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

describing

## SOIL GEOCHEMICAL SAMPLING

at the

## LOOP PROPERTY

| | |
|---|---|
| Loop 1-24 | YD89955- YC89978 |
| Loop 25-50 | YD58719-YD58744 |

NTS 105G/09
Latitude 61°36´N; Longitude 131°13´W

in

Watson Lake Mining District
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

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

by

A. Mitchell, B.Sc.
and
S. Eaton, B.Sc., GIT

April 2011

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## INTRODUCTION

The Loop property covers an area of coincidently anomalous, gold and copper soil and rock geochemistry. The property lies on the northeastern side of the Finlayson Volcanogenic Massive Sulphide (VMS) District in southern Yukon. It is owned by Strategic Metals Ltd. and is under option to Wolverine Minerals Corp.

This report describes prospecting and geochemical sampling conducted by Archer, Cathro & Associates (1981) Limited on July 10, August 1 and August 2, 2010 on behalf of Strategic Metals. The authors summarized and interpreted the exploration results and their Statements of Qualifications are in Appendix I.

## PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Loop property consists of 50 contiguous mineral claims, which are located on NTS map sheets 105G/09 at latitude 61°36´ north and longitude 131°13´ west in southeastern Yukon (Figure 1). The property covers an area of approximately 1000 ha. The claims are registered in the Watson Lake Mining District in the name of Archer Cathro, which holds them in trust for Strategic Metals. Specifics concerning claim registration are tabulated below, while the locations of individual claims are shown on Figure 2.

| Claim Name | Grant Number | Expiry Date* |
|---|---|---|
| Loop 1-24 | YD89955- YC89978 | March 31, 2013 |
| Loop 25-50 | YD58719-YD58744 | March 31, 2013 |

*Expiry date includes 2010 work which has been filed for assessment credit but not yet accepted.

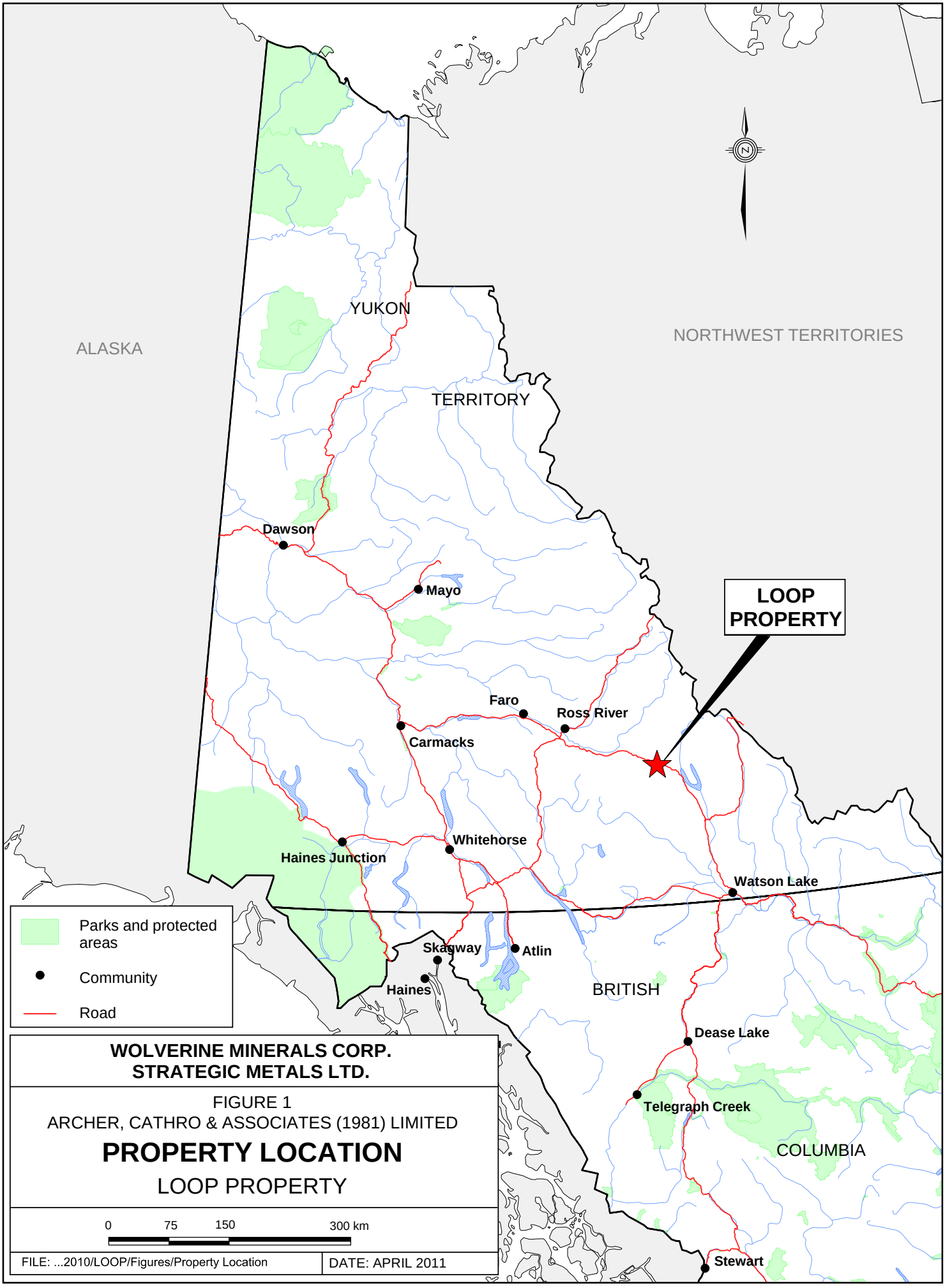
Daily access to and from the property was provided by a Hughes 500D helicopter operated by Kluane Airways from the Inconnu Fishing Lodge on McEvoy Lake, which is located 20 km north of the property.

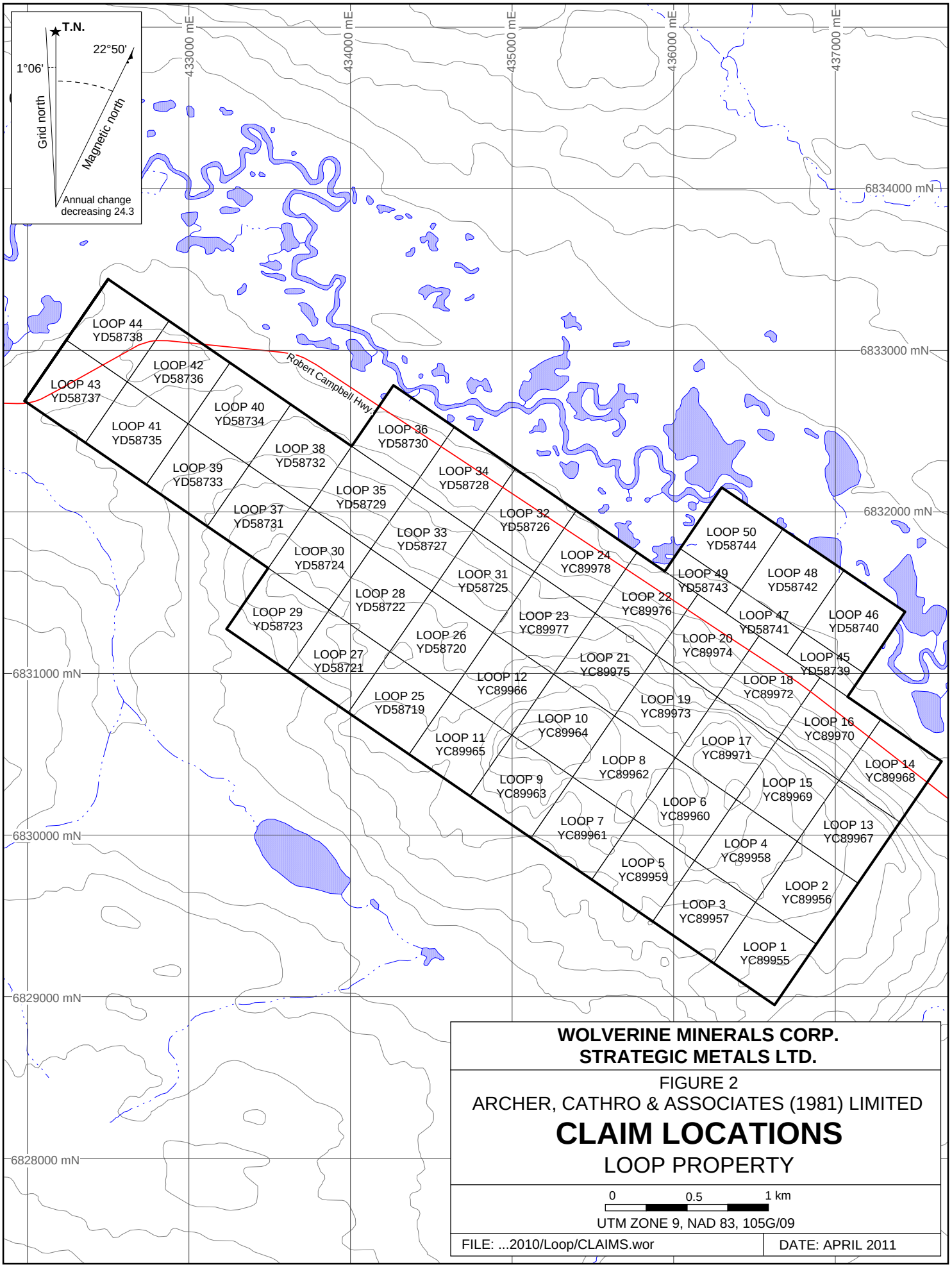
The Loop property lies about 120 km southeast of the community of Ross River, the nearest supply centre. The Robert Campbell Highway bisects the property and is usable in all seasons by two wheel drive vehicles. There is a system of partially overgrown roads and trails on the property.

## HISTORY AND PREVIOUS WORK

The first reported work on the Loop property consisted of extensive bulldozer trenching in the 1960s. No staking records related to that work have been found (Davidson, 1996).

In 1994, Davidson staked the Aley claims over an area described as the main zone. Work that year and in 1995 comprised a grid with 33 km of slashed lines, geological mapping and sampling, and VLF-EM and magnetometer surveys. Four samples of quartz-carbonate collected during that program yielded values ranging from 79 to 200 ppb gold (Davidson, 1996).


YUKON
TERRITORY
ALASKA
NORTHWEST TERRITORIES
BRITISH
COLUMBIA
Dawson
Mayo
Faro
Ross River
Carmacks
Whitehorse
Haines Junction
Watson Lake
Skagway
Atlin
Haines
Dease Lake
Telegraph Creek
Stewart
LOOP PROPERTY
Parks and protected areas
Community
Road
WOLVERINE MINERALS CORP.
STRATEGIC METALS LTD.
FIGURE 1
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
PROPERTY LOCATION
LOOP PROPERTY
0 75 150 300 km
FILE: ...2010/LOOP/Figures/Property Location
DATE: APRIL 2011




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

FIGURE 2

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

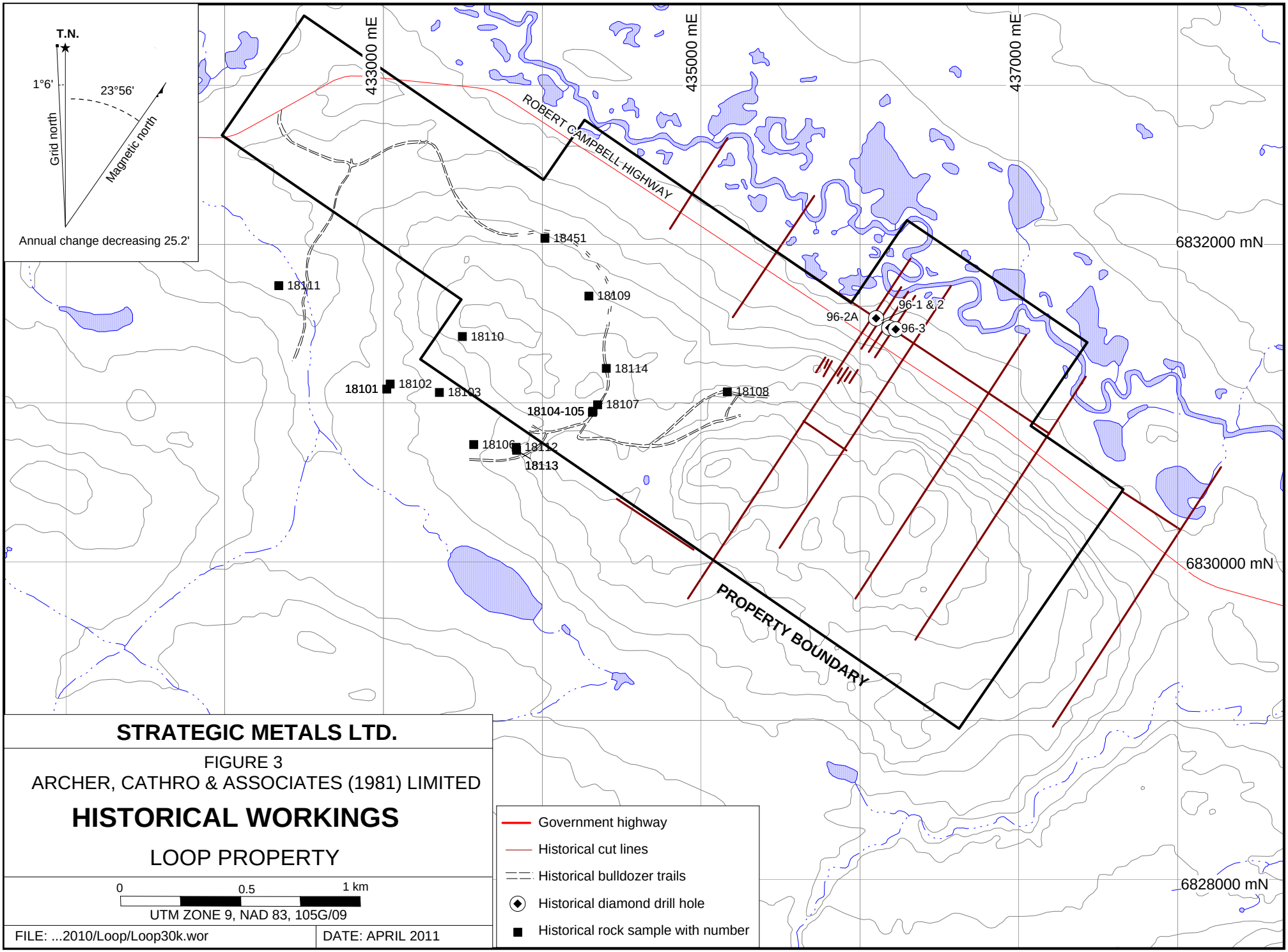
# CLAIM LOCATIONS

## LOOP PROPERTY

0 0.5 1 km

UTM ZONE 9, NAD 83, 105G/09

FILE: ...2010/Loop/CLAIMS.wor | DATE: APRIL 2011


T.N.
1°6'
23°56'
Grid north
Magnetic north
Annual change decreasing 25.2'
433000 mE
435000 mE
437000 mE
6832000 mN
6830000 mN
6828000 mN
ROBERT CAMPBELL HIGHWAY
PROPERTY BOUNDARY
18451
18111
18109
18110
18114
18101
18102
18103
18108
18104-105
18107
18106
18112
18113
96-2A
96-1 & 2
96-3
STRATEGIC METALS LTD.
FIGURE 3
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
HISTORICAL WORKINGS
LOOP PROPERTY
0
0.5
1 km
UTM ZONE 9, NAD 83, 105G/09
FILE: ...2010/Loop/Loop30k.wor
DATE: APRIL 2011
Government highway
Historical cut lines
Historical bulldozer trails
Historical diamond drill hole
Historical rock sample with number

In 1994, A. McMillan staked the Oop 1-12 claims adjoining the Aley claims and in 1995, he added the Oop 13-45 claims. Field work was completed on them by Gamah International Limited in September 1996. That work comprised linecutting, detailed VLF-EM and magnetometer surveys, geological mapping, soil and rock geochemical sampling, and diamond drilling in four holes. The drill holes yielded values of 96 and 65 ppb gold, both over 1.5 m intervals, from interbedded argillite and siliceous sediments (Arengi, 1996).

In 1995, Westmin Resources Ltd staked 8 Rope claims northwest of the Oop claims and northeast of the Aley claims (Yukon Geological Survey, 2004).

## GEOMORPHOLOGY

The Loop property is situated in the Campbell Range of the Pelly Mountains, about 15 km east of Finlayson Lake (Figure 3). The property is drained by creeks that flow into the Finlayson River, which ultimately connects to the Arctic Ocean via the Liard and Mackenzie rivers.

Local elevations on the property range from 900 to 1200 m above sea level. Topographic relief is gentle to moderate. The property lies entirely below treeline. Outcrop is rare and is generally limited to creek cuts. Vegetation comprises black spruce and alder with an understory of low shrubs, grass, and moss.

Typical terrain and vegetation at the Loop property

Much of the overburden in the region is associated with the most recent Cordilleran ice sheet, the McConnell glaciation which is thought to have covered south and central Yukon between 26,500 and 10,000 years ago (Yukon Geological Survey, 2010).

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

## REGIONAL GEOLOGY

The Loop property lies within the Finlayson Lake District, which has been the focus of numerous government and industry sponsored studies due to its VMS potential. The Geological Survey of Canada mapped the Finlayson Lake area (NTS map sheet 105G) twice at 1:250,000 scale (Wheeler *et al.*, 1960 and Tempelman-Kluit, 1977). In the late 1990s and early 2000s, the Yukon Geological Survey performed more detailed (1:50,000 scale) mapping in the area and in

2002, it completed a geological compilation and updated the lithological names (Bond *et al*., 2002). In 2003, Gordey and Makepeace incorporated this data into a Yukon-wide geological compilation. The following geological descriptions are based on the published data.

The Finlayson Lake VMS District is located within an outlier of Yukon-Tanana and Slide Mountain Terranes (Figure 4) and affiliated overlap assemblages (Murphy *et al.*, 2006), which is bounded by the Tintina Fault to the southwest and the Inconnu Thrust Fault to the northeast.

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

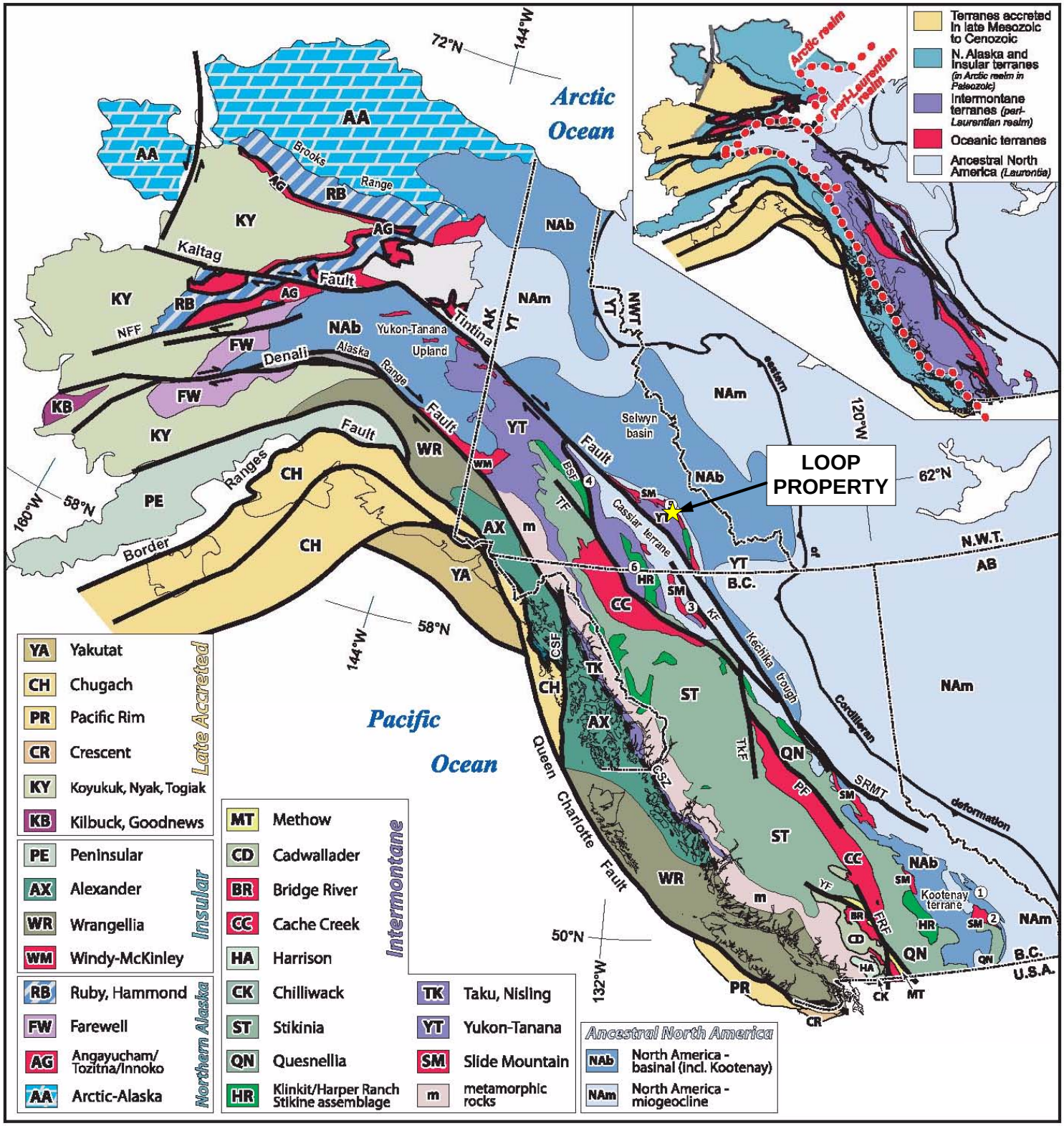
Prior to the Late Triassic, Yukon-Tanana Terrane experienced regional shortening and uplift. This terrane was imbricated with mid-Paleozoic Slide Mountain Terrane after Late Triassic and the resultant structural stack was subsequently thrust onto the North American continental margin before Mid-Cretaceous (Murphy *et al.*, 2006).

During the Mesozoic era two types of intrusion were emplaced in the Finlayson Lake area. The first includes several unmetamorphosed Early Jurassic mafic and intermediate composition plutons. The second consists of Late Cretaceous two-mica quartz monzonite and granite (Mortensen and Jilson, 1985).

In the Loop property area, Yukon-Tanana Terrane is juxtaposed against an overlying klippe of Slide Mountain Terrane (Figure 5). Yukon-Tanana Terrane is represented by Devonian to Mississippian Nasina Assemblage (DMN1) metasedimentary rocks, while Slide Mountain Terrane is characterized by Carboniferous to Permian Anvil Assemblage (CPA) mafic volcanics and chert and pelite. The main lithologies and their sub-units, are described in greater in detail in Table I.

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

| Unit Name | Map Name | Age | Terrane | Description |
|---|---|---|---|---|
| Anvil Assemblage | CPA (undifferentiated) | Carboniferous and Permian | Slide Mountain | Dominantly oceanic assemblage of mafic volcanics (1) and chert and pelite (2). |
| | CPA1 | Carboniferous and Permian | Slide Mountain | Variably altered and foliated, locally augite-phyric basalt (local pillows), diorite and gabbro, chloritic greenstone, amphibolitic greenstone and amphibolite; minor metachert, siliceous argillite or |




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

**FIGURE 4**

**ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**

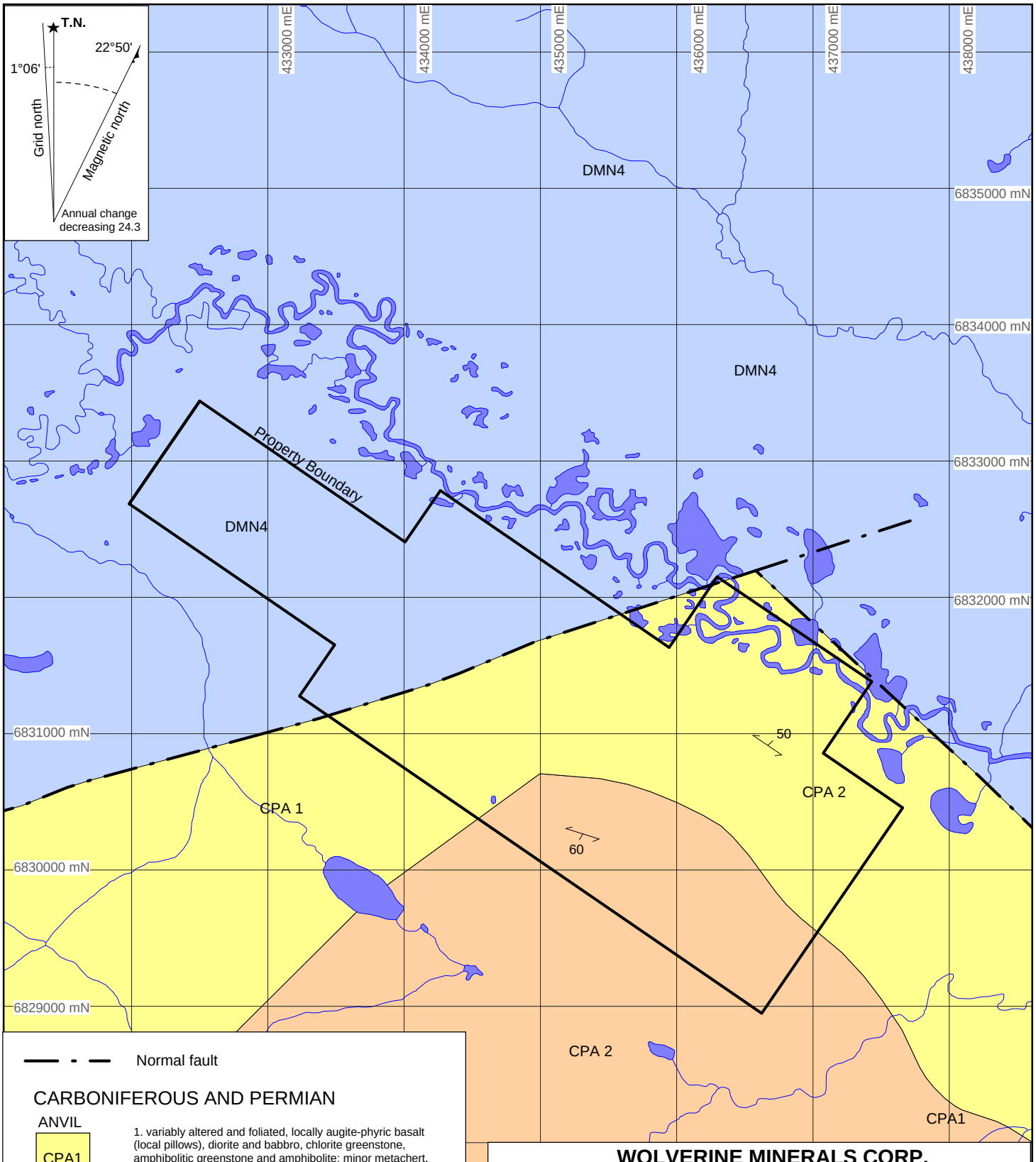
# TECTONIC SETTING

## LOOP PROPERTY

0 300 km

FILE: ...2010/Loop/Tectonic.wor | DATE: APRIL 2011

*After Nelson and Colpron, 2007*




Normal fault

## CARBONIFEROUS AND PERMIAN

ANVIL

**CPA1**

1. variably altered and foliated, locally augite-phyric basalt (local pillows), diorite and babbro, chlorite greenstone, amphibolitic greenstone and amphibolite; minor metachert, siliceous argillite or siltstone, greywacke, tuff and siliceous limestone.

**CPA 2**

2. varicoloured metachert with partings or interbeds of phyllite and tuffaceous argillite; interbedded jasper red and apple green chert and cherty tuff; chert breccia; shale, minor greenstone, agglomerate, limestone, quartzite (?) and greywacke.

## DEVONIAN, MISSISSIPPIAN AND OLDER

NASINA

**DMN4**

4. quartzite, micaceous quartzite, quartz muscovite (and/or chlorite; felsdpar augen) schist, and minor metaconglomerate and metagrit.

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FIGURE 5

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# REGIONAL GEOLOGY

## LOOP PROPERTY

0 0.5 1 km

UTM ZONE 9, NAD 83, 105G/09

FILE: ...2010/Loop/Geology.wor | DATE: APRIL 2011

| | | | | |
|---|---|---|---|---|
| | | | | siltstone, greywacke, tuff, and siliceous limestone. |
| | CPA2 | Carboniferous and Permian | Slide Mountain | Varicoloured meta-chert with partings or interbeds of phyllite and tuffaceous argillite; interbedded jasper red and apple green chert and cherty tuff; chert breccia; shale, minor greenstone, agglomerate, limestone, quartzite(?) and greywacke. |
| Nasina Assemblage | DMN1 | Devonian, Mississippian and older? | Yukon-Tanana | Dark grey to black, fine grained, graphitic and non-graphitic quartzite, grey micaceous quartzite and quartz-muscovite (+/-chlorite +/- feldspar augen) schist, locally garnetiferous; minor graphitic stretched metaconglomerate and metagrit. |

Two normal faults are located at the property. One is a northeast trending structure, which bisects the property and the other is a northwest trending feature located immediately east of the property. These structures intersect north of the property. They form the boundary between Nasina Assemblage to the north and Anvil Assemblage to the south (Figure 5).

## PROPERTY GEOLOGY

Property-scale geological mapping was performed by Gamah International in 1996 (Arengi, 1996). Strategic Metals did not complete any mapping in 2010. The following geological descriptions are largely based on Gamah International's report.

Two distinct lithologic packages are present on the property. They are separated by faults. The southern unit predominantly consists of volcanic rocks, while the northern unit is described as sedimentary.

The sedimentary unit comprises interbedded chert, quartz-sericite schist, greywacke, argillite, and coal. This unit is locally intruded by leucogabbro and serpentinite. These rocks are regionally assigned to the Yukon-Tanana Terrane; however the presence of coal suggests that some Cretaceous (?) post accretionary units are also present. The volcanic unit consists of interbedded, intermediate to mafic volcanics, chert and other silica-rich rocks, which are locally intruded by leucogabbro.

Alteration is observed in both units, but is much more extensive in the sedimentary unit. It is associated with chert and chert breccia, and comprises an iron-rich carbonate and clay assemblage with local chalcedony veinlets and green mica. The carbonate minerals (dolomite and ankerite) are mainly found in veinlets and within fragments surrounded by clay matrix. The highly altered zone is correlated with elevated gold values in soils.

## MINERALIZATION

Mineralization at the historical Oop claims comprise mainly fine grained disseminated sulphides and euhedral pyrite cubes in altered rocks belonging to both lithologic packages. Chalcopyrite is found locally in quartz veins with disseminated pyrite. Some white quartz-carbonate veins containing disseminated pyrite are associated with quartz-sericite schist of the sedimentary unit.

## SOIL GEOCHEMISTRY

Gamah International collected 135 soil samples from the Oop claim in 1996. The samples were collected from two detailed grids (west and east grids) and a larger reconnaissance grid. Gold, copper, and zinc soil sample results from those grids were illustrated on maps with anomalous areas outlined by contours. Soil sample locations and actual values were not shown. Slightly elevated gold values to a peak of 15.1 ppb were obtained in the eastern part of the Oop claim block, immediately south of the Finlayson River.

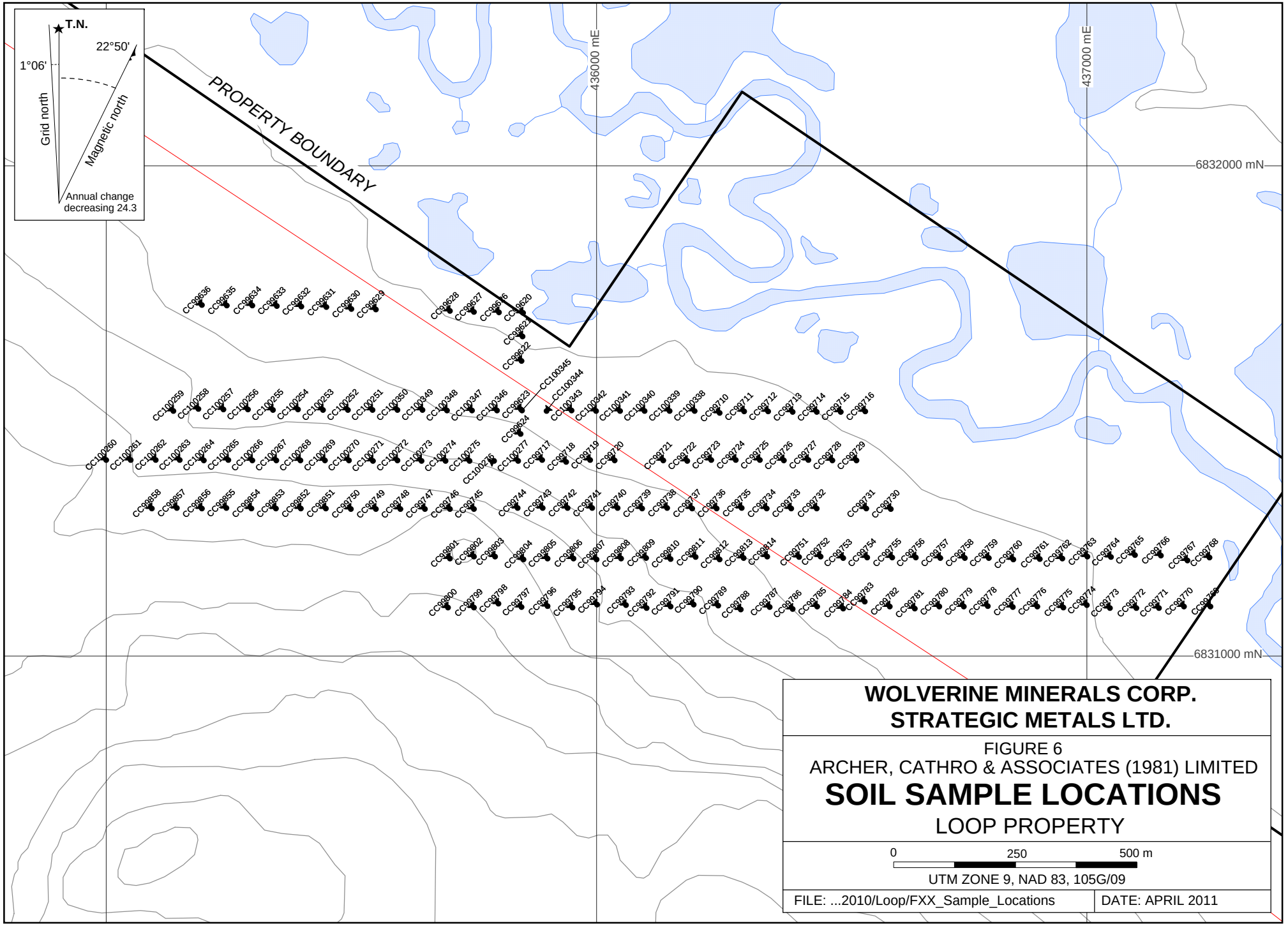
In 2010, 170 grid soil samples were collected at 50 m by 100 m spacings across the quartz-carbonate altered zone. The grid overlapped and extended the historical gold-in-soil anomalies to the west. Soil sample locations are plotted on Figure 6, while Certificates of Analysis are provided in Appendix II.

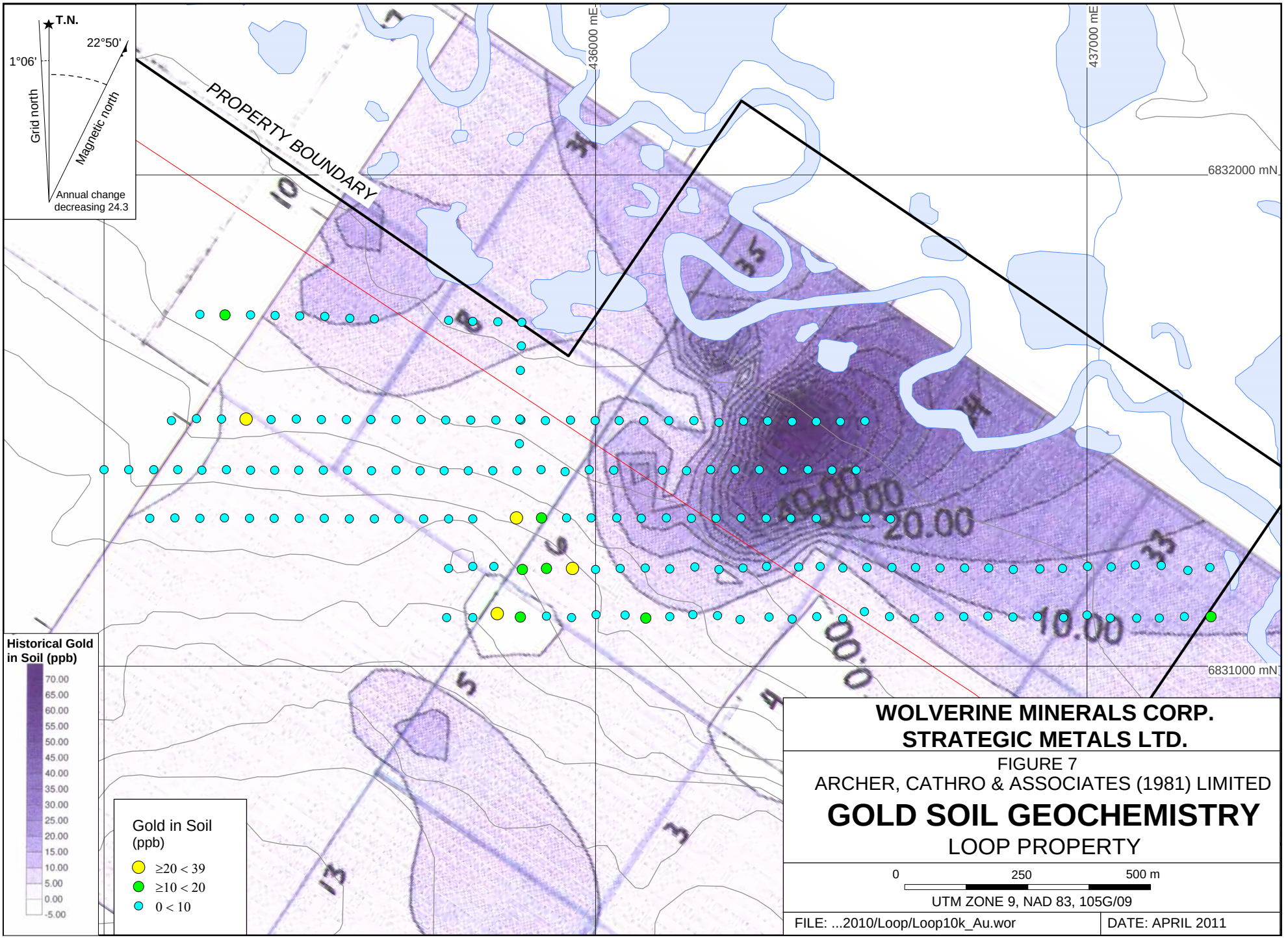
The soil samples were collected from 10 to 40 cm deep holes dug by hand-held auger. They were placed into individually pre-numbered Kraft paper bags. Sample sites are marked by aluminum tags inscribed with the sample numbers and affixed to 0.5 m wooden lath that were driven into the ground. All soil sample locations were recorded using hand-held GPS units. The samples were shipped to ALS Chemex in North Vancouver, B.C., where they were dried and sieved to -180 microns. They were then analyzed for 35 elements using aqua regia digestion and inductively coupled plasma-atomic emission spectroscopy analysis (ME-ICP41). An additional 30 g charge was further analysed for gold by fire assay with inductively coupled plasma-atomic emission spectroscopy finish (Au-ICP21). Anomalous thresholds and peak values for soil samples are listed in Table II.

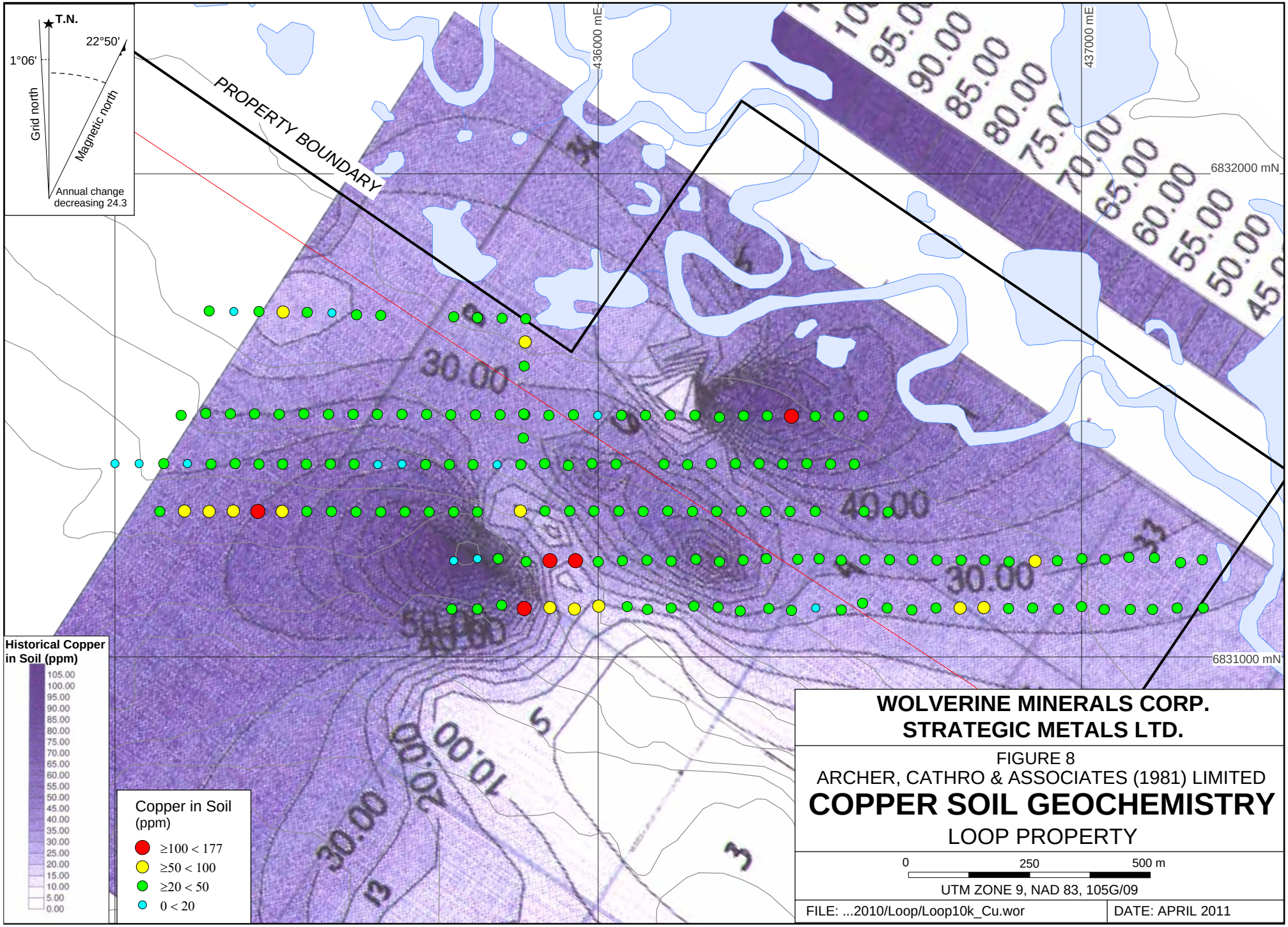
**Table II – Geochemical Data for Soil Samples**

| Element | Anomalous Thresholds | | | | |
|---|---|---|---|---|---|
| | Weak | Moderate | Strong | Very Strong | Peak |
| Gold (ppb) | 10 < 20 | ≥ 20 < 39 | n/a | n/a | 39 |
| Copper (ppm) | 20 < 50 | ≥ 50 < 100 | ≥ 100 < 177 | n/a | 177 |
| Zinc (ppm) | 100 < 200 | ≥ 200 < 231 | n/a | n/a | 231 |

Moderate gold-in-soil anomalies outlined in 2010 overlap the historical geochemical gold anomalies (Figure 7). The 2010 program extended further west than the historical zone and that part of the grid yielded two gold-in-soil values of 32 and 18 ppb. Moderate to strong copper-in-soil values were obtained within the area of historical copper anomalies and further to the west (Figure 8).


T.N.
22°50'
1°06'
Grid north
Magnetic north
Annual change
decreasing 24.3
PROPERTY BOUNDARY
436000 mE
437000 mE
6832000 mN
6831000 mN
WOLVERINE MINERALS CORP.
STRATEGIC METALS LTD.
FIGURE 6
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
SOIL SAMPLE LOCATIONS
LOOP PROPERTY
0
250
500 m
UTM ZONE 9, NAD 83, 105G/09
FILE: ...2010/Loop/FXX_Sample_Locations
DATE: APRIL 2011


T.N.
22°50'
1°06'
Grid north
Magnetic north
Annual change decreasing 24.3
PROPERTY BOUNDARY
436000 mE
437000 mE
6832000 mN
6831000 mN
Historical Gold in Soil (ppb)
70.00
65.00
60.00
55.00
50.00
45.00
40.00
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
-5.00
Gold in Soil (ppb)
≥20 < 39
≥10 < 20
0 < 10
WOLVERINE MINERALS CORP.
STRATEGIC METALS LTD.
FIGURE 7
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
GOLD SOIL GEOCHEMISTRY
LOOP PROPERTY
0
250
500 m
UTM ZONE 9, NAD 83, 105G/09
FILE: ...2010/Loop/Loop10k_Au.wor
DATE: APRIL 2011


T.N.
22°50'
1°06'
Grid north
Magnetic north
Annual change decreasing 24.3
PROPERTY BOUNDARY
436000 mE
437000 mE
6832000 mN
6831000 mN
Historical Copper in Soil (ppm)
105.00
100.00
95.00
90.00
85.00
80.00
75.00
70.00
65.00
60.00
55.00
50.00
45.00
40.00
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
Copper in Soil (ppm)
≥100 < 177
≥50 < 100
≥20 < 50
0 < 20
WOLVERINE MINERALS CORP.
STRATEGIC METALS LTD.
FIGURE 8
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
COPPER SOIL GEOCHEMISTRY
LOOP PROPERTY
0
250
500 m
UTM ZONE 9, NAD 83, 105G/09
FILE: ...2010/Loop/Loop10k_Cu.wor
DATE: APRIL 2011

## HISTORICAL DIAMOND DRILLING

A four hole, diamond drill program was completed on the Oop property in 1996 (OOP 96-1, 96-2, 96-2a, and 96-3) to explore beneath geochemical and geophysical anomalies (Arengi, 1996). The holes were all drilled in the eastern part of the property where precious metals are associated with intense quartz-carbonate alteration. A total of 249.1 m of drilling was completed using NQ equipment. Key data concerning the four drill holes completed in 1996 are listed in Table III.

**Table III – Drill Hole Data**

| Hole | Easting (m) | Northing (m) | Azimuth (°) | Dip Angle (°) | Length (m) |
|---|---|---|---|---|---|
| OOP 96-1 | 436,184 | 6,831,473 | 030 | 45 | 91.5 |
| OOP 96-2 | 436,184 | 6,831,473 | 030 | 70 | 75.3 |
| OOP 96-2a | 436,225 | 6,831,463 | 030 | 70 | 19.2 |
| OOP 96-3 | 436,102 | 6,831,533 | 030 | 70 | 61.3 |

OOP 96-1 and 2 intersected green mica-bearing breccia with alteration comprising sericitization, silicification and carbonatization as veining and replacement. Intrusive mafic volcanics (leucogabbro) were intersected mostly near the top of these holes and intermittently throughout an underlying layer of altered sedimentary rocks. The alteration zone extends from surface continuously to a depth of 58 m in OOP 96-1 and to 55 m in OOP 96-2. Hole 96-2 continues into interbedded argillite and siliceous sediments, which commonly exhibit quartz-carbonate veining. Two, 1.5 m intervals in the sediments yielded 96 and 65 ppb gold, which were the highest values in the holes. Shearing textures in the argillite/siliceous sediments have been interpreted as being fault related.

OOP 96-2a intersected 19.2 m of baked gritty coal, before being abandoned due to poor drilling conditions.

OOP 96-3 intersected 53.9 m of black and gritty argillaceous coal, which becomes more argillaceous with depth. This hole was not sampled.

## DISCUSSION AND CONCLUSIONS

Exploration by Strategic Metals' in 2010 successfully confirmed and expanded the geochemically anomalous areas. The source of anomalous gold and copper values appears to coincide with quartz-carbonate altered zones developed around mafic intrusions and faults, which may also be responsible for quartz-carbonate veins hosting disseminated sulphides within the sedimentary unit. Perhaps significantly, the best gold values from drill holes came from argillaceous/siliceous sediments underlying the quartz-carbonate altered rocks.

The Loop property warrants further exploration. Techniques normally used to follow up geochemical anomalies, such as detailed prospecting and geological mapping, are unlikely to be effective on this property due to the thick overburden and vegetation cover. Therefore, track-

mounted reverse circulation drilling is recommended in geochemically anomalous areas. If zones of strong gold enrichment are outlined in bedrock, those zones should be further evaluated with diamond drill holes.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Andrew Mitchell, B.Sc. Geology

Sarah Eaton, B.Sc. Geology, GIT

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# APPENDIX I

# STATEMENTS OF QUALIFICATIONS

## STATEMENT OF QUALIFICATIONS

I, Andrew Mitchell, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in Vancouver, British Columbia, hereby certify that:

1. I graduated from the University of British Columbia in 2010 with a B.Sc. in Earth and Environmental Sciences.

2. From 2010 to present, I have been actively engaged in mineral exploration in Yukon Territory.

3. I have personally participated in the interpretation of all data resulting from this work.

Andrew Mitchell, B.Sc.

## STATEMENT OF QUALIFICATIONS

I, Sarah Eaton, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in North Vancouver, British Columbia, hereby certify that:

1. I graduated from the University of British Columbia in 2007 with a B.Sc. in Honours Geological Sciences.

2. From 2002 to present, I have been actively engaged in mineral exploration in Yukon Territory, British Columbia and Northwest Territories.

3. I am a Geoscientist in Training (GIT) with the Association of Professional Engineers and Geoscientists of British Columbia (Member Number 154922).

4. I have personally supervised the field work reported herein and have interpreted all data resulting from this work.

Sarah Eaton, B.Sc. (Hon.) Geology, GIT

# APPENDIX II

# CERTIFICATES OF ANALYSIS

ALS Canada Ltd.

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

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


**Finalized Date: 21- AUG- 2010**
**Account: MTT**

# CERTIFICATE VA10109942

Project: LOOP

P.O. No.:

This report is for 129 Soil samples submitted to our lab in Vancouver, BC, Canada on 9- AUG- 2010.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| JOAN MARIACHER | BILL WENGZYNOWSKI | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

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

To: **STRATEGIC METALS LTD.**
**ATTN: JOAN MARIACHER**
**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

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**Finalized Date: 21- AUG- 2010**
**Account: MTT**

Project: LOOP

# CERTIFICATE OF ANALYSIS VA10109942

| Sample Description | Method Analyte Units LOR | WEI- 21 Recvd Wt. kg 0.02 | Au- ICP21 Au ppm 0.001 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CC99751 | | 0.18 | <0.001 | 0.2 | 0.86 | 10 | <10 | 400 | <0.5 | <2 | 0.79 | 0.6 | 9 | 27 | 22 | 1.83 |
| CC99752 | | 0.10 | 0.003 | 0.3 | 1.00 | 10 | <10 | 610 | 0.5 | <2 | 1.05 | 1.0 | 12 | 25 | 37 | 2.12 |
| CC99753 | | 0.16 | 0.003 | 0.3 | 0.85 | 5 | <10 | 440 | <0.5 | <2 | 0.75 | 0.9 | 6 | 30 | 39 | 1.28 |
| CC99754 | | 0.16 | 0.001 | 0.2 | 0.85 | 8 | <10 | 370 | <0.5 | <2 | 0.74 | 0.9 | 9 | 41 | 35 | 1.82 |
| CC99755 | | 0.16 | 0.001 | 0.2 | 0.92 | 6 | <10 | 450 | <0.5 | <2 | 0.86 | 0.8 | 7 | 19 | 29 | 1.68 |
| CC99756 | | 0.24 | 0.002 | 0.2 | 1.11 | 8 | <10 | 500 | 0.5 | <2 | 0.85 | 1.4 | 7 | 19 | 32 | 2.03 |
| CC99757 | | 0.22 | 0.001 | 0.2 | 1.10 | 9 | <10 | 560 | 0.6 | <2 | 1.16 | 1.7 | 7 | 17 | 32 | 2.09 |
| CC99758 | | 0.14 | <0.001 | <0.2 | 0.51 | 6 | <10 | 350 | <0.5 | <2 | 1.12 | 0.8 | 3 | 4 | 23 | 0.71 |
| CC99759 | | 0.20 | 0.002 | 0.4 | 1.21 | 6 | <10 | 510 | 0.5 | <2 | 0.92 | 0.9 | 7 | 17 | 33 | 1.59 |
| CC99760 | | 0.20 | 0.004 | 0.3 | 1.29 | 9 | <10 | 540 | 0.6 | <2 | 1.06 | 0.8 | 7 | 19 | 40 | 2.39 |
| CC99761 | | 0.12 | 0.003 | 0.6 | 1.25 | 14 | <10 | 610 | 0.6 | <2 | 1.28 | 1.6 | 9 | 17 | 52 | 2.16 |
| CC99762 | | 0.20 | 0.001 | 0.4 | 1.05 | 7 | <10 | 490 | 0.5 | <2 | 0.90 | 1.7 | 10 | 27 | 49 | 1.85 |
| CC99763 | | 0.22 | 0.001 | <0.2 | 0.96 | 6 | <10 | 400 | <0.5 | <2 | 0.32 | <0.5 | 5 | 20 | 28 | 1.73 |
| CC99764 | | 0.24 | 0.001 | 0.2 | 0.88 | 5 | <10 | 560 | <0.5 | <2 | 0.64 | 1.0 | 8 | 20 | 32 | 1.77 |
| CC99765 | | 0.18 | <0.001 | 0.2 | 0.99 | 9 | <10 | 550 | 0.5 | <2 | 0.61 | 0.8 | 6 | 19 | 28 | 1.75 |
| CC99766 | | 0.34 | 0.003 | 0.2 | 0.81 | 9 | <10 | 450 | <0.5 | <2 | 0.53 | 0.8 | 7 | 21 | 33 | 1.72 |
| CC99767 | | 0.28 | <0.001 | 0.3 | 0.82 | 8 | <10 | 450 | <0.5 | <2 | 0.57 | 0.7 | 7 | 25 | 27 | 1.49 |
| CC99768 | | 0.20 | <0.001 | <0.2 | 0.88 | 5 | <10 | 430 | <0.5 | <2 | 0.71 | 1.0 | 7 | 20 | 26 | 1.54 |
| CC99769 | | 0.16 | 0.010 | 0.2 | 0.84 | 3 | <10 | 450 | <0.5 | <2 | 0.87 | 1.1 | 6 | 17 | 22 | 1.42 |
| CC99770 | | 0.16 | <0.001 | <0.2 | 0.86 | 7 | <10 | 530 | <0.5 | <2 | 0.76 | 0.5 | 4 | 14 | 21 | 1.35 |
| CC99771 | | 0.26 | <0.001 | 0.3 | 0.83 | 13 | <10 | 540 | <0.5 | 2 | 0.57 | 1.1 | 9 | 18 | 35 | 2.08 |
| CC99772 | | 0.20 | <0.001 | 0.3 | 0.84 | 8 | <10 | 470 | <0.5 | 2 | 0.91 | 0.8 | 6 | 15 | 26 | 1.79 |
| CC99773 | | 0.26 | 0.002 | 0.4 | 0.80 | 11 | <10 | 530 | <0.5 | 3 | 0.74 | 0.9 | 7 | 18 | 33 | 1.95 |
| CC99774 | | 0.14 | 0.003 | 0.4 | 1.17 | 15 | <10 | 720 | 0.5 | 2 | 0.95 | 1.3 | 10 | 17 | 43 | 2.37 |
| CC99775 | | 0.20 | 0.003 | 0.4 | 1.26 | 12 | <10 | 540 | 0.6 | 3 | 0.99 | 0.9 | 9 | 17 | 35 | 2.52 |
| CC99776 | | 0.16 | 0.004 | 0.5 | 1.11 | 13 | <10 | 510 | 0.5 | 3 | 0.88 | 0.9 | 8 | 15 | 38 | 2.18 |
| CC99777 | | 0.24 | 0.004 | 0.5 | 1.14 | 14 | <10 | 530 | 0.6 | 3 | 0.82 | 1.2 | 9 | 16 | 45 | 2.35 |
| CC99778 | | 0.20 | 0.005 | 0.6 | 1.17 | 12 | <10 | 520 | 0.6 | 4 | 0.88 | 1.1 | 11 | 16 | 55 | 3.42 |
| CC99779 | | 0.26 | 0.004 | 0.4 | 1.08 | 9 | <10 | 520 | 0.5 | 2 | 1.16 | 1.8 | 6 | 15 | 51 | 1.69 |
| CC99780 | | 0.18 | 0.001 | 0.4 | 1.19 | 12 | <10 | 360 | 0.5 | 2 | 0.61 | 0.8 | 11 | 20 | 34 | 2.74 |
| CC99781 | | 0.14 | 0.002 | 0.5 | 1.06 | 11 | <10 | 660 | 0.6 | 3 | 1.55 | 1.7 | 9 | 15 | 43 | 2.31 |
| CC99782 | | 0.18 | <0.001 | 0.5 | 0.95 | 6 | <10 | 550 | 0.5 | 3 | 1.14 | 1.4 | 6 | 10 | 28 | 1.53 |
| CC99783 | | 0.10 | 0.002 | 0.4 | 0.99 | 8 | <10 | 580 | 0.5 | 2 | 1.31 | 1.1 | 8 | 13 | 32 | 1.84 |
| CC99784 | | 0.16 | 0.002 | 0.4 | 1.00 | 10 | <10 | 540 | 0.5 | 2 | 0.92 | 1.2 | 9 | 14 | 35 | 1.91 |
| CC99785 | | 0.20 | <0.001 | 0.3 | 0.76 | 10 | <10 | 390 | <0.5 | 3 | 0.78 | 0.9 | 8 | 17 | 16 | 1.77 |
| CC99786 | | 0.18 | <0.001 | 0.3 | 0.83 | 9 | <10 | 370 | <0.5 | 2 | 0.69 | 0.5 | 8 | 19 | 20 | 1.85 |
| CC99787 | | 0.14 | 0.003 | 0.5 | 0.89 | 9 | <10 | 490 | <0.5 | 2 | 0.83 | 1.0 | 9 | 27 | 40 | 1.68 |
| CC99788 | | 0.12 | 0.002 | 0.3 | 0.98 | 10 | <10 | 510 | <0.5 | 3 | 0.94 | 0.6 | 10 | 25 | 26 | 1.89 |
| CC99789 | | 0.24 | <0.001 | 0.4 | 1.10 | 14 | <10 | 480 | 0.5 | 2 | 0.57 | 0.6 | 6 | 18 | 27 | 1.95 |
| CC99790 | | 0.20 | 0.001 | 0.4 | 0.88 | 11 | <10 | 310 | <0.5 | 3 | 0.52 | 0.7 | 9 | 16 | 20 | 1.82 |

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**Finalized Date: 21- AUG- 2010**
**Account: MTT**

Project: LOOP

# CERTIFICATE OF ANALYSIS VA10109942

| 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 |
| CC99751 | | <10 | <1 | 0.10 | 10 | 0.61 | 502 | 3 | 0.01 | 56 | 870 | 15 | 0.05 | <2 | 2 | 65 |
| CC99752 | | <10 | <1 | 0.13 | 10 | 0.62 | 2840 | 3 | 0.01 | 121 | 860 | 15 | 0.09 | <2 | 3 | 90 |
| CC99753 | | <10 | <1 | 0.10 | 10 | 0.58 | 293 | 1 | 0.01 | 68 | 750 | 15 | 0.07 | <2 | 3 | 61 |
| CC99754 | | <10 | <1 | 0.10 | 10 | 0.66 | 230 | 2 | 0.01 | 82 | 820 | 13 | 0.05 | <2 | 3 | 57 |
| CC99755 | | <10 | <1 | 0.10 | 10 | 0.40 | 721 | 2 | 0.01 | 43 | 870 | 11 | 0.06 | <2 | 2 | 50 |
| CC99756 | | <10 | <1 | 0.11 | 10 | 0.40 | 402 | 2 | 0.01 | 43 | 870 | 19 | 0.06 | <2 | 3 | 50 |
| CC99757 | | <10 | <1 | 0.09 | 10 | 0.43 | 544 | 3 | 0.02 | 27 | 830 | 18 | 0.07 | <2 | 2 | 65 |
| CC99758 | | <10 | <1 | 0.04 | <10 | 0.14 | 401 | 1 | 0.04 | 14 | 460 | 3 | 0.11 | <2 | <1 | 69 |
| CC99759 | | <10 | <1 | 0.11 | 10 | 0.57 | 143 | 1 | 0.01 | 27 | 820 | 15 | 0.10 | <2 | 3 | 92 |
| CC99760 | | <10 | <1 | 0.11 | 10 | 0.55 | 376 | 2 | 0.01 | 31 | 820 | 16 | 0.09 | <2 | 3 | 74 |
| CC99761 | | <10 | <1 | 0.12 | 10 | 0.61 | 926 | 2 | 0.02 | 39 | 870 | 15 | 0.11 | <2 | 3 | 87 |
| CC99762 | | <10 | <1 | 0.09 | 10 | 0.33 | 883 | 3 | 0.02 | 39 | 900 | 14 | 0.07 | <2 | 2 | 55 |
| CC99763 | | <10 | <1 | 0.08 | 20 | 0.35 | 106 | 3 | 0.01 | 25 | 940 | 14 | 0.02 | <2 | 2 | 24 |
| CC99764 | | <10 | <1 | 0.08 | 20 | 0.36 | 413 | 2 | 0.01 | 33 | 1040 | 12 | 0.03 | <2 | 2 | 35 |
| CC99765 | | <10 | <1 | 0.08 | 20 | 0.34 | 310 | 2 | 0.01 | 30 | 950 | 11 | 0.03 | <2 | 2 | 38 |
| CC99766 | | <10 | <1 | 0.08 | 20 | 0.37 | 311 | 3 | 0.01 | 36 | 1130 | 10 | 0.02 | 2 | 2 | 34 |
| CC99767 | | <10 | <1 | 0.08 | 20 | 0.39 | 227 | 2 | 0.01 | 35 | 980 | 13 | 0.03 | 2 | 2 | 35 |
| CC99768 | | <10 | <1 | 0.09 | 10 | 0.34 | 260 | 2 | 0.02 | 29 | 820 | 10 | 0.04 | 2 | 2 | 46 |
| CC99769 | | <10 | <1 | 0.08 | 10 | 0.34 | 259 | 1 | 0.01 | 24 | 960 | 10 | 0.06 | 2 | 2 | 59 |
| CC99770 | | <10 | <1 | 0.07 | 10 | 0.25 | 213 | 1 | 0.02 | 18 | 690 | 9 | 0.05 | 3 | 2 | 49 |
| CC99771 | | <10 | <1 | 0.09 | 20 | 0.39 | 354 | 3 | 0.02 | 36 | 1060 | 15 | 0.02 | <2 | 2 | 34 |
| CC99772 | | <10 | <1 | 0.06 | 10 | 0.33 | 442 | 1 | 0.02 | 25 | 960 | 10 | 0.05 | <2 | 2 | 56 |
| CC99773 | | <10 | <1 | 0.08 | 20 | 0.54 | 367 | 2 | 0.02 | 34 | 1080 | 12 | 0.02 | <2 | 2 | 32 |
| CC99774 | | <10 | <1 | 0.09 | 10 | 0.36 | 986 | 2 | 0.02 | 35 | 1020 | 12 | 0.10 | <2 | 2 | 67 |
| CC99775 | | <10 | 1 | 0.12 | 10 | 0.48 | 574 | 2 | 0.02 | 31 | 820 | 16 | 0.07 | <2 | 3 | 61 |
| CC99776 | | <10 | <1 | 0.11 | 10 | 0.40 | 878 | 3 | 0.02 | 28 | 910 | 18 | 0.06 | <2 | 2 | 54 |
| CC99777 | | <10 | <1 | 0.11 | 10 | 0.40 | 613 | 3 | 0.02 | 32 | 860 | 17 | 0.05 | <2 | 2 | 56 |
| CC99778 | | <10 | <1 | 0.11 | 10 | 0.46 | 1135 | 5 | 0.02 | 38 | 880 | 21 | 0.06 | <2 | 3 | 59 |
| CC99779 | | <10 | <1 | 0.10 | 10 | 0.54 | 616 | 1 | 0.02 | 30 | 880 | 15 | 0.11 | <2 | 2 | 75 |
| CC99780 | | <10 | <1 | 0.11 | 20 | 0.56 | 449 | 3 | 0.01 | 34 | 940 | 18 | 0.03 | <2 | 3 | 42 |
| CC99781 | | <10 | <1 | 0.08 | 10 | 0.48 | 559 | 2 | 0.02 | 33 | 820 | 20 | 0.09 | <2 | 3 | 86 |
| CC99782 | | <10 | <1 | 0.08 | 10 | 0.34 | 1195 | 3 | 0.03 | 27 | 740 | 8 | 0.07 | <2 | 2 | 57 |
| CC99783 | | <10 | <1 | 0.09 | 10 | 0.39 | 884 | 2 | 0.02 | 28 | 850 | 15 | 0.09 | <2 | 2 | 69 |
| CC99784 | | <10 | <1 | 0.10 | 10 | 0.36 | 887 | 3 | 0.02 | 32 | 940 | 15 | 0.07 | <2 | 2 | 50 |
| CC99785 | | <10 | <1 | 0.09 | 10 | 0.37 | 767 | 3 | 0.02 | 37 | 910 | 13 | 0.04 | <2 | 2 | 50 |
| CC99786 | | <10 | <1 | 0.08 | 10 | 0.37 | 642 | 3 | 0.01 | 43 | 890 | 13 | 0.03 | <2 | 2 | 47 |
| CC99787 | | <10 | <1 | 0.11 | 10 | 0.58 | 354 | 1 | 0.02 | 88 | 700 | 13 | 0.07 | <2 | 2 | 71 |
| CC99788 | | <10 | <1 | 0.11 | 10 | 0.52 | 509 | 1 | 0.02 | 69 | 560 | 13 | 0.07 | <2 | 2 | 72 |
| CC99789 | | <10 | <1 | 0.10 | 20 | 0.44 | 300 | 1 | 0.02 | 34 | 840 | 17 | 0.04 | <2 | 2 | 46 |
| CC99790 | | <10 | <1 | 0.09 | 10 | 0.43 | 553 | 2 | 0.01 | 50 | 910 | 14 | 0.02 | <2 | 2 | 40 |

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**Finalized Date: 21- AUG- 2010**
**Account: MTT**

Project: LOOP

# CERTIFICATE OF ANALYSIS VA10109942

| Sample Description | Method Analyte Units LOR | ME- ICP41 Th ppm 20 | 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 |
|---|---|---|---|---|---|---|---|---|
| CC99751 | | <20 | 0.01 | <10 | <10 | 30 | <10 | 114 |
| CC99752 | | <20 | 0.01 | <10 | <10 | 29 | <10 | 143 |
| CC99753 | | <20 | 0.01 | <10 | <10 | 23 | <10 | 95 |
| CC99754 | | <20 | 0.01 | <10 | <10 | 27 | <10 | 113 |
| CC99755 | | <20 | 0.01 | <10 | <10 | 26 | <10 | 110 |
| CC99756 | | <20 | 0.01 | <10 | <10 | 34 | <10 | 137 |
| CC99757 | | <20 | 0.01 | <10 | <10 | 35 | <10 | 130 |
| CC99758 | | <20 | 0.01 | <10 | 10 | 11 | <10 | 40 |
| CC99759 | | <20 | 0.01 | <10 | <10 | 34 | <10 | 144 |
| CC99760 | | <20 | 0.01 | <10 | <10 | 40 | <10 | 133 |
| CC99761 | | <20 | 0.01 | <10 | <10 | 38 | <10 | 165 |
| CC99762 | | <20 | 0.01 | <10 | <10 | 35 | <10 | 120 |
| CC99763 | | <20 | 0.01 | <10 | <10 | 36 | <10 | 90 |
| CC99764 | | <20 | 0.01 | <10 | <10 | 35 | <10 | 102 |
| CC99765 | | <20 | 0.01 | <10 | <10 | 36 | <10 | 92 |
| CC99766 | | <20 | 0.01 | <10 | <10 | 42 | <10 | 105 |
| CC99767 | | <20 | 0.01 | <10 | <10 | 32 | <10 | 90 |
| CC99768 | | <20 | 0.01 | <10 | <10 | 31 | <10 | 104 |
| CC99769 | | <20 | 0.01 | <10 | <10 | 31 | <10 | 109 |
| CC99770 | | <20 | 0.01 | <10 | <10 | 30 | <10 | 67 |
| CC99771 | | <20 | 0.02 | <10 | <10 | 35 | <10 | 125 |
| CC99772 | | <20 | 0.01 | <10 | <10 | 29 | <10 | 88 |
| CC99773 | | <20 | 0.02 | <10 | <10 | 34 | <10 | 118 |
| CC99774 | | <20 | 0.01 | <10 | 10 | 36 | <10 | 137 |
| CC99775 | | <20 | 0.01 | <10 | <10 | 37 | <10 | 155 |
| CC99776 | | <20 | 0.01 | <10 | <10 | 33 | <10 | 133 |
| CC99777 | | <20 | 0.01 | <10 | <10 | 34 | <10 | 139 |
| CC99778 | | <20 | 0.01 | <10 | <10 | 36 | <10 | 138 |
| CC99779 | | <20 | 0.01 | <10 | <10 | 29 | <10 | 114 |
| CC99780 | | <20 | 0.01 | <10 | <10 | 42 | <10 | 144 |
| CC99781 | | <20 | 0.01 | <10 | <10 | 30 | <10 | 118 |
| CC99782 | | <20 | 0.01 | <10 | <10 | 23 | <10 | 87 |
| CC99783 | | <20 | 0.01 | <10 | <10 | 27 | <10 | 110 |
| CC99784 | | <20 | 0.01 | <10 | <10 | 29 | <10 | 112 |
| CC99785 | | <20 | 0.01 | <10 | <10 | 25 | <10 | 119 |
| CC99786 | | <20 | 0.01 | <10 | <10 | 27 | <10 | 98 |
| CC99787 | | <20 | 0.01 | <10 | <10 | 26 | <10 | 98 |
| CC99788 | | <20 | 0.01 | <10 | <10 | 27 | <10 | 116 |
| CC99789 | | <20 | 0.01 | <10 | <10 | 33 | <10 | 96 |
| CC99790 | | <20 | 0.01 | <10 | <10 | 29 | <10 | 110 |

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**Finalized Date: 21- AUG- 2010**
**Account: MTT**

Project: LOOP

# CERTIFICATE OF ANALYSIS VA10109942

| Sample Description | Method / Analyte / Units / LOR | WEI- 21 Recvd Wt. kg 0.02 | Au- ICP21 Au ppm 0.001 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CC99791 | | 0.22 | 0.001 | 0.5 | 0.86 | 11 | <10 | 280 | <0.5 | 2 | 0.49 | 0.5 | 8 | 15 | 20 | 1.86 |
| CC99792 | | 0.26 | 0.017 | 0.4 | 1.05 | 13 | <10 | 520 | 0.5 | 2 | 1.05 | 1.1 | 9 | 17 | 38 | 2.37 |
| CC99793 | | 0.24 | 0.001 | 0.4 | 1.05 | 14 | <10 | 480 | 0.5 | 3 | 1.34 | 1.0 | 9 | 15 | 37 | 2.40 |
| CC99794 | | 0.16 | 0.007 | 0.6 | 0.64 | 9 | <10 | 310 | <0.5 | 3 | 0.99 | 1.0 | 6 | 24 | 60 | 1.56 |
| CC99795 | | 0.26 | 0.007 | 1.2 | 0.99 | 10 | <10 | 350 | 0.5 | 2 | 0.80 | 2.7 | 10 | 39 | 97 | 2.21 |
| CC99796 | | 0.14 | 0.004 | 0.3 | 0.36 | 4 | <10 | 200 | <0.5 | 3 | 1.60 | 1.6 | 5 | 6 | 74 | 1.01 |
| CC99797 | | 0.24 | 0.017 | 1.4 | 0.54 | 6 | <10 | 550 | <0.5 | 3 | 1.17 | 1.0 | 6 | 11 | 177 | 1.50 |
| CC99798 | | 0.18 | 0.029 | 0.7 | 0.60 | 25 | <10 | 250 | <0.5 | 3 | 0.69 | <0.5 | 8 | 10 | 35 | 1.90 |
| CC99799 | | 0.14 | 0.002 | 0.5 | 0.22 | 6 | <10 | 150 | <0.5 | 3 | 1.25 | 0.9 | 6 | 7 | 30 | 1.45 |
| CC99800 | | 0.14 | 0.002 | 0.3 | 0.21 | 6 | <10 | 180 | <0.5 | 3 | 0.48 | <0.5 | 7 | 4 | 31 | 1.63 |
| CC99801 | | 0.20 | <0.001 | 0.4 | 1.11 | 22 | <10 | 330 | <0.5 | <2 | 0.42 | <0.5 | 18 | 203 | 15 | 3.24 |
| CC99802 | | 0.22 | <0.001 | 0.2 | 2.62 | 11 | <10 | 410 | <0.5 | <2 | 0.36 | 0.5 | 83 | 930 | 19 | 8.37 |
| CC99803 | | 0.16 | 0.005 | 0.2 | 0.72 | 36 | <10 | 280 | <0.5 | 3 | 1.13 | <0.5 | 15 | 57 | 29 | 3.48 |
| CC99804 | | 0.16 | 0.017 | 1.1 | 0.26 | 22 | <10 | 90 | <0.5 | 3 | 0.54 | 1.3 | 11 | 15 | 48 | 2.46 |
| CC99805 | | 0.12 | 0.010 | 0.9 | 0.53 | 14 | <10 | 320 | <0.5 | 3 | 1.32 | 0.9 | 8 | 24 | 124 | 2.23 |
| CC99806 | | 0.16 | 0.021 | 1.3 | 0.31 | 16 | <10 | 190 | <0.5 | 2 | 0.50 | 1.3 | 3 | 14 | 130 | 2.08 |
| CC99807 | | 0.18 | 0.006 | 0.7 | 0.73 | 13 | <10 | 330 | <0.5 | 3 | 0.51 | 1.1 | 7 | 21 | 33 | 1.99 |
| CC99808 | | 0.22 | 0.005 | 0.6 | 0.84 | 14 | <10 | 310 | <0.5 | 2 | 0.66 | 0.5 | 8 | 15 | 32 | 2.06 |
| CC99809 | | 0.30 | 0.002 | 0.5 | 1.03 | 9 | <10 | 440 | 0.6 | 2 | 0.59 | 1.5 | 9 | 18 | 40 | 1.87 |
| CC99810 | | 0.20 | <0.001 | 0.5 | 1.10 | 10 | <10 | 570 | 0.6 | 2 | 0.70 | 0.6 | 8 | 16 | 33 | 2.13 |
| CC99811 | | 0.18 | 0.002 | 0.3 | 0.86 | 10 | <10 | 480 | <0.5 | 3 | 0.69 | 0.6 | 11 | 83 | 33 | 2.02 |
| CC99812 | | 0.18 | 0.002 | 0.6 | 0.98 | 12 | <10 | 430 | 0.5 | 3 | 0.77 | 0.6 | 9 | 42 | 38 | 2.23 |
| CC99813 | | 0.22 | 0.001 | 0.3 | 0.69 | 10 | <10 | 320 | <0.5 | 2 | 0.55 | 0.7 | 7 | 21 | 23 | 1.56 |
| CC99814 | | 0.18 | 0.003 | 0.6 | 0.93 | 9 | <10 | 570 | 0.5 | 3 | 1.39 | 1.1 | 8 | 15 | 38 | 1.70 |
| CC99710 | | 0.42 | <0.001 | 0.4 | 0.91 | 8 | <10 | 390 | <0.5 | 3 | 0.86 | 1.1 | 8 | 35 | 25 | 1.50 |
| CC99711 | | 0.20 | 0.002 | 0.5 | 1.11 | 13 | <10 | 500 | 0.6 | 2 | 0.94 | 1.3 | 15 | 37 | 44 | 2.48 |
| CC99712 | | 0.30 | 0.001 | 0.4 | 1.06 | 17 | <10 | 450 | 0.5 | 3 | 0.75 | 1.0 | 15 | 44 | 34 | 2.73 |
| CC99713 | | 0.30 | 0.004 | 0.7 | 1.03 | 11 | <10 | 560 | 0.7 | 2 | 1.51 | 2.0 | 9 | 28 | 110 | 1.93 |
| CC99714 | | 0.20 | 0.001 | 0.5 | 1.05 | 11 | <10 | 750 | 0.5 | 3 | 1.40 | 1.4 | 8 | 29 | 43 | 1.80 |
| CC99715 | | 0.32 | 0.002 | 0.4 | 1.06 | 12 | <10 | 420 | 0.5 | 2 | 0.69 | 1.0 | 7 | 25 | 35 | 1.90 |
| CC99716 | | 0.26 | <0.001 | 0.4 | 0.92 | 9 | <10 | 490 | 0.5 | 2 | 0.77 | 1.3 | 10 | 22 | 36 | 1.66 |
| CC99717 | | 0.16 | 0.001 | 0.5 | 1.00 | 8 | <10 | 400 | 0.5 | 2 | 0.95 | 0.8 | 8 | 16 | 28 | 2.02 |
| CC99718 | | 0.34 | 0.002 | 0.4 | 0.91 | 9 | <10 | 370 | 0.5 | 3 | 0.46 | 0.7 | 7 | 15 | 31 | 1.98 |
| CC99719 | | 0.34 | 0.001 | 0.5 | 1.11 | 10 | <10 | 610 | 0.6 | 3 | 0.73 | 0.9 | 9 | 16 | 44 | 2.26 |
| CC99720 | | 0.30 | 0.001 | 0.3 | 0.98 | 8 | <10 | 410 | 0.5 | 3 | 0.46 | 0.5 | 7 | 16 | 33 | 2.12 |
| CC99721 | | 0.18 | 0.002 | 0.7 | 1.09 | 12 | <10 | 600 | 0.5 | 3 | 0.69 | 1.9 | 15 | 36 | 41 | 2.34 |
| CC99722 | | 0.26 | 0.003 | 0.3 | 1.05 | 9 | <10 | 490 | <0.5 | 2 | 0.66 | 0.6 | 12 | 55 | 29 | 2.20 |
| CC99723 | | 0.16 | 0.001 | 0.5 | 1.00 | 8 | <10 | 510 | <0.5 | 3 | 0.90 | <0.5 | 8 | 45 | 35 | 1.69 |
| CC99724 | | 0.46 | 0.002 | 0.5 | 1.22 | 16 | <10 | 450 | 0.6 | 2 | 0.72 | 1.3 | 11 | 24 | 44 | 2.67 |
| CC99725 | | 0.36 | 0.001 | 0.5 | 1.07 | 10 | <10 | 450 | 0.5 | 3 | 0.95 | 1.2 | 9 | 24 | 36 | 2.26 |

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


**Finalized Date: 21- AUG- 2010**
**Account: MTT**

Project: LOOP

# CERTIFICATE OF ANALYSIS VA10109942

| 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 |
| CC99791 | | <10 | <1 | 0.08 | 20 | 0.41 | 263 | 2 | 0.02 | 39 | 930 | 13 | 0.02 | <2 | 2 | 34 |
| CC99792 | | <10 | <1 | 0.14 | 20 | 0.66 | 465 | 3 | 0.02 | 37 | 900 | 16 | 0.02 | <2 | 3 | 45 |
| CC99793 | | <10 | <1 | 0.13 | 20 | 0.66 | 423 | 4 | 0.02 | 34 | 940 | 16 | 0.02 | <2 | 3 | 52 |
| CC99794 | | <10 | <1 | 0.08 | 10 | 0.38 | 279 | 2 | 0.02 | 35 | 1380 | 11 | 0.04 | <2 | 2 | 57 |
| CC99795 | | <10 | 1 | 0.11 | 10 | 0.55 | 270 | 3 | 0.02 | 74 | 980 | 15 | 0.04 | 2 | 3 | 44 |
| CC99796 | | <10 | <1 | 0.04 | <10 | 0.24 | 375 | 1 | 0.03 | 32 | 810 | 6 | 0.08 | <2 | 1 | 66 |
| CC99797 | | <10 | <1 | 0.08 | 10 | 0.24 | 289 | 3 | 0.01 | 26 | 1180 | 10 | 0.04 | <2 | 2 | 53 |
| CC99798 | | <10 | <1 | 0.06 | 10 | 0.21 | 612 | 2 | 0.01 | 24 | 760 | 17 | 0.03 | <2 | 2 | 39 |
| CC99799 | | <10 | <1 | 0.03 | 10 | 0.19 | 371 | 1 | 0.02 | 19 | 510 | 15 | 0.09 | <2 | 3 | 53 |
| CC99800 | | <10 | <1 | 0.04 | 10 | 0.08 | 331 | 3 | 0.01 | 12 | 550 | 12 | 0.04 | <2 | 1 | 29 |
| CC99801 | | <10 | <1 | 0.07 | 10 | 1.14 | 362 | 2 | 0.01 | 251 | 210 | 7 | 0.02 | 5 | 5 | 26 |
| CC99802 | | 10 | 1 | 0.03 | 10 | 2.46 | 934 | 1 | 0.02 | 1090 | 290 | 3 | 0.02 | <2 | 11 | 23 |
| CC99803 | | <10 | <1 | 0.05 | <10 | 0.21 | 602 | <1 | 0.03 | 57 | 310 | 3 | 0.05 | <2 | 13 | 43 |
| CC99804 | | <10 | <1 | 0.04 | 10 | 0.12 | 295 | 10 | 0.01 | 67 | 650 | 18 | 0.02 | 12 | 5 | 49 |
| CC99805 | | <10 | <1 | 0.07 | 10 | 0.34 | 550 | 5 | 0.02 | 57 | 1330 | 10 | 0.05 | <2 | 3 | 73 |
| CC99806 | | <10 | <1 | 0.04 | 10 | 0.12 | 105 | 5 | 0.01 | 37 | 300 | 12 | 0.03 | 7 | 1 | 34 |
| CC99807 | | <10 | <1 | 0.07 | 10 | 0.32 | 378 | 4 | 0.01 | 23 | 510 | 18 | 0.02 | <2 | 2 | 33 |
| CC99808 | | <10 | <1 | 0.09 | 10 | 0.33 | 275 | 5 | 0.01 | 21 | 1130 | 15 | 0.02 | <2 | 2 | 53 |
| CC99809 | | <10 | <1 | 0.11 | 20 | 0.43 | 190 | 1 | 0.01 | 33 | 800 | 16 | 0.04 | <2 | 3 | 33 |
| CC99810 | | <10 | <1 | 0.10 | 10 | 0.43 | 420 | 3 | 0.01 | 31 | 810 | 13 | 0.02 | <2 | 2 | 35 |
| CC99811 | | <10 | <1 | 0.07 | 10 | 0.94 | 443 | 2 | 0.01 | 124 | 690 | 11 | 0.04 | <2 | 3 | 50 |
| CC99812 | | <10 | <1 | 0.09 | 10 | 0.54 | 586 | 2 | 0.01 | 94 | 850 | 16 | 0.06 | <2 | 3 | 62 |
| CC99813 | | <10 | <1 | 0.07 | 10 | 0.41 | 375 | 2 | 0.01 | 53 | 880 | 11 | 0.02 | <2 | 2 | 40 |
| CC99814 | | <10 | <1 | 0.09 | 10 | 0.45 | 590 | 1 | 0.02 | 57 | 800 | 11 | 0.10 | <2 | 2 | 92 |
| CC99710 | | <10 | <1 | 0.08 | 10 | 0.56 | 267 | 1 | 0.01 | 44 | 740 | 15 | 0.04 | <2 | 3 | 47 |
| CC99711 | | <10 | <1 | 0.12 | 10 | 0.56 | 491 | 3 | 0.01 | 76 | 850 | 18 | 0.03 | <2 | 3 | 52 |
| CC99712 | | <10 | <1 | 0.11 | 10 | 0.59 | 782 | 3 | 0.01 | 67 | 930 | 21 | 0.03 | <2 | 3 | 48 |
| CC99713 | | <10 | <1 | 0.09 | 20 | 0.60 | 458 | 2 | 0.01 | 70 | 890 | 18 | 0.08 | <2 | 4 | 71 |
| CC99714 | | <10 | <1 | 0.09 | 10 | 0.44 | 488 | 1 | 0.02 | 55 | 790 | 13 | 0.06 | <2 | 3 | 63 |
| CC99715 | | <10 | <1 | 0.10 | 10 | 0.45 | 212 | 1 | 0.01 | 48 | 800 | 15 | 0.07 | <2 | 3 | 49 |
| CC99716 | | <10 | <1 | 0.10 | 10 | 0.50 | 205 | 2 | 0.01 | 48 | 800 | 14 | 0.14 | <2 | 2 | 65 |
| CC99717 | | <10 | <1 | 0.10 | 10 | 0.47 | 348 | 3 | 0.02 | 27 | 780 | 15 | 0.04 | <2 | 2 | 45 |
| CC99718 | | <10 | <1 | 0.09 | 20 | 0.38 | 377 | 4 | 0.01 | 29 | 810 | 15 | 0.01 | <2 | 2 | 27 |
| CC99719 | | <10 | <1 | 0.12 | 20 | 0.44 | 441 | 4 | 0.02 | 37 | 830 | 17 | 0.03 | <2 | 3 | 37 |
| CC99720 | | <10 | <1 | 0.10 | 20 | 0.40 | 316 | 3 | 0.01 | 28 | 820 | 14 | 0.01 | <2 | 2 | 27 |
| CC99721 | | <10 | <1 | 0.11 | 10 | 0.53 | 1190 | 4 | 0.02 | 76 | 980 | 16 | 0.05 | <2 | 3 | 44 |
| CC99722 | | <10 | <1 | 0.10 | 10 | 0.74 | 331 | 2 | 0.02 | 88 | 710 | 13 | 0.03 | <2 | 3 | 43 |
| CC99723 | | <10 | <1 | 0.10 | 10 | 0.60 | 419 | 1 | 0.02 | 85 | 790 | 12 | 0.05 | <2 | 3 | 49 |
| CC99724 | | <10 | <1 | 0.15 | 20 | 0.67 | 439 | 3 | 0.02 | 52 | 880 | 20 | 0.01 | <2 | 3 | 35 |
| CC99725 | | <10 | <1 | 0.13 | 10 | 0.54 | 460 | 3 | 0.02 | 58 | 930 | 18 | 0.04 | <2 | 3 | 51 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 21- AUG- 2010**
**Account: MTT**

Project: LOOP

# CERTIFICATE OF ANALYSIS VA10109942

| Sample Description | Method | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 |
|---|---|---|---|---|---|---|---|---|
| | Analyte | Th | Ti | Tl | U | V | W | Zn |
| | Units | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 20 | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC99791 | | <20 | 0.01 | <10 | <10 | 29 | <10 | 104 |
| CC99792 | | <20 | 0.01 | <10 | <10 | 34 | <10 | 135 |
| CC99793 | | <20 | 0.01 | <10 | <10 | 33 | <10 | 131 |
| CC99794 | | <20 | 0.01 | <10 | <10 | 28 | <10 | 116 |
| CC99795 | | <20 | 0.01 | <10 | <10 | 35 | <10 | 167 |
| CC99796 | | <20 | 0.01 | <10 | <10 | 19 | <10 | 100 |
| CC99797 | | <20 | <0.01 | <10 | <10 | 34 | <10 | 145 |
| CC99798 | | <20 | <0.01 | <10 | <10 | 26 | <10 | 60 |
| CC99799 | | <20 | <0.01 | <10 | <10 | 6 | <10 | 41 |
| CC99800 | | <20 | <0.01 | <10 | <10 | 5 | <10 | 29 |
| CC99801 | | <20 | 0.01 | <10 | <10 | 40 | <10 | 67 |
| CC99802 | | <20 | 0.01 | <10 | <10 | 114 | <10 | 72 |
| CC99803 | | <20 | 0.01 | <10 | <10 | 79 | <10 | 37 |
| CC99804 | | <20 | <0.01 | <10 | <10 | 31 | <10 | 231 |
| CC99805 | | <20 | <0.01 | <10 | <10 | 30 | <10 | 214 |
| CC99806 | | <20 | <0.01 | <10 | <10 | 13 | <10 | 170 |
| CC99807 | | <20 | 0.01 | <10 | <10 | 28 | <10 | 122 |
| CC99808 | | <20 | 0.01 | <10 | <10 | 35 | <10 | 130 |
| CC99809 | | <20 | 0.01 | <10 | <10 | 34 | <10 | 142 |
| CC99810 | | <20 | 0.01 | <10 | <10 | 35 | <10 | 109 |
| CC99811 | | <20 | 0.01 | <10 | <10 | 26 | <10 | 92 |
| CC99812 | | <20 | 0.01 | <10 | <10 | 33 | <10 | 106 |
| CC99813 | | <20 | 0.01 | <10 | <10 | 24 | <10 | 82 |
| CC99814 | | <20 | 0.01 | <10 | <10 | 26 | <10 | 88 |
| CC99710 | | <20 | 0.01 | <10 | <10 | 33 | <10 | 89 |
| CC99711 | | <20 | 0.01 | <10 | <10 | 39 | <10 | 119 |
| CC99712 | | <20 | 0.01 | <10 | <10 | 40 | <10 | 142 |
| CC99713 | | <20 | 0.01 | <10 | <10 | 35 | <10 | 112 |
| CC99714 | | <20 | 0.01 | <10 | <10 | 33 | <10 | 90 |
| CC99715 | | <20 | 0.01 | <10 | <10 | 35 | <10 | 125 |
| CC99716 | | <20 | 0.01 | <10 | <10 | 34 | <10 | 121 |
| CC99717 | | <20 | 0.01 | <10 | <10 | 31 | <10 | 127 |
| CC99718 | | <20 | 0.01 | <10 | <10 | 32 | <10 | 114 |
| CC99719 | | <20 | 0.01 | <10 | <10 | 36 | <10 | 135 |
| CC99720 | | <20 | 0.01 | <10 | <10 | 33 | <10 | 113 |
| CC99721 | | <20 | 0.01 | <10 | <10 | 40 | <10 | 155 |
| CC99722 | | <20 | 0.01 | <10 | <10 | 33 | <10 | 125 |
| CC99723 | | <20 | 0.01 | <10 | <10 | 28 | <10 | 97 |
| CC99724 | | <20 | 0.01 | <10 | <10 | 40 | <10 | 159 |
| CC99725 | | <20 | 0.01 | <10 | <10 | 35 | <10 | 156 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 21- AUG- 2010**
**Account: MTT**

Project: LOOP

# CERTIFICATE OF ANALYSIS VA10109942

| Sample Description | Method Analyte Units LOR | WEI- 21 Recvd Wt. kg 0.02 | Au- ICP21 Au ppm 0.001 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CC99726 | | 0.30 | 0.001 | 0.5 | 0.95 | 11 | <10 | 380 | <0.5 | 2 | 0.65 | 0.6 | 8 | 23 | 29 | 2.11 |
| CC99727 | | 0.32 | 0.001 | 0.5 | 1.23 | 12 | <10 | 570 | 0.6 | 2 | 0.64 | 0.7 | 10 | 30 | 41 | 2.47 |
| CC99728 | | 0.18 | <0.001 | 0.4 | 1.06 | 8 | <10 | 450 | 0.5 | 2 | 0.80 | 1.1 | 7 | 23 | 32 | 2.11 |
| CC99729 | | 0.18 | <0.001 | 0.5 | 1.00 | 14 | <10 | 550 | 0.6 | 3 | 1.53 | 1.0 | 9 | 20 | 41 | 2.08 |
| CC99730 | | 0.24 | 0.003 | 0.3 | 0.81 | 3 | <10 | 450 | <0.5 | 3 | 0.66 | 0.9 | 6 | 28 | 36 | 1.22 |
| CC99731 | | 0.26 | 0.001 | 0.5 | 0.98 | 14 | <10 | 590 | 0.5 | 2 | 0.67 | 1.0 | 12 | 26 | 41 | 2.34 |
| CC99732 | | 0.32 | 0.001 | 0.4 | 1.04 | 9 | <10 | 470 | 0.5 | 2 | 0.66 | 0.8 | 8 | 24 | 32 | 2.01 |
| CC99733 | | 0.22 | <0.001 | 0.4 | 0.94 | 9 | <10 | 490 | <0.5 | 3 | 0.86 | 1.1 | 9 | 36 | 32 | 1.85 |
| CC99734 | | 0.24 | 0.002 | 0.3 | 0.90 | 8 | <10 | 400 | <0.5 | 2 | 0.39 | <0.5 | 8 | 34 | 39 | 1.98 |
| CC99735 | | 0.38 | 0.006 | 0.3 | 1.03 | 10 | <10 | 450 | 0.5 | 2 | 0.53 | 0.7 | 9 | 26 | 28 | 1.89 |
| CC99736 | | 0.16 | 0.001 | 0.4 | 1.07 | 15 | <10 | 520 | <0.5 | 3 | 0.90 | 0.8 | 15 | 65 | 29 | 3.31 |
| CC99737 | | 0.30 | 0.002 | 0.3 | 0.92 | 9 | <10 | 530 | <0.5 | 2 | 0.98 | 0.8 | 11 | 45 | 34 | 1.76 |
| CC99738 | | 0.24 | 0.004 | 0.3 | 0.78 | 9 | <10 | 430 | <0.5 | <2 | 0.69 | 0.9 | 11 | 18 | 42 | 2.12 |
| CC99739 | | 0.18 | 0.003 | 0.5 | 0.89 | 10 | <10 | 390 | <0.5 | <2 | 0.63 | 1.1 | 8 | 16 | 36 | 2.06 |
| CC99740 | | 0.18 | 0.002 | 0.4 | 0.91 | 7 | <10 | 400 | 0.5 | <2 | 0.66 | 1.1 | 8 | 14 | 44 | 1.72 |
| CC99741 | | 0.12 | 0.001 | 0.3 | 0.91 | 6 | <10 | 410 | <0.5 | <2 | 0.73 | 0.9 | 7 | 15 | 32 | 1.62 |
| CC99742 | | 0.32 | 0.001 | 0.7 | 0.92 | 8 | <10 | 310 | 0.5 | <2 | 0.76 | 1.0 | 8 | 15 | 48 | 2.02 |
| CC99743 | | 0.34 | 0.019 | 0.6 | 0.30 | 16 | <10 | 170 | <0.5 | <2 | 0.84 | 0.5 | 11 | 14 | 41 | 2.11 |
| CC99744 | | 0.30 | 0.039 | 1.0 | 0.53 | 28 | <10 | 460 | <0.5 | <2 | 0.64 | 0.5 | 14 | 16 | 66 | 2.92 |
| CC99745 | | 0.20 | 0.003 | 0.6 | 0.89 | 9 | <10 | 540 | 0.5 | <2 | 1.06 | 0.9 | 8 | 21 | 25 | 1.89 |
| CC99746 | | 0.22 | 0.004 | 0.5 | 0.98 | 12 | <10 | 520 | 0.5 | <2 | 0.93 | 0.8 | 10 | 25 | 36 | 2.08 |
| CC99747 | | 0.36 | 0.002 | 0.4 | 1.03 | 16 | <10 | 480 | 0.5 | <2 | 0.95 | 0.7 | 12 | 62 | 35 | 2.31 |
| CC99748 | | 0.32 | 0.003 | 0.4 | 0.87 | 8 | <10 | 250 | <0.5 | 2 | 0.44 | 0.7 | 9 | 29 | 24 | 1.99 |
| CC99749 | | 0.34 | 0.003 | 0.4 | 1.07 | 12 | <10 | 260 | <0.5 | <2 | 0.62 | 0.6 | 17 | 135 | 26 | 2.40 |
| CC99750 | | 0.20 | 0.005 | 0.3 | 1.22 | 12 | <10 | 250 | <0.5 | <2 | 1.15 | 0.9 | 29 | 278 | 48 | 2.80 |
| CC99620 | | 0.28 | 0.002 | 0.3 | 1.16 | 16 | <10 | 320 | 0.5 | <2 | 0.52 | 0.5 | 10 | 36 | 39 | 2.69 |
| CC99621 | | 0.06 | 0.001 | 0.5 | 0.92 | 5 | <10 | 600 | 0.6 | <2 | 2.13 | 2.2 | 5 | 16 | 50 | 1.36 |
| CC99622 | | 0.30 | 0.001 | 0.4 | 1.03 | 13 | <10 | 530 | 0.5 | <2 | 0.96 | 1.1 | 10 | 15 | 33 | 2.54 |
| CC99623 | | 0.20 | 0.003 | 0.2 | 0.97 | 8 | <10 | 360 | 0.5 | <2 | 0.62 | 0.6 | 6 | 14 | 27 | 1.96 |
| CC99624 | | 0.36 | 0.003 | 0.4 | 1.05 | 8 | <10 | 450 | 0.5 | <2 | 0.57 | 0.6 | 7 | 15 | 36 | 2.12 |
| CC99626 | | 0.34 | 0.002 | 0.2 | 1.14 | 13 | <10 | 360 | <0.5 | <2 | 0.41 | 1.1 | 11 | 59 | 29 | 2.24 |
| CC99627 | | 0.26 | 0.004 | 0.4 | 1.20 | 8 | <10 | 500 | 0.6 | 2 | 0.71 | 1.2 | 8 | 27 | 44 | 1.74 |
| CC99628 | | 0.18 | 0.002 | 0.3 | 0.93 | 10 | <10 | 320 | <0.5 | <2 | 0.53 | 1.0 | 9 | 15 | 28 | 2.19 |
| CC99629 | | 0.22 | 0.002 | 0.3 | 1.10 | 8 | <10 | 730 | 0.5 | <2 | 1.18 | 0.8 | 8 | 15 | 34 | 1.79 |
| CC99630 | | 0.18 | 0.001 | 0.3 | 1.10 | 8 | <10 | 520 | 0.5 | <2 | 0.76 | 1.3 | 14 | 17 | 25 | 2.24 |
| CC99631 | | 0.10 | 0.001 | 0.3 | 0.48 | 3 | <10 | 540 | <0.5 | <2 | 2.86 | 0.8 | 5 | 4 | 17 | 0.49 |
| CC99632 | | 0.28 | 0.002 | 0.2 | 1.15 | 9 | <10 | 380 | <0.5 | <2 | 0.60 | <0.5 | 15 | 134 | 25 | 2.37 |
| CC99633 | | 0.16 | 0.007 | 0.5 | 1.27 | 9 | <10 | 440 | 0.5 | <2 | 1.06 | 1.1 | 16 | 115 | 55 | 2.44 |
| CC99634 | | 0.18 | 0.001 | 0.3 | 0.86 | 8 | <10 | 340 | <0.5 | <2 | 0.56 | 0.5 | 5 | 14 | 22 | 1.63 |
| CC99635 | | 0.22 | 0.018 | 0.3 | 0.96 | 6 | <10 | 450 | <0.5 | <2 | 0.80 | 0.6 | 5 | 14 | 19 | 1.53 |

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Project: LOOP

# CERTIFICATE OF ANALYSIS VA10109942

| 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 |
| CC99726 | | <10 | <1 | 0.09 | 10 | 0.44 | 653 | 3 | 0.01 | 40 | 930 | 18 | 0.02 | <2 | 2 | 39 |
| CC99727 | | <10 | <1 | 0.12 | 20 | 0.48 | 320 | 3 | 0.01 | 52 | 840 | 19 | 0.02 | <2 | 3 | 39 |
| CC99728 | | <10 | <1 | 0.11 | 10 | 0.45 | 510 | 1 | 0.02 | 46 | 880 | 15 | 0.09 | <2 | 3 | 56 |
| CC99729 | | <10 | <1 | 0.10 | 10 | 0.72 | 529 | 1 | 0.02 | 52 | 760 | 15 | 0.09 | <2 | 2 | 127 |
| CC99730 | | <10 | <1 | 0.10 | 10 | 0.52 | 173 | 1 | 0.01 | 67 | 760 | 12 | 0.08 | <2 | 2 | 53 |
| CC99731 | | <10 | <1 | 0.11 | 10 | 0.48 | 1135 | 3 | 0.01 | 95 | 840 | 15 | 0.05 | <2 | 3 | 54 |
| CC99732 | | <10 | <1 | 0.11 | 10 | 0.50 | 324 | 2 | 0.01 | 49 | 870 | 15 | 0.04 | <2 | 3 | 54 |
| CC99733 | | <10 | <1 | 0.09 | 10 | 0.54 | 869 | 1 | 0.02 | 79 | 840 | 13 | 0.07 | <2 | 2 | 62 |
| CC99734 | | <10 | 1 | 0.08 | 20 | 0.46 | 333 | 2 | 0.01 | 68 | 840 | 12 | 0.01 | <2 | 3 | 31 |
| CC99735 | | <10 | <1 | 0.10 | 20 | 0.51 | 421 | 2 | 0.01 | 61 | 810 | 14 | 0.02 | <2 | 3 | 38 |
| CC99736 | | <10 | <1 | 0.10 | 10 | 0.85 | 543 | 3 | 0.02 | 121 | 870 | 15 | 0.04 | <2 | 3 | 61 |
| CC99737 | | <10 | <1 | 0.09 | 10 | 0.65 | 518 | 2 | 0.02 | 86 | 710 | 12 | 0.05 | <2 | 2 | 57 |
| CC99738 | | <10 | <1 | 0.09 | 10 | 0.32 | 633 | 6 | 0.01 | 35 | 1500 | 19 | 0.02 | <2 | 2 | 48 |
| CC99739 | | <10 | <1 | 0.09 | 10 | 0.34 | 495 | 5 | 0.01 | 24 | 940 | 17 | 0.03 | 2 | 2 | 40 |
| CC99740 | | <10 | <1 | 0.10 | 20 | 0.36 | 505 | 3 | 0.01 | 26 | 800 | 16 | 0.02 | <2 | 2 | 42 |
| CC99741 | | <10 | <1 | 0.09 | 10 | 0.36 | 628 | 3 | 0.01 | 26 | 810 | 16 | 0.02 | <2 | 2 | 41 |
| CC99742 | | <10 | <1 | 0.11 | 20 | 0.42 | 422 | 4 | 0.01 | 32 | 960 | 19 | 0.02 | <2 | 3 | 41 |
| CC99743 | | <10 | <1 | 0.05 | 10 | 0.25 | 451 | 2 | <0.01 | 48 | 420 | 16 | 0.02 | 3 | 4 | 37 |
| CC99744 | | <10 | <1 | 0.08 | 10 | 0.25 | 847 | 4 | 0.01 | 80 | 360 | 25 | 0.02 | 5 | 4 | 31 |
| CC99745 | | <10 | <1 | 0.10 | 10 | 0.58 | 491 | 2 | 0.01 | 33 | 700 | 17 | 0.05 | 2 | 3 | 53 |
| CC99746 | | <10 | 1 | 0.10 | 10 | 0.42 | 492 | 3 | 0.01 | 53 | 860 | 15 | 0.03 | <2 | 3 | 47 |
| CC99747 | | <10 | 1 | 0.09 | 10 | 0.74 | 540 | 4 | 0.02 | 118 | 770 | 14 | 0.03 | 2 | 4 | 46 |
| CC99748 | | <10 | 1 | 0.10 | 20 | 0.48 | 226 | 3 | 0.01 | 57 | 940 | 12 | 0.01 | <2 | 3 | 30 |
| CC99749 | | <10 | <1 | 0.08 | 10 | 1.51 | 321 | 2 | 0.01 | 196 | 720 | 11 | 0.02 | <2 | 5 | 34 |
| CC99750 | | 10 | <1 | 0.09 | 10 | 3.06 | 523 | 1 | 0.01 | 500 | 770 | 8 | 0.05 | 2 | 5 | 53 |
| CC99620 | | <10 | <1 | 0.11 | 20 | 0.61 | 260 | 2 | 0.01 | 53 | 900 | 13 | 0.02 | <2 | 3 | 35 |
| CC99621 | | <10 | <1 | 0.09 | 10 | 0.46 | 3200 | 6 | 0.02 | 54 | 960 | 9 | 0.15 | <2 | 1 | 87 |
| CC99622 | | <10 | <1 | 0.14 | 10 | 0.49 | 767 | 4 | 0.01 | 33 | 940 | 19 | 0.05 | <2 | 3 | 50 |
| CC99623 | | <10 | <1 | 0.10 | 20 | 0.36 | 350 | 3 | 0.01 | 24 | 880 | 14 | 0.02 | <2 | 2 | 33 |
| CC99624 | | <10 | <1 | 0.11 | 20 | 0.38 | 282 | 4 | 0.01 | 29 | 840 | 15 | 0.01 | <2 | 3 | 30 |
| CC99626 | | <10 | <1 | 0.08 | 20 | 0.71 | 145 | 2 | 0.01 | 93 | 910 | 14 | 0.01 | <2 | 3 | 29 |
| CC99627 | | <10 | <1 | 0.13 | 20 | 0.44 | 178 | 2 | 0.01 | 53 | 790 | 18 | 0.06 | <2 | 4 | 40 |
| CC99628 | | <10 | <1 | 0.11 | 20 | 0.37 | 253 | 4 | 0.01 | 32 | 930 | 15 | 0.03 | <2 | 2 | 32 |
| CC99629 | | <10 | <1 | 0.11 | 10 | 0.42 | 815 | 3 | 0.02 | 31 | 770 | 14 | 0.06 | <2 | 2 | 58 |
| CC99630 | | <10 | <1 | 0.12 | 10 | 0.42 | 1680 | 3 | 0.01 | 82 | 720 | 15 | 0.05 | <2 | 2 | 40 |
| CC99631 | | <10 | <1 | 0.02 | <10 | 0.28 | 1420 | 4 | 0.04 | 13 | 960 | 2 | 0.17 | <2 | <1 | 117 |
| CC99632 | | <10 | <1 | 0.08 | 10 | 1.37 | 459 | 2 | 0.01 | 106 | 840 | 14 | 0.02 | <2 | 4 | 33 |
| CC99633 | | <10 | <1 | 0.11 | 10 | 1.35 | 1080 | 2 | 0.01 | 321 | 810 | 12 | 0.07 | <2 | 7 | 72 |
| CC99634 | | <10 | <1 | 0.09 | 20 | 0.35 | 259 | 3 | 0.01 | 25 | 870 | 11 | 0.02 | <2 | 2 | 31 |
| CC99635 | | <10 | <1 | 0.10 | 10 | 0.40 | 236 | 2 | 0.02 | 17 | 780 | 13 | 0.05 | <2 | 2 | 38 |

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


**Finalized Date: 21- AUG- 2010**
**Account: MTT**

Project: LOOP

# CERTIFICATE OF ANALYSIS VA10109942

| Sample Description | Method Analyte Units LOR | ME- ICP41 Th ppm 20 | 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 |
|---|---|---|---|---|---|---|---|---|
| CC99726 | | <20 | 0.01 | <10 | <10 | 34 | <10 | 121 |
| CC99727 | | <20 | 0.01 | <10 | <10 | 39 | <10 | 135 |
| CC99728 | | <20 | 0.01 | <10 | <10 | 34 | <10 | 135 |
| CC99729 | | <20 | 0.01 | <10 | <10 | 33 | <10 | 89 |
| CC99730 | | <20 | 0.01 | <10 | <10 | 23 | <10 | 97 |
| CC99731 | | <20 | 0.01 | <10 | <10 | 32 | <10 | 132 |
| CC99732 | | <20 | 0.01 | <10 | <10 | 33 | <10 | 119 |
| CC99733 | | <20 | 0.01 | <10 | <10 | 29 | <10 | 114 |
| CC99734 | | <20 | 0.01 | <10 | <10 | 30 | <10 | 95 |
| CC99735 | | <20 | 0.01 | <10 | <10 | 33 | <10 | 106 |
| CC99736 | | <20 | 0.01 | <10 | <10 | 34 | <10 | 139 |
| CC99737 | | <20 | 0.01 | <10 | <10 | 29 | <10 | 95 |
| CC99738 | | <20 | 0.01 | <10 | <10 | 32 | <10 | 127 |
| CC99739 | | <20 | 0.01 | <10 | <10 | 37 | <10 | 132 |
| CC99740 | | <20 | 0.01 | <10 | <10 | 29 | <10 | 120 |
| CC99741 | | <20 | 0.01 | <10 | <10 | 28 | <10 | 105 |
| CC99742 | | <20 | 0.01 | <10 | <10 | 41 | <10 | 142 |
| CC99743 | | <20 | <0.01 | <10 | <10 | 11 | <10 | 160 |
| CC99744 | | <20 | <0.01 | <10 | <10 | 26 | <10 | 201 |
| CC99745 | | <20 | 0.01 | <10 | <10 | 33 | <10 | 88 |
| CC99746 | | <20 | 0.01 | <10 | <10 | 35 | <10 | 115 |
| CC99747 | | <20 | 0.01 | <10 | <10 | 36 | <10 | 125 |
| CC99748 | | <20 | 0.01 | <10 | <10 | 30 | <10 | 110 |
| CC99749 | | <20 | 0.01 | <10 | <10 | 34 | <10 | 105 |
| CC99750 | | <20 | 0.01 | <10 | <10 | 37 | <10 | 140 |
| CC99620 | | <20 | 0.02 | <10 | <10 | 36 | <10 | 154 |
| CC99621 | | <20 | 0.01 | <10 | <10 | 22 | <10 | 110 |
| CC99622 | | <20 | 0.01 | <10 | <10 | 35 | <10 | 166 |
| CC99623 | | <20 | 0.01 | <10 | <10 | 31 | <10 | 111 |
| CC99624 | | <20 | 0.01 | <10 | <10 | 34 | <10 | 122 |
| CC99626 | | <20 | 0.01 | <10 | <10 | 36 | <10 | 93 |
| CC99627 | | <20 | 0.01 | <10 | <10 | 38 | <10 | 140 |
| CC99628 | | <20 | 0.01 | <10 | <10 | 31 | <10 | 129 |
| CC99629 | | <20 | 0.01 | <10 | <10 | 34 | <10 | 93 |
| CC99630 | | <20 | 0.01 | <10 | <10 | 35 | <10 | 158 |
| CC99631 | | <20 | 0.01 | <10 | <10 | 9 | <10 | 22 |
| CC99632 | | <20 | 0.01 | <10 | <10 | 39 | <10 | 107 |
| CC99633 | | <20 | 0.01 | <10 | <10 | 42 | <10 | 125 |
| CC99634 | | <20 | 0.01 | <10 | <10 | 31 | <10 | 93 |
| CC99635 | | <20 | 0.01 | <10 | <10 | 32 | <10 | 89 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 21- AUG- 2010**
**Account: MTT**

Project: LOOP

# CERTIFICATE OF ANALYSIS VA10109942

| Sample Description | Method Analyte Units LOR | WEI- 21 Recvd Wt. kg 0.02 | Au- ICP21 Au ppm 0.001 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CC99636 | | 0.16 | 0.003 | 0.4 | 1.10 | 6 | <10 | 570 | 0.6 | <2 | 1.16 | 1.7 | 6 | 16 | 38 | 1.44 |
| CC99851 | | 0.12 | 0.002 | 0.3 | 0.98 | 4 | <10 | 270 | <0.5 | <2 | 1.33 | <0.5 | 17 | 159 | 32 | 1.72 |
| CC99852 | | 0.36 | 0.001 | 0.2 | 1.48 | 9 | <10 | 930 | <0.5 | <2 | 0.89 | 0.5 | 34 | 366 | 43 | 2.92 |
| CC99853 | | 0.32 | 0.002 | <0.2 | 1.74 | 7 | <10 | 240 | <0.5 | <2 | 0.70 | 0.6 | 40 | 427 | 57 | 3.76 |
| CC99854 | | 0.26 | 0.001 | <0.2 | 2.51 | 4 | <10 | 200 | <0.5 | <2 | 0.60 | <0.5 | 35 | 184 | 116 | 2.52 |
| CC99855 | | 0.30 | 0.001 | <0.2 | 3.45 | 3 | <10 | 80 | <0.5 | <2 | 0.49 | <0.5 | 59 | 644 | 51 | 3.74 |
| CC99856 | | 0.30 | <0.001 | <0.2 | 2.67 | 7 | <10 | 150 | <0.5 | <2 | 0.44 | <0.5 | 61 | 267 | 59 | 3.72 |
| CC99857 | | 0.28 | 0.003 | 0.3 | 1.64 | 11 | <10 | 270 | <0.5 | <2 | 0.63 | 0.7 | 43 | 392 | 59 | 3.46 |
| CC99858 | | 0.26 | 0.003 | 0.3 | 1.05 | 10 | <10 | 400 | <0.5 | <2 | 0.58 | 1.1 | 19 | 118 | 37 | 2.28 |

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**Finalized Date: 21- AUG- 2010**
**Account: MTT**

Project: LOOP

# CERTIFICATE OF ANALYSIS VA10109942

| 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 |
| CC99636 | | 10 | <1 | 0.12 | 10 | 0.56 | 284 | 1 | 0.02 | 33 | 880 | 15 | 0.08 | <2 | 2 | 62 |
| CC99851 | | <10 | 1 | 0.07 | 10 | 2.04 | 556 | 1 | 0.02 | 317 | 620 | 9 | 0.08 | <2 | 3 | 55 |
| CC99852 | | <10 | <1 | 0.10 | 10 | 5.05 | 521 | 1 | 0.02 | 708 | 540 | 7 | 0.05 | <2 | 6 | 41 |
| CC99853 | | <10 | <1 | 0.05 | 10 | 5.92 | 548 | 2 | 0.01 | 487 | 280 | 7 | 0.02 | 2 | 6 | 31 |
| CC99854 | | <10 | 1 | 0.04 | 10 | 5.34 | 339 | 1 | 0.02 | 706 | 400 | 3 | 0.03 | 2 | 3 | 44 |
| CC99855 | | 10 | <1 | 0.03 | <10 | 11.30 | 441 | <1 | 0.01 | 1025 | 180 | <2 | 0.02 | <2 | 3 | 31 |
| CC99856 | | 10 | <1 | 0.05 | 10 | 9.27 | 861 | 1 | 0.01 | 755 | 480 | 5 | 0.01 | 2 | 3 | 27 |
| CC99857 | | <10 | <1 | 0.07 | 10 | 7.53 | 612 | 1 | 0.01 | 781 | 510 | 7 | 0.02 | 3 | 5 | 35 |
| CC99858 | | <10 | <1 | 0.11 | 10 | 1.42 | 841 | 2 | 0.02 | 217 | 780 | 18 | 0.02 | <2 | 4 | 38 |

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**Finalized Date: 21- AUG- 2010**
**Account: MTT**

Project: LOOP

# CERTIFICATE OF ANALYSIS VA10109942

| Sample Description | Method | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 |
|---|---|---|---|---|---|---|---|---|
| | Analyte | Th | Ti | Tl | U | V | W | Zn |
| | Units | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 20 | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC99636 | | <20 | 0.01 | <10 | <10 | 38 | <10 | 121 |
| CC99851 | | <20 | 0.01 | <10 | <10 | 26 | <10 | 62 |
| CC99852 | | <20 | 0.01 | <10 | <10 | 40 | <10 | 88 |
| CC99853 | | <20 | 0.08 | <10 | <10 | 61 | <10 | 85 |
| CC99854 | | <20 | 0.01 | <10 | <10 | 20 | <10 | 45 |
| CC99855 | | <20 | 0.01 | <10 | <10 | 17 | <10 | 53 |
| CC99856 | | <20 | 0.01 | <10 | <10 | 24 | <10 | 73 |
| CC99857 | | <20 | 0.01 | <10 | <10 | 37 | <10 | 94 |
| CC99858 | | <20 | 0.01 | <10 | <10 | 34 | <10 | 120 |

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To: **STRATEGIC METALS LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 27-JUL-2010**
**Account: MTT**

## CERTIFICATE VA10098075

Project: LOOP

P.O. No.:

This report is for 42 Soil samples submitted to our lab in Vancouver, BC, Canada on 19-JUL-2010.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| JOAN MARIACHER | BILL WENGZYNOWSKI | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

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

To: **STRATEGIC METALS LTD.**
**ATTN: JOAN MARIACHER**
**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**
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Project: LOOP


**Finalized Date: 27-JUL-2010**
**Account: MTT**

# CERTIFICATE OF ANALYSIS VA10098075

| Sample Description | Method | WEI-21 | Au-ICP21 | ME-ICP41 | 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 | 0.001 | 0.2 | 0.01 | 2 | 10 | 10 | 0.5 | 2 | 0.01 | 0.5 | 1 | 1 | 1 | 0.01 |
| CC100102 | | 0.26 | 0.003 | <0.2 | 1.36 | 34 | <10 | 400 | 0.5 | <2 | 2.57 | 1.1 | 13 | 26 | 67 | 2.81 |
| CC100101 | | 0.20 | 0.003 | 0.2 | 1.30 | 17 | <10 | 500 | 0.5 | <2 | 2.08 | 1.2 | 13 | 22 | 56 | 2.64 |
| CC100338 | | 0.24 | 0.002 | 0.6 | 0.93 | 8 | <10 | 460 | <0.5 | <2 | 0.71 | 0.7 | 11 | 68 | 28 | 1.87 |
| CC100339 | | 0.16 | 0.005 | 0.7 | 1.02 | 8 | <10 | 430 | 0.5 | <2 | 0.78 | 1.2 | 7 | 22 | 39 | 1.92 |
| CC100340 | | 0.22 | 0.003 | 0.5 | 1.08 | 9 | <10 | 500 | 0.6 | <2 | 0.86 | 1.1 | 8 | 17 | 40 | 1.98 |
| CC100341 | | 0.28 | 0.002 | 0.3 | 0.97 | 8 | <10 | 350 | 0.5 | <2 | 0.69 | <0.5 | 6 | 15 | 25 | 1.81 |
| CC100342 | | 0.34 | 0.002 | 0.2 | 1.04 | 8 | <10 | 410 | 0.5 | <2 | 0.67 | 0.5 | 5 | 14 | 19 | 1.75 |
| CC100343 | | 0.18 | 0.002 | 0.4 | 0.86 | 7 | <10 | 360 | <0.5 | <2 | 0.71 | 0.7 | 8 | 13 | 21 | 1.74 |
| CC100344 | | 0.26 | 0.003 | 0.5 | 1.13 | 8 | <10 | 490 | 0.6 | <2 | 0.71 | 0.7 | 7 | 15 | 33 | 2.00 |
| CC100345 | | 0.22 | 0.001 | 0.7 | 1.12 | 10 | <10 | 480 | 0.6 | <2 | 0.74 | 0.8 | 8 | 16 | 35 | 2.20 |
| CC100346 | | 0.26 | 0.005 | 0.3 | 0.95 | 15 | <10 | 430 | 0.5 | <2 | 0.87 | 0.9 | 13 | 74 | 39 | 2.15 |
| CC100347 | | 0.20 | 0.004 | 0.5 | 0.98 | 12 | <10 | 410 | 0.5 | <2 | 0.45 | 0.5 | 8 | 22 | 25 | 2.32 |
| CC100348 | | 0.12 | 0.002 | 0.2 | 0.93 | 8 | <10 | 420 | <0.5 | <2 | 0.81 | 0.8 | 7 | 23 | 22 | 1.75 |
| CC100349 | | 0.38 | 0.002 | 0.3 | 0.96 | 7 | <10 | 320 | 0.5 | <2 | 0.68 | 1.2 | 8 | 15 | 31 | 2.00 |
| CC100350 | | 0.12 | 0.001 | 0.2 | 1.02 | 10 | <10 | 460 | 0.5 | <2 | 0.93 | 0.6 | 7 | 13 | 29 | 1.97 |
| CC100251 | | 0.18 | 0.002 | 0.5 | 1.08 | 6 | <10 | 580 | 0.5 | <2 | 0.91 | 0.7 | 6 | 14 | 30 | 1.81 |
| CC100252 | | 0.26 | 0.002 | 0.4 | 1.03 | 10 | <10 | 370 | 0.5 | <2 | 0.54 | 0.7 | 8 | 24 | 28 | 2.01 |
| CC100253 | | 0.16 | 0.006 | 0.5 | 1.12 | 8 | <10 | 500 | 0.6 | <2 | 1.35 | 1.0 | 12 | 36 | 38 | 2.00 |
| CC100254 | | 0.22 | 0.003 | 0.4 | 0.92 | 7 | <10 | 370 | 0.5 | <2 | 0.82 | 0.5 | 8 | 37 | 30 | 1.88 |
| CC100255 | | 0.22 | 0.003 | 0.6 | 0.95 | 8 | <10 | 310 | <0.5 | <2 | 1.18 | 0.5 | 14 | 87 | 33 | 1.86 |
| CC100256 | | 0.28 | 0.032 | 0.3 | 1.07 | 10 | <10 | 320 | <0.5 | <2 | 0.69 | <0.5 | 14 | 104 | 39 | 2.30 |
| CC100257 | | 0.14 | 0.001 | 0.3 | 1.06 | 10 | <10 | 670 | 0.5 | <2 | 1.33 | 1.0 | 7 | 16 | 21 | 2.06 |
| CC100258 | | 0.18 | 0.001 | 0.2 | 0.87 | 11 | <10 | 350 | <0.5 | <2 | 0.61 | 0.5 | 8 | 24 | 29 | 1.83 |
| CC100259 | | 0.20 | 0.002 | <0.2 | 0.93 | 12 | <10 | 350 | <0.5 | <2 | 0.48 | <0.5 | 10 | 48 | 23 | 2.13 |
| CC100260 | | 0.26 | 0.001 | <0.2 | 1.57 | 10 | <10 | 180 | <0.5 | <2 | 0.32 | 0.9 | 37 | 514 | 18 | 4.06 |
| CC100261 | | 0.24 | <0.001 | <0.2 | 0.14 | 4 | <10 | 50 | <0.5 | <2 | 0.05 | <0.5 | 4 | 24 | 18 | 0.94 |
| CC100262 | | 0.18 | <0.001 | 0.4 | 1.73 | 10 | <10 | 310 | <0.5 | <2 | 1.12 | 0.6 | 46 | 460 | 41 | 3.67 |
| CC100263 | | 0.28 | 0.002 | <0.2 | 1.06 | 8 | <10 | 320 | <0.5 | <2 | 0.70 | 0.5 | 18 | 165 | 19 | 2.27 |
| CC100264 | | 0.24 | 0.005 | 0.2 | 1.32 | 9 | <10 | 240 | <0.5 | <2 | 1.09 | <0.5 | 30 | 326 | 42 | 2.71 |
| CC100265 | | 0.30 | 0.003 | 0.2 | 1.08 | 6 | <10 | 260 | <0.5 | <2 | 0.80 | <0.5 | 16 | 143 | 31 | 2.03 |
| CC100266 | | 0.32 | 0.004 | <0.2 | 1.01 | 4 | <10 | 110 | <0.5 | <2 | 0.58 | <0.5 | 46 | 662 | 47 | 3.13 |
| CC100267 | | 0.24 | 0.003 | <0.2 | 1.25 | 4 | <10 | 180 | <0.5 | <2 | 0.71 | <0.5 | 35 | 402 | 39 | 2.85 |
| CC100268 | | 0.40 | 0.003 | 0.2 | 0.80 | 8 | <10 | 320 | <0.5 | <2 | 0.98 | 0.8 | 11 | 59 | 29 | 1.77 |
| CC100269 | | 0.14 | 0.003 | <0.2 | 0.97 | 10 | <10 | 330 | <0.5 | <2 | 1.06 | 0.6 | 11 | 43 | 23 | 1.88 |
| CC100270 | | 0.28 | 0.003 | 0.2 | 0.81 | 9 | <10 | 310 | <0.5 | 2 | 0.79 | 0.7 | 8 | 28 | 23 | 1.88 |
| CC100271 | | 0.14 | 0.002 | <0.2 | 0.94 | 8 | <10 | 510 | <0.5 | <2 | 1.24 | <0.5 | 8 | 17 | 17 | 1.57 |
| CC100272 | | 0.14 | 0.002 | <0.2 | 0.92 | 6 | <10 | 330 | <0.5 | <2 | 1.15 | 0.5 | 6 | 22 | 15 | 1.36 |
| CC100273 | | 0.26 | 0.001 | <0.2 | 1.07 | 11 | <10 | 470 | 0.5 | <2 | 0.72 | 0.5 | 7 | 16 | 26 | 1.88 |
| CC100274 | | 0.14 | 0.002 | 0.2 | 0.81 | 8 | <10 | 390 | <0.5 | <2 | 0.90 | 1.2 | 10 | 23 | 27 | 1.75 |
| CC100275 | | 0.22 | 0.001 | <0.2 | 0.82 | 7 | <10 | 380 | <0.5 | <2 | 1.04 | 0.7 | 6 | 27 | 21 | 1.65 |

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

Project: LOOP


**Finalized Date: 27-JUL-2010**
**Account: MTT**

# CERTIFICATE OF ANALYSIS VA10098075

| 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 |
| CC100102 | | <10 | 1 | 0.18 | 20 | 0.94 | 780 | 2 | 0.01 | 49 | 880 | 20 | <0.01 | <2 | 6 | 68 |
| CC100101 | | <10 | 1 | 0.19 | 20 | 0.91 | 742 | 2 | 0.01 | 53 | 930 | 18 | <0.01 | <2 | 4 | 68 |
| CC100338 | | <10 | <1 | 0.08 | 10 | 0.83 | 521 | <1 | 0.01 | 91 | 770 | 15 | 0.02 | <2 | 3 | 42 |
| CC100339 | | <10 | <1 | 0.11 | 10 | 0.42 | 432 | 1 | 0.01 | 37 | 830 | 17 | 0.03 | <2 | 2 | 42 |
| CC100340 | | <10 | <1 | 0.12 | 20 | 0.41 | 738 | 2 | 0.01 | 30 | 900 | 19 | 0.03 | <2 | 2 | 44 |
| CC100341 | | <10 | <1 | 0.10 | 20 | 0.39 | 377 | 2 | 0.01 | 21 | 850 | 16 | 0.02 | <2 | 2 | 37 |
| CC100342 | | <10 | <1 | 0.09 | 20 | 0.39 | 250 | 2 | <0.01 | 17 | 900 | 19 | 0.01 | <2 | 2 | 34 |
| CC100343 | | <10 | 1 | 0.10 | 10 | 0.36 | 749 | 2 | 0.01 | 23 | 750 | 14 | 0.02 | <2 | 2 | 33 |
| CC100344 | | <10 | <1 | 0.12 | 20 | 0.39 | 310 | 2 | 0.01 | 27 | 840 | 19 | 0.01 | <2 | 3 | 35 |
| CC100345 | | <10 | <1 | 0.11 | 20 | 0.39 | 463 | 2 | 0.01 | 26 | 770 | 21 | 0.01 | <2 | 3 | 37 |
| CC100346 | | <10 | <1 | 0.09 | 10 | 0.49 | 380 | 1 | 0.01 | 140 | 920 | 14 | 0.04 | 3 | 3 | 43 |
| CC100347 | | <10 | <1 | 0.09 | 20 | 0.41 | 915 | 3 | 0.01 | 35 | 850 | 16 | 0.01 | <2 | 3 | 27 |
| CC100348 | | <10 | <1 | 0.09 | 10 | 0.45 | 576 | <1 | 0.01 | 44 | 810 | 16 | 0.02 | <2 | 2 | 38 |
| CC100349 | | <10 | 1 | 0.12 | 20 | 0.45 | 538 | 3 | 0.01 | 40 | 900 | 17 | 0.01 | 2 | 3 | 30 |
| CC100350 | | <10 | <1 | 0.11 | 10 | 0.36 | 384 | 2 | 0.01 | 25 | 900 | 16 | 0.03 | <2 | 2 | 43 |
| CC100251 | | <10 | <1 | 0.11 | 10 | 0.37 | 483 | 2 | 0.01 | 31 | 820 | 15 | 0.03 | <2 | 2 | 43 |
| CC100252 | | <10 | 1 | 0.11 | 20 | 0.47 | 368 | 2 | 0.01 | 49 | 820 | 16 | 0.01 | <2 | 3 | 31 |
| CC100253 | | <10 | 1 | 0.11 | 10 | 0.54 | 1865 | 1 | 0.02 | 195 | 890 | 14 | 0.07 | <2 | 3 | 56 |
| CC100254 | | <10 | 1 | 0.09 | 10 | 0.50 | 465 | <1 | 0.01 | 130 | 760 | 15 | 0.04 | <2 | 3 | 40 |
| CC100255 | | <10 | 1 | 0.09 | 10 | 0.89 | 1125 | <1 | 0.01 | 278 | 780 | 14 | 0.06 | <2 | 3 | 50 |
| CC100256 | | 10 | 1 | 0.08 | 10 | 1.09 | 509 | 1 | 0.01 | 204 | 1000 | 12 | 0.02 | <2 | 3 | 40 |
| CC100257 | | <10 | <1 | 0.11 | 10 | 0.42 | 838 | 1 | 0.02 | 28 | 790 | 16 | 0.04 | <2 | 2 | 58 |
| CC100258 | | <10 | <1 | 0.08 | 10 | 0.37 | 223 | 4 | 0.01 | 45 | 550 | 16 | 0.01 | <2 | 2 | 31 |
| CC100259 | | <10 | <1 | 0.07 | 20 | 0.60 | 394 | 3 | <0.01 | 52 | 550 | 14 | 0.01 | <2 | 2 | 28 |
| CC100260 | | <10 | <1 | 0.04 | 10 | 3.47 | 596 | <1 | <0.01 | 213 | 140 | 7 | <0.01 | <2 | 4 | 11 |
| CC100261 | | <10 | <1 | 0.02 | <10 | 0.03 | 139 | <1 | <0.01 | 14 | 60 | 5 | <0.01 | <2 | <1 | 4 |
| CC100262 | | <10 | 1 | 0.05 | 10 | 4.23 | 1025 | <1 | 0.01 | 505 | 270 | 8 | 0.01 | <2 | 7 | 43 |
| CC100263 | | <10 | 1 | 0.08 | 10 | 1.83 | 406 | 1 | 0.01 | 177 | 500 | 11 | 0.01 | <2 | 4 | 33 |
| CC100264 | | <10 | 1 | 0.08 | 10 | 4.63 | 561 | <1 | 0.01 | 543 | 560 | 7 | 0.03 | <2 | 12 | 53 |
| CC100265 | | <10 | <1 | 0.10 | 10 | 1.91 | 440 | 1 | 0.01 | 274 | 820 | 9 | 0.03 | <2 | 4 | 50 |
| CC100266 | | <10 | 1 | 0.05 | 10 | 9.65 | 482 | <1 | 0.01 | 930 | 410 | 6 | 0.01 | <2 | 7 | 28 |
| CC100267 | | <10 | <1 | 0.07 | 10 | 6.08 | 422 | 1 | 0.01 | 632 | 440 | 7 | 0.02 | <2 | 5 | 29 |
| CC100268 | | <10 | 1 | 0.09 | 10 | 0.87 | 541 | 1 | <0.01 | 142 | 770 | 12 | 0.02 | <2 | 2 | 41 |
| CC100269 | | <10 | <1 | 0.08 | 10 | 0.65 | 532 | 1 | 0.01 | 149 | 600 | 13 | 0.04 | <2 | 3 | 45 |
| CC100270 | | <10 | <1 | 0.08 | 10 | 0.48 | 419 | 1 | 0.01 | 77 | 810 | 14 | 0.02 | <2 | 2 | 40 |
| CC100271 | | <10 | <1 | 0.08 | 10 | 0.45 | 818 | 1 | 0.01 | 26 | 750 | 15 | 0.04 | <2 | 2 | 56 |
| CC100272 | | <10 | <1 | 0.08 | 10 | 0.50 | 254 | <1 | 0.01 | 43 | 730 | 9 | 0.04 | <2 | 2 | 50 |
| CC100273 | | <10 | <1 | 0.10 | 10 | 0.39 | 451 | 2 | 0.01 | 34 | 740 | 14 | 0.02 | <2 | 2 | 38 |
| CC100274 | | <10 | <1 | 0.08 | 10 | 0.47 | 833 | 1 | 0.01 | 56 | 720 | 14 | 0.03 | <2 | 3 | 43 |
| CC100275 | | <10 | 1 | 0.08 | 10 | 0.39 | 377 | 3 | 0.01 | 38 | 920 | 12 | 0.03 | <2 | 2 | 49 |

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

Project: LOOP


**Finalized Date: 27-JUL-2010**
**Account: MTT**

## CERTIFICATE OF ANALYSIS VA10098075

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|---|
| | Analyte | Th | Ti | Tl | U | V | W | Zn |
| | Units | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 20 | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC100102 | | <20 | 0.01 | <10 | <10 | 54 | <10 | 139 |
| CC100101 | | <20 | 0.01 | <10 | <10 | 48 | <10 | 145 |
| CC100338 | | <20 | 0.01 | <10 | <10 | 30 | <10 | 95 |
| CC100339 | | <20 | 0.01 | <10 | <10 | 35 | <10 | 162 |
| CC100340 | | <20 | 0.01 | <10 | <10 | 35 | <10 | 142 |
| CC100341 | | <20 | 0.01 | <10 | <10 | 33 | <10 | 103 |
| CC100342 | | <20 | 0.01 | <10 | <10 | 34 | <10 | 108 |
| CC100343 | | <20 | 0.01 | <10 | <10 | 30 | <10 | 104 |
| CC100344 | | <20 | 0.01 | <10 | <10 | 36 | <10 | 132 |
| CC100345 | | <20 | 0.01 | <10 | <10 | 38 | <10 | 119 |
| CC100346 | | <20 | 0.01 | <10 | <10 | 38 | <10 | 106 |
| CC100347 | | <20 | 0.01 | <10 | <10 | 35 | <10 | 114 |
| CC100348 | | <20 | 0.01 | <10 | <10 | 30 | <10 | 102 |
| CC100349 | | <20 | 0.01 | <10 | <10 | 35 | <10 | 136 |
| CC100350 | | <20 | 0.01 | <10 | <10 | 33 | <10 | 122 |
| CC100251 | | <20 | 0.01 | <10 | <10 | 33 | <10 | 111 |
| CC100252 | | <20 | 0.01 | <10 | <10 | 36 | <10 | 125 |
| CC100253 | | <20 | 0.01 | <10 | <10 | 35 | <10 | 119 |
| CC100254 | | <20 | 0.01 | <10 | <10 | 32 | <10 | 93 |
| CC100255 | | <20 | 0.01 | <10 | <10 | 35 | <10 | 75 |
| CC100256 | | <20 | 0.01 | <10 | <10 | 51 | <10 | 90 |
| CC100257 | | <20 | 0.01 | <10 | <10 | 38 | <10 | 135 |
| CC100258 | | <20 | 0.01 | <10 | <10 | 32 | <10 | 116 |
| CC100259 | | <20 | 0.01 | <10 | <10 | 31 | <10 | 89 |
| CC100260 | | <20 | 0.08 | <10 | <10 | 65 | <10 | 142 |
| CC100261 | | <20 | <0.01 | <10 | <10 | 9 | <10 | 15 |
| CC100262 | | <20 | 0.02 | <10 | <10 | 61 | <10 | 70 |
| CC100263 | | <20 | 0.01 | <10 | <10 | 34 | <10 | 88 |
| CC100264 | | <20 | 0.01 | <10 | <10 | 33 | <10 | 90 |
| CC100265 | | <20 | 0.01 | <10 | <10 | 32 | <10 | 85 |
| CC100266 | | <20 | 0.01 | <10 | <10 | 39 | <10 | 56 |
| CC100267 | | <20 | 0.01 | <10 | <10 | 35 | <10 | 65 |
| CC100268 | | <20 | 0.01 | <10 | <10 | 26 | <10 | 91 |
| CC100269 | | <20 | 0.01 | <10 | <10 | 31 | <10 | 98 |
| CC100270 | | <20 | 0.01 | <10 | <10 | 29 | <10 | 98 |
| CC100271 | | <20 | 0.01 | <10 | <10 | 29 | <10 | 71 |
| CC100272 | | <20 | 0.01 | <10 | <10 | 22 | <10 | 94 |
| CC100273 | | <20 | 0.01 | <10 | <10 | 30 | <10 | 100 |
| CC100274 | | <20 | 0.01 | <10 | <10 | 30 | <10 | 115 |
| CC100275 | | <20 | 0.01 | <10 | <10 | 30 | <10 | 106 |

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**VANCOUVER BC V6B 1L8**

Project: LOOP


**Finalized Date: 27-JUL-2010**
**Account: MTT**

# CERTIFICATE OF ANALYSIS VA10098075

| Sample Description | Method Analyte Units LOR | WEI-21 Recvd Wt. kg 0.02 | Au-ICP21 Au ppm 0.001 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CC100276 | | 0.28 | 0.001 | 0.2 | 0.85 | 7 | <10 | 260 | <0.5 | <2 | 0.43 | <0.5 | 6 | 19 | 12 | 1.52 |
| CC100277 | | 0.12 | 0.004 | <0.2 | 0.89 | 11 | <10 | 360 | <0.5 | <2 | 1.25 | 0.7 | 6 | 17 | 22 | 1.55 |

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Project: LOOP


**Finalized Date: 27-JUL-2010**
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# CERTIFICATE OF ANALYSIS VA10098075

| 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 |
| CC100276 | | <10 | <1 | 0.07 | 20 | 0.38 | 203 | 2 | <0.01 | 19 | 870 | 14 | <0.01 | <2 | 2 | 27 |
| CC100277 | | <10 | <1 | 0.08 | 10 | 0.44 | 533 | 1 | 0.01 | 33 | 960 | 12 | 0.06 | <2 | 2 | 56 |

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## CERTIFICATE OF ANALYSIS VA10098075

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|---|
| | Analyte | Th | Ti | Tl | U | V | W | Zn |
| | Units | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 20 | 0.01 | 10 | 10 | 1 | 10 | 2 |
| CC100276 | | <20 | 0.01 | <10 | <10 | 31 | <10 | 85 |
| CC100277 | | <20 | 0.01 | <10 | <10 | 32 | <10 | 93 |

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 the Loop 1-50 mineral claims on claim sheets 105G/9 is accurate.

Joan Mariacher

Sworn before me at Vancouver, B.C.

this 3rd day of February 2012.

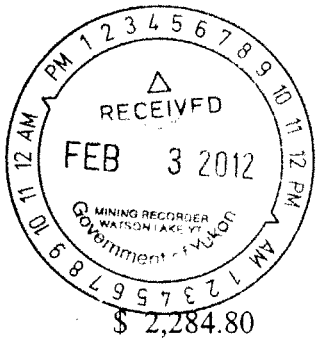
Barrister & Solicitor

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

095357

QC 20747

Statement of Expenditures
Loop 1-50 Mineral Claims
January 26, 2012




Labour

| | |
|---|---|
| R. Gibbons (field assistant) July 2011 – 5 days @ $408/day | $ 2,284.80 |
| D. Jones (field assistant) July 2011 – 6 days @ $360/day | 2,419.20 |
| C. Campbell (field assistant) July 2011 – 10 days @ $344/day | 3,852.80 |
| J. Chila (field assistant) July 2011 – 10 days @ $344/day | 3,852.80 |
| R. Merki (field assistant) July 2011 – 1 day @ $344/day | 385.28 |
| | 12,794.88 |

Expenses

| | |
|---|---|
| Field room and board – 32 days @ $125/day | 4,480.00 |
| Outbound Aviation | 16,243.04 |
| Inconnu Lodge | 6,693.75 |
| ALS Chemex | 19,658.29 |
| | 47,075.08 |

| | |
|---|---|
| Total | $59,869.96 |

095357