | | | | | | | | | | | | | | 45.72 | 48.77 | 3.05 | 2.68 | 87.87 | 1.72 | 56.39 | | | | | | | |
| | | 65.91 | 71.09 | 5.18 | | GNE | | | Well foliated Qz augen, Bi-silver mica gneiss with and increase in Qz bands (<1cm at 65deg) within fol. Moderate chlorite alteration. Py mineralization with OR-BR haloes-rare and assc with x-cutting VTX. | chl | | | Bi | Qz | mus | Py | 67.70 | 68.70 | 1.00 | C491166 | | | | 48.77 | 51.82 | 3.05 | 2.53 | 82.95 | 1.57 | 51.48 | | | | | | | |
| | | | | | | | | | | | | | | | | | 68.70 | 69.70 | 1.00 | C491167 | | | | 51.82 | 54.86 | 3.04 | 2.69 | 88.49 | 2.38 | 78.29 | | | | | | | |
| | | | | | | | | | | | | | | | | | 69.70 | 71.09 | 1.39 | C491168 | | | | 54.86 | 57.61 | 2.75 | 2.39 | 86.91 | 1.82 | 66.18 | | | | | | | |
| | | 71.09 | 71.89 | 0.8 | | SCH | | | VERY MAFIC Dark metallic GY and BK schist. Total Qz content <15%. Fol at 50 deg. | | | | | | | | 71.09 | 71.89 | 0.80 | C491169 | | | | 57.61 | 59.44 | 1.83 | 1.39 | 75.96 | 0.85 | 46.45 | | | | | | | |
| | | 71.89 | 73.89 | 2 | | SCH | | | Fec alt rusty BR BK and silver mica schist. Well foliated at 60deg. W-m broken, rare Qz augens with dull YW-OR colour-minor PY | fec | | | Py | | | | BLANK | BLANK | | C491170 | | | | 59.44 | 60.96 | 1.52 | 1.25 | 82.24 | 0.80 | 52.63 | | | | | | | |
| | | 73.89 | 74.98 | 1.09 | | RUBBLE/GAUG | | | Very broken Rubble-gauge zone with Fec alt and shards of BR-OR schist. Incredibly fractured. | | | | | | | | 71.89 | 73.89 | 2.00 | C491171 | | | | 60.96 | 62.18 | 1.22 | 1.04 | 85.25 | 0.20 | 16.39 | | | | | | | |
| | | 74.98 | 78.79 | 3.81 | | MAIN VEIN ZO | | | Somewhat abrupt start into the MAIN VEIN ZONE!!!!! Occurs directly after the rubble zone. | | | | | | | | | | | | | | | 62.18 | 64.01 | 1.83 | 1.39 | 75.96 | 0.93 | 50.82 | | | | | | | |

**PROPERTY:** CN **HOLE:** CN-07-01

| LITHOLOGY | | | | | | | | | | ALT. | | | MINERALS | | | | SAMPLES | | | | | | | Blocks | | | GEOTECHNICAL | | | | | | JOINTS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Struct. | | | | | | | | | | | | | | | | | | | | | | | | | | | REC | | RQD | | | | | | | | | |
| Type | Attitude | From (m) | To (m) | Interval (m) | Type | Unit | Texture | Modfier | Notes: | | | | | | | | From (m) | To (m) | Interval (m) | Sample | | | | From (m) | To (m) | Intvl. (m) | (m) | Percent | (m) | Percent | Weathering | Hardness | Frequency | Attitude | Shape | Roughness | Infilling |
| | | | | | | | | | 74.98-76.20m very pale green scorodite altered vein. Appears to be strongly overprinting the schist. Almost tartan-like texture with sericite and scorodite. 1cm Bull Qz VT with dark GY-BK Sx and Py (40 deg). One 2.5cm band (60deg) with abundant disseminated Py, As, t Cp and ? (Au coloured, irregularly shaped-small mineral). Minor hairline Fx with Py, GY Sx approximately parallel to c-axis-rare. | sco | ser | | Py | Cp | As | ? | 73.89 | 74.98 | 1.09 | C491172 | | | | 64.01 | 65.53 | 1.52 | 1.07 | 70.39 | 0.46 | 30.26 | | | | | | | | |
| | | | | | | | | | 76.20-76.76m zone with host rock same as previous but there is a 5 cm TRUE thickness semi massive to massive Sx band with As, dull GY-non-descript Sx(?) base with two-toned Py blebs up to 2cm and rare intermixed disseminated Cp. Sx band cuts the core at 20deg and therefore is present for a significant lenght. Possibly cerussite. Massive Py is dominates the last 3 cm of the Sx band- with As, and w Cp. | | | | | | | | 74.98 | 76.20 | 1.22 | C491173 | | | | 65.53 | 67.05 | 1.52 | 1.50 | 98.68 | 1.10 | 72.37 | | | | | | | | |
| | | | | | | | | | | | | | | | | | 76.20 | 76.76 | 0.56 | C491174 | | | | 67.05 | 68.28 | 1.23 | 1.02 | 82.93 | 0.56 | 45.53 | | | | | | | |
| | | | | | | | | | 76.76-78.79m still in main vein zone! Pale GY-GR-YW mod fol Qz rich vein. Foliation of relict SCH at 45 deg. Small bands of bull Qz. Fom Sx is Py disseminated in 0.5-1.5cm blebs-generally two-toned and assc with Qz VT. Rare dark Gy Sx blebs-Gn? Not typical Gn. 1cm Qz VT with blebbly Py and Gn-two of them at 25 deg. | | | | | | | | 76.76 | 78.79 | 2.03 | C491175 | | | | 68.28 | 69.49 | 1.21 | 0.91 | 75.21 | 0.41 | 33.88 | | | | | | | | |
| | | 78.79 | 81.43 | 2.64 | | SCH | | | 78.79-79.84m very OR-BR alt schist. Silver mica and minor Qz. Py dom Sx in blebs assc with RD x-cutting Fx's at 40deg opp to foliation and 1/4 turn 50 deg. Last 10cm of sample is OR-bull Qz with BK stringers-Bi. | | | | | | | | 78.79 | 79.84 | 1.05 | C491176 | | | | 69.49 | 71.02 | 1.53 | 1.05 | 68.83 | 0.10 | 6.54 | | | | | | | | |
| | | | | | | | | | 79.84-81.43m gneiss. Minor augen gneiss with very dominant mafic componene-Qz rare. Rhin dark x-cutting Sx rich (?) bands cut the Qz VTs. 40 deg opp the 60 deg foliation. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 71.02 | 73.15 | 2.13 | 1.82 | 85.45 | 0.80 | 37.56 | | | | | | | |
| | | 81.43 | 83.91 | 2.48 | | Bull Qz | | | | | | | | | | | | | | | | | | 73.15 | 74.98 | 1.83 | 1.45 | 79.23 | 0.10 | 5.46 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 74.98 | 76.20 | 1.22 | 0.84 | 68.85 | 0.56 | 45.9 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 76.20 | 78.64 | 2.44 | 2.33 | 95.49 | 1.67 | 68.44 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 78.64 | 81.69 | 3.05 | 2.91 | 95.41 | 2.51 | 82.3 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 81.69 | 82.30 | 0.61 | 0.40 | 65.57 | 0.29 | 47.54 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 82.30 | 85.34 | 3.04 | 2.86 | 94.08 | 2.10 | 69.08 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 85.34 | 87.48 | 2.14 | 2.03 | 94.86 | 0.84 | 39.25 | | | | | | | |

**PROPERTY:** **HOLE:** CN-07-02

| Struct. | | LITHOLOGY | | | | | | | | ALT. | | | MINERALS | | | | SAMPLES | | | | | | | Blocks | | | GEOTECHNICAL | | | | | | JOINTS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | REC | | RQD | | | | | | | | | |
| Type | Attitude | From (m) | To (m) | Interval (m) | Type | Unit | Texture | Modifier | Notes: | | | | | | | | From (m) | To (m) | Interval (m) | Sample | | | | From (m) | To (m) | Intvl. (m) | (m) | Percent | (m) | Percent | Weathering | Hardness | Frequency | Attitude | Shape | Roughness | Infilling |
| | | 0.00 | 1.53 | 1.53 | | | | | Casing/rubble | | | | | | | | | | | | | | | 1.53 | 3.96 | 2.43 | 1.28 | 52.67 | 0.68 | 27.98 | | | | | | | |
| | | 1.53 | 3.96 | 2.43 | | SCH | | | very weakly chl-alt Bi schist with ~40% quartz. Fol at 60. | | | | | | | | | | | | | | | 3.96 | 6.10 | 2.14 | 2.04 | 95.33 | 1.31 | 61.21 | | | | | | | |
| | | 3.96 | 5.21 | 1.25 | | CHL SCH | | | very dark GR-BK chl schist. Minor calcite VTS. Fol at 40. | | | | | | | | | | | | | | | 6.10 | 9.14 | 3.04 | 2.73 | 89.8 | 2.20 | 72.37 | | | | | | | |
| | | 5.21 | 6.16 | 0.95 | | SCH | | | Foliated augen schist | | | | | | | | | | | | | | | 9.14 | 12.19 | 3.05 | 2.83 | 92.79 | 1.94 | 63.61 | | | | | | | |
| | | 6.16 | 6.72 | 0.56 | | CHL SCH | | | small zone of chl schist | | | | | | | | | | | | | | | 12.19 | 15.24 | 3.05 | 2.83 | 92.79 | 2.06 | 67.54 | | | | | | | |
| | | 6.72 | 8.76 | 2.04 | | QUARTZITE | | | WH quartzite with stringers of chl alt Bi. Some areas have spiderweb-style/net-textured chl XT. | | | | | | | | | | | | | | | 15.24 | 16.46 | 1.22 | 1.03 | 84.43 | 0.49 | 40.16 | | | | | | | |
| | | 8.76 | 8.88 | 0.12 | | CHL SCH | | | small band of well fol dark GY and BK banded schist | | | | | | | | | | | | | | | 16.46 | 18.29 | 1.83 | 1.39 | 75.96 | 0.84 | 45.9 | | | | | | | |
| | | 8.88 | 9.72 | 0.84 | | SCH | | | Qz augen schist. Minor chl alt. | | | | | | | | | | | | | | | 18.29 | 19.20 | 0.91 | 0.88 | 96.7 | 0.10 | 10.99 | | | | | | | |
| | | 9.72 | 12.68 | 2.96 | | RUSTY SCH | | | Qz dominant-but not flooded-BR-OR altered, poorly fol schist. Small Qz VTS with Py, Cp and As (?) Overall very poorly mineralized but some Sx are present. Lower contact ~30deg. | | | | | | | | | | | | | | | 19.20 | 21.33 | 2.13 | 1.61 | 75.59 | 0.51 | 23.94 | | | | | | | |
| | | 12.68 | 36.57 | 23.89 | | Qz augen SCH | | | Qz augen (<4cm) schist. Minor chl alt Bi bands with fol at 50 deg. Rusty Py assc with some Bi bands. Very LONG zone. Broken from 19-19.31m with calcite on Fx's. Broken-rubble from 25.70 to 26.30m. Fol consistently at 40 deg. At 35.80m oxidized 3mm Py band. RD-BR at 45 deg. | | | | | | | | | | | | | | | 21.33 | 24.38 | 3.05 | 2.30 | 75.41 | 1.50 | 49.18 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 24.38 | 25.91 | 1.53 | 1.24 | 82.01 | 0.25 | 16.34 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 25.91 | 27.43 | 1.52 | 1.30 | 85.53 | 1.04 | 68.42 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 27.43 | 28.65 | 1.22 | 1.20 | 98.36 | 0.86 | 70.49 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 28.65 | 30.48 | 1.83 | 1.16 | 63.39 | 0.74 | 40.44 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 30.48 | 32.92 | 2.44 | 2.30 | 94.26 | 1.07 | 43.85 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 32.92 | 33.83 | 0.91 | 0.89 | 97.8 | 0.62 | 68.13 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 33.83 | 35.97 | 2.14 | 1.61 | 75.23 | 0.73 | 34.11 | | | | | | | |
| | | | | | | | | | | | | | | | | | 35.67 | 36.57 | 0.90 | C491193 | | | | 35.97 | 39.01 | 3.04 | 2.71 | 89.14 | 2.22 | 73.03 | | | | | | | |
| | | 36.57 | 37.69 | 1.12 | | SKARN | | | very fine grained, non-magnetic diopside (actinolite?) tremolite skarn with Qz as thin VTS. YW-OR oxidation, vuggy Qz cavity. Don Sx is Py with blebby and blocky Sp or He. | | | | | | | | 36.57 | 37.69 | 1.12 | C491177 | | | | 39.01 | 41.76 | 2.75 | 2.42 | 88 | 1.99 | 72.36 | | | | | | | |
| | | 37.69 | 40.48 | 2.79 | | RUSTY Qz FL | | | Minor Qz augen gneiss with fol at 40 deg. 20 cm of OR-weathering vuggy bull Qz. No major Sx. Rare BK-(manganese?) XT within Qz and silicified sch. | | | | | | | | 37.69 | 40.48 | 2.79 | C491178 | | | | 41.76 | 42.98 | 1.22 | 0.88 | 72.13 | 0.10 | 8.2 | | | | | | | |
| | | 40.48 | 41.50 | 1.02 | | SCH | | | Qz augen schist with chl alt Bi bands and fol at 40 deg. | | | | | | | | 40.48 | 41.50 | 1.02 | C491179 | | | | 42.98 | 45.72 | 2.74 | 2.36 | 86.13 | 1.60 | 58.39 | | | | | | | |
| | | 41.50 | 43.56 | 2.06 | | BR-OR ALT SC | | | Minor Qz flooded BR-OR altered schist. Lower contact appears to change gradually. | | | | | | | | | | | | | | | 45.72 | 48.16 | 2.44 | 2.22 | 90.98 | 1.56 | 63.93 | | | | | | | |
| | | 43.56 | 66.14 | 22.58 | | SCH | | | Bi and silvery-mica rich Qz augen schist. Fol at 35, some FX surfaces have calcite fillings. Rare 10 cm Bull WH Qz VN ~ parallel to foliation. | | | | | | | | | | | | | | | 48.16 | 49.99 | 1.83 | 1.49 | 81.42 | 1.03 | 56.28 | | | | | | | |
| | | 66.14 | 68.13 | 1.99 | | CHL SCH | | | Very dark GR-BK, high grade metamorphic chl schist. In middle of unit 20 cm of very fractured rock. | | | | | | | | | | | | | | | 49.99 | 50.90 | 0.91 | 0.91 | 100 | 0.44 | 48.35 | | | | | | | |
| | | 68.13 | 72.20 | 4.07 | | | | | Off-WH bull Qz vn with irregular dark emeral GR mineralization. Could be fugsite(?), chl alt Bi (OR a Sx?). From 70.10 to 72.02m very broken and blocky. | | | | | | | | | | | | | | | 50.90 | 51.51 | 0.61 | 0.26 | 42.62 | 0.00 | 0 | | | | | | | |

**PROPERTY:** **HOLE:** CN-07-02

| Struct. | | LITHOLOGY | | | | | | | | ALT. | | | MINERALS | | | | SAMPLES | | | | | | | Blocks | | | GEOTECHNICAL | | | | | | JOINTS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | REC | | RQD | | | | | | | | | |
| Type | Attitude | From (m) | To (m) | Interval (m) | Type | Unit | Texture | Modifier | Notes: | | | | | | | | From (m) | To (m) | Interval (m) | Sample | | | | From (m) | To (m) | Intvl. (m) | (m) | Percent | (m) | Percent | Weathering | Hardness | Frequency | Attitude | Shape | Roughness | Infilling | |
| | | 72.20 | 80.53 | 8.33 | | SCH | | | Qz augen Bi schist with small 10-13 cm chl-sch zones parallel to fol (40 deg). Over length of interval the foliation changes from 50 to 40. | | | | | | | | | | | | | | | 51.51 | 53.34 | 1.83 | 1.78 | 97.27 | 1.48 | 80.87 | | | | | | | | |
| | | 80.53 | 81.26 | 0.73 | | ALT SCH | | | Very TN-OR alt gneiss. No vis mzn. | | | | | | | | | | | | | | | 53.34 | 54.86 | 1.52 | 1.25 | 82.24 | 1.03 | 67.76 | | | | | | | | |
| | | 81.26 | 82.30 | 1.04 | | SCH | | | Qz augen gneiss | | | | | | | | | | | | | | | 54.86 | 56.69 | 1.78 | 1.77 | 99.44 | 1.29 | 72.47 | | | | | | | | |
| | | 82.30 | 83.35 | 1.05 | | Qz FL | | | Qz flooded Qz augen gneiss with OR alteration zones. | | | | | | | | 82.30 | 83.35 | 1.05 | C491180 | | | | 56.69 | 58.83 | 2.14 | 1.61 | 75.23 | 1.03 | 48.13 | | | | | | | | |
| | | 83.35 | 84.93 | 1.58 | | | | | | | | | | | | | | | | | | | | 58.83 | 60.96 | 2.13 | 2.09 | 98.12 | 1.70 | 79.81 | | | | | | | | |
| | | 84.93 | 86.70 | 1.77 | | | | | Intersting unit. Upper contact at 40. Into black -very dark GY irregular shaped Qz augen chl schist. The untramafic zone hosts disseminated PY, Sp (?) and t Cp. Almost Qz-eye BRXX in one area. Rock is very heavy. Non magnetic. | | | | | | | | 84.93 | 86.70 | 1.77 | C491181 | | | | 60.96 | 62.48 | 1.52 | 1.51 | 99.34 | 1.18 | 77.63 | | | | | | | | |
| | | 86.70 | 118.35 | 31.65 | | GNE | | | Qz augen gneiss with fol at 50. At 94m dark 1cm bands 80 deg to c-axis. | | | | | | | | 86.70 | 87.64 | 0.94 | C491182 | | | | 62.48 | 64.01 | 1.53 | 0.92 | 60.13 | 0.34 | 22.22 | | | | | | | | |
| | | | | | | | | | 96.37-97.23m OR Alt of sch-Qz augens still. | | | | | | | | | | | | | | | 64.01 | 65.53 | 1.52 | 1.36 | 89.47 | 1.20 | 78.95 | | | | | | | | |
| | | | | | | | | | At 98.13m 13cm 'swirly' almost mylonitic. Ultramafic and felsic bands parallel to fol. | | | | | | | | | | | | | | | 65.53 | 66.14 | 0.61 | 0.60 | 98.36 | 0.20 | 32.79 | | | | | | | | |
| | | | | | | | | | Aside from small Qz flood/bands (3cm) rare and varying concentrations of augens and 'spacings' of Bi-bands wrt foliation. | | | | | | | | | | | | | | | 66.14 | 67.36 | 1.22 | 0.80 | 65.57 | 0.42 | 34.43 | | | | | | | | |
| | | | | | | | | | Samples are of the country rock adjacent to the main alteration vein zone. | | | | | | | | 116.35 | 117.35 | 1.00 | C491183 | | | | 67.36 | 68.58 | 1.22 | 0.63 | 51.64 | 0.22 | 18.03 | | | | | | | | |
| | | | | | | | | | | | | | | | | | 117.35 | 118.35 | 1.00 | C491184 | | | | 68.58 | 70.10 | 1.52 | 1.25 | 82.24 | 0.22 | 14.47 | | | | | | | | |
| | | 118.35 | 126.83 | 8.48 | | | | | START OF MAIN VEIN/ALTERATION ZONE | | | | | | | | | | | | | | | 70.10 | 70.71 | 0.61 | 0.37 | 60.66 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | 118.35-119.35m natural break. Very pale GR BR and OR Qz augen gneiss for first 45 cm then a 1cm band at 50 deg. Band of BR-OR oxidized Sx-Py. After Py band, augens become 'squished' almost fiamme-like (result of pressure). Minor scorodite alteration when approaching the gaugy zone. | | | | | | | | 118.35 | 119.35 | 1.00 | C491185 | | | | 70.71 | 73.15 | 2.44 | 1.84 | 75.41 | 0.41 | 16.8 | | | | | | | | |
| | | | | | | | | | 119.35-120.09m Main alteration zone-scorodite (pale GR) and arsenic sulphasalts (v. bright YW) dominate the Qz-rich, blocky and broken gauge zone. | | | | | | | | 119.35 | 120.09 | 0.74 | C491186 | | | | 73.15 | 74.98 | 1.83 | 1.50 | 81.97 | 1.28 | 69.95 | | | | | | | | |
| | | | | | | | | | Almost tartan style Fx/alteration of scorodite. Small, dark BL-BK Sx with As disseminated within this interval. | | | | | | | | | | | | | | | 74.98 | 78.03 | 3.05 | 2.91 | 95.41 | 2.64 | 86.56 | | | | | | | | |
| | | | | | | | | | 120.09-121.40m Pale ser-alt Qz rich schist with band (1.5 cm at 35 deg). Chalcedony, headily disseminated Py, pale YW pits and minor dark GY bands. Possibly Sx. | | | | | | | | 120.09 | 121.40 | 1.31 | C491187 | | | | 78.03 | 79.25 | 1.22 | 1.22 | 100 | 1.12 | 91.8 | | | | | | | | |
| | | | | | | | | | 121.40-123.96m minor Qz flooded, weakly OR altered gneiss. | | | | | | | | 121.40 | 123.96 | 2.56 | C491188 | | | | 79.25 | 82.30 | 3.05 | 2.90 | 95.08 | 2.63 | 86.23 | | | | | | | | |
| | | | | | | | | | 123.96-125.73m heavily broken, slightly gaugy and w-m altered gneiss. | | | | | | | | 123.96 | 125.73 | 1.77 | C491189 | | | | 82.30 | 85.34 | 3.04 | 2.82 | 92.76 | 2.54 | 83.55 | | | | | | | | |
| | | | | | | | | | 125.73-126.83m last part of alteration zone-small bands with rare unknown dark GY Sx. | | | | | | | | 125.73 | 126.83 | 1.10 | C491190 | | | | 85.34 | 87.17 | 1.83 | 1.60 | 87.43 | 0.48 | 26.23 | | | | | | | | |
| | | 126.83 | 131.03 | 4.20 | | SCH | | | Upper contact is broken. Weakly OR-altered Qz augen schist. Minor Ca lined Fx's with OR alteration haloes. Foliation at 50 deg. | | | | | | | | 126.83 | 128.87 | 2.04 | C491191 | | | | 87.17 | 88.39 | 1.22 | 1.07 | 87.7 | 0.47 | 38.52 | | | | | | | | |

**PROPERTY:** **HOLE:** CN-07-02

| Struct. | | LITHOLOGY | | | | | | | | ALT. | | | MINERALS | | | | SAMPLES | | | | | | | Blocks | | | GEOTECHNICAL | | | | | | JOINTS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | REC | | RQD | | | | | | | | | |
| Type | Attitude | From (m) | To (m) | Interval (m) | Type | Unit | Texture | Modifier | Notes: | | | | | | | | From (m) | To (m) | Interval (m) | Sample | | | | From (m) | To (m) | Intvl. (m) | (m) | Percent | (m) | Percent | Weathering | Hardness | Frequency | Attitude | Shape | Roughness | Infilling | |
| | | 131.03 | 134.03 | 3.00 | | SCH | | | Medium GY, well foliated augen schist. Fol at 45. Rare Ca VTS x-cut fol in opp direction at 30 deg. | | | | | | | | 128.87 | 130.15 | 1.28 | C491192 | | | | 88.39 | 90.83 | 2.44 | 2.23 | 91.39 | 1.95 | 79.92 | | | | | | | | |
| | | 134.03 | 137.16 | 3.13 | | CHL SCH | | | Well banded chl schist with interbands of very BK-GY 'speckly' schist. Rare Qz augens parallel to fol at 50 deg. | | | | | | | | | | | | | | | 90.83 | 91.44 | 0.61 | 0.44 | 72.13 | 0.13 | 21.31 | | | | | | | | |
| | | 137.16 | 137.46 | 0.30 | | RUBBLE | | | End of hole is rubble. | | | | | | | | | | | | | | | 91.44 | 94.49 | 3.05 | 2.61 | 85.57 | 1.76 | 57.7 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 94.49 | 97.54 | 3.05 | 3.01 | 98.69 | 2.57 | 84.26 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 97.54 | 99.97 | 2.43 | 2.11 | 86.83 | 1.91 | 78.6 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 99.97 | 103.02 | 3.05 | 2.94 | 96.39 | 2.33 | 76.39 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 103.02 | 106.07 | 3.05 | 2.96 | 97.05 | 2.00 | 65.57 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 106.07 | 107.59 | 1.52 | 1.31 | 86.18 | 1.23 | 80.92 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 107.59 | 109.12 | 1.53 | 1.23 | 80.39 | 0.62 | 40.52 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 109.12 | 109.73 | 0.61 | 0.56 | 91.8 | 0.37 | 60.66 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 109.73 | 110.64 | 0.91 | 0.71 | 78.02 | 0.38 | 41.76 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 110.64 | 111.56 | 0.92 | 0.45 | 48.91 | 0.11 | 12.09 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 111.56 | 112.47 | 0.91 | 0.61 | 66.3 | 0.21 | 23.08 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 112.47 | 113.39 | 0.92 | 0.69 | 75 | 0.11 | 11.96 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 113.39 | 114.91 | 1.52 | 1.45 | 95.39 | 0.74 | 48.68 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 114.91 | 116.13 | 1.22 | 1.02 | 83.61 | 0.36 | 29.51 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 116.13 | 117.65 | 1.52 | 1.08 | 71.05 | 0.32 | 21.05 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 117.65 | 119.79 | 2.14 | 1.84 | 85.98 | 0.55 | 25.7 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 119.79 | 121.92 | 2.13 | 1.66 | 77.93 | 0.52 | 24.41 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 121.92 | 122.53 | 0.61 | 0.42 | 68.85 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 122.53 | 124.05 | 1.52 | 1.04 | 68.42 | 0.13 | 8.55 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 124.05 | 125.88 | 1.83 | 1.11 | 60.66 | 0.23 | 12.57 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 125.88 | 126.19 | 0.31 | 0.24 | 77.42 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 126.19 | 126.49 | 0.30 | 0.18 | 60 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 126.49 | 126.80 | 0.31 | 0.08 | 25.81 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 126.80 | 127.41 | 0.61 | 0.37 | 60.66 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 127.41 | 128.02 | 0.61 | 0.40 | 65.57 | 0.20 | 32.79 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 128.02 | 130.15 | 2.13 | 1.87 | 87.79 | 0.88 | 41.31 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 130.15 | 133.20 | 3.05 | 2.65 | 86.89 | 1.96 | 64.26 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 133.20 | 134.11 | 0.91 | 0.90 | 98.9 | 0.55 | 60.44 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 134.11 | 137.16 | 3.05 | 2.45 | 80.33 | 2.22 | 72.79 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 137.16 | 137.46 | 0.30 | 0.10 | 33.33 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | EOH | | | | | | | | | | | | | | |

**PROPERTY:** CN **HOLE:** CN-07-03

| Struct. | | LITHOLOGY | | | | | | | | ALT. | | | MINERALS | | | | SAMPLES | | | | | | | Blocks | | | GEOTECHNICAL | | | | | | JOINTS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | REC | | RQD | | | | | | | | | |
| Type | Attitude | From (m) | To (m) | Interval (m) | Type | Unit | Texture | Modifier | Notes: | | | | | | | | From (m) | To (m) | Interval (m) | Sample | | | | From (m) | To (m) | Intvl. (m) | (m) | Percent | (m) | Percent | Weathering | Hardness | Frequency | Attitude | Shape | Roughness | Infilling |
| | | 1.52 | 3.34 | 1.82 | Rubble | | | | Rubble of chl altered schist and gneiss | | | | | | | | | | | | | | | 1.52 | 3.66 | 2.14 | 0.54 | 25.23 | 0.00 | 0 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 3.66 | 4.88 | 1.22 | 0.44 | 36.07 | 0.17 | 13.93 | | | | | | | |
| J | 40 | 3.34 | 4.88 | 1.54 | Gneiss | | | | weakly chl gneiss with bt as the foliation. Bi and cly coatings on fracture surfaces and minor cly and bi alteration of felfspar. At 3.66m here is a 6cm bed of cly ( brown) | chl | cly | bi | | | | | | | | | | | 4.88 | 5.18 | 0.30 | 0.20 | 66.67 | 0.00 | 0 | | | | | | | |
| | | 4.88 | 4.99 | 0.11 | Rubble | | | | Rubble of schist and gneiss | | | | | | | | | | | | | | | 5.18 | 6.10 | 0.92 | 0.90 | 97.83 | 0.70 | 77.78 | | | | | | | |
| | | 4.99 | 5.09 | 0.1 | Qtz Vein | | | | Qtz vein with veins of feldspar included in the qtz. | bi | | | | | | | | | | | | | | 6.10 | 7.62 | 1.52 | 1.15 | 75.66 | 0.14 | 9.21 | | | | | | | |
| | | 5.09 | 5.25 | 0.16 | Gneiss | | | | Light to moderatly foliated gneiss with small veins (<1mm) of py (black sulphide) with minor as disseminations. | chl | | | | py | as | | | | | | | | 7.62 | 9.14 | 1.52 | 1.31 | 86.18 | 0.39 | 25.66 | | | | | | | |
| | | 5.25 | 5.36 | 0.11 | Rubble | | | | Rubble of schist and gneiss | | | | | | | | | | | | | | | 9.14 | 10.97 | 1.83 | 1.53 | 83.61 | 0.46 | 25.16 | | | | | | | |
| J | 45 | 5.36 | 6.55 | 1.19 | Gneiss | | | | Moderatly chl gneiss with bt ,bi or partly py infilling fractures. Chy, bi, and MnO commonly coat joint plains | chl | bi | MnO | | py | | | | | | | | | | 10.97 | 12.19 | 1.22 | 0.80 | 65.57 | 0.12 | 9.84 | | | | | | | |
| | | 6.55 | 7.89 | 1.34 | Gneiss | | | | Silicified gniess with bt infiling fractures with sections of bi altered infilling bi + cl alteration around the margins of fractures. | bi | cly | | | | | | | | | | | | 12.19 | 13.41 | 1.22 | 0.93 | 76.23 | 0.32 | 26.23 | | | | | | | |
| J | 40 | 7.89 | 10.52 | 2.63 | Gneiss | | | | shistosic bt gneiss with bi+MnO staining on joint planesand sections of spotty gniess (bt in little spots instead of beds) | bi | MnO | | | | | | | | | | | | 13.41 | 15.24 | 1.83 | 1.60 | 87.43 | 0.57 | 31.15 | | | | | | | |
| | | 10.52 | 14.58 | 4.06 | Gneiss | | | | Silicified gneiss with cly+bi alteration of feldsar(?) and minor chl of bt. Sugary yellow to green minerals ( Sb rich? And scorodite-possibly jarosite) coat the joint planes from 11.7 as well as bi | cly | bi | chl | sc | Sb | | | | | | | | | | 15.24 | 17.07 | 1.83 | 1.53 | 83.61 | 0.93 | 50.82 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 17.07 | 18.29 | 1.22 | 1.11 | 91 | 0.86 | 70.49 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 18.29 | 19.81 | 1.52 | 1.15 | 75.66 | 0.35 | 23.03 | | | | | | | |
| | | 14.58 | 19.07 | 4.49 | Gneiss | | | | Moderatly chl gneiss with bi altering feldspar interval contains small bands of silicified gneiss. | chl | | | | | | | | | | | | | 19.81 | 21.34 | 1.53 | 1.34 | 87.58 | 0.21 | 11.48 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 21.34 | 23.47 | 2.13 | 1.95 | 91.55 | 1.13 | 53.05 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 23.47 | 25.60 | 2.13 | 1.81 | 84.98 | 0.90 | 42.25 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 25.60 | 27.74 | 2.14 | 2.09 | 97.66 | 1.90 | 88.79 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 27.74 | 28.65 | 0.91 | 0.63 | 69.23 | 0.00 | 0 | | | | | | | |
| | | 19.07 | 19.81 | 0.74 | Gneiss | | | | Moderate to strongly cly altered and fractured gneiss | cly | | | | | | | | | | | | | 28.65 | 29.56 | 0.91 | 0.80 | 87.91 | 0.37 | 40.66 | | | | | | | |
| | | 19.81 | 20.96 | 1.15 | Gneiss | | | | Highlt chl bt gneiss with a 2.5cm porphyry bend which has cly altered feldspar and blebs or py+as(<1% total) | chl | cly | | py | as | | | | | | | | 29.56 | 32.00 | 2.44 | 1.90 | 77.87 | 0.43 | 17.62 | | | | | | | |
| | | 20.96 | 28.04 | 7.08 | Gneiss | | | | Moderatly to strongle chl altered bt gneiss with bands of silicification bi infills fractures and coats joint planes with scorodite+Sb minerals + Asenated?) | chl | bi | | sc | sb | | | | | | | | 32.00 | 33.53 | 1.53 | 1.33 | 86.93 | 0.60 | 39.21 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 33.53 | 35.36 | 1.83 | 1.49 | 81.42 | 0.57 | 31.15 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 35.36 | 36.58 | 1.22 | 1.02 | 83.61 | 0.62 | 50.82 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 36.58 | 38.71 | 2.13 | 2.03 | 95.31 | 1.65 | 77.46 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 38.71 | 40.53 | 1.82 | 1.53 | 84.07 | 0.70 | 38.46 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 40.53 | 42.37 | 1.84 | 1.37 | 74.46 | 0.82 | 44.56 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 42.37 | 44.20 | 1.83 | 1.53 | 83.61 | 0.87 | 47.54 | | | | | | | |
| | | 28.04 | 46.72 | 18.68 | Brxx | | | | Br-Or mod chl alt gneiss with oxidized Fx-surfaces. Varying degrees of Fx. Small Brxx zone with Qz frags in a fec metrix zone of weakness. Fol:75 deg. | | | | | | | | | | | | | | | 44.20 | 45.72 | 1.52 | 1.40 | 91.5 | 0.92 | 60.53 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 45.72 | 48.16 | 2.44 | 2.05 | 84.02 | 1.30 | 53.28 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 48.16 | 50.60 | 2.44 | 1.91 | 78.28 | 0.86 | 35.25 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 50.60 | 52.43 | 1.83 | 1.34 | 73.22 | 0.60 | 32.79 | | | | | | | |

**PROPERTY:** CN **HOLE:** CN-07-03

| Struct. | | LITHOLOGY | | | | | | | | ALT. | | | MINERALS | | | | SAMPLES | | | | | | | Blocks | | | GEOTECHNICAL | | | | | | JOINTS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | REC | | RQD | | | | | | | | | |
| Type | Attitude | From (m) | To (m) | Interval (m) | Type | Unit | Texture | Modifier | Notes: | | | | | | | | From (m) | To (m) | Interval (m) | Sample | | | | From (m) | To (m) | Intvl. (m) | (m) | Percent | (m) | Percent | Weathering | Hardness | Frequency | Attitude | Shape | Roughness | Infilling | |
| | | | | | | | | | | | | | | | | | | | | | | | | 52.43 | 54.86 | 2.43 | 2.06 | 84.77 | 1.25 | 51.44 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 54.86 | 57.91 | 3.05 | 2.60 | 85.25 | 1.78 | 58.36 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 57.91 | 60.05 | 2.14 | 1.69 | 78.97 | 1.04 | 48.6 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 60.05 | 60.96 | 0.91 | 0.62 | 68.13 | 0.10 | 10.99 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 60.96 | 62.79 | 1.83 | 1.20 | 65.57 | 0.11 | 6.01 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 62.79 | 64.01 | 1.22 | 0.81 | 66.39 | 0.12 | 9.84 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 64.01 | 65.53 | 1.52 | 0.83 | 54.61 | 0.00 | 0 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 65.53 | 66.45 | 0.92 | 0.58 | 63.04 | 0.11 | 11.96 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 66.45 | 67.97 | 1.52 | 0.88 | 57.89 | 0.10 | 6.58 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 67.97 | 70.10 | 2.13 | 1.77 | 83.1 | 0.33 | 15.49 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 70.10 | 72.54 | 2.44 | 2.06 | 84.43 | 1.36 | 55.74 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 72.54 | 74.37 | 1.83 | 1.31 | 71.58 | 0.64 | 34.97 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 74.37 | 76.20 | 1.83 | 1.23 | 67.21 | 0.46 | 25.14 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 76.20 | 78.02 | 1.82 | 1.17 | 64.29 | 0.22 | 12.09 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 78.02 | 79.86 | 0.84 | 1.24 | 67.39 | 0.00 | 0 | | | | | | | |
| | | 47 | 60.19 | 13.19 | Gneiss | | | | Mod oxidized gneiss with Sb+Sc on fx surfaces. Fec lined Fx's too. Minor Py mzn. | | | | | | | | | | | | | | | 79.86 | 81.38 | 1.52 | 1.04 | 68.42 | 0.25 | 16.45 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 81.38 | 83.82 | 2.44 | 1.84 | 75.41 | 0.84 | 34.43 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 83.82 | 84.12 | 0.30 | 0.15 | 50 | 0.00 | 0 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | EOH | | | | | | | | | | | | | |
| | | 60.19 | 62.09 | 1.9 | Vein | | | | MAIN VEIN/ALTN ZONE very qz rich highlt fxed with comb textured cerrusite Sb and Sc, dark GY SX with in Qz with rare AS blebs. Highly Fxed. | | | | | | | | 60.19 | 62.08 | 1.89 | C491194 | | | | | | | | | | | | | | | | | | |
| | | 62.09 | 64.01 | 1.92 | Clay Brxx | | | | VERY TN clay rich rock with qz eyes, Sb and Sc staining. Brexx-crete. | | | | | | | | 62.08 | 64.01 | 1.93 | C491195 | | | | | | | | | | | | | | | | | | |
| | | 64.01 | 71.17 | 7.16 | Fec Ble Aug Schist | | | | very highly fec alt Qz augen schist with zones of Sc-Sb-fec brecciation or cementing of Qz. Mod amts of rubble. | | | | | | | | 64.01 | 66.85 | 2.84 | C491196 | | | | | | | | | | | | | | | | | | |
| | | 71.17 | 72.54 | 1.37 | Bull Qz | | | | Sharp contact @ 60 deg to bull wt Qz VN with OR FX surfaces | | | | | | | | 71.17 | 72.54 | 1.37 | C491197 | | | | | | | | | | | | | | | | | | |
| | | 72.54 | 76.05 | 3.51 | Qz BRXX GNEISS | | | | Zone of weakly Sc alt Qz brxx0 augen gneiss? Minor rusty surfs. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 76.05 | 77.02 | 0.97 | QZ BRXX | | | | Qz Brxx with Sb+ Sc. Minor dark GY sx with in Qz. | | | | | | | | 76.05 | 77.02 | 0.97 | C491198 | | | | | | | | | | | | | | | | | | |
| | | 77.02 | 79.05 | 2.03 | | | | | Blocky qx rich flood area with earthy BR altn. No mzn. | | | | | | | | 77.02 | 79.05 | 2.03 | C491199 | | | | | | | | | | | | | | | | | | |
| | | 79.05 | 79.85 | 0.8 | VN ZONE | | | | Minor Qz vein zone again slight BRXX'n, ample Sb-Sc alt. Extremely rubble + gouge rich. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**PROPERTY:** CN **HOLE:** CN-07-03

| LITHOLOGY | | | | | | | | | | ALT. | | | MINERALS | | | | SAMPLES | | | | | | | Blocks | | | GEOTECHNICAL | | | | | | JOINTS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Struct. | | | | | | | | | | | | | | | | | | | | | | | | | | | REC | | RQD | | | | | | | | | |
| Type | Attitude | From (m) | To (m) | Interval (m) | Type | Unit | Texture | Modifier | Notes: | | | | | | | | From (m) | To (m) | Interval (m) | Sample | | | | From (m) | To (m) | Intvl. (m) | (m) | Percent | (m) | Percent | Weathering | Hardness | Frequency | Attitude | Shape | Roughness | Infilling | | |
| | | 79.85 | 84.12 | 4.27 | Schist | | | | Mod cly alt Qz augen schist. Relict fol @ 45 deg. Yw altn of Qz and fec altn ( oxid) on fx surfaces. | | | | | | | | 79.05 | 79.85 | 0.80 | C491200 | | | | | | | | | | | | | | | | | | | | |
| | | 84.12 | | | | | | | END OF HOLE! | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**PROPERTY:** CN **HOLE:** CN-07-04

| Struct. Type | Struct. Attitude | LITHOLOGY From (m) | To (m) | Interval (m) | Type | Unit | Texture | Modifier | Notes: | ALT. | | | MINERALS | | | | SAMPLES From (m) | To (m) | Interval (m) | Sample | | | | Blocks From (m) | To (m) | Intvl. (m) | GEOTECHNICAL REC (m) | REC Percent | RQD (m) | RQD Percent | Weathering | Hardness | JOINTS Frequency | Attitude | Shape | Roughness | Infilling |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 7 | 7 | Rubble | | | | Extremly rubble rich area. Pieces of cly alt Gneiss. BR oxid on FX surfaces. | | | | | | | | | | | | | | | 3.05 | 4.88 | 1.83 | 0.29 | 15.85 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 4.88 | 6.40 | 1.52 | 0.20 | 13.16 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 6.40 | 7.92 | 1.52 | 1.19 | 78.29 | 0.37 | 24.34 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 7.92 | 9.14 | 1.22 | 1.11 | 90.98 | 0.51 | 41.8 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 9.14 | 10.36 | 1.22 | 0.81 | 66.39 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 10.36 | 11.28 | 0.92 | 0.88 | 95.65 | 0.11 | 11.96 | | | | | | | | |
| | | 7 | 15.02 | 8.02 | Gneiss | | | | Mod cly alt Bi Gneiss with flattened Qz eyes? Minor sc along some fol- 80 deg. Rare 3cm sucrosic qz floods un mzd. | | | | | | | | | | | | | | | | 11.28 | 12.80 | 1.52 | 1.21 | 79.61 | 0.77 | 50.66 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 12.80 | 13.72 | 0.92 | 0.47 | 51.09 | 0.19 | 20.65 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 13.72 | 15.24 | 1.52 | 1.30 | 85.53 | 0.33 | 21.71 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 15.24 | 18.29 | 3.05 | 2.57 | 84.26 | 1.71 | 56.07 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 18.29 | 18.90 | 0.61 | 0.49 | 80.33 | 0.10 | 16.39 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 18.90 | 20.42 | 1.52 | 1.25 | 82.24 | 0.37 | 24.34 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 20.42 | 21.34 | 0.92 | 0.84 | 91.31 | 0.61 | 66.3 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 21.34 | 22.25 | 0.91 | 0.71 | 78.02 | 0.13 | 14.29 | | | | | | | | |
| | | 15.02 | 15.54 | 0.52 | Diorite Plug | | | | Mod oxidized, clay alt fine to med grained diorite plug. Lower contact @ 40 deg - 1cm well formed Py-Xt zone ? | | | | | | | | | | | | | | | 22.25 | 24.08 | 1.83 | 1.44 | 78.69 | 0.20 | 10.93 | | | | | | | | |
| | | 15.54 | 18.37 | 2.83 | Gneiss | | | | Gniess consistant with prev description. Broken lower contact. S | | | | | | | | | | | | | | | 24.08 | 27.13 | 3.05 | 2.40 | 78.69 | 1.45 | 47.54 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 27.13 | 28.65 | 1.52 | 1.42 | 93.42 | 0.76 | 50 | | | | | | | | |
| | | 18.37 | 21.41 | 3.04 | Dior | | | | oxidized fg diorite with OR cly altns | | | | | | | | | | | | | | | 28.65 | 30.48 | 1.83 | 1.74 | 95.08 | 1.41 | 77.05 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 30.48 | 31.70 | 1.22 | 0.92 | 75.4 | 0.33 | 27.05 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 31.70 | 33.22 | 1.52 | 1.26 | 82.89 | 0.21 | 13.82 | | | | | | | | |
| | | 21.41 | 22.69 | 1.28 | Gneiss | | | | Well for foliated Bi gneiss. FRESH | | | | | | | | | | | | | | | 33.22 | 35.97 | 2.75 | 2.34 | 85.09 | 1.62 | 58.91 | | | | | | | | |
| | | 22.69 | 27.1 | 4.41 | Fresh Dior | | | | Fresh fine-medium grained dior very minor or altn on fx surfaces. | | | | | | | | | | | | | | | 35.97 | 37.80 | 1.83 | 1.42 | 77.5 | 0.95 | 51.91 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 37.80 | 39.62 | 1.82 | 1.41 | 77.47 | 0.54 | 29.67 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 39.62 | 41.45 | 1.83 | 1.60 | 87.43 | 0.89 | 48.63 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 41.45 | 42.98 | 1.53 | 1.53 | 100 | 0.99 | 64.71 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 42.98 | 44.20 | 1.22 | 1.01 | 82.79 | 0.33 | 27.05 | | | | | | | | |
| | | 27.1 | 27.42 | 0.32 | oxid alt plug | | | | could be zon of very OR-BR chalcy -oxidized DIOR- large void on 1/2 or core?? | | | | | | | | | | | | | | | 44.20 | 45.42 | 1.22 | 0.90 | 73.77 | 0.11 | 9.02 | | | | | | | | |
| | | 27.42 | 31.98 | 4.56 | Fresh Dior | | | | fresh dorrite with rare very Fg mafic xenoliths up to 6cm. | | | | | | | | | | | | | | | 45.42 | 46.02 | 0.60 | 0.43 | 71.67 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 46.02 | 47.24 | 1.22 | 1.11 | 90.98 | 0.36 | 29.51 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 47.24 | 49.07 | 1.83 | 1.69 | 92.35 | 0.93 | 50.82 | | | | | | | | |
| | | 31.98 | 32.97 | 0.99 | Fresh Dior | | | | very chl alt augen schist - m-n-fx-ed and rubble rich. | | | | | | | | | | | | | | | 49.07 | 50.29 | 1.22 | 1.22 | 100 | 0.81 | 66.39 | | | | | | | | |
| | | 32.97 | 38.12 | 5.15 | Fresh Dior | | | | fresh dio with weakly diss Py and [ ];s of Py along parallel 45 deg fx's. Have ~1cm thick OR altn halo. | | | | | | | | | | | | | | | 50.29 | 51.51 | 1.22 | 1.08 | 88.52 | 0.20 | 16.39 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 51.51 | 52.73 | 1.22 | 0.75 | 61.48 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 52.73 | 53.64 | 0.91 | 0.74 | 81.32 | 0.12 | 13.19 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 53.64 | 53.95 | 0.31 | 0.30 | 96.77 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 53.95 | 55.17 | 1.22 | 0.92 | 75.41 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 55.17 | 55.78 | 0.61 | 0.41 | 67.23 | 0.00 | 0 | | | | | | | | |
| | | 38.12 | 41.6 | 3.48 | Gneiss | | | | Mafic bi-rich gneiss- fresh. Rare bull qz flood @ ~87deg for 2cm. Lower contact 50 deg. | | | | | | | | | | | | | | | 55.78 | 56.69 | 0.91 | 0.70 | 76.92 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 56.69 | 57.91 | 1.22 | 1.02 | 83.61 | 0.32 | 26.23 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 57.91 | 60.05 | 2.14 | 1.80 | 84.11 | 0.97 | 45.33 | | | | | | | | |
| | | 41.6 | 47.93 | 6.33 | Fresh Dio | | | | Dior- xenoliths of very mafic ultra fg intrusive up to 30cm with contact <70deg. Small zones with Fec oxidation- dominant in areas of higher FX's. | | | | | | | | | | | | | | | 60.05 | 60.96 | 0.91 | 0.73 | 80.22 | 0.34 | 37.36 | | | | | | | | |

**PROPERTY:** CN **HOLE:** CN-07-04

| LITHOLOGY | | | | | | | | | | ALT. | | | MINERALS | | | | SAMPLES | | | | | | | Blocks | | | GEOTECHNICAL | | | | | | JOINTS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Struct. | | | | | | | | | | | | | | | | | | | | | | | | | | | REC | | RQD | | | | | | | | | |
| Type | Attitude | From (m) | To (m) | Interval (m) | Type | Unit | Texture | Modfier | Notes: | | | | | | | | From (m) | To (m) | Interval (m) | Sample | | | | From (m) | To (m) | Intvl. (m) | (m) | Percent | (m) | Percent | Weathering | Hardness | Frequency | Attitude | Shape | Roughness | Infilling | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 60.96 | 63.70 | 2.74 | 2.09 | 76.27 | 0.80 | 29.2 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 63.70 | 64.92 | 1.22 | 1.13 | 92.62 | 0.56 | 45.9 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 64.92 | 66.14 | 1.22 | 1.02 | 83.61 | 0.20 | 16.39 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 66.14 | 67.36 | 1.22 | 1.07 | 87.7 | 0.64 | 52.46 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 67.36 | 69.49 | 2.13 | 1.80 | 84.51 | 0.48 | 22.54 | | | | | | | | |
| | | 47.93 | 50.28 | 2.35 | Mafic Intr. | | | | Very mafic and v.Fg intrusive. W-mod diss py rare boudnage ~parallel to c-axis. | | | | | | | | | | | | | | | 69.49 | 70.41 | 0.92 | 0.90 | 97.83 | 0.37 | 40.22 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 70.41 | 71.32 | 0.91 | 0.50 | 54.95 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 71.32 | 71.93 | 0.61 | 0.41 | 67.21 | 0.00 | 0 | | | | | | | | |
| | | 50.28 | 53.32 | 3.04 | Dior | | | | Fg FRESH Dio, more Fxed than other Dio units. | | | | | | | | | | | | | | | 71.93 | 72.24 | 0.31 | 0.25 | 80.65 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 72.24 | 73.15 | 0.91 | 0.61 | 67.03 | 0.22 | 24.18 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 73.15 | 76.20 | 3.05 | 2.51 | 82.3 | 0.99 | 32.46 | | | | | | | | |
| | | 53.32 | 70.61 | 17.29 | Gneiss | | | | Broken, cly alt gneiss fol @ 50 deg. @ ~60m dark BL-GY metallic sheen on some FX surfaces. | | | | | | | | | | | | | | | 76.20 | 76.50 | 0.30 | 0.20 | 66.67 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 76.50 | 77.72 | 1.22 | 0.71 | 58.2 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 77.72 | 78.94 | 1.22 | 0.99 | 81.15 | 0.36 | 29.51 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 78.94 | 80.77 | 1.83 | 1.38 | 75.41 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 80.77 | 83.21 | 2.44 | 2.02 | 82.79 | 0.85 | 34.84 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 83.21 | 84.73 | 1.52 | 1.26 | 82.89 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 84.73 | 86.56 | 1.83 | 1.48 | 80.87 | 0.21 | 11.48 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 86.56 | 88.39 | 1.83 | 1.51 | 82.51 | 0.35 | 19.13 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 88.39 | 89.31 | 0.92 | 0.80 | 86.96 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 89.31 | 89.92 | 0.61 | 0.33 | 54.1 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | 63.20-63.75 ALT FG dio dyke. Fol by end of intercal v.shallow ~ 30deg to c-axis. | | | | | | | | | | | | | | | 89.92 | 91.44 | 1.52 | 1.17 | 76.97 | 0.44 | 28.95 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 70.61 | 72.95 | 2.34 | Gaugue | | | | TN-BR gauge zo with minr qz frags. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 72.95 | 73.55 | 0.6 | Vn Zone | | | | Minor VN zone- ble Qz VN with Sb-Sc alt minor Gn and Dark Gy Sx ?) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 73.55 | 76.3 | 2.75 | | | | | Transitional rock- qz rich flood with monor BRXX'n plus xenoliths of oxid diorite (10cm) end is v.rubble rich. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 76.3 | 76.5 | 0.2 | Rubble | | | | extreme rubble zone | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 76.5 | 83.21 | 6.71 | Dior | | | | BR-OR-alt Diorite with moderate FX's and oxidation. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 83.21 | 84.73 | 1.52 | Rubble | | | | Highly oxidized rubble abundant BR-OR alt. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 84.73 | 85.72 | 0.99 | Ble Augen Schist | | | | Chl alt Ble Qz augen schist. Minor OR fec altn on Fx surfaces. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 85.72 | 85.79 | 0.07 | Qz Vn | | | | small Qz VN with t Gn, Py minor Sc + Sb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 85.79 | 87.91 | 2.12 | Ble Augen Schist | | | | chl LR Ble Qz augen schist with fol @ 50 dec. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**PROPERTY:** CN **HOLE:** CN-07-04

| Struct. | | LITHOLOGY | | | | | | | | ALT. | | | MINERALS | | | | SAMPLES | | | | | | | Blocks | | | GEOTECHNICAL | | | | | | JOINTS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | REC | | RQD | | | | | | | | | |
| Type | Attitude | From (m) | To (m) | Interval (m) | Type | Unit | Texture | Modfier | Notes: | | | | | | | | From (m) | To (m) | Interval (m) | Sample | | | | From (m) | To (m) | Intvl. (m) | (m) | Percent | (m) | Percent | Weathering | Hardness | Frequency | Attitude | Shape | Roughness | Infilling | |
| | | 87.91 | 89.87 | 1.96 | Rubble | | | | Rubble zone extremely BR rubble and soil (?) HIGHLY oxidized! | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 89.87 | 91.44 | 1.57 | | | | | extremely oxidized but compotent diorite- t Py mzn. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 91.44 | | | | | | | END OF HOLE! | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**PROPERTY:** CN **HOLE:** CN-07-05

| Struct. Type | Struct. Attitude | LITHOLOGY From (m) | To (m) | Interval (m) | Type | Unit | Texture | Modifier | Notes: | ALT. | | | MINERALS | | | SAMPLES From (m) | To (m) | Interval (m) | Sample | | | | Blocks From (m) | To (m) | Intvl. (m) | GEOTECHNICAL REC (m) | REC Percent | RQD (m) | RQD Percent | Weathering | Hardness | JOINTS Frequency | Attitude | Shape | Roughness | Infilling |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 4.9 | 4.9 | Rubble | | | | Extremely broken- oxidized schist | | | | | | | | | | | | | | 3.05 | 4.88 | 1.83 | 0.91 | 49.83 | 0.00 | 0 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 4.88 | 6.10 | 1.22 | 0.64 | 52.46 | 0.00 | 0 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 6.10 | 7.62 | 1.52 | 1.45 | 95.39 | 0.25 | 16.45 | | | | | | | |
| | | 4.9 | 11.28 | 6.38 | Gneiss | | | | TN-BR wrakly foliated bl gneiss with rare <1cm Qz fods, abundant Fx's. Fol@ 25 deg. | | | | | | | | | | | | | | 7.62 | 8.84 | 1.22 | 0.65 | 53.28 | 0.17 | 13.93 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 8.84 | 11.28 | 2.44 | 1.14 | 46.72 | 0.00 | 0 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 11.28 | 13.11 | 1.83 | 1.16 | 63.39 | 0.24 | 13.11 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 13.11 | 14.94 | 1.83 | 1.29 | 70.49 | 0.00 | 0 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 14.94 | 17.07 | 2.13 | 1.76 | 82.63 | 1.03 | 48.36 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 17.07 | 18.29 | 1.22 | 0.75 | 61.48 | 0.00 | 0 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 18.29 | 20.42 | 2.13 | 1.61 | 75.59 | 1.08 | 50.7 | | | | | | | |
| | | 11.28 | 14.33 | 3.05 | Alt Qz | | | | Very oxidized, weak fec-scorodite cemented rock. Qz dom rock in zone. Rubble | | | | | | | | | | | | | | 20.42 | 21.64 | 1.22 | 0.97 | 79.51 | 0.00 | 0 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 21.64 | 23.77 | 2.13 | 1.69 | 74.34 | 0.74 | 34.74 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 23.77 | 24.69 | 0.92 | 0.46 | 50 | 0.00 | 0 | | | | | | | |
| | | 14.33 | 15.02 | 0.69 | Bull Qz | | | | Bull WH Qz VN with no mzn and weak alt. | | | | | | | | | | | | | | 24.69 | 25.60 | 0.91 | 0.66 | 72.53 | 0.20 | 21.98 | | | | | | | |
| | | 15.02 | 17.28 | 2.26 | Alt Qz | | | | same unit as prev. weakly cemented with minor scorodite. Appears 'rough'. | | | | | | | | | | | | | | 25.60 | 27.43 | 1.83 | 1.50 | 81.97 | 0.93 | 50.82 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 27.43 | 28.96 | 1.53 | 1.39 | 92.67 | 1.03 | 67.32 | | | | | | | |
| | | 17.28 | 21.21 | 3.93 | BLE Gneiss | | | | VERY bleached gneiss with very weak relict fol @ 30dg. Abundant OR-stn. Fx but no mzn. | | | | | | | | | | | | | | 28.96 | 30.48 | 1.52 | 1.02 | 67.11 | 0.00 | 0 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 30.48 | 31.09 | 0.61 | 0.60 | 98.36 | 0.35 | 57.38 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 31.09 | 33.53 | 2.44 | 2.12 | 86.89 | 1.85 | 75.82 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 33.53 | 36.27 | 2.74 | 2.40 | 87.59 | 1.62 | 59.12 | | | | | | | |
| | | 21.21 | 32.75 | 11.54 | Gneiss | | | | TN-OR fec alt, oxidized Gneiss. No mafics. Abundant hairline STN fx's with OR lining. Relict fol @ 40 deg. CONTACT SHARP @ 70deg. | | | | | | | | | | | | | | 36.27 | 38.40 | 2.13 | 1.67 | 78.4 | 1.09 | 51.17 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 38.40 | 41.15 | 2.75 | 2.53 | 92 | 1.59 | 57.82 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 41.15 | 42.67 | 1.52 | 0.97 | 63.82 | 0.37 | 24.34 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 42.67 | 44.20 | 1.53 | 1.35 | 88.24 | 0.59 | 38.56 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 44.20 | 45.42 | 1.22 | 1.08 | 88.52 | 0.32 | 26.23 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 45.42 | 46.33 | 0.91 | 0.72 | 79.12 | 0.10 | 10.99 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 46.33 | 47.85 | 1.52 | 1.41 | 92.76 | 0.70 | 46.05 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 47.85 | 49.99 | 2.14 | 1.87 | 87.38 | 1.44 | 67.29 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 49.99 | 51.82 | 1.83 | 1.50 | 81.97 | 0.17 | 9.29 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | EOH | | | | | | | | | | | | | |
| | | 32.75 | 37.51 | 4.76 | | | | | Very Qz rich Sc-Sb rich HIGHLY silicified and multi-episodal Qz flooded ( gneiss protolith) | | | | | | | 32.75 | 34.05 | 1.30 | C491557 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | 34.05-34.11 VEIN small piece of very Sc-Sb alt vein with anglesite+ weathered sure poss-curussite? | | | | | | | 34.05 | 34.11 | 0.06 | C491558 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | 34.11 | 37.51 | 3.40 | C491559 | | | | | | | | | | | | | | |
| | | 37.51 | 37.58 | 0.07 | MX Cerussite | | | | massive cerussite nugget. VEIN! Broken upper and colwe contact. | | | | | | | 37.51 | 37.58 | 0.07 | C491560 | | | | | | | | | | | | | | | | | | |
| | | 37.51 | 47.8 | 10.29 | PPY | | | | Porphyry. Pale PK-TN matrix with med grained dark Gy chl alt Hb+Bi XT with irredescent red(?) mineral OR Fx lining. OXIDIZED! | | | | | | | 37.58 | 39.78 | 2.20 | C491561 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | At 44.30 more cly altn of feldspars to 47.80m. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**PROPERTY:** CN **HOLE:** CN-07-05

| Struct. | | LITHOLOGY | | | | | | | | ALT. | | | MINERALS | | | | SAMPLES | | | | | | | Blocks | | | GEOTECHNICAL | | | | | | JOINTS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | REC | | RQD | | | | | | | | | |
| Type | Attitude | From (m) | To (m) | Interval (m) | Type | Unit | Texture | Modifier | Notes: | | | | | | | | From (m) | To (m) | Interval (m) | Sample | | | | From (m) | To (m) | Intvl. (m) | (m) | Percent | (m) | Percent | Weathering | Hardness | Frequency | Attitude | Shape | Roughness | Infilling | |
| | | 47.8 | 51.82 | 4.02 | | | | | weakly oxidized gneiss with fol @ 45 deg. Weak OR-lied Fx's. Rare dark bands of very Bi rich gneiss with same orientation as flesic 2 bands ~20cm thick | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 51.82 | | | | | | | END OF HOLE! | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**PROPERTY:** CN **HOLE:** CN-07-06

| LITHOLOGY | | | | | | | | | | ALT. | | | MINERALS | | | | SAMPLES | | | | | | | Blocks | | | GEOTECHNICAL | | | | | | JOINTS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Struct. | | | | | | | | | | | | | | | | | | | | | | | | | | | REC | | RQD | | | | | | | | | |
| Type | Attitude | From (m) | To (m) | Interval (m) | Type | Unit | Texture | Modfier | Notes: | | | | | | | | From (m) | To (m) | Interval (m) | Sample | | | | From (m) | To (m) | Intvl. (m) | (m) | Percent | (m) | Percent | Weathering | Hardness | Frequency | Attitude | Shape | Roughness | Infilling |
| | | 0 | 3.95 | 3.95 | Rubble | | | | oxidized rubble. | | | | | | | | | | | | | | | 3.05 | 4.57 | 1.52 | 0.74 | 48.68 | 0.10 | 6.58 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 4.57 | 5.18 | 0.61 | 0.44 | 72.13 | 0.20 | 32.79 | | | | | | | | |
| | | 3.95 | 13.05 | 9.1 | Gneiss | | | | Siliceous, Tn-Br gneiss with Bi bands. Fol @ 40 deg. @ 12m rubble zone for 10cm. | | | | | | | | | | | | | | | 5.18 | 6.10 | 0.92 | 0.35 | 38.04 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 6.10 | 7.32 | 1.22 | 1.06 | 86.89 | 0.42 | 34.43 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 7.32 | 9.45 | 2.13 | 1.93 | 90.61 | 1.43 | 67.14 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 9.45 | 10.36 | 0.91 | 0.56 | 61.54 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 10.36 | 11.28 | 0.92 | 0.57 | 61.96 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 11.28 | 12.19 | 0.91 | 0.68 | 74.73 | 0.20 | 21.98 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 12.19 | 14.02 | 1.83 | 1.49 | 81.42 | 0.39 | 21.31 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 14.02 | 15.24 | 1.22 | 0.86 | 70.49 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 15.24 | 16.76 | 1.52 | 1.22 | 80.26 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 16.76 | 17.37 | 0.61 | 0.41 | 67.21 | 0.11 | 18.03 | | | | | | | | |
| | | 13.05 | 16.34 | 3.29 | BRXX crackle | | | | altered (fec) weakly cemented (sc?) silica rich rock. Brxx-crete | | | | | | | | | | | | | | | 17.37 | 18.29 | 0.92 | 0.70 | 76.09 | 0.27 | 29.35 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 18.29 | 19.20 | 0.91 | 0.51 | 56.04 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 19.20 | 20.42 | 1.22 | 0.96 | 78.69 | 0.83 | 68.03 | | | | | | | | |
| | | 16.34 | 19.08 | 2.74 | Qz flood | | | | Sc-rich dull GY Qz flood with abundant fec and crackle. Last 20 cm is very broken. | | | | | | | | | | | | | | | 20.42 | 21.33 | 0.91 | 0.48 | 52.75 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 21.33 | 22.56 | 1.23 | 0.78 | 63.41 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 22.56 | 24.38 | 1.82 | 1.41 | 77.47 | 0.37 | 20.33 | | | | | | | | |
| | | 19.08 | 20.74 | 1.66 | BRXX-crackly | | | | very oxidized crackly BRXX | | | | | | | | | | | | | | | 24.38 | 26.82 | 2.44 | 1.75 | 71.72 | 0.90 | 36.89 | | | | | | | | |
| | | 20.74 | 24.41 | 3.67 | Ble Gneiss | | | | oxidized and bleached fec alt gneiss wth fol @ 40 deg. | | | | | | | | | | | | | | | 26.82 | 29.26 | 2.44 | 2.11 | 86.48 | 2.04 | 83.61 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 29.26 | 29.87 | 0.61 | 0.35 | 57.38 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 29.87 | 30.48 | 0.61 | 0.32 | 52.46 | 0.00 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 30.48 | 31.70 | 1.22 | 0.91 | 74.59 | 0.60 | 49.18 | | | | | | | | |
| | | 24.41 | 32.89 | 8.48 | Mafic-Bi Gneiss | | | | start is v.broen. Mafic very Bi rich gneiss with nice fol @ 35deg. Minor qz-carbonate VTs x-cut fol. | | | | | | | | | | | | | | | 31.70 | 32.92 | 1.22 | 0.86 | 70.49 | 0.21 | 17.21 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 32.92 | 34.44 | 1.52 | 1.09 | 71.71 | 0.20 | 13.15 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 34.44 | 36.58 | 2.14 | 1.70 | 79.44 | 0.46 | 21.5 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 36.58 | 39.62 | 3.04 | 2.45 | 80.59 | 1.57 | 51.64 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 39.62 | 42.06 | 2.44 | 1.99 | 81.57 | 0.79 | 32.38 | | | | | | | | |
| | | | | | | | | | 29.87-30cm RUBBLE | | | | | | | | | | | | | | | 42.06 | 45.11 | 3.05 | 2.58 | 84.59 | 1.55 | 50.82 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 45.11 | 47.24 | 2.13 | 1.78 | 83.57 | 0.85 | 39.91 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 47.24 | 49.38 | 2.14 | 1.85 | 86.45 | 1.28 | 59.81 | | | | | | | | |
| | | 32.81 | 39.3 | 6.49 | Gneiss | | | | Very silica rich qz-flooded gneiss. Relict fol@ 40 deg. Oxidized- v.orange. Fec alt. | | | | | | | | | | | | | | | 49.38 | 51.82 | 2.44 | 1.85 | 75.82 | 1.42 | 58.2 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 51.82 | 53.04 | 1.22 | 1.03 | 84.43 | 0.93 | 76.23 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 53.04 | 54.86 | 1.82 | 1.82 | 100 | 1.53 | 84.07 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 54.86 | 56.69 | 1.83 | 1.50 | 81.97 | 0.78 | 42.62 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 56.69 | 57.91 | 1.22 | 1.10 | 90.16 | 0.73 | 59.84 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 57.91 | 59.44 | 1.53 | 1.27 | 83.01 | 0.63 | 41.18 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 59.44 | 60.35 | 0.91 | 0.73 | 80.22 | 0.00 | 0 | | | | | | | | |
| | | 39.3 | 45.81 | 6.51 | Gneiss | | | | Pale GR-GY silica rich gneiss. Zones with slight brxx'n, poss sc altn. Fec coatingon Fx surfs. Relict fol. 4cm gougy-but competent block directly adj to PPY below. | | | | | | | | | | | | | | | 60.35 | 63.40 | 3.05 | 2.60 | 85.25 | 1.64 | 53.77 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 63.40 | 64.01 | 0.61 | 0.58 | 95.09 | 0.55 | 90.16 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | EOH | | | | | | | | | | | | | | |

**PROPERTY:** CN **HOLE:** CN-07-06

| LITHOLOGY | | | | | | | | | | ALT. | | | MINERALS | | | | SAMPLES | | | | | | | Blocks | | | GEOTECHNICAL | | | | | | JOINTS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Struct. | | | | | | | | | | | | | | | | | | | | | | | | | | | REC | | RQD | | | | | | | | |
| Type | Attitude | From (m) | To (m) | Interval (m) | Type | Unit | Texture | Modfier | Notes: | | | | | | | | From (m) | To (m) | Interval (m) | Sample | | | | From (m) | To (m) | Intvl. (m) | (m) | Percent | (m) | Percent | Weathering | Hardness | Frequency | Attitude | Shape | Roughness | Infilling |
| | | 45.81 | 62.5 | 16.69 | PPY | | | | Med-grained Fd+Bi+Hb PPY- clay alt Fd Mod oxidation- def. not fresh! Slight rimming on Fd. Fx surfaces have relatively thick Fec- OR coating with minor metallic- dark GY irredscent oxidation. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 62.5 | 64.01 | 1.51 | Sil Gneiss | | | | Highly silicified gness, minor fec Fx coating. 4cm bull Qz band @ 60 deg parallel to fol. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 64.01 | | | | | | | END OF HOLE! | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**PROPERTY:** CN **HOLE:** CN-07-07

| LITHOLOGY | | | | | | | | | | ALT. | | | MINERALS | | | | SAMPLES | | | | | | | Blocks | | | GEOTECHNICAL | | | | | | JOINTS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Struct. | | | | | | | | | | | | | | | | | | | | | | | | | | | REC | | RQD | | | | | | | | | |
| Type | Attitude | From (m) | To (m) | Interval (m) | Type | Unit | Texture | Modifier | Notes: | | | | | | | | From (m) | To (m) | Interval (m) | Sample | | | | From (m) | To (m) | Intvl. (m) | (m) | Percent | (m) | Percent | Weathering | Hardness | Frequency | Attitude | Shape | Roughness | Infilling |
| | | 0 | 5.18 | 5.18 | Rubble | | | | Very YW silica rich rubble. | | | | | | | | | | | | | | | 3.05 | 5.18 | 2.13 | 0.36 | 16.9 | 0.00 | 0 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 5.18 | 5.49 | 0.31 | 0.20 | 64.52 | 0.00 | 0 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 5.49 | 7.62 | 2.13 | 0.47 | 22.07 | 0.32 | 15.02 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 7.62 | 8.53 | 0.91 | 0.60 | 65.22 | 0.00 | 0 | | | | | | | |
| | | 5.18 | 10.05 | 4.87 | | | | | Heavily broken Qz -rich/ quartzite? Oxidized with OR surface. | | | | | | | | | | | | | | | 8.53 | 9.14 | 0.61 | 0.56 | 91.8 | 0.00 | 0 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 9.14 | 10.06 | 0.92 | 0.35 | 38.04 | 0.00 | 0 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 10.06 | 12.19 | 2.13 | 1.72 | 80.75 | 0.46 | 21.6 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 12.19 | 14.63 | 2.44 | 1.77 | 72.54 | 0.31 | 12.7 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 14.63 | 15.24 | 0.61 | 0.40 | 65.57 | 0.00 | 0 | | | | | | | |
| | | 10.05 | 11.83 | 1.78 | Crackle Brxx | | | | Qz rich crackle BRXX with fec-Sc+ Sb on Fx surfaces. | | | | | | | | | | | | | | | 15.24 | 16.76 | 1.52 | 1.07 | 70.39 | 0.00 | 0 | | | | | | | |
| | | 11.05 | 14.02 | 2.97 | SCH | | | | Very OR-fec alt sch with minor pale GR-YW Sc(?) | | | | | | | | | | | | | | | 16.76 | 17.68 | 0.92 | 0.51 | 55.43 | 0.00 | 0 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 17.68 | 18.90 | 1.22 | 0.86 | 70.49 | 0.00 | 0 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 18.90 | 20.42 | 1.52 | 1.15 | 75.66 | 0.13 | 8.55 | | | | | | | |
| | | 14.02 | 14.4 | 0.38 | Rubble Gouge | | | | zone with fault gauge? Very rubble rich. | | | | | | | | | | | | | | | 20.42 | 21.46 | 1.22 | 0.88 | 72.13 | 0.28 | 22.95 | | | | | | | |
| | | 14.4 | 17.68 | 3.28 | BLE SCH | | | | Ble sch with w-m Sc+Sb alt Fx's minor OR fec altn. Fol 40 deg. | | | | | | | | | | | | | | | 21.46 | 23.16 | 1.70 | 1.08 | 63.53 | 0.44 | 25.88 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 23.16 | 24.69 | 1.53 | 1.09 | 71.24 | 0.10 | 6.54 | | | | | | | |
| | | 17.68 | 20.61 | 2.93 | | | | | OXIDATION ZONE! Very highlt oxidized and broken mod ble gneiss. | | | | | | | | | | | | | | | 24.69 | 25.60 | 0.91 | 0.61 | 65.59 | 0.10 | 10.99 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 25.60 | 27.13 | 1.53 | 1.24 | 81.05 | 0.54 | 35.29 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 27.13 | 28.35 | 1.22 | 1.04 | 85.25 | 0.58 | 47.54 | | | | | | | |
| | | 20.61 | 25.6 | 4.99 | BLE Gneiss | | | | bleached gneiss with much less oxidation. Last 1.5m is very broken. | | | | | | | | | | | | | | | 28.35 | 30.48 | 2.13 | 1.81 | 84.98 | 1.12 | 52.58 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 30.48 | 32.31 | 1.83 | 1.53 | 83.61 | 0.54 | 29.54 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 32.31 | 34.14 | 1.83 | 1.61 | 87.98 | 0.22 | 12.02 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 34.14 | 35.66 | 1.52 | 1.32 | 86.84 | 0.67 | 44.08 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 35.66 | 38.71 | 3.05 | 2.51 | 82.3 | 1.64 | 53.77 | | | | | | | |
| | | 25.6 | 27.13 | 1.53 | GNEISS | | | | weakly cly alt, silica rich gneiss with Fec altn on Fx surfaces. 3cm zones of OR-YW pale GR gauge-remnant vein? | | | | | | | | | | | | | | | | 38.71 | 40.23 | 1.61 | 1.61 | 100 | 1.34 | 83.23 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | EOH | | | | | | | | | | | | | |
| | | 27.13 | 28.94 | 1.81 | Qz Flood | | | | Very siliceous pale Gy Qz floos with minor fec alt on some Fx surfaces. Very competent. Minor Py. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 28.94 | 30.14 | 1.2 | crackle GNEISS | | | | Highly infused with fec. Residual sch minor surface crackle texture. | | | | | | | | 28.94 | 30.14 | 1.20 | C491562 | | | | | | | | | | | | | | | | | | |
| | | 30.14 | 30.37 | 0.23 | VEIN | | | | 23cm qz vein zone with weak Sc, minor pale GY altn, Anglesite and cerussite both present still have a lot of weight for size. | | | | | Ang | Cer | | 30.14 | 30.37 | 0.23 | C491563 | | | | | | | | | | | | | | | | | | |
| | | 30.37 | 32.31 | 1.94 | crackly- gneiss | | | | fec alt, oxidized, ble Gneiss with crackly fec fx's. | | | | | | | | 30.37 | 32.31 | 1.94 | C491564 | | | | | | | | | | | | | | | | | | |
| | | 32.01 | 40.23 | 8.22 | Gneiss | | | | Oxidized, ble gneiss. Fol @ 40 deg, fec at FX surfaces, overall very competent, small rubble zone @ 34.00 for 17cm. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |