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ASSESSMENT REPORT  
GEOLOGICAL AND GEOCHEMICAL SURVEYS  
ON THE  
**RAM-TUT-TOT PROPERTY**

ATLIN MINING DIVISION  
NTS: 104K/08  
LONG: 132° 21'W LAT: 50° 17'N

Owned & Operated By:

**North American Metals Corp.**  
1000-700 West Pender Street,  
Vancouver, B.C.

Andrew P. Hamilton, GIT.

September 1994

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**23,552**

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## **1.0 INTRODUCTION**

The RAM-TUT-TOT property consists of eleven contiguous mineral claims, staked between 1981 and 1994. They are 100% owned by North American Metals Corp. (NAMC), an 81.4% owned subsidiary of Wheaton River Minerals Ltd. Between the dates of June 8 and June 18, 1994, an exploration program consisting of contour soil sampling, rock chip sampling and limited geological mapping was carried out on the property.

### **1.1 SCOPE OF REPORT**

This report summarizes the exploration program conducted during the 1994 field season. Much of the introductory section of this report is summarized from previous authors. Geological and geochemical data from the 1994 program is shown together with data from previous work. All known reports on the RAM-TUT-TOT property are listed in Section 6.0 of this report.

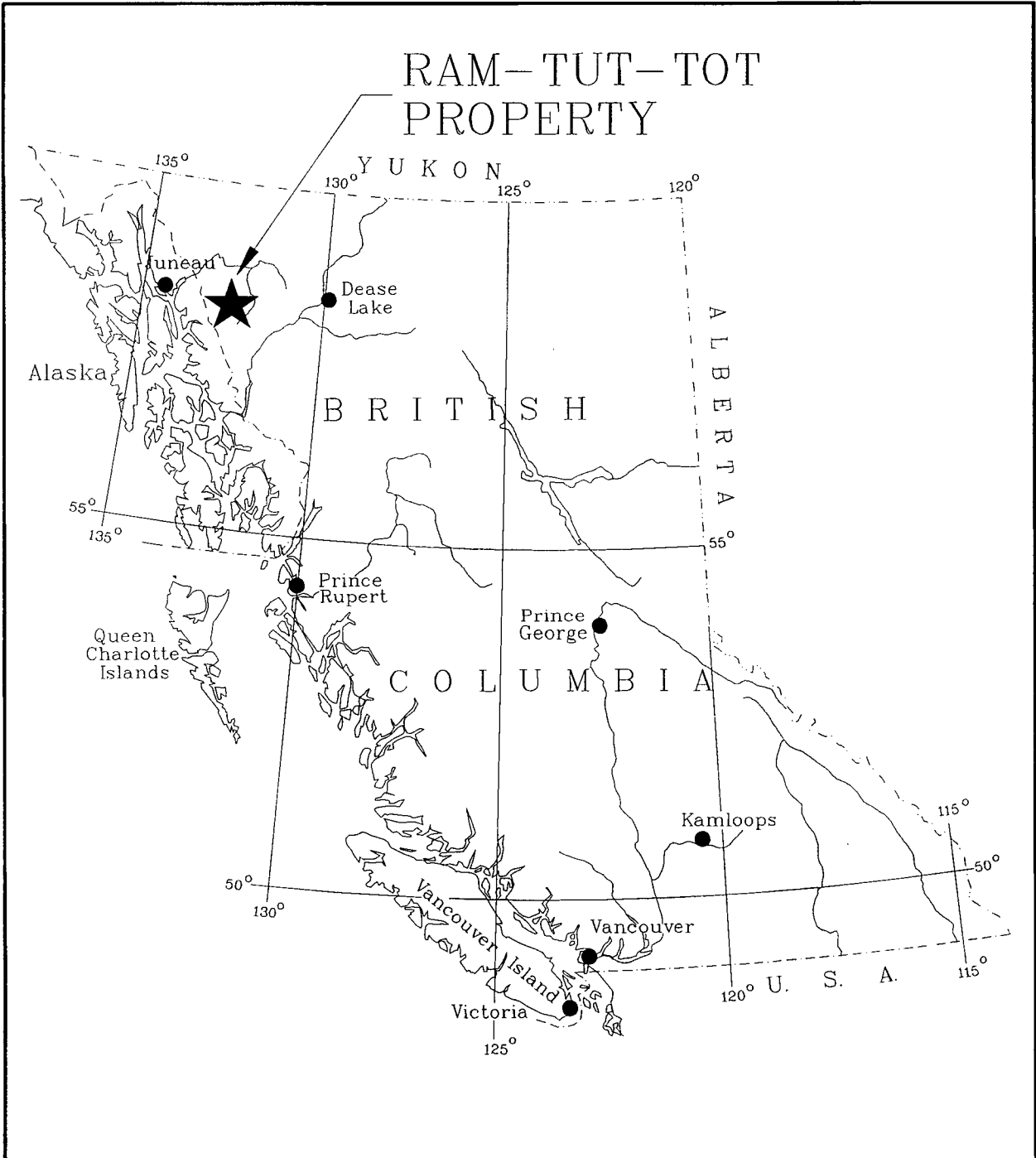
### **1.2 LOCATION, ACCESS AND PHYSIOGRAPHY**

The center of the RAM-TUT-TOT property is located at 132° 21'W and 50° 17'N on NTS map sheet 104K/08, approximately twelve kilometres north of the Golden Bear Mine and one hundred kilometres northwest of Telegraph Creek, B.C. (Figure 1). Although the two-wheel drive Golden Bear Mine road passes within ten kilometres of the southern edge of the property, access can be gained only by helicopter, usually from the Golden Bear Mine or Dease Lake.

The RAM-TUT-TOT property lies within moderately rugged terrain where elevations vary from 800 meters at Tatsamenie Lake to over 2300 meters in the southeast corner of the Tut 1 claim. Treeline occurs at approximately 1100 metres elevation, slopes are primarily talus covered, but soil horizons are developed below treeline. Little or no vegetation other than grass occurs above tree-line; while dense spruce, pine and poplar forest occur on the lower slopes. Glaciers and permanent snow are not abundant and only account for approximately 5% of the total claim area. The climate is typical for a northern mountainous area, abundant snow and freezing temperatures occur for eight months of the year. Snow melts slowly on the western and northern slopes and surface exploration can only be conducted between July and mid-September.

### **1.3 PROPERTY DEFINITION AND STATUS**

The property is comprised of eleven claims totalling one hundred and eighty-three units. All of the claims are located in the Atlin Mining Division and are recorded as listed in Table 1 and shown in Figure 2 (expiry date assumes acceptance of this report).



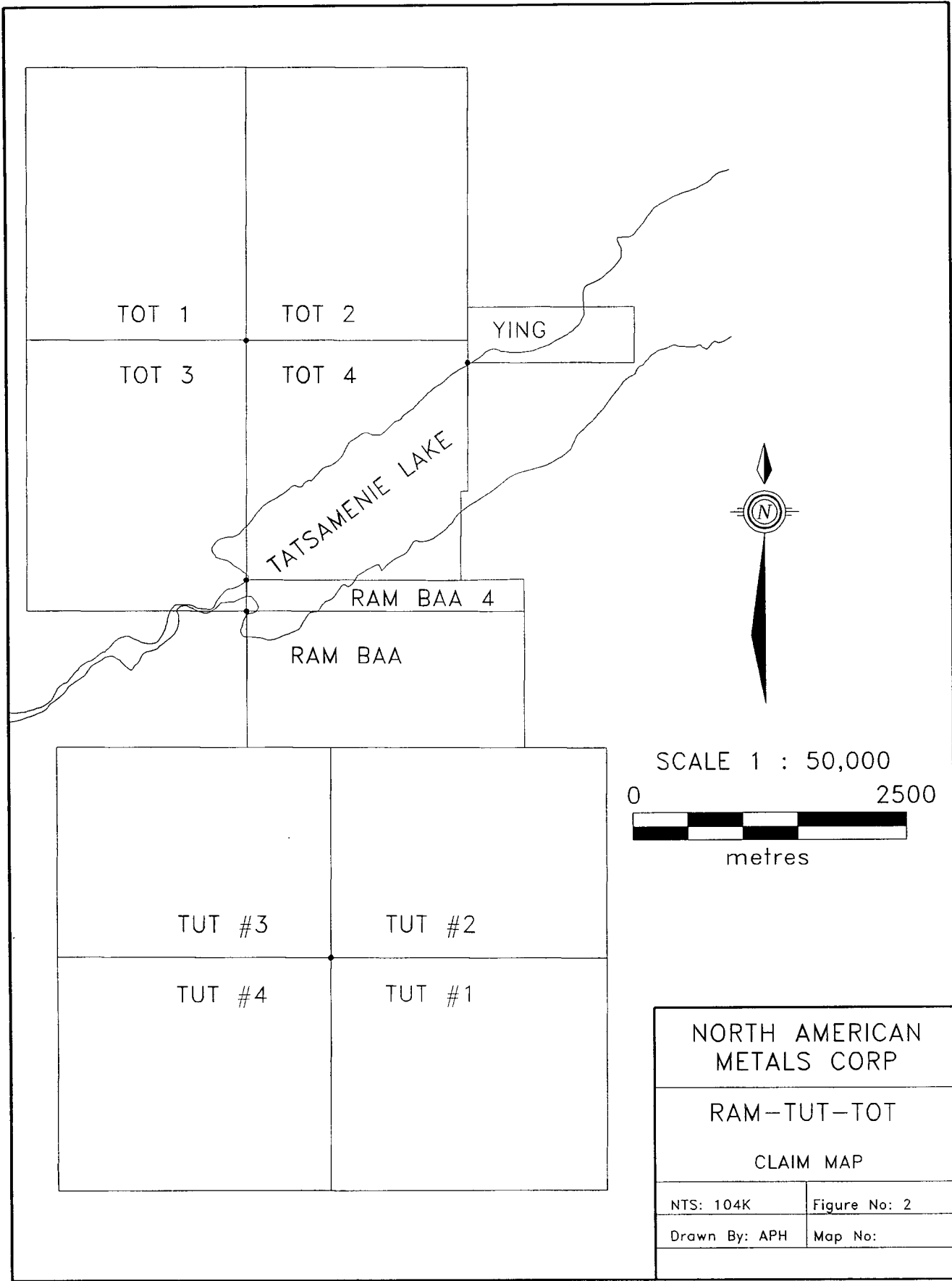
NORTH AMERICAN METALS CORP.

RAM-TUT-TOT  
PROPERTY

LOCATION MAP

N.T.S.: 104 K

Figure 1



NORTH AMERICAN METALS CORP	
RAM-TUT-TOT	
CLAIM MAP	
NTS: 104K	Figure No: 2
Drawn By: APH	Map No:

**TABLE 1: Summary of Claim Status.**

CLAIM NAME	RECORD NUMBER	UNITS	RECORD DATE	EXPIRY DATE
Ram Baa	202950	15	Oct. 2,1989	Oct. 2,1995
Ram Baa 4	328954	5	July 23,1994	July 23,1996
Tut 1	201846	20	Mar. 5,1981	Mar. 5,1996
Tut 2	201847	20	Mar. 5,1981	Mar. 5,1996
Tut 3	201848	20	Mar. 5,1981	Mar. 5,1996
Tut 4	201849	20	Mar. 5,1981	Mar. 5,1996
Tot 1	202022	20	July 4,1983	July 4,1995
Tot 2	202023	20	July 4,1983	July 4,1995
Tot 3	202024	20	July 4,1983	July 4,1995
Tot 4	202025	20	July 4,1983	July 4,1995
Ying	202400	3	July 3,1987	July 3,1996

**1.4 EXPLORATION HISTORY**

The RAM-TUT-TOT property was first staked in 1981 by Chevron Minerals Ltd. with the Tut 1-4 claims to cover an area of anomalous silt geochemistry discovered during a reconnaissance program in the southeastern Tulsequah map area (104K). The property was expanded with the addition of the Tot 1-4 claims in 1983. The Ram Baa claim was staked in 1989. The Ying claim was staked in 1987 to hold tenure in the area of the Tatsamenie Lake Base Camp. The Ram Baa 4 claim was added in 1994 to cover a fraction between the Tot 4 and Ram Baa claims.

Chevron completed a program of mapping and rock sampling on the property in 1982 (Shannon 1982, Brown and Shannon 1982) and followed up with a more thorough program of detailed geological mapping, rock and soil sampling, and minor trenching in 1983 (Brown and Walton, 1983). Further trenching and sampling was completed during 1984 (Bruaset 1984). During 1985, a student from the University of British Columbia completed a study of the albitized unit on the Tut claims (Hewgill 1985a,b). In 1987, Chevron conducted a 674m diamond drill program to test the silicified limestone contact mineralization on the Tut claims, and a narrow shear zone on the Tot 4 claim.

During 1990 Chevron and Armeno Resources Inc. entered into an option agreement. Between July and September 1990, Armeno completed a VLF EM survey and drilled 437 metres in four diamond drill holes to further evaluate the silicified limestone mineralization on the Tut claims. A compilation and discussion of all previous work on the property can be found in the report by Armeno Resources (Allen 1990).

North American Metals Corp. acquired 100% interest in the property, as part of the Asset Sale Agreement between Chevron and NAMC, prior to the 1992 field season. Homestake Canada Ltd. was contracted by NAMC to carry out the 1992 exploration program during which several known zones were re-evaluated and several new showings were discovered and evaluated.

### **1.5 WORK COMPLETED DURING 1994**

During the the 1994 field season work was carried out on the RAM-TUT-TOT property in two distinct periods. Firstly, between June 8 and June 18, 1994 a three man field crew, mobilized out of the Golden Bear minesite, camped and worked on the Tot 3 and 4 claims. Secondly, between June 29 and July 17, 1994 a total of 7 man days were spent working on the Tut claims and 6 man days were spent working on the Tot 1-4 claims. During this second period of time access to the property was gained by helicopter from the minesite.

The work on the Tot claims carried out from the field camp consisted of contour soil sampling and detailed rock chip sampling. A total of 93 soil samples and 75 rock samples were collected. This is the only work reported herein that is being applied for assessment.

Work on the Tut claims consisted of soil sampling, rock chip sampling and limited geological mapping at a scale of 1:10,000. A total of 19 soil samples and 45 rock samples were collected. This work is not being applied for assessment but is included here for completeness.

Follow up soil and rock sampling was carried out on the Tot claim group on July 15 and 16, during which 111 soil samples and 11 rock samples were collected. This work was carried out after the anniversary date of the Tot 1-4 claims and is therefore not applicable as assessment for 1994 but is included in this report for completeness.

## **2.0 REGIONAL GEOLOGY**

The regional geology in this area has been documented by Souther (1970) and recently by Brown and Bradford (1993). An alteration, mineralization and structural study of the Tatsamenie - Golden Bear area was completed by Oliver (1990). A geochronological study of the Tatsamenie Lake area was also completed by Oliver and



Gabites (1993).

The RAM-TUT-TOT property lies within the Stikine terrane, a composite terrane comprised of Paleozoic, Triassic and Jurassic island arc rocks (Figure 4). Basement rocks of the Stikine terrane are known as the Stikine Assemblage and include Devonian to Permian limestones, argillites, cherts and a variety of volcanic and epiclastic rocks. These rocks are strongly deformed and stratigraphic relationships are not well understood. The Stikine Assemblage is overlain by Upper Triassic oceanic arc rocks of the Stuhini Group both of which are crosscut by Upper Triassic and Jurassic intrusive rocks of intermediate to felsic composition. Early Tertiary intermediate to felsic subaerial volcanics, intrusives and derived sediments of the Sloko Group unconformably overlie pre-Upper Triassic and Triassic rocks. The youngest rocks in the area are basaltic flows and pyroclastics of the late Tertiary Level Mountain Group and Hearts Peak Formation. These volcanoclastics overlie glacial till and are, in part, of Pleistocene age.

### 3.0 PROPERTY GEOLOGY

The RAM-TUT-TOT property is predominantly underlain by a tightly folded package of clastic, carbonate and volcanic rocks of the pre-Upper Triassic Stikine Terrane which is in turn overlain by a thick succession of less deformed and weakly chloritic volcanoclastics of the Upper Triassic Stuhini Group. These lithologies are locally cut by diorites to quartz-diorite intrusions of Triassic age, and plagioclase  $\pm$  hornblende porphyritic dykes and fine-grained aphanitic rhyolite dykes of the Tertiary Sloko Group. A detailed description of each lithology, structure, alteration and mineralization is given below. A simplified stratigraphic column is shown on Figure 2a. Property geology and the location of mineralized zones are shown on Figure 3 (in pocket).

#### *Unknown*

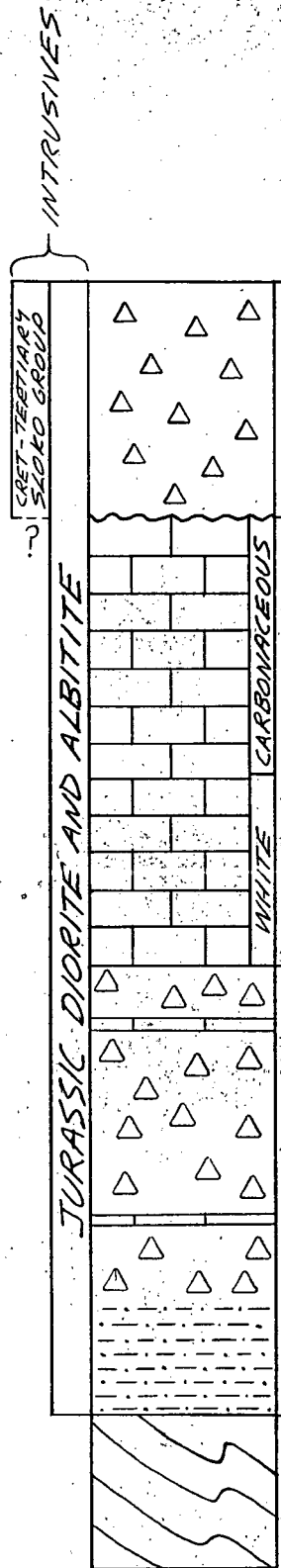
##### Ultramafic (Unit 1)

The only outcrop of this unit on the property is a thin fault-bounded lozenge on the Tot 1 claim. This unit is seen in several other locations between Tatsamenie Lake and the Golden Bear Mine, usually at higher elevations. It is always fault-bounded and probably thrust over younger Stikine Assemblage rocks. The ultramafic unit is strongly altered to serpentine  $\pm$  carbonate  $\pm$  talc, but small, isolated pods of acicular actinolite needles occur locally. Despite alteration, this unit possesses a strong remnant magnetism.

#### *Pennsylvanian*

##### Phyllites and Metavolcanics (Unit 2)

This unit is comprised of phyllitic siltstone and felsic to mafic metavolcanoclastics. Howe and Reddy (1993) divided the local section into 100-200 metres of well-bedded siltstone overlain by approximately 800



STUHINI GROUP - UPPER TRIASSIC

INTERMEDIATE TO MAFIC VOLCANICLASTICS

UNCONFORMITY

STIKINE ASSEMBLAGE - PERMIAN

LIMESTONE

- MASSIVE WHITE

- BEDDED, GREY CARBONACEOUS

STIKINE ASSEMBLAGE - PENNSYLVANIAN

PHYLITES AND METAVOLCANICS

- 200m BASAL SILTSTONE OVERLAIN  
BY VOLCANICLASTICS WITH MINOR  
INTERBEDDED CARBONATE.

ULTRAMAFICS  
(AGE UNKNOWN)

NORTH AMERICAN  
METALS CORP

RAM-TUT-TOT  
STRATIGRAPHIC COLUMN

NTS: 104K

Figure: 2a

metres of poorly bedded volcanoclastic with minor interbedded clastic units including carbonate layers. Folding and/or faulting may have artificially increased the thickness of this unit which typically exhibits a well developed penetrative fabric relative to overlying units. Most of the package has a phyllitic texture and an alteration assemblage dominated by quartz, sericite and chlorite. The volcanic rocks vary from light buff to medium to pale green in color and contain very fine-grained euhedral pyrite and specular hematite as disseminations. Bedding parallel and cross-cutting quartz veins and veins are common throughout the unit and locally contain coarse potassic feldspar, specularite and muscovite.

To date most work has treated this unit as being stratigraphically younger than the limestone unit. Regionally however, this package has been identified as being stratigraphically lower than the limestones (Oliver and Gabites, 1993), therefore the phyllite and metavolcanic unit must have been thrust over the carbonates. Bradford and Brown (1993) have mapped the limestone phyllite contact as a thrust and have a zircon date of 302 Ma from a felsic unit from within the package. Oliver (1993) obtained U-Pb zircon dates very close to this number. In addition Bruaset (1984) mapped outcrops of this unit in the core of the Tatsamenie anticline on the Tot 3 claim underlying the limestones as well as above the limestones. These observations were confirmed in the field in 1994.

### *Permian*

#### Limestone (Unit 3)

This unit has an estimated thickness of 1000m (Howe and Reddy, 1993) and has been folded into a north-northwest trending antiform. Two varieties of limestone have been mapped: massive, white, thick bedded, grey weathering, recrystallized limestone or marble in the core of the antiform, and an overlying grey weathering, carbonaceous thin bedded limestone. Conodont samples from the limestone have been age-dated by Brown and Bradford (1993) of the BCMEMPR-Geological Survey Branch and confirm the Permian age for the unit.

### *Upper Triassic - Stuhini Group*

#### Mafic to Intermediate Volcaniclastics (Unit 4)

The mafic volcaniclastic rocks of the Stuhini Group appear to be andesitic in composition based on thin section analyses from similar units to the south of Tatsamenie Lake. Textures vary from fine-grained ash tuff to coarse crystal-lithic tuff and coarse-grained, augite porphyritic flows. This unit is typically medium to dark green, unfoliated and weakly chloritized with primary textures and mineralogy well preserved. Trace amounts of fine-grained, euhedral pyrite are disseminated throughout the

volcaniclastics. Iron carbonate alteration occurs locally as fracture controlled veins or weak to moderate replacement of the pyroclastic matrix. Bedding attitudes are usually shallow dipping towards the east. Well bedded volcaniclastics can be seen in the eastern portion of the Tut 2 claim.

Fine-grained mafic sills intrude the Stikine Assemblage phyllites below the unconformable contact with the Stuhini volcaniclastics on the Tut claims. Although these sills are not plagioclase or hornblende-phyric, they are weakly altered, undeformed and may be genetically and temporally related to the Stuhini volcanics.

### *Jurassic*

#### Diorite (Unit 6a)

This unit outcrops in several locations on the RAM-TUT-TOT property and is typically coarse-grained hornblende  $\pm$  plagioclase porphyritic in a plagioclase matrix. The diorite is unaltered, unfoliated and postdates Stuhini volcaniclastic rocks (Plate 2). Narrow contact zones of intense iron carbonate alteration are common near these contacts.

#### Albitite (Unit 6b)

This unit only outcrops on the Tut 2 claim. It is probably a sodium metasomatized variety of the Jurassic diorite (Hewgill 1985), resulting from a late magmatic process occurring in magmatic bodies with a high degree of volatiles and the correct chemistry and was caused by the evolution of a volatile phase.

### *Tertiary - Cretaceous*

#### Sloko Group Basalt Dykes

This unit only outcrops in one location on the Tot 3 claim at the contact between the Permian limestones and the Stuhini volcanics. Basalt dykes of the same group have been observed in this structural position within the Bear Main deposit to the south.

## **3.1 STRUCTURE**

The oldest structural feature is the Tatsamenie Antiform which trends roughly north-northwest through the property (see Figure 3). The bedding on the eastern limb is shallowly east dipping and may have been truncated by the thrust fault at the limestone/phyllite contact on the Tut 2 claim (Bradford and Brown, 1993).

Northeast trending extensional faults exist along Tatsamenie Lake and a graben

structure is developed along Tatsamenie Lake valley. Very late east-northeast trending structures cross-cut the extensional faults and are the locus for some silicification at the north end of the Limestone Contact Zone on the Tut claims.

### **3.2 ALTERATION**

Alteration associated with mineralization occurs mainly as silicification in both brecciated limestones close to the limestone/phyllite contact and as silicified shears or fault structures wholly within the phyllites. The breccias are completely silicified, typically dark grey to black with fragments of limestone and phyllite. Fine cockscomb quartz is common between breccia fragments. The overlying phyllites are often quartz veined with narrow limestone interbeds, if present, being selectively silicified. Locally the limestones are dolomitized in addition to being silicified (Bruaset, 1984). The best example of this is to the north of the Limestone Contact Zone in close proximity to faulting.

Iron carbonate is common within the volcanics peripheral to quartz-sulphide veining.

### **3.3 MINERALIZATION**

Gold mineralization on the RAM-TUT-TOT property is strongly associated with silicification, which is quite possibly related to a single mineralizing event but appears to have manifested itself differently depending on the lithology and competency of the host rock. There are two primary modes of occurrence :

- pervasively silicified and locally brecciated limestone with pyrite, arsenopyrite, anomalous silver and antimony, and localized gold mineralization.
- Quartz veining and/or silicified shear zones with stibnite, arsenopyrite  $\pm$  base metal mineralization.

Work to date has outlined three main zones of mineralization: the Limestone Contact Zone (LCZ); the Tut Zone (the silicification surrounding the fault at the north end of the LCZ); and the Tot Zone.

## **4.0 DISCUSSION AND RESULTS OF THE 1994 EXPLORATION PROGRAM**

The following section discusses the results of work carried out during the 1994 field season. Attention was focussed on three areas: the Limestone Contact Zone, the West Zone (located on the Tot 3 claim at the west end of Tatsamenie Lake) and the Tot Zone. The nature and purpose of work carried out on each zone is as follows:

- Limestone Contact Zone: prospecting, rock sampling and minor soil sampling aimed at tracing the geologically favorable limestone phyllite contact to the south.
- West Zone: contour soil sampling and rock sampling over the Permian limestone and

overlying phyllites to assess the area for mineralization similar to that occurring in the Limestone Contact Zone

-Tot Zone: detailed rock chip sampling of silicified shear zones in order to define diamond drill targets on the Tot 4 claim and contour soil sampling on the Tot 1 and 2 claims in order to trace the mineralized zone to the north.

The location of each area is shown on Figure 3 and 1994 field data is displayed on Figures 4 through 7.

#### **4.1 GEOCHEMICAL AND ANALYTICAL PROCEDURES**

All soil and talus samples were collected using long bladed shovels from depths between 15 and 30 centimetres. Where possible B horizon soils were collected, however soil development was often poor and talus fines were taken instead. The material was placed in kraft waterproof bags and dried. Rock samples were collected from float, and as grab samples and continuous chip samples from outcrop, and placed in plastic bags. All samples were shipped to Chemex Labs in Vancouver for analysis.

At Chemex Labs soil samples were dried and sieved to -80 mesh, all talus and rock samples were dried and ring milled to approximately -150 mesh. All samples were subjected to an analytical package that includes 32 element ICP, gold by AA and mercury by cold vapour. All assay results are listed in Appendix I and the details of the analytical procedure, including detection limits, are given in Appendix II. Soil and rock sample locations are plotted on Figures 4 and 6 respectively. Plotted results are shown on Figures 5 and 7.

#### **4.2 LIMESTONE CONTACT ZONE**

The Limestone Contact Zone (LCZ) is a 1.5 kilometre long zone of silicification and brecciation within the Permian limestone. The zone follows the limestone/phyllite thrust contact on the Tut 2 claim and consists of a multi-lithic tectonic breccia with fragments of tuff, limestone and siltstone in a matrix of silica, pyrite and fine black sulphides (Reddy, 1993). Gold values of up to 7,020 ppb were obtained from samples collected by Bruaset (1984).

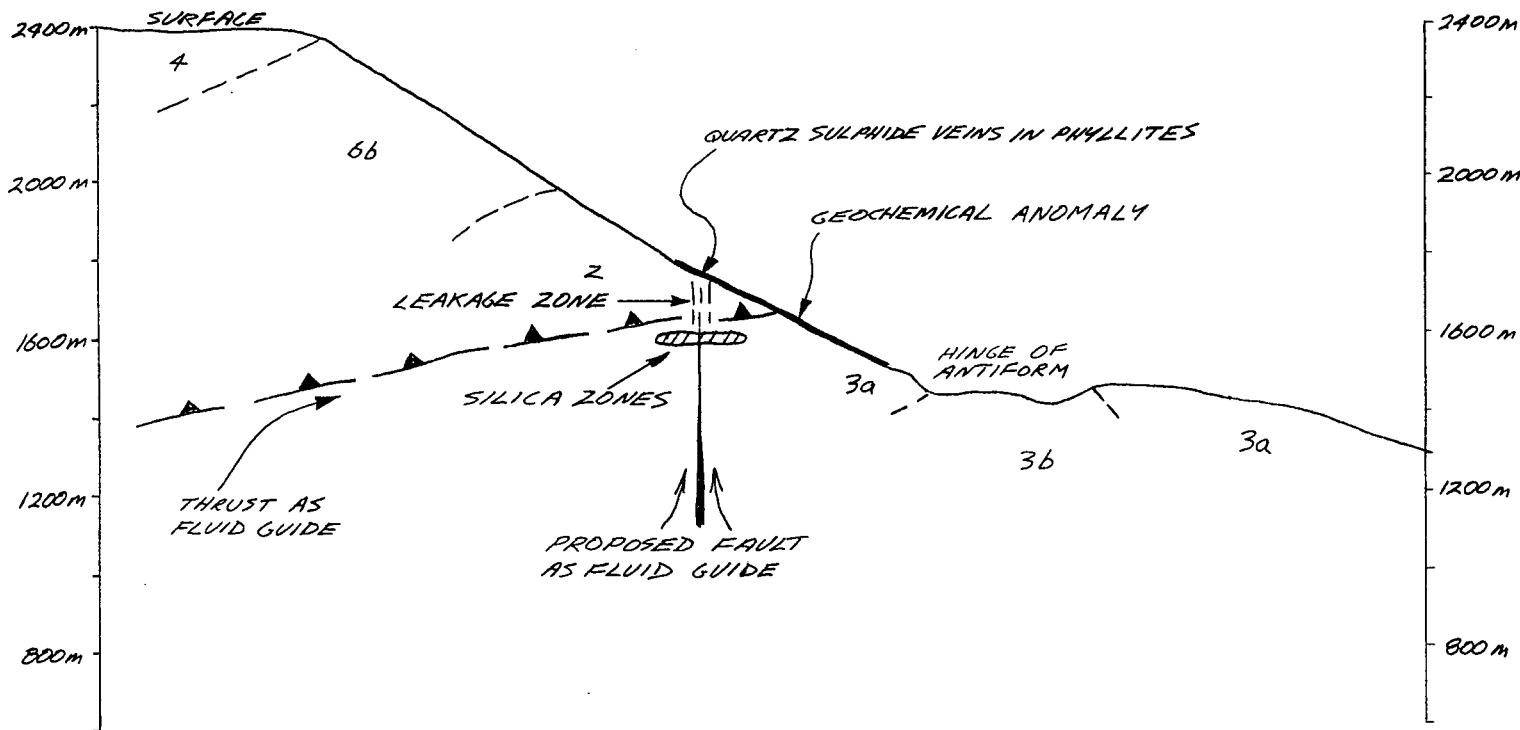
A 900 x 400 metre gold, arsenic, antimony soil anomaly originates in the phyllitic siltstone above the contact and is caused, in part, by quartz-sulphide veins within the siltstone. Chevron geologists hypothesized that the manto-like silicified zone was fed by fluids from a vertical feeder zone within the limestones and that there was leakage of fluids into the overlying phyllites. The thrust itself may also have acted as a fluid conduit (see cross section - Figure 2b).

Chevron Canada Resources Ltd. (1987) and Armeno Resources Inc. (1990) have drilled a total of 6 holes to partly test the LCZ. Values returned include 1.38 g/t Au over 4.76m, 2.10 g/t Au over 1.75m, and 1.30 g/t Au over 2.0m. None of

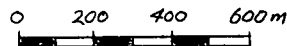
SECTION LOOKS SOUTH

EAST

WEST



- 6b ALBITITE SILL
- 4 INTERMEDIATE TO MAFIC VOLCANICS
- 3 LIMESTONE
- 3a - CARBONACEOUS
- 3b - WHITE
- 2 PHYLITE



NORTH AMERICAN METALS CORP

RAM-TUT-TOT  
SCHEMATIC CROSS SECTION  
LIMESTONE CONTACT ZONE

NTS: 104K

Figure: 2b

the holes have tested very far down dip and drill spacing is at least 200m (Reddy, 1993).

The Limestone Contact Zone is truncated at its north end by an east-northeast trending fault around which exists an area of silicification in limestones that is known as the Tut Zone. Surface samples from this area have returned values of up to 1.6 gpt Au (Walton, 1985) from within silicified limestones and up to 3900 ppb Au over 1.1 metres from within dolomitized limestone (Reddy, 1993).

Chevron drilled a single hole through the east-northeast fault and assays up to 275 ppb over 0.95 metres were returned from a 10.0 m intersection of silicified limestone.

During the **1994 program** prospecting to the south of the Limestone Contact Zone located a silicified limestone outcrop with overlying phyllites containing silicified shears and limestone lenses. This area is now referred to as the LCZ Extension. Mineralization in the limestones consisted of sparse, fine grained, euhedral pyrite with a trace of very fine dark grey sulphides. The phyllites host narrow, silicified, pyritic shear zones with minor quartz veining. Several of the limestone lenses were found to be silicified and carrying strongly disseminated pyrite, lesser chalcopyrite and tetrahedrite, and malachite.

Rock samples of LCZ Extension silicified limestone failed to return any significant gold, the highest value being 75 ppb Au, however only very limited outcrop is exposed. Of 17 samples collected from silicified shears in the phyllites 3 returned strongly anomalous results:

- Sample #1154 - 2000 ppb Au over 1.8m

- Samples #1144 & 1145 - 1130 ppb Au weighted average over 3.0m

5 samples from silicified limestone lenses within the phyllites were strongly anomalous in Ag, As, Cu, Sb and Hg, however the lenses are of very limited size (less than 10m long and 3m wide).

A single, short contour soil line of 19 samples at 10m spacing, aimed at tracing the silicified limestone returned 7 values between 70 and 225 ppb Au. It is uncertain whether these anomalous results represent the contact zone or downhill dispersion from mineralization in the overlying phyllites.

#### **4.3 WEST ZONE**

The West Zone is underlain by the Permian limestones and the phyllite package and represents the same environment as in the LCZ across the lake to the south. Silicification in the limestones was not observed. Mineralization within the phyllites consists of narrow, short (<100m), silicified shears and silicic "patches" containing trace to three percent disseminated pyrite.



Contour soil lines were placed every 100m vertically across the zone and sampled at 50m spacing. During subsequent follow up sampling the two lowest lines were filled in at 25m spacing and two additional contour lines at 25m spacing were placed between the earlier work.

Contouring the results at 50 ppb Au outlines two geochemical anomalies with values commonly greater than 100 ppb and up to 1700 ppb Au (Figure 5). Field inspection of these areas indicates that they originate from zones of patchy and poddy silicification and pyrite mineralization within the phyllites. One grab sample from a silicic, pyritic pod 20 centimetres in size ran 5300 ppb Au and a second grab from a silicic, pyritic outcrop ran 1900 ppb Au (Figure 7). Other samples from this zone failed to return gold values. Sufficient outcrop is present within the area to indicate that no mineralized zones of significant size are present.

#### 4.4 TOT ZONE

The Tot Zone consists of an approximately 800 metre long, north-south trending zone of en echelon, silicified shear zones within felsic metatuffs. Mineralization present includes minor quartz veining, disseminated pyrite and minor arsenopyrite. Two samples collected in 1981 returned values of 4,125 and 4,005 ppb Au. A trench blasted in 1983 at the 900m elevation returned 4.5 g/t Au over 2.0m and a second trench, blasted at 1100m elevation in 1984, returned 3.92 g/t Au over 2.42m.

In 1987 Chevron drilled a single hole at the 1100m elevation. Two anomalous zones were intersected returning values of 2.5 g/t Au over 3.05m and 3.80 g/t Au over 2.26m.

Detailed rock chip sampling was carried out in 1994 on the Tot 3 and 4 claims from Tatsamenie Lake at 770m elevation up to the top of the mountain at 1700m elevation. Above 1400m mineralization was found to consist primarily of narrow (< 1.0m) quartz-carbonate veins that carry trace to 2% disseminated pyrite. Gold was not detected in 20 samples collected from these veins.

Below 1400m elevation 42 rock chip samples were collected from silicic shear zones including 4 from the 1983 Chevron trench, 26 of which returned anomalous values greater than 100 ppb gold. 8 samples ran greater than 1000ppb Au as summarized below:

- Samples #1226 & 1227 - 3150 ppb Au weighted average over 0.8m.
- Sample #1245 - 1800 ppb Au over 0.5m.
- Samples #1276 & 1279 - 2350 ppb Au weighted average over 2.0m
- Samples #1279 & 1280 - 2840 ppb Au weighted average over 1.9m.

-Sample #1288 - 2800 ppb Au grab sample.

It must be noted that much of the Tot Zone is on very steep ground including a deep, narrow gully that is not accessible on foot between 950m and 1100m elevation. Several of the strongest and most persistent shears within the zone lie in this area and remain untested. Rock climbing equipment would be needed to reach and sample these shears.

Two contour soil lines were run on the north facing slope on the Tot 1 and 2 claims in an effort to locate the northern extension of the Tot shear zone. Several anomalous gold values were returned on the uppermost line at 1450m elevation, however no values were returned on the lower line and the anomaly is closed off upslope (see Figure 5).

## 5.0 SUMMARY AND RECOMMENDATIONS

Work during 1994 was designed to evaluate three areas: the southern extension of the Limestone Contact Zone, the West Zone and the Tot Zone. LCZ style mineralization was located at the LCZ extension, however no gold was detected in the limestones and only erratic values were returned from silicic shears in the overlying phyllites. Anomalous soil and rock values were found in the West Zone phyllites related to very patchy mineralization, but no mineralization was detected in the limestones. Chip sampling in the Tot Zone returned the most consistent gold values with results up to 2840 ppb Au over widths up to 2.0m.

Recommendations for future work on the Ram-Tut-Tot property are as follows:

- Limestone Contact Zone: a thorough assessment of surface and diamond drill hole data should be made in order to define drill targets for both the LCZ and Tut Zones.
- LCZ Extension: no further work is recommended for this zone.
- West Zone: no further work is recommended for this zone.
- Tot Zone: untested shears should be sampled through the use of rock climbing equipment and drill targets defined.

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**APPENDIX I**

(1994 Geochemical Assay Certificates)



# Chemex Labs Ltd.

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NORTH AMERICAN METALS CORP.  
 EXPLORATION GOLDEN BEAR MINE  
 1500 - 700 W. PENDER ST.  
 VANCOUVER, BC  
 V6C 1G8

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 P.O. Number : EX441622  
 Account : DRRR

Project : RAM-TUT-TOT  
 Comments : CC: ANDREW HAMILTON

## CERTIFICATE OF ANALYSIS A9419408

SAMPLE	PREP CODE	Au-AA ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
1123	205 274	< 5	0.8	0.82	290	1270	1.5	< 2	8.62	< 0.5	28	114	57	3.70	< 10	1	0.55	< 10	4.43	955
1124	205 274	145	< 0.2	0.38	212	1210	0.5	< 2	0.50	0.5	< 1	59	2	0.74	< 10	< 1	0.27	20	0.19	75
1125	205 274	5	< 0.2	0.39	1460	260	0.5	< 2	0.04	< 0.5	< 1	73	1	0.63	< 10	< 1	0.27	20	0.02	30
1226	205 274	3300	< 0.2	0.42	306	330	0.5	< 2	0.12	< 0.5	< 1	65	2	1.07	< 10	< 1	0.32	10	0.03	40
1227	205 274	2900	< 0.2	0.54	530	240	1.0	< 2	0.35	< 0.5	< 1	99	6	1.61	< 10	< 1	0.30	20	0.07	55
1228	205 274	120	< 0.2	0.45	480	1040	1.0	< 2	0.80	< 0.5	< 1	88	2	1.11	< 10	< 1	0.30	20	0.02	95
1229	205 274	35	< 0.2	0.42	56	1830	< 0.5	< 2	0.02	< 0.5	< 1	94	4	0.65	< 10	< 1	0.31	20	0.01	10
1230	205 274	15	< 0.2	0.39	56	840	< 0.5	< 2	0.01	< 0.5	< 1	95	2	0.59	< 10	< 1	0.29	30	0.01	5
1231	205 274	15	< 0.2	0.51	84	710	< 0.5	< 2	0.03	< 0.5	< 1	70	1	0.72	< 10	< 1	0.31	20	0.02	10
1232	205 274	5	0.6	0.03	194	570	< 0.5	< 2	0.07	< 0.5	1	253	2880	0.99	< 10	1	0.02	< 10	0.01	60
1233	205 274	370	0.2	0.46	1115	350	0.5	< 2	0.86	< 0.5	1	73	52	1.58	< 10	< 1	0.32	20	0.02	205
1234	205 274	650	0.2	0.56	524	760	< 0.5	< 2	0.02	< 0.5	< 1	91	22	0.94	< 10	< 1	0.34	30	0.01	10
1235	205 274	385	0.2	0.56	68	260	0.5	< 2	0.33	< 0.5	2	79	25	1.98	< 10	< 1	0.35	30	0.01	105
1236	205 274	120	< 0.2	0.63	146	210	0.5	< 2	0.10	< 0.5	< 1	110	13	1.65	< 10	< 1	0.38	30	0.03	35
1237	205 274	920	0.8	0.47	108	540	0.5	< 2	0.96	< 0.5	1	121	55	1.78	< 10	< 1	0.29	20	0.02	125
1238	205 274	500	0.2	0.43	84	660	1.0	< 2	0.79	< 0.5	1	82	9	1.64	< 10	< 1	0.29	20	0.02	170
1239	205 274	125	< 0.2	0.47	210	910	1.0	< 2	1.17	< 0.5	< 1	91	7	1.43	< 10	< 1	0.31	20	0.05	250
1240	205 274	25	0.2	0.14	4	230	< 0.5	< 2	0.37	< 0.5	< 1	196	9	1.35	< 10	< 1	0.13	< 10	0.01	85
1241	205 274	< 5	< 0.2	0.51	2110	750	0.5	< 2	0.14	< 0.5	< 1	98	2	1.09	< 10	< 1	0.38	20	0.01	45
1242	205 274	< 5	< 0.2	0.39	162	1830	0.5	< 2	2.58	< 0.5	< 1	108	2	1.27	< 10	< 1	0.27	20	0.03	630
1243	205 274	275	< 0.2	0.54	262	970	0.5	< 2	0.07	< 0.5	< 1	109	3	1.39	< 10	< 1	0.32	20	0.02	55
1244	205 274	750	< 0.2	0.53	240	2540	0.5	< 2	1.08	< 0.5	< 1	101	2	1.22	< 10	< 1	0.34	30	0.02	255
1245	205 274	1800	< 0.2	0.55	456	1440	0.5	< 2	0.19	< 0.5	< 1	116	3	1.73	< 10	< 1	0.36	20	0.02	180
1246	205 274	< 5	< 0.2	0.75	2	40	< 0.5	< 2	7.06	< 0.5	21	22	66	5.50	< 10	1	0.22	< 10	2.40	775
1247	205 274	20	< 0.2	1.87	< 2	80	< 0.5	< 2	6.88	< 0.5	25	30	43	6.29	< 10	1	0.29	< 10	2.48	840
1248	205 274	< 5	< 0.2	0.90	30	10	< 0.5	2	9.21	< 0.5	25	19	260	5.93	< 10	5	0.10	< 10	3.43	835
1249	205 274	< 5	< 0.2	1.01	8	30	< 0.5	< 2	5.04	< 0.5	25	29	96	6.48	< 10	< 1	0.12	< 10	1.71	755
1250	205 274	< 5	0.2	1.14	16	30	< 0.5	< 2	6.05	< 0.5	44	27	179	8.89	< 10	< 1	0.09	< 10	2.17	905
1251	205 274	< 5	< 0.2	0.93	14	40	< 0.5	< 2	5.98	< 0.5	26	23	50	6.57	< 10	< 1	0.09	< 10	2.29	825
1252	205 274	< 5	< 0.2	1.05	2	20	< 0.5	2	4.02	< 0.5	29	27	61	7.22	< 10	< 1	0.11	< 10	2.07	725
1253	205 274	< 5	< 0.2	0.79	436	560	< 0.5	< 2	6.13	< 0.5	14	30	55	3.99	< 10	1	0.19	< 10	2.58	1215
1254	205 274	< 5	< 0.2	0.12	568	40	< 0.5	< 2	>15.00	< 0.5	3	4	7	2.27	< 10	1	0.04	< 10	8.92	3340
1255	205 274	< 5	< 0.2	0.17	3650	610	< 0.5	< 2	>15.00	< 0.5	4	6	10	3.04	< 10	5	0.08	< 10	8.08	2450
1256	205 274	< 5	< 0.2	0.30	26	1910	< 0.5	< 2	9.63	< 0.5	20	50	8	4.03	< 10	1	0.16	< 10	4.39	1385
1257	205 274	< 5	< 0.2	0.53	54	730	< 0.5	< 2	9.31	< 0.5	28	49	9	5.18	< 10	1	0.26	< 10	4.31	965
1258	205 274	< 5	< 0.2	0.18	1325	60	< 0.5	< 2	>15.00	< 0.5	7	11	14	4.16	< 10	3	0.06	< 10	7.66	1535
1259	205 274	< 5	0.2	0.50	850	60	< 0.5	< 2	5.13	< 0.5	7	26	24	3.43	< 10	1	0.27	< 10	2.10	700
1260	205 274	< 5	< 0.2	0.42	>10000	30	< 0.5	< 2	1.38	< 0.5	9	42	82	6.22	< 10	70	0.27	< 10	0.63	210
1261	205 274	< 5	0.4	0.26	>10000	50	< 0.5	< 2	0.34	< 0.5	1	80	31	7.11	< 10	104	0.18	< 10	0.06	70
1262	205 274	< 5	< 0.2	0.42	1745	450	1.0	2	3.31	< 0.5	9	67	13	2.43	< 10	1	0.26	< 10	1.01	455

CERTIFICATION: Hart Buchler



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Project : RAM-TUT-TOT  
 Comments : CC: ANDREW HAMILTOM

## CERTIFICATE OF ANALYSIS A9419408

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Hg ppb
1123	205 274	< 1	< 0.01	157	1110	222	< 2	15	636	< 0.01	< 10	10	60	< 10	76	180
1124	205 274	< 1	< 0.01	4	30	96	< 2	< 1	52	< 0.01	< 10	< 10	1	< 10	206	850
1125	205 274	< 1	< 0.01	< 1	30	26	< 2	< 1	12	< 0.01	< 10	< 10	1	< 10	12	50
1226	205 274	< 1	< 0.01	2	20	32	30	< 1	17	< 0.01	< 10	< 10	< 1	< 10	16	320
1227	205 274	< 1	< 0.01	2	30	28	8	< 1	25	< 0.01	< 10	< 10	1	< 10	14	360
1228	205 274	2	< 0.01	3	10	6	< 2	< 1	88	< 0.01	< 10	< 10	1	< 10	12	290
1229	205 274	3	< 0.01	< 1	30	16	< 2	< 1	36	< 0.01	< 10	< 10	< 1	< 10	26	180
1230	205 274	7	< 0.01	1	40	8	2	< 1	21	< 0.01	< 10	< 10	< 1	< 10	6	60
1231	205 274	1	< 0.01	< 1	30	4	< 2	< 1	12	< 0.01	< 10	< 10	< 1	< 10	14	10
1232	205 274	2	< 0.01	3	< 10	< 2	390	< 1	27	< 0.01	< 10	< 10	1	< 10	76	1100
1233	205 274	2	< 0.01	2	20	2	< 2	< 1	16	< 0.01	< 10	< 10	1	< 10	16	250
1234	205 274	3	< 0.01	1	50	6	2	< 1	10	< 0.01	< 10	< 10	< 1	< 10	6	330
1235	205 274	9	< 0.01	1	30	2	4	< 1	17	< 0.01	< 10	< 10	< 1	< 10	8	360
1236	205 274	2	< 0.01	1	40	< 2	< 2	< 1	9	< 0.01	< 10	< 10	1	< 10	12	130
1237	205 274	2	< 0.01	3	30	2	12	< 1	26	< 0.01	< 10	< 10	< 1	< 10	18	730
1238	205 274	8	< 0.01	1	30	< 2	< 2	< 1	21	< 0.01	< 10	< 10	< 1	< 10	14	210
1239	205 274	1	< 0.01	2	20	2	< 2	< 1	33	< 0.01	< 10	< 10	1	< 10	22	130
1240	205 274	3	< 0.01	2	10	< 2	< 2	< 1	30	< 0.01	< 10	< 10	< 1	< 10	2	280
1241	205 274	< 1	< 0.01	< 1	10	< 2	2	< 1	19	< 0.01	< 10	< 10	< 1	< 10	6	400
1242	205 274	2	< 0.01	1	20	4	< 2	< 1	99	< 0.01	< 10	< 10	< 1	< 10	34	130
1243	205 274	1	< 0.01	< 1	30	4	< 2	< 1	23	< 0.01	< 10	< 10	2	< 10	10	120
1244	205 274	2	< 0.01	1	20	10	4	< 1	67	< 0.01	< 10	< 10	1	< 10	8	190
1245	205 274	4	< 0.01	2	30	4	2	< 1	32	< 0.01	< 10	< 10	1	< 10	28	320
1246	205 274	< 1	< 0.01	13	710	< 2	< 2	21	53	< 0.01	< 10	10	135	< 10	32	120
1247	205 274	< 1	< 0.01	16	760	< 2	< 2	20	80	< 0.01	< 10	< 10	158	< 10	38	220
1248	205 274	< 1	< 0.01	16	1010	< 2	4	24	39	< 0.01	< 10	10	197	< 10	20	3950
1249	205 274	< 1	< 0.01	16	960	< 2	< 2	26	29	< 0.01	< 10	< 10	195	< 10	24	100
1250	205 274	1	< 0.01	18	1140	< 2	< 2	28	38	< 0.01	< 10	< 10	252	< 10	36	310
1251	205 274	1	< 0.01	21	860	< 2	< 2	23	37	< 0.01	< 10	< 10	204	< 10	34	460
1252	205 274	< 1	< 0.01	17	890	< 2	< 2	27	21	< 0.01	< 10	< 10	217	< 10	28	40
1253	205 274	< 1	< 0.01	24	700	< 2	2	13	52	< 0.01	< 10	< 10	56	< 10	44	1500
1254	205 274	1	< 0.01	6	130	< 2	< 2	2	91	< 0.01	< 10	10	5	< 10	32	250
1255	205 274	1	< 0.01	12	10	8	< 2	4	123	< 0.01	< 10	10	15	< 10	328	4500
1256	205 274	< 1	< 0.01	76	330	< 2	< 2	9	125	< 0.01	< 10	10	44	< 10	6	340
1257	205 274	< 1	< 0.01	64	370	< 2	< 2	16	77	< 0.01	< 10	10	98	< 10	30	500
1258	205 274	1	< 0.01	22	20	14	< 2	3	102	< 0.01	< 10	10	22	< 10	74	3550
1259	205 274	5	< 0.01	9	20	22	10	8	31	< 0.01	< 10	< 10	18	< 10	96	1800
1260	205 274	10	< 0.01	8	630	8	260	2	17	< 0.01	20	< 10	13	< 10	64	77500
1261	205 274	12	< 0.01	< 1	750	14	668	2	9	< 0.01	40	< 10	7	< 10	16	>100000
1262	205 274	< 1	< 0.01	29	140	2	8	4	43	< 0.01	< 10	< 10	14	< 10	38	2200

CERTIFICATION:

*Hart Bickler*



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## CERTIFICATE OF ANALYSIS

### A9419408

SAMPLE	PREP CODE	Au-AA ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
1263	205 274	< 5	< 0.2	0.65	5510	120	< 0.5	< 2	0.04	< 0.5	< 1	49	2	1.45	< 10	7	0.28	< 10	0.02	45
1264	205 274	< 5	< 0.2	0.46	5050	70	< 0.5	< 2	0.01	< 0.5	< 1	124	2	1.38	< 10	6	0.22	< 10	0.01	35
1265	205 274	< 5	< 0.2	0.50	4140	100	< 0.5	< 2	0.04	< 0.5	< 1	67	1	1.57	< 10	7	0.29	< 10	0.01	55
1266	205 274	70	< 0.2	0.53	2200	110	0.5	< 2	0.35	< 0.5	1	100	2	1.41	< 10	1	0.32	< 10	0.16	235
1267	205 274	370	< 0.2	0.47	4620	140	< 0.5	< 2	0.02	< 0.5	< 1	68	2	1.52	< 10	8	0.35	10	0.01	15
1268	205 274	405	< 0.2	0.44	2180	280	< 0.5	< 2	0.06	< 0.5	< 1	73	9	1.37	< 10	< 1	0.32	20	0.02	30
1269	205 274	210	< 0.2	0.45	1840	1050	< 0.5	< 2	0.08	< 0.5	< 1	66	2	1.05	< 10	< 1	0.33	20	0.01	50
1270	205 274	470	< 0.2	0.36	3020	90	< 0.5	< 2	0.04	< 0.5	< 1	62	3	1.05	< 10	< 1	0.26	10	0.01	20
1271	205 274	315	< 0.2	0.33	416	490	< 0.5	< 2	0.03	< 0.5	< 1	85	1	0.88	< 10	< 1	0.25	10	0.01	35
1272	205 274	40	< 0.2	0.30	1530	570	< 0.5	< 2	0.03	< 0.5	< 1	166	2	1.09	< 10	< 1	0.25	10	0.01	40
1273	205 274	15	< 0.2	0.40	282	1100	0.5	< 2	0.04	< 0.5	< 1	73	2	1.81	< 10	< 1	0.29	20	0.01	50
1274	205 274	345	< 0.2	0.36	292	1150	0.5	< 2	0.04	< 0.5	< 1	96	1	1.70	< 10	< 1	0.27	10	0.01	25
1275	205 274	20	< 0.2	0.41	262	2270	1.0	< 2	0.16	< 0.5	< 1	93	1	1.60	< 10	< 1	0.27	30	0.01	355
1276	205 274	3300	< 0.2	0.43	434	670	< 0.5	< 2	0.01	< 0.5	< 1	125	2	2.09	< 10	< 1	0.34	20	0.01	60
1277	205 274	1400	< 0.2	0.48	402	90	< 0.5	< 2	0.01	< 0.5	< 1	87	1	1.16	< 10	< 1	0.38	30	0.01	20
1278	205 274	120	< 0.2	0.30	46	1430	< 0.5	< 2	0.08	< 0.5	< 1	280	4	0.54	< 10	< 1	0.19	10	< 0.01	195
1279	205 274	4100	< 0.2	0.48	254	200	< 0.5	< 2	0.01	< 0.5	< 1	127	3	0.91	< 10	< 1	0.37	20	0.01	10
1280	205 274	2100	< 0.2	0.54	386	240	0.5	< 2	0.02	< 0.5	< 1	146	14	1.41	< 10	< 1	0.38	20	0.02	55
1281	205 274	70	< 0.2	0.41	726	480	0.5	< 2	0.14	< 0.5	< 1	103	7	1.50	< 10	< 1	0.29	10	0.02	90
1282	205 274	495	< 0.2	0.53	430	670	0.5	< 2	0.07	< 0.5	< 1	153	2	1.71	< 10	< 1	0.34	20	0.01	135
1283	205 274	15	< 0.2	0.45	64	1260	< 0.5	< 2	0.01	< 0.5	< 1	139	49	1.25	< 10	< 1	0.26	20	0.01	30
1284	205 274	10	< 0.2	0.50	224	1590	0.5	< 2	0.12	1.0	1	158	95	1.46	< 10	4	0.29	20	0.02	465
1285	205 274	40	0.2	0.49	188	890	0.5	< 2	0.05	0.5	< 1	100	41	1.06	< 10	2	0.29	20	0.01	55
1286	205 274	25	0.2	0.56	110	1120	0.5	< 2	0.69	< 0.5	< 1	150	40	1.35	< 10	< 1	0.35	20	0.02	190
1287	205 274	35	< 0.2	0.60	110	820	0.5	< 2	0.29	< 0.5	1	95	21	1.55	< 10	< 1	0.38	40	0.03	220
1288	205 274	2800	< 0.2	0.78	1050	60	0.5	< 2	0.09	< 0.5	< 1	97	2	2.12	< 10	1	0.52	10	0.04	35
1289	205 274	15	< 0.2	0.54	392	940	1.0	< 2	1.55	< 0.5	< 1	112	2	1.75	< 10	1	0.34	20	0.24	160
1290	205 274	10	< 0.2	0.50	3420	570	0.5	< 2	0.04	< 0.5	< 1	172	1	1.34	< 10	< 1	0.30	20	0.01	55
1291	205 274	30	0.2	0.29	44	240	< 0.5	< 2	0.48	< 0.5	8	70	34	1.83	< 10	< 1	0.20	20	0.01	175
1292	205 274	60	0.2	0.36	30	300	< 0.5	< 2	0.95	< 0.5	2	87	49	1.94	< 10	< 1	0.24	20	0.03	250
1293	205 274	255	0.4	0.58	36	610	0.5	< 2	0.04	< 0.5	< 1	79	12	0.97	< 10	< 1	0.38	20	0.02	20
1294	205 274	< 5	< 0.2	1.40	14	320	< 0.5	< 2	6.38	< 0.5	30	32	171	6.98	< 10	1	0.29	< 10	1.80	1480
1295	205 274	5	< 0.2	0.87	20	440	< 0.5	< 2	7.71	< 0.5	23	25	111	5.86	< 10	< 1	0.45	< 10	3.23	1310
1296	205 274	< 5	0.2	0.95	34	190	< 0.5	< 2	6.60	< 0.5	26	123	82	5.23	< 10	< 1	0.38	< 10	4.25	1240
1297	205 274	15	< 0.2	0.08	10	10	< 0.5	< 2	1.77	< 0.5	< 1	145	7	0.31	< 10	< 1	0.04	< 10	0.27	135

CERTIFICATION: *Hart Buchler*





# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
PHONE: 604-984-0221

NORTH AMERICAN METALS CORP.  
EXPLORATION GOLDEN BEAR MINE  
1500 - 700 W. PENDER ST.  
VANCOUVER, BC  
V6C 1G8

Page Number : 2-B  
Total Pages : 2  
Certificate Date: 09-JUL-94  
Invoice No. : I9419408  
P.O. Number : EX441622  
Account : DRRR

Project : RAM-TUT-TOT  
Comments: CC: ANDREW HAMILTON

## CERTIFICATE OF ANALYSIS A9419408

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Hg ppb
1263	205 274	1 < 0.01	< 1	< 10	< 2	6	< 1	3 < 0.01	< 10	< 10	1	< 10	12	8350		
1264	205 274	1 < 0.01	1	< 10	< 2	8	< 1	2 < 0.01	< 10	< 10	1	< 10	12	7400		
1265	205 274	< 1 < 0.01	< 1	< 10	2	14	< 1	4 < 0.01	< 10	< 10	1	< 10	8	8150		
1266	205 274	2 < 0.01	3	10	< 2	24	1	7 < 0.01	< 10	< 10	2	< 10	32	2150		
1267	205 274	1 < 0.01	< 1	20	< 2	12	< 1	3 < 0.01	< 10	< 10	1	< 10	228	9400		
1268	205 274	< 1 < 0.01	< 1	30	< 2	4	< 1	4 < 0.01	< 10	< 10	1	< 10	8	890		
1269	205 274	1 < 0.01	< 1	20	< 2	2	< 1	17 < 0.01	< 10	< 10	1	< 10	10	620		
1270	205 274	2 < 0.01	1	20	2	2	< 1	3 < 0.01	< 10	< 10	1	< 10	10	730		
1271	205 274	< 1 < 0.01	1	20	< 2	10	< 1	16 < 0.01	< 10	< 10	< 1	< 10	4	290		
1272	205 274	2 < 0.01	2	10	< 2	2	< 1	9 < 0.01	< 10	< 10	1	< 10	14	680		
1273	205 274	< 1 < 0.01	1	30	< 2	4	< 1	26 < 0.01	< 10	< 10	< 1	< 10	16	270		
1274	205 274	< 1 < 0.01	2	30	2	2	< 1	28 < 0.01	< 10	< 10	< 1	< 10	4	310		
1275	205 274	< 1 < 0.01	3	60	4	2	< 1	55 < 0.01	< 10	< 10	< 1	< 10	12	290		
1276	205 274	1 < 0.01	1	30	< 2	8	< 1	15 < 0.01	< 10	< 10	1	< 10	12	670		
1277	205 274	1 < 0.01	< 1	40	< 2	4	< 1	4 < 0.01	< 10	< 10	< 1	< 10	10	550		
1278	205 274	7 < 0.01	2	10	< 2	< 2	< 1	26 < 0.01	< 10	< 10	< 1	< 10	12	110		
1279	205 274	2 < 0.01	1	20	2	6	< 1	5 < 0.01	< 10	< 10	< 1	< 10	10	700		
1280	205 274	4 < 0.01	1	30	2	6	< 1	6 < 0.01	< 10	< 10	< 1	< 10	42	420		
1281	205 274	1 < 0.01	1	20	8	< 2	< 1	13 < 0.01	< 10	< 10	< 1	< 10	52	520		
1282	205 274	1 < 0.01	1	30	6	2	< 1	12 < 0.01	< 10	< 10	1	< 10	22	410		
1283	205 274	6 < 0.01	1	20	8	10	< 1	22 < 0.01	< 10	< 10	3	< 10	54	350		
1284	205 274	8 < 0.01	2	30	28	16	< 1	24 < 0.01	< 10	< 10	3	< 10	378	5450		
1285	205 274	12 < 0.01	1	30	12	12	< 1	15 < 0.01	< 10	< 10	3	< 10	190	2950		
1286	205 274	2 < 0.01	2	20	12	12	< 1	40 < 0.01	< 10	< 10	1	< 10	36	1100		
1287	205 274	3 < 0.01	1	50	2	4	< 1	19 < 0.01	< 10	< 10	1	< 10	26	460		
1288	205 274	< 1 < 0.01	1	20	12	6	< 1	3 < 0.01	< 10	< 10	1	< 10	4	2250		
1289	205 274	3 < 0.01	1	10	18	< 2	< 1	21 < 0.01	< 10	< 10	2	< 10	56	660		
1290	205 274	< 1 < 0.01	1	10	2	4	< 1	12 < 0.01	< 10	< 10	2	< 10	6	1700		
1291	205 274	72 0.07	1	30	4	6	< 1	16 < 0.01	< 10	< 10	2	< 10	12	250		
1292	205 274	12 0.05	1	30	2	10	< 1	52 < 0.01	< 10	< 10	2	< 10	88	560		
1293	205 274	1 < 0.01	< 1	30	4	4	< 1	11 < 0.01	< 10	< 10	1	< 10	8	20		
1294	205 274	3 0.03	17	990	< 2	< 2	21	124 < 0.01	< 10	< 10	167	< 10	60	1250		
1295	205 274	< 1 < 0.01	25	910	2	< 2	21	157 < 0.01	< 10	< 10	10	88	< 10	40	120	
1296	205 274	1 < 0.01	80	1220	< 2	< 2	18	170 < 0.01	< 10	< 10	10	75	< 10	52	90	
1297	205 274	< 1 < 0.01	2	60	8	< 2	< 1	18 < 0.01	< 10	< 10	5	< 10	16	330		

CERTIFICATION:

*Haut Bichler*



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
212 Brooksbank Ave., North Vancouver  
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PHONE: 604-984-0221

To: NORTH AMERICAN METALS CORP.  
EXPLORATION GOLDEN BEAR MINE  
1500 - 700 W. PENDER ST.  
VANCOUVER, BC  
V6C 1G8

Page Number :1-A  
Total Pages :1  
Certificate Date: 03-AUG-94  
Invoice No. :I9421175  
P.O. Number :EX441622  
Account :DRRA

Project : RAM-TUT-TOT  
Comments: CC: ANDREW HAMILTON

## CERTIFICATE OF ANALYSIS A9421175

SAMPLE	PREP CODE	Au-AA ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
1126	205 226	45	1.6	0.40	290	120	< 0.5	< 2	0.02	< 0.5	< 1	55	5	0.95	< 10	< 1	0.28	10	0.02	10
1127	205 226	100	1.2	0.45	500	370	< 0.5	< 2	0.02	< 0.5	1	51	5	1.07	< 10	< 1	0.33	10	0.02	55
1128	205 226	5	0.2	0.39	204	390	< 0.5	< 2	0.03	< 0.5	< 1	68	8	1.11	10	< 1	0.24	50	0.01	35
1129	205 226	45	0.4	0.34	144	480	< 0.5	< 2	0.02	< 0.5	< 1	66	2	0.88	< 10	< 1	0.20	20	0.01	5
1130	205 226	< 5	< 0.2	0.18	22	160	< 0.5	< 2	0.04	< 0.5	1	114	< 1	0.59	< 10	< 1	0.02	20	0.04	90
1131	205 226	55	< 0.2	0.37	116	40	< 0.5	< 2	0.04	< 0.5	< 1	96	2	0.89	< 10	< 1	0.23	20	0.02	10
1132	205 226	< 5	< 0.2	1.23	12	20	< 0.5	< 2	2.17	0.5	26	71	54	6.13	10	< 1	0.23	10	1.46	635
1133	205 226	5	1.2	0.04	34	20	< 0.5	< 2	0.15	2.0	1	166	10	0.46	< 10	< 1	0.01	< 10	0.01	85
1134	205 226	5	< 0.2	0.03	22	10	< 0.5	< 2	4.68	< 0.5	1	187	2	0.40	< 10	< 1	0.01	< 10	0.01	155
1135	205 226	< 5	< 0.2	0.13	< 2	< 10	< 0.5	< 2	0.03	< 0.5	5	146	3	14.85	< 10	1	0.03	< 10	0.02	10
1136	205 226	290	< 0.2	0.11	14	20	< 0.5	< 2	4.42	< 0.5	1	213	3	0.65	< 10	< 1	0.04	< 10	0.03	85
1137	205 226	20	< 0.2	2.37	6	10	< 0.5	< 2	0.50	< 0.5	53	73	154	12.50	10	< 1	0.27	10	1.40	285
1138	205 226	< 5	< 0.2	0.23	6	550	< 0.5	< 2	0.03	< 0.5	2	118	51	1.73	< 10	< 1	0.13	20	0.02	105
1139	205 226	< 5	< 0.2	0.04	6	60	< 0.5	< 2	0.37	< 0.5	4	238	7	0.37	< 10	< 1	0.02	< 10	0.01	130
1140	205 226	< 5	< 0.2	0.32	< 2	450	< 0.5	< 2	0.20	< 0.5	1	80	< 1	1.52	< 10	< 1	0.15	40	0.03	85
1141	205 226	< 5	< 0.2	0.24	< 2	30	< 0.5	< 2	12.45	< 0.5	11	77	< 1	4.60	< 10	< 1	0.17	< 10	4.14	890
1142	205 226	< 5	< 0.2	0.17	< 2	70	< 0.5	< 2	2.35	< 0.5	3	87	< 1	0.90	< 10	< 1	0.04	10	0.87	130
1143	205 226	240	1.8	0.28	372	200	< 0.5	< 2	0.04	< 0.5	< 1	67	3	0.75	< 10	< 1	0.20	10	0.01	5
1144	205 226	1300	1.0	0.37	274	130	< 0.5	< 2	0.02	< 0.5	< 1	95	3	0.78	< 10	< 1	0.22	10	0.01	5
1145	205 226	800	0.6	0.29	304	270	< 0.5	< 2	0.01	< 0.5	< 1	92	2	0.65	< 10	< 1	0.20	10	< 0.01	5
1146	205 226	165	0.4	0.38	246	340	< 0.5	< 2	0.01	< 0.5	< 1	100	8	1.23	< 10	< 1	0.19	20	0.01	15
1147	205 226	5	< 0.2	0.42	22	620	0.5	< 2	2.13	< 0.5	< 1	60	< 1	0.48	< 10	< 1	0.24	20	0.07	240
1148	205 226	650	2.8	0.19	496	240	< 0.5	< 2	0.02	< 0.5	< 1	112	7	1.42	< 10	< 1	0.13	10	0.01	5
1149	205 226	230	1.8	0.22	362	570	< 0.5	< 2	0.01	< 0.5	< 1	112	4	0.63	< 10	< 1	0.15	10	< 0.01	5
1150	205 226	650	3.0	0.30	302	80	< 0.5	< 2	0.01	< 0.5	< 1	90	2	0.65	< 10	< 1	0.19	10	< 0.01	5
1151	205 226	305	0.6	0.35	708	120	< 0.5	< 2	0.01	< 0.5	< 1	110	< 1	0.40	< 10	< 1	0.25	40	0.01	5
1152	205 226	50	0.2	0.32	148	230	< 0.5	< 2	< 0.01	< 0.5	< 1	78	1	0.80	< 10	< 1	0.19	20	< 0.01	< 5
1153	205 226	50	< 0.2	0.26	152	190	< 0.5	< 2	< 0.01	< 0.5	< 1	88	1	0.75	< 10	< 1	0.18	10	< 0.01	5
1154	205 226	2000	< 0.2	0.32	180	550	< 0.5	< 2	0.02	< 0.5	< 1	115	< 1	0.68	< 10	< 1	0.25	20	< 0.01	10
1155	205 226	20	0.2	0.06	32	50	< 0.5	< 2	0.08	< 0.5	< 1	165	1	0.82	< 10	< 1	0.05	< 10	< 0.01	5
1156	205 226	< 5	1.0	0.06	4	2230	< 0.5	< 2	5.07	0.5	1	104	76	0.67	< 10	< 1	0.03	< 10	1.94	1040
1157	205 226	15	0.6	0.07	72	150	< 0.5	2	2.24	3.0	1	95	44	0.56	< 10	< 1	0.03	< 10	0.02	95
1158	205 226	5	0.6	0.08	56	80	< 0.5	2	0.11	0.5	< 1	150	12	0.56	< 10	< 1	0.03	< 10	< 0.01	30
1159	205 226	10	< 0.2	0.11	150	40	< 0.5	< 2	0.62	1.0	1	173	5	0.64	< 10	< 1	0.04	< 10	0.05	155
1298	205 226	5	0.4	0.06	176	30	< 0.5	< 2	0.04	< 0.5	< 1	220	5	0.60	< 10	< 1	0.04	< 10	< 0.01	10
1299	205 226	< 5	1.4	0.21	462	10	< 0.5	2	0.35	< 0.5	73	117	362	7.61	< 10	< 1	0.10	< 10	0.12	165

CERTIFICATION: *Heath Bickler*



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To: NORTH AMERICAN METALS CORP.  
EXPLORATION GOLDEN BEAR MINE  
1500 - 700 W. PENDER ST.  
VANCOUVER, BC  
V6C 1G8

Page Number :1-B  
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P.O. Number :EX441622  
Account :DRRA

Project : RAM-TUT-TOT  
Comments: CC: ANDREW HAMILTON

## CERTIFICATE OF ANALYSIS

### A9421175

SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn	Hg
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb
1126	205	226	1 < 0.01	< 1	10	292	4	< 1	1 < 0.01	< 10	< 10	< 1	< 10	28	80		
1127	205	226	1 < 0.01	< 1	30	94	2	< 1	6 < 0.01	< 10	< 10	< 1	< 10	38	30		
1128	205	226	< 1 < 0.01	1	10	28	2	< 1	6 < 0.01	< 10	< 10	< 1	< 10	106	90		
1129	205	226	< 1 < 0.01	1	10	14	2	< 1	4 < 0.01	< 10	< 10	< 1	< 10	6	90		
1130	205	226	< 1 0.07	2	10	< 2	< 2	< 1	4 < 0.01	< 10	< 10	1	< 10	12	10		
1131	205	226	1 < 0.01	1	80	6	2	< 1	3 < 0.01	< 10	< 10	2	< 10	30	40		
1132	205	226	1 0.07	39	1910	50	< 2	23	15	0.01	< 10	< 10	143	< 10	34	10	
1133	205	226	6 < 0.01	4	180	62	12	< 1	6 < 0.01	< 10	< 10	2	< 10	266	270		
1134	205	226	7 < 0.01	8	230	10	4	1	20 < 0.01	< 10	< 10	2	< 10	36	40		
1135	205	226	2 < 0.01	6	< 10	< 2	< 2	< 1	2 < 0.01	< 10	< 10	< 1	< 10	< 2	20		
1136	205	226	3 < 0.01	9	290	2	4	< 1	25 < 0.01	< 10	< 10	2	< 10	32	10		
1137	205	226	1 0.02	34	2800	16	8	16	5 < 0.01	< 10	< 10	104	< 10	40	10		
1138	205	226	4 0.03	1	30	2	< 2	< 1	15 < 0.01	< 10	< 10	3	< 10	16	10		
1139	205	226	< 1 < 0.01	4	30	2	< 2	< 1	5 < 0.01	< 10	< 10	2	< 10	30	10		
1140	205	226	< 1 0.04	1	20	< 2	< 2	< 1	12	0.02	< 10	< 10	1	< 10	18	10	
1141	205	226	1 0.01	46	150	< 2	< 2	10	143 < 0.01	< 10	< 10	62	< 10	50	10		
1142	205	226	1 0.06	5	70	< 2	< 2	1	29 < 0.01	< 10	< 10	8	< 10	12	10		
1143	205	226	48 < 0.01	1	< 10	36	4	< 1	5 < 0.01	< 10	< 10	< 1	< 10	12	70		
1144	205	226	2 < 0.01	1	< 10	12	2	< 1	4 < 0.01	< 10	< 10	< 1	< 10	34	150		
1145	205	226	2 < 0.01	1	10	10	2	< 1	9 < 0.01	< 10	< 10	< 1	< 10	2	90		
1146	205	226	91 < 0.01	1	< 10	30	4	< 1	4 < 0.01	< 10	< 10	< 1	< 10	38	70		
1147	205	226	3 0.01	1	80	18	< 2	< 1	70 < 0.01	< 10	< 10	< 1	< 10	16	10		
1148	205	226	14 < 0.01	2	10	94	2	< 1	6 < 0.01	< 10	< 10	< 1	< 10	30	80		
1149	205	226	6 < 0.01	1	10	42	< 2	< 1	4 < 0.01	< 10	< 10	< 1	< 10	4	40		
1150	205	226	7 < 0.01	< 1	10	18	2	< 1	1 < 0.01	< 10	< 10	< 1	< 10	< 2	150		
1151	205	226	< 1 < 0.01	1	40	12	2	< 1	6 < 0.01	< 10	< 10	< 1	< 10	2	10		
1152	205	226	2 < 0.01	1	20	12	< 2	< 1	3 < 0.01	< 10	< 10	< 1	< 10	18	110		
1153	205	226	1 < 0.01	< 1	10	8	< 2	< 1	3 < 0.01	< 10	< 10	< 1	< 10	8	70		
1154	205	226	< 1 < 0.01	1	10	4	< 2	< 1	8 < 0.01	< 10	< 10	< 1	< 10	4	60		
1155	205	226	9 < 0.01	5	370	8	< 2	< 1	40 < 0.01	< 10	< 10	4	< 10	10	20		
1156	205	226	1 < 0.01	2	70	38	8	< 1	78 < 0.01	< 10	< 10	1	< 10	24	40		
1157	205	226	3 < 0.01	8	210	132	46	< 1	18 < 0.01	< 10	< 10	1	< 10	276	90		
1158	205	226	4 < 0.01	7	190	66	22	< 1	2 < 0.01	< 10	< 10	2	< 10	136	40		
1159	205	226	2 < 0.01	10	200	38	20	< 1	10 < 0.01	< 10	< 10	3	< 10	184	20		
1298	205	226	11 < 0.01	6	210	14	8	< 1	14 < 0.01	< 10	< 10	2	< 10	6	90		
1299	205	226	< 1 < 0.01	23	250	12	30	8	5 < 0.01	< 10	< 10	13	< 10	26	100		

CERTIFICATION: *Hart Bickler*



# Chemex Labs Ltd.

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212 Brooksbank Ave., North Vancouver  
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To: NORTH AMERICAN METALS CORP.  
EXPLORATION GOLDEN BEAR MINE  
1500 - 700 W. PENDER ST.  
VANCOUVER, BC  
V6C 1G8

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Invoice No. : 19421629  
P.O. Number : EX441622  
Account : DRRR

Project : RAM-TOT-TUT  
Comments : CC: ANDREW HAMILTON

## CERTIFICATE OF ANALYSIS A9421629

SAMPLE	PREP CODE	Au-AA ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
1160	205 294	180	99.8	0.04	402	10	< 0.5	< 2	3.30	1.5	24	196	3060	2.09	< 10	21	0.01	< 10	1.74	1145
1161	205 294	25	4.8	0.03	132	320	< 0.5	< 2	0.09	9.0	2	114	89	0.87	< 10	< 1	< 0.01	< 10	0.02	130
1162	205 294	75	27.0	0.11	356	90	< 0.5	< 2	0.07	32.0	2	380	756	3.41	< 10	12	0.02	< 10	0.01	30
1163	205 294	10	0.4	0.27	36	100	< 0.5	< 2	4.82	1.0	1	119	14	0.44	< 10	< 1	0.10	< 10	0.06	225
1164	205 294	15	8.2	0.23	44	120	< 0.5	< 2	0.29	3.5	2	249	53	0.67	< 10	< 1	0.10	< 10	0.02	115
1165	205 294	125	49.8	0.01	484	< 10	< 0.5	< 2	1.46	< 0.5	59	135	3570	4.09	< 10	17	0.01	< 10	0.57	480
1166	205 294	165	165.5	0.07	702	< 10	< 0.5	< 2	0.03	< 0.5	245	299	222	11.20	< 10	< 1	0.03	< 10	0.01	105
1167	205 294	< 5	5.2	3.48	156	140	< 0.5	2	2.73	< 0.5	133	42	7170	8.28	10	< 1	0.16	< 10	3.19	390
1168	205 294	170	67.0	0.02	696	< 10	< 0.5	< 2	1.39	< 0.5	35	380	2300	3.59	< 10	35	< 0.01	< 10	0.64	580
1373	205 294	80	3.0	0.05	80	< 10	< 0.5	< 2	>15.00	1.0	4	12	755	0.96	< 10	34	0.01	< 10	10.55	2660
1374	205 294	35	6.2	0.41	242	60	< 0.5	4	10.45	< 0.5	8	98	1665	1.48	< 10	91	0.22	< 10	5.30	1420
1375	205 294	< 5	< 0.2	0.56	32	20	< 0.5	< 2	5.77	< 0.5	29	170	96	4.96	< 10	< 1	0.15	< 10	3.34	915
1376	205 294	5	< 0.2	0.95	188	140	< 0.5	< 2	7.04	< 0.5	27	219	32	3.58	< 10	< 1	0.15	< 10	4.20	740
1377	205 294	< 5	< 0.2	0.81	10	< 10	< 0.5	< 2	0.45	< 0.5	784	241	2460	>15.00	10	< 1	< 0.01	< 10	1.38	190
1378	205 294	75	0.2	0.60	4	220	< 0.5	< 2	0.56	< 0.5	7	97	22	1.36	10	< 1	0.49	20	0.04	300
1379	205 294	< 5	0.2	0.67	< 2	450	< 0.5	< 2	0.12	< 0.5	1	81	46	1.01	10	< 1	0.31	50	0.05	340
1380	205 294	900	2.8	0.27	2	180	< 0.5	< 2	1.31	0.5	4	76	39	1.47	< 10	< 1	0.21	20	0.08	545
1381	205 294	1900	0.2	0.73	346	780	< 0.5	< 2	0.29	< 0.5	< 1	135	8	1.22	10	< 1	0.51	30	0.01	105
1383	205 294	80	0.2	0.39	118	900	< 0.5	< 2	0.07	< 0.5	2	83	20	0.90	< 10	< 1	0.27	40	0.02	90
1384	205 294	5300	15.2	0.58	14	20	< 0.5	< 2	0.68	< 0.5	7	120	34	3.70	< 10	< 1	0.46	10	0.01	105

CERTIFICATION:

*Hart Buehler*



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221

To: NORTH AMERICAN METALS CORP.  
 EXPLORATION GOLDEN BEAR MINE  
 1500 - 700 W. PENDER ST.  
 VANCOUVER, BC  
 V6C 1G8

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 Invoice No. : I9421629  
 P.O. Number : EX441622  
 Account : DRRR

Project : RAM-TOT-TUT  
 Comments : CC: ANDREW HAMILTON

## CERTIFICATE OF ANALYSIS A9421629

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Hg ppb
1160	205 294	4 < 0.01		10	280	24	2390	1	19 < 0.01	< 10	< 10		27	< 10	132	26200
1161	205 294	14 < 0.01		6	160	564	102	< 1	6 < 0.01	< 10	< 10		2	< 10	890	560
1162	205 294	12 < 0.01		11	190	>10000	1785	< 1	6 < 0.01	< 10	< 10		5	< 10	3530	14700
1163	205 294	5 < 0.01		7	250	118	18	1	32 < 0.01	< 10	< 10		6	< 10	100	80
1164	205 294	8 < 0.01		11	210	628	58	< 1	7 < 0.01	< 10	< 10		6	< 10	312	164
1165	205 294	8 < 0.01		27	200	24	3290	< 1	8 < 0.01	< 10	< 10		52	< 10	46	20300
1166	205 294	28 < 0.01		113	40	1120	624	< 1	1 < 0.01	< 10	< 10		85	< 10	32	1800
1167	205 294	1 < 0.01		70	2480	38	22	22	60 < 0.01	< 10	< 10		118	20	82	140
1168	205 294	9 < 0.01		20	110	34	7320	1	8 < 0.01	< 10	< 10		45	< 10	44	40100
1373	205 294	2 < 0.01		1	60	26	138	1	69 < 0.01	< 10	< 10		10	10	62	52500
1374	205 294	< 1	0.01	14	300	14	182	5	52 < 0.01	< 10	< 10		25	10	62	>100000
1375	205 294	< 1	0.01	76	950	10	8	34	60 < 0.01	< 10	< 10		132	10	78	960
1376	205 294	< 1	0.03	256	410	8	6	11	153 < 0.01	< 10	< 10		75	10	42	490
1377	205 294	< 1	< 0.01	964	10	30	16	38	2 < 0.01	< 10	< 10		33	< 10	52	270
1378	205 294	< 1	< 0.01	10	40	6	2	< 1	17 < 0.01	< 10	< 10		2	< 10	14	180
1379	205 294	2	0.09	2	60	10	4	< 1	14 < 0.01	< 10	< 10		3	< 10	20	60
1380	205 294	< 1	0.02	7	20	6	6	< 1	31 < 0.01	< 10	< 10		2	< 10	80	290
1381	205 294	< 1	< 0.01	1	60	12	2	< 1	18 < 0.01	< 10	< 10		1	< 10	10	90
1383	205 294	< 1	< 0.01	3	40	10	2	< 1	18 < 0.01	< 10	< 10		1	< 10	46	70
1384	205 294	26	0.01	1	10	30	14	< 1	34 < 0.01	< 10	< 10		1	< 10	32	170

CERTIFICATION:

*Hart Buchler*



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NORTH AMERICAN METALS CORP.  
 EXPLORATION GOLDEN BEAR MINE  
 1500 - 700 W. PENDER ST.  
 VANCOUVER, BC  
 V6C 1G8

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 Invoice No. : I9419407  
 P.O. Number : EX441622  
 Account : DRRR

Project : RAM-TUT-TOT  
 Comments : CC: ANDREW HAMILTON

## CERTIFICATE OF ANALYSIS A9419407

SAMPLE	PREP CODE		Au-AA	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
			ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
1101	201	229	10	< 0.2	2.38	34	190	< 0.5	< 2	0.54	< 0.5	23	122	109	4.37	< 10	< 1	0.14	< 10	1.23	1095
1102	201	229	5	< 0.2	0.44	24	20	0.5	< 2	5.54	< 0.5	16	3	47	2.50	< 10	< 1	0.21	< 10	0.72	560
1103	201	229	25	0.4	0.68	232	50	0.5	< 2	6.33	1.5	49	24	97	4.38	< 10	< 1	0.12	< 10	1.07	435
1104	201	229	75	0.4	0.85	420	80	< 0.5	< 2	3.88	0.5	31	40	78	4.22	< 10	< 1	0.11	< 10	0.97	420
1105	201	229	5	< 0.2	0.90	26	260	0.5	< 2	7.60	< 0.5	15	10	21	3.24	< 10	< 1	0.24	< 10	0.55	445
1106	201	229	25	< 0.2	0.74	264	90	< 0.5	< 2	6.69	0.5	33	32	52	4.20	< 10	< 1	0.22	< 10	0.51	455
1107	217	229	< 5	< 0.2	0.35	40	70	< 0.5	2	>15.00	1.0	9	12	40	1.48	< 10	< 1	0.13	< 10	0.51	405
1108	201	229	< 5	< 0.2	0.89	132	90	< 0.5	< 2	8.49	0.5	29	40	56	4.00	< 10	< 1	0.21	< 10	0.62	630
1109	201	229	190	0.4	1.46	76	250	0.5	< 2	2.52	0.5	24	44	78	4.33	< 10	1	0.25	10	0.81	670
1110	201	229	40	< 0.2	1.74	44	190	0.5	< 2	1.16	1.0	17	42	48	3.83	< 10	< 1	0.26	10	0.62	905
1111	217	229	< 5	< 0.2	0.68	12	360	< 0.5	< 2	0.24	0.5	3	99	7	0.97	< 10	< 1	0.32	30	0.13	415
1112	201	229	110	< 0.2	0.65	144	890	1.0	< 2	0.17	0.5	8	9	29	3.18	< 10	< 1	0.28	60	0.12	615
1113	201	229	85	< 0.2	1.81	54	870	1.5	< 2	0.50	1.0	16	45	51	3.80	< 10	< 1	0.23	50	0.45	1735
1114	201	229	10	0.2	1.31	66	690	< 0.5	< 2	8.15	3.5	24	56	71	3.61	< 10	< 1	0.27	< 10	0.68	2910
1115	201	229	30	< 0.2	1.78	66	450	0.5	< 2	0.90	1.0	22	124	79	4.81	< 10	< 1	0.20	10	0.95	1035
1116	201	229	20	< 0.2	2.02	118	290	0.5	< 2	2.43	1.5	26	107	86	4.42	< 10	2	0.18	< 10	1.14	1110
1117	201	229	70	< 0.2	0.38	60	100	0.5	< 2	13.40	0.5	22	35	36	3.42	< 10	< 1	0.12	< 10	0.99	775
1118	217	229	5	< 0.2	0.66	134	250	< 0.5	< 2	10.30	1.0	16	32	52	3.20	< 10	< 1	0.20	< 10	1.01	600
1119	201	229	15	< 0.2	0.51	< 2	530	< 0.5	< 2	10.05	1.5	6	14	33	1.01	< 10	1	0.11	< 10	0.88	500
1120	201	229	< 5	< 0.2	1.82	40	250	0.5	< 2	1.04	1.0	17	56	39	4.02	< 10	< 1	0.26	10	0.66	915
1121	217	229	10	< 0.2	0.83	6	2130	1.0	< 2	0.69	1.0	4	53	25	1.44	< 10	< 1	0.33	40	0.16	1180
1122	201	229	10	< 0.2	1.72	22	1460	1.5	< 2	1.06	1.0	10	35	40	2.74	< 10	< 1	0.27	30	0.65	1160
1302	217	229	< 5	< 0.2	0.05	< 2	10	< 0.5	2	>15.00	1.5	9	35	2	0.31	< 10	< 1	0.02	< 10	0.36	155
1303	201	229	< 5	< 0.2	1.24	36	180	0.5	< 2	4.17	0.5	14	21	29	3.35	< 10	< 1	0.26	< 10	0.48	410
1304	217	229	< 5	< 0.2	0.47	84	30	< 0.5	2	>15.00	1.5	6	36	19	1.73	< 10	1	0.16	< 10	1.82	450
1305	201	229	5	< 0.2	0.70	26	460	< 0.5	2	6.41	1.0	13	14	40	2.44	< 10	< 1	0.20	< 10	0.33	615
1306	201	229	5	< 0.2	1.22	84	110	< 0.5	2	4.72	2.0	22	46	58	4.02	< 10	< 1	0.20	< 10	0.45	955
1307	201	229	5	0.2	0.75	104	140	< 0.5	< 2	5.91	1.0	24	34	66	3.85	< 10	< 1	0.15	< 10	0.41	715
1308	201	229	220	0.4	0.80	96	220	0.5	< 2	3.18	0.5	22	27	64	3.65	< 10	< 1	0.19	< 10	0.53	595
1309	201	229	55	< 0.2	1.26	42	1040	3.0	< 2	0.53	1.5	16	39	45	3.45	< 10	< 1	0.22	40	0.34	2270
1310	201	229	50	< 0.2	1.52	90	150	0.5	< 2	0.61	< 0.5	14	51	78	3.54	< 10	< 1	0.17	20	0.69	680
1311	201	229	< 5	< 0.2	1.45	30	540	1.0	< 2	0.54	1.0	18	77	75	3.89	< 10	< 1	0.25	10	0.66	1040
1312	201	229	170	0.2	1.48	38	1190	1.5	< 2	1.04	1.0	24	63	112	5.99	< 10	< 1	0.22	30	0.61	3580
1313	201	229	220	0.4	1.00	18	630	2.0	< 2	0.55	1.0	8	18	87	3.26	< 10	< 1	0.20	40	0.26	1235
1314	201	229	1700	2.0	1.31	52	830	3.0	< 2	0.30	1.0	11	32	109	4.39	< 10	< 1	0.25	70	0.29	1730
1315	201	229	70	< 0.2	0.52	32	270	< 0.5	< 2	1.69	< 0.5	10	27	29	1.85	< 10	< 1	0.14	< 10	0.37	725
1316	201	229	30	< 0.2	1.20	150	570	1.0	< 2	2.30	1.5	16	44	58	4.37	< 10	< 1	0.25	10	0.51	1620
1317	217	229	5	< 0.2	0.78	58	660	< 0.5	< 2	1.55	0.5	8	68	30	2.67	< 10	< 1	0.35	10	0.30	755
1318	201	229	< 5	< 0.2	1.78	54	180	0.5	< 2	0.96	0.5	15	67	50	4.02	< 10	< 1	0.19	10	0.69	650
1319	201	229	< 5	< 0.2	1.91	34	630	0.5	< 2	1.52	0.5	15	87	65	3.74	< 10	1	0.22	20	0.87	425

CERTIFICATION:

*Harry Buchler*



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NORTH AMERICAN METALS CORP.  
 EXPLORATION GOLDEN BEAR MINE  
 1500 - 700 W. PENDER ST.  
 VANCOUVER, BC  
 V6C 1G8

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 Invoice No. : I9419407  
 P.O. Number : EX441622  
 Account : DRRA

Project : RAM-TUT-TOT  
 Comments : CC: ANDREW HAMILTOM

## CERTIFICATE OF ANALYSIS A9419407

SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn	Hg
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
1101	201	229	1	0.01	52	870	12	< 2	11	22	0.08	< 10	< 10	117	< 10	74	10
1102	201	229	2	< 0.01	38	1090	< 2	< 2	17	63	< 0.01	< 10	< 10	38	< 10	4	80
1103	201	229	22	< 0.01	167	1450	24	18	8	74	< 0.01	< 10	< 10	38	< 10	346	50
1104	201	229	7	0.01	101	1040	16	8	9	51	< 0.01	< 10	< 10	46	< 10	90	90
1105	201	229	4	< 0.01	15	1440	4	2	5	77	< 0.01	< 10	< 10	41	< 10	56	50
1106	201	229	4	< 0.01	58	1360	14	6	16	65	< 0.01	< 10	< 10	40	< 10	52	90
1107	217	229	8	< 0.01	22	550	4	8	4	213	< 0.01	< 10	< 10	17	< 10	44	70
1108	201	229	6	0.01	53	1350	6	< 2	15	87	< 0.01	< 10	< 10	51	< 10	62	90
1109	201	229	5	0.01	48	1080	20	12	12	38	< 0.01	< 10	< 10	63	< 10	154	80
1110	201	229	2	0.01	40	600	10	< 2	10	25	0.03	< 10	< 10	65	< 10	94	60
1111	217	229	1	0.01	7	260	8	< 2	1	11	< 0.01	< 10	< 10	10	< 10	66	30
1112	201	229	11	< 0.01	5	320	78	12	1	18	< 0.01	< 10	< 10	17	< 10	144	90
1113	201	229	8	0.01	32	800	32	8	6	24	< 0.01	< 10	< 10	52	< 10	112	40
1114	201	229	4	0.01	48	2890	20	< 2	10	216	0.01	< 10	< 10	59	< 10	212	90
1115	201	229	4	0.01	69	830	14	2	15	27	0.02	< 10	< 10	99	< 10	78	160
1116	201	229	3	0.01	81	1500	20	6	11	47	0.02	< 10	< 10	86	< 10	152	40
1117	201	229	7	< 0.01	84	900	2	2	16	90	< 0.01	< 10	< 10	34	< 10	30	80
1118	217	229	4	0.01	28	870	10	12	12	114	< 0.01	< 10	< 10	40	< 10	52	160
1119	201	229	6	< 0.01	16	1980	2	2	1	506	< 0.01	< 10	< 10	16	< 10	88	110
1120	201	229	4	0.01	45	520	16	< 2	9	41	0.01	< 10	< 10	63	< 10	134	30
1121	217	229	4	0.01	7	670	8	4	1	64	< 0.01	< 10	< 10	13	< 10	84	30
1122	201	229	3	0.01	20	620	8	2	5	75	0.02	< 10	< 10	46	< 10	92	50
1302	217	229	9	< 0.01	4	110	< 2	< 2	< 1	190	< 0.01	< 10	< 10	2	< 10	112	10
1303	201	229	3	< 0.01	23	1610	6	2	7	42	< 0.01	< 10	< 10	41	< 10	84	60
1304	217	229	8	0.01	29	390	< 2	< 2	5	264	< 0.01	< 10	< 10	19	< 10	112	30
1305	201	229	4	0.01	28	2260	10	< 2	2	66	< 0.01	< 10	< 10	28	< 10	128	100
1306	201	229	4	0.01	58	2050	4	4	13	53	< 0.01	< 10	< 10	54	< 10	170	140
1307	201	229	6	0.01	43	1780	12	6	13	72	< 0.01	< 10	< 10	43	< 10	140	180
1308	201	229	6	0.01	44	1170	14	8	10	45	< 0.01	< 10	< 10	40	< 10	170	110
1309	201	229	3	0.01	34	1100	20	4	8	21	< 0.01	< 10	< 10	44	< 10	282	40
1310	201	229	1	0.01	36	840	8	4	12	16	0.03	< 10	< 10	62	< 10	62	120
1311	201	229	1	0.01	43	750	28	12	6	30	0.01	< 10	< 10	65	< 10	220	30
1312	201	229	3	< 0.01	75	1020	44	10	13	58	0.02	< 10	< 10	57	< 10	364	120
1313	201	229	12	< 0.01	12	440	46	6	3	19	< 0.01	< 10	< 10	24	< 10	288	140
1314	201	229	4	< 0.01	21	490	26	14	5	16	< 0.01	< 10	< 10	31	< 10	190	140
1315	201	229	1	< 0.01	23	920	8	6	6	28	< 0.01	< 10	< 10	24	< 10	80	120
1316	201	229	2	< 0.01	35	2270	12	8	9	38	0.01	< 10	< 10	53	< 10	292	170
1317	217	229	4	0.01	19	930	2	4	4	32	0.01	< 10	< 10	38	< 10	120	120
1318	201	229	2	0.01	62	690	8	2	11	31	0.03	< 10	< 10	71	< 10	84	110
1319	201	229	3	0.01	46	270	8	< 2	7	68	0.03	< 10	< 10	69	< 10	66	30

CERTIFICATION:

*Hart Buchler*



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 Invoice No. : 19419407  
 P.O. Number : EX441622  
 Account : DRRR

Project : RAM-TUT-TOT  
 Comments : CC: ANDREW HAMILTON

## CERTIFICATE OF ANALYSIS A9419407

SAMPLE	PREP CODE		Au-AA	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
			ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
1320	201	229	35	< 0.2	1.02	96	790	3.0	2	0.45	< 0.5	7	20	51	1.82	10	< 1	0.23	110	0.33	560
1321	201	229	< 5	< 0.2	2.33	50	810	2.0	2	1.31	< 0.5	16	95	26	4.29	10	< 1	0.23	20	0.79	935
1322	201	229	10	< 0.2	1.96	66	880	2.5	4	0.58	< 0.5	21	85	60	4.21	10	< 1	0.17	40	0.90	2050
1323	217	229	< 5	< 0.2	0.67	10	2260	2.0	4	0.69	< 0.5	4	48	13	2.54	10	< 1	0.30	80	0.22	435
1324	201	229	25	< 0.2	0.75	30	1260	4.5	4	0.61	< 0.5	34	58	57	7.37	< 10	< 1	0.26	30	0.18	1475
1325	201	229	30	< 0.2	1.25	518	970	2.5	4	1.73	2.0	34	115	87	5.00	10	< 1	0.23	30	0.45	2770
1326	201	229	15	0.2	1.91	80	280	2.0	2	0.99	0.5	18	89	63	4.63	10	< 1	0.14	30	0.74	910
1327	201	229	10	< 0.2	1.19	96	350	1.0	4	0.87	< 0.5	22	76	34	4.37	< 10	< 1	0.16	10	0.45	1300
1328	201	229	10	< 0.2	1.59	46	180	1.0	2	0.87	< 0.5	16	82	52	3.56	< 10	< 1	0.15	20	0.83	770
1329	201	229	5	< 0.2	1.89	24	260	3.0	4	1.72	0.5	40	31	62	9.64	10	< 1	0.17	30	0.62	3360
1330	201	229	15	< 0.2	1.41	96	160	1.5	6	2.32	< 0.5	26	79	62	4.30	< 10	< 1	0.28	< 10	0.53	650
1331	201	229	45	0.2	0.91	82	140	1.5	4	7.36	< 0.5	26	54	93	4.14	< 10	< 1	0.23	< 10	0.47	610
1332	201	229	10	< 0.2	2.39	42	380	1.0	2	0.65	1.0	16	81	32	4.43	10	< 1	0.17	10	0.61	1925
1333	201	229	15	< 0.2	1.66	56	270	1.0	2	0.64	< 0.5	17	99	66	4.10	10	< 1	0.15	20	0.93	850
1334	201	229	25	< 0.2	1.58	38	270	0.5	2	0.48	< 0.5	13	52	26	3.33	10	< 1	0.17	20	0.99	485
1335	217	229	< 5	< 0.2	0.44	6	530	0.5	< 2	0.12	< 0.5	1	101	11	0.82	< 10	< 1	0.22	40	0.04	140
1336	201	229	< 5	< 0.2	1.92	46	240	1.0	4	0.75	< 0.5	18	132	59	4.49	10	< 1	0.16	10	1.04	800
1337	201	229	40	< 0.2	1.74	150	550	1.5	< 2	1.04	0.5	31	206	78	5.06	10	< 1	0.17	20	1.16	1370
1338	217	229	10	< 0.2	0.71	14	260	2.0	< 2	0.20	< 0.5	3	43	12	1.63	10	< 1	0.25	70	0.09	275
1339	201	229	25	< 0.2	1.24	40	1220	3.5	2	0.42	< 0.5	16	42	49	3.79	10	< 1	0.33	80	0.37	1165
1340	201	229	30	0.2	1.37	140	490	1.5	4	0.36	0.5	24	61	36	4.63	< 10	< 1	0.19	20	0.47	1055
1341	201	229	15	0.2	1.31	118	200	1.5	< 2	1.44	0.5	32	114	77	6.36	< 10	< 1	0.18	10	0.54	1215
1342	201	229	65	0.2	2.30	24	220	2.0	2	0.90	< 0.5	32	173	111	6.32	10	< 1	0.31	30	1.36	1040
1343	201	229	< 5	< 0.2	2.44	32	60	0.5	< 2	0.49	< 0.5	17	133	64	4.32	10	< 1	0.07	10	1.09	370
1344	201	229	< 5	< 0.2	2.40	24	110	0.5	< 2	0.69	< 0.5	19	148	59	4.30	< 10	< 1	0.09	10	1.27	450
1345	201	229	< 5	< 0.2	2.13	26	130	0.5	< 2	0.74	< 0.5	21	172	73	4.39	< 10	< 1	0.11	10	1.45	560
1346	201	229	< 5	< 0.2	1.52	18	200	< 0.5	2	0.41	< 0.5	12	98	31	3.89	< 10	< 1	0.12	< 10	0.79	395
1347	201	229	< 5	< 0.2	1.70	28	240	0.5	2	0.90	< 0.5	19	139	96	3.84	< 10	< 1	0.09	10	1.20	695
1348	201	229	180	0.6	1.15	52	370	2.0	< 2	0.42	4.0	12	38	34	2.75	10	< 1	0.15	40	0.44	1610
1349	201	229	30	0.4	1.24	50	590	2.5	< 2	1.24	1.0	16	36	46	5.13	< 10	< 1	0.17	20	0.69	4150
1350	201	229	< 5	< 0.2	1.97	38	180	0.5	2	0.50	< 0.5	14	71	63	4.28	10	< 1	0.15	10	0.87	435
1351	203	205	10	< 0.2	1.05	24	1340	1.0	2	1.14	1.0	12	69	34	2.86	10	< 1	0.28	40	0.38	1230
1352	203	205	< 5	0.2	1.23	180	570	1.5	2	0.74	1.0	12	75	26	2.95	10	< 1	0.47	70	0.32	940
1353	201	229	170	1.8	0.82	126	910	3.0	2	1.51	0.5	16	38	89	3.41	< 10	< 1	0.24	20	0.33	1460
1354	203	205	< 5	< 0.2	1.71	80	390	1.5	< 2	0.76	< 0.5	14	110	29	3.71	10	< 1	0.27	30	0.47	1550
1355	203	205	10	< 0.2	1.99	30	270	0.5	< 2	2.35	< 0.5	22	105	57	4.34	< 10	< 1	0.40	< 10	1.91	1010
1356	201	229	50	< 0.2	1.61	32	320	1.5	2	0.22	< 0.5	10	75	27	3.39	< 10	< 1	0.13	20	0.52	495
1357	201	229	30	0.4	1.77	94	500	1.5	2	0.71	0.5	17	106	47	4.42	10	< 1	0.16	30	0.65	1960
1358	201	229	30	0.4	1.57	78	660	1.5	2	1.38	1.0	17	107	58	3.80	10	< 1	0.16	30	1.16	2520
1359	203	205	85	0.2	1.52	26	1140	1.5	2	0.92	< 0.5	12	91	38	2.89	10	< 1	0.31	50	0.57	870

CERTIFICATION: *Hart Buchler*





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NORTH AMERICAN METALS CORP.  
 EXPLORATION GOLDEN BEAR MINE  
 1500 - 700 W. PENDER ST.  
 VANCOUVER, BC  
 V6C 1G8

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 Invoice No. : 19419407  
 P.O. Number : EX441622  
 Account : DRRA

Project : RAM-TUT-TOT  
 Comments : CC: ANDREW HAMILTOM

## CERTIFICATE OF ANALYSIS A9419407

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Hg ppb
1320	201 229	2 < 0.01		14	350	20	4	4	25 < 0.01	< 10	< 10	20	< 10	62	30	
1321	201 229	2 0.01		40	600	16	6	8	28 0.02	< 10	< 10	85	< 10	376	50	
1322	201 229	1 0.01		45	600	6	4	12	20 0.04	< 10	< 10	80	< 10	100	70	
1323	217 229	3 < 0.01		9	490	10	2	2	74 < 0.01	< 10	< 10	14	< 10	58	30	
1324	201 229	6 < 0.01		83	800	14	4	31	26 < 0.01	< 10	< 10	54	< 10	84	110	
1325	201 229	2 < 0.01		64	2620	18	6	15	33 0.01	< 10	< 10	80	< 10	286	320	
1326	201 229	2 0.01		55	1130	8	12	17	25 0.01	< 10	< 10	81	< 10	104	80	
1327	201 229	3 < 0.01		43	940	20	6	8	23 0.01	< 10	< 10	72	< 10	176	60	
1328	201 229	< 1 0.01		44	760	6	4	11	22 0.04	< 10	< 10	78	< 10	100	120	
1329	201 229	< 1 0.01		47	1700	2	12	37	38 < 0.01	< 10	< 10	116	< 10	116	60	
1330	201 229	1 0.01		71	1830	8	10	25	40 < 0.01	< 10	< 10	90	< 10	86	150	
1331	201 229	2 0.01		57	1550	10	18	23	67 < 0.01	< 10	< 10	55	< 10	106	250	
1332	201 229	< 1 0.01		33	1020	12	4	7	22 0.03	< 10	< 10	100	< 10	316	40	
1333	201 229	1 0.01		48	950	8	4	11	20 0.04	< 10	< 10	94	< 10	76	50	
1334	201 229	< 1 0.01		27	250	4	< 2	5	21 0.10	< 10	< 10	78	< 10	68	30	
1335	217 229	1 < 0.01		4	270	4	2	1	21 < 0.01	< 10	< 10	6	< 10	44	20	
1336	201 229	< 1 0.01		57	890	8	2	7	25 0.07	< 10	< 10	115	< 10	168	420	
1337	201 229	1 0.01		105	780	6	6	20	22 0.01	< 10	< 10	96	< 10	102	600	
1338	217 229	7 < 0.01		6	180	2	2	1	12 < 0.01	< 10	< 10	7	< 10	18	50	
1339	201 229	7 < 0.01		30	530	14	4	11	24 < 0.01	< 10	< 10	34	< 10	82	30	
1340	201 229	2 0.01		35	560	14	6	8	26 0.01	< 10	< 10	62	< 10	164	20	
1341	201 229	4 < 0.01		102	960	16	10	26	31 < 0.01	< 10	< 10	91	< 10	226	310	
1342	201 229	< 1 0.01		68	1910	< 2	4	28	33 0.03	< 10	< 10	168	< 10	80	310	
1343	201 229	< 1 0.02		54	550	< 2	2	8	20 0.08	< 10	< 10	120	< 10	72	170	
1344	201 229	< 1 0.02		58	510	< 2	2	8	22 0.09	< 10	< 10	121	< 10	72	20	
1345	201 229	< 1 0.02		69	560	2	2	9	24 0.11	< 10	< 10	125	< 10	56	30	
1346	201 229	1 0.01		36	1360	4	2	4	15 0.05	< 10	< 10	112	< 10	70	50	
1347	201 229	< 1 0.01		63	630	< 2	2	12	24 0.06	< 10	< 10	100	< 10	52	50	
1348	201 229	3 < 0.01		21	700	34	6	6	11 < 0.01	< 10	< 10	36	< 10	666	100	
1349	201 229	3 < 0.01		32	1080	14	6	15	20 < 0.01	< 10	< 10	47	< 10	336	260	
1350	201 229	< 1 0.02		34	1060	< 2	2	6	25 0.06	< 10	< 10	113	< 10	70	90	
1351	203 205	2 0.01		26	1130	2	2	6	50 0.01	< 10	< 10	38	< 10	88	70	
1352	203 205	4 0.01		23	860	12	4	7	24 < 0.01	< 10	< 10	37	< 10	188	70	
1353	201 229	4 < 0.01		39	1130	6	16	14	33 < 0.01	< 10	< 10	30	< 10	156	320	
1354	203 205	1 0.01		31	1040	8	2	8	12 0.01	< 10	< 10	60	< 10	96	110	
1355	203 205	< 1 0.01		53	900	< 2	4	15	30 0.04	< 10	< 10	87	10	86	130	
1356	201 229	1 0.01		30	590	6	2	3	10 < 0.01	< 10	< 10	58	< 10	88	20	
1357	201 229	6 0.01		36	660	8	6	7	23 0.02	< 10	< 10	81	< 10	332	40	
1358	201 229	2 0.01		47	720	4	6	9	28 0.02	< 10	< 10	71	< 10	386	90	
1359	203 205	1 0.02		26	740	4	2	6	42 0.02	< 10	< 10	62	< 10	72	70	

CERTIFICATION: Hart Buchler



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NORTH AMERICAN METALS CORP.  
EXPLORATION GOLDEN BEAR MINE  
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V6C 1G8

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Invoice No. : I9419407  
P.O. Number : EX441622  
Account : DRRRA

Project : RAM-TUT-TOT  
Comments : CC: ANDREW HAMILTOM

## CERTIFICATE OF ANALYSIS A9419407

SAMPLE	PREP CODE	Au-AA ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
1360	201 229	25	0.2	1.37	496	200	1.0	2	1.56	0.5	18	67	73	4.91	< 10	< 1	0.17	20	0.68	1100
1361	201 229	< 5	< 0.2	1.11	66	110	1.0	< 2	1.35	0.5	16	70	59	3.75	< 10	< 1	0.15	10	0.44	805
1362	201 229	< 5	0.2	0.96	44	120	1.0	< 2	0.92	1.5	15	68	59	3.52	< 10	< 1	0.14	10	0.49	650
1363	201 229	< 5	< 0.2	1.85	48	150	0.5	< 2	1.33	0.5	19	196	99	4.42	< 10	< 1	0.14	10	1.52	370
1364	201 229	170	0.4	0.90	46	190	1.0	2	1.28	1.0	21	52	112	4.09	< 10	< 1	0.15	10	0.50	1020
1365	201 229	< 5	< 0.2	2.25	28	130	0.5	< 2	0.73	< 0.5	23	173	123	4.42	10	< 1	0.14	10	1.60	775
1366	201 229	< 5	< 0.2	1.98	34	140	< 0.5	< 2	0.74	< 0.5	26	191	92	4.49	< 10	< 1	0.22	10	1.58	905
1367	201 229	< 5	< 0.2	1.83	68	290	< 0.5	< 2	1.42	< 0.5	32	142	142	4.65	< 10	< 1	0.29	10	1.38	2220
1368	201 229	5	0.4	1.91	180	460	0.5	< 2	1.18	< 0.5	43	199	134	7.46	10	< 1	0.25	10	1.30	2020
1369	201 229	5	0.2	1.87	68	470	0.5	< 2	0.86	0.5	34	140	89	5.05	10	< 1	0.25	10	1.14	2520
1370	201 229	10	0.2	1.18	134	770	0.5	< 2	1.72	< 0.5	30	126	99	4.87	< 10	< 1	0.20	< 10	0.79	1945
1371	201 229	5	< 0.2	1.97	36	120	0.5	2	0.66	< 0.5	21	165	72	4.35	10	< 1	0.16	10	1.38	730
1372	201 229	55	< 0.2	1.79	44	110	0.5	2	0.94	< 0.5	17	110	70	3.60	10	< 1	0.13	10	0.90	460

CERTIFICATION: *Hart Bichler*



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NORTH AMERICAN METALS CORP.  
EXPLORATION GOLDEN BEAR MINE  
1500' - 700 W. PENDER ST.  
VANCOUVER, BC  
V6C 1G8

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P.O. Number : EX441622  
Account : DRRA

Project : RAM-TUT-TOT  
Comments : CC: ANDREW HAMILTOM

## CERTIFICATE OF ANALYSIS

### A9419407

SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn	Hg
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb
1360	201	229	1	0.01	46	1640	6	4	16	34	< 0.01	< 10	< 10	77	< 10	102	70
1361	201	229	1	< 0.01	54	1810	4	4	12	32	< 0.01	< 10	< 10	66	< 10	106	60
1362	201	229	4	< 0.01	60	1080	14	8	11	18	< 0.01	< 10	< 10	47	< 10	218	310
1363	201	229	1	0.01	103	1020	2	4	19	43	0.02	< 10	< 10	97	< 10	104	200
1364	201	229	2	< 0.01	69	1440	8	18	11	32	< 0.01	< 10	< 10	41	< 10	388	140
1365	201	229	< 1	0.02	76	950	2	2	12	23	0.11	< 10	< 10	120	< 10	56	50
1366	201	229	< 1	0.02	80	1000	< 2	2	11	26	0.10	< 10	< 10	124	< 10	58	60
1367	201	229	3	0.01	68	2080	< 2	2	18	42	0.03	< 10	< 10	121	< 10	122	80
1368	201	229	< 1	0.01	132	1930	2	4	29	31	0.01	< 10	< 10	125	< 10	92	470
1369	201	229	1	0.02	60	1670	8	2	13	36	0.06	< 10	< 10	119	< 10	128	50
1370	201	229	< 1	0.01	94	2480	4	4	15	43	0.01	< 10	< 10	88	< 10	128	150
1371	201	229	< 1	0.02	65	690	2	2	7	25	0.10	< 10	< 10	118	< 10	66	40
1372	201	229	1	0.02	58	590	6	2	12	22	0.04	< 10	< 10	83	< 10	70	20

CERTIFICATION: Hart Buchler



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To: NORTH AMERICAN METALS CORP.  
 EXPLORATION GOLDEN BEAR MINE  
 1500 - 700 W. PENDER ST.  
 VANCOUVER, BC  
 V6C 1G8

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 P.O. Number : EX441622  
 Account : DRRA

Project : RAM-TOT-TUT  
 Comments : CC: ANDREW HAMILTON

## CERTIFICATE OF ANALYSIS A9421623

SAMPLE	PREP CODE	Au-AA ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
1382	201 229	2300	2.4	1.04	44	790	3.0	< 2	0.25	0.5	8	28	106	3.72	< 10	< 1	0.21	110	0.24	1360
1607	201 229	15	0.2	0.86	444	360	0.5	< 2	0.39	< 0.5	35	28	125	7.51	10	< 1	0.18	< 10	0.31	1710
1608	201 229	10	1.0	0.88	1135	150	0.5	< 2	0.55	2.0	50	32	359	7.46	10	< 1	0.11	10	0.56	1305
1609	201 229	15	< 0.2	1.03	134	250	0.5	< 2	1.17	< 0.5	32	35	118	6.97	< 10	< 1	0.16	< 10	0.88	1230
1610	201 229	< 5	< 0.2	1.43	100	150	< 0.5	< 2	2.35	< 0.5	31	32	131	5.96	10	< 1	0.17	< 10	0.99	975
1611	201 229	20	< 0.2	1.03	288	190	0.5	2	1.22	< 0.5	23	21	97	5.84	< 10	< 1	0.19	< 10	0.56	1280
1612	201 229	335	0.4	1.06	192	390	0.5	2	1.89	< 0.5	29	24	115	6.53	10	< 1	0.29	< 10	0.82	1740
1613	201 229	< 5	< 0.2	1.21	158	110	< 0.5	< 2	0.05	< 0.5	10	33	60	6.06	10	< 1	0.07	< 10	0.18	890
1614	201 229	< 5	< 0.2	1.55	280	270	0.5	< 2	0.49	< 0.5	14	34	39	6.08	10	< 1	0.08	10	0.57	880
1615	201 229	< 5	0.4	1.78	52	200	0.5	< 2	0.50	< 0.5	34	42	337	8.45	10	< 1	0.10	10	0.71	1535
1616	201 229	< 5	< 0.2	1.81	124	210	0.5	< 2	0.90	< 0.5	38	47	288	7.22	10	< 1	0.11	< 10	0.73	1710
1617	201 229	< 5	< 0.2	1.94	130	210	0.5	< 2	0.63	< 0.5	21	71	115	6.01	10	< 1	0.11	< 10	0.71	1175
1618	201 229	< 5	< 0.2	1.56	208	200	0.5	< 2	0.22	< 0.5	12	47	67	6.04	10	< 1	0.10	< 10	0.45	610
1619	201 229	< 5	< 0.2	1.77	316	120	< 0.5	< 2	0.08	< 0.5	12	52	49	6.18	10	< 1	0.11	< 10	0.55	1025
1620	201 229	< 5	0.2	1.28	338	290	< 0.5	2	0.18	0.5	18	47	59	6.58	10	< 1	0.14	< 10	0.32	1880
1622	201 229	10	0.2	1.97	282	180	0.5	< 2	0.26	< 0.5	20	92	67	6.31	10	< 1	0.13	< 10	0.93	1065
1623	201 229	10	< 0.2	1.95	212	210	< 0.5	< 2	0.32	< 0.5	23	96	55	6.67	10	< 1	0.13	< 10	0.86	1490
1624	201 229	110	< 0.2	1.41	204	300	0.5	< 2	0.65	< 0.5	24	63	80	5.93	10	< 1	0.16	< 10	1.10	1065
1625	201 229	10	< 0.2	1.91	92	240	0.5	< 2	0.34	0.5	22	102	52	6.82	10	< 1	0.16	< 10	0.99	915
1626	201 229	30	< 0.2	2.21	384	290	0.5	4	0.64	< 0.5	26	102	84	6.89	10	3	0.21	< 10	1.55	1205
1627	201 229	315	< 0.2	1.45	224	380	0.5	< 2	0.75	< 0.5	18	63	85	5.60	10	< 1	0.19	< 10	0.92	900
1628	201 229	60	< 0.2	1.48	234	320	0.5	< 2	0.51	< 0.5	28	58	208	6.98	10	< 1	0.28	< 10	1.07	1675
1629	201 229	25	< 0.2	1.60	300	370	0.5	< 2	1.45	< 0.5	20	71	42	4.59	< 10	< 1	0.31	< 10	1.65	1100
1630	201 229	< 5	< 0.2	2.09	380	210	0.5	< 2	1.33	< 0.5	26	96	47	5.07	10	< 1	0.23	< 10	2.39	690
1632	201 229	5	< 0.2	2.19	396	200	< 0.5	< 2	2.64	< 0.5	26	101	17	4.53	< 10	< 1	0.50	< 10	3.38	750
1633	201 229	35	< 0.2	1.97	296	240	< 0.5	< 2	1.65	< 0.5	26	74	43	5.10	10	< 1	0.43	< 10	2.41	970
1634	201 229	< 5	< 0.2	2.35	236	260	0.5	< 2	0.94	< 0.5	26	98	21	4.85	< 10	< 1	0.22	< 10	2.55	925
1635	201 229	5	< 0.2	2.39	320	320	< 0.5	< 2	1.79	< 0.5	23	92	38	4.35	< 10	< 1	0.51	< 10	3.10	805
1637	201 229	5	< 0.2	2.48	288	330	< 0.5	< 2	2.11	< 0.5	23	88	30	4.30	10	< 1	0.57	< 10	2.84	615
1638	201 229	5	0.2	2.34	224	260	< 0.5	< 2	1.08	< 0.5	24	86	30	4.72	10	< 1	0.22	< 10	2.71	740
1639	201 229	50	< 0.2	0.90	114	260	1.0	< 2	0.23	< 0.5	12	37	29	3.49	< 10	< 1	0.24	50	0.54	640
1641	201 229	< 5	< 0.2	2.53	64	110	< 0.5	< 2	1.69	< 0.5	27	96	25	5.10	10	< 1	0.57	< 10	3.01	665
1642	201 229	< 5	< 0.2	1.56	96	140	< 0.5	< 2	3.19	< 0.5	28	54	16	4.02	< 10	< 1	0.50	< 10	2.46	770
1643	201 229	< 5	< 0.2	2.21	124	160	< 0.5	< 2	0.79	< 0.5	28	86	38	5.00	10	< 1	0.38	< 10	2.41	1105
1651	201 229	85	< 0.2	1.22	966	300	0.5	< 2	0.51	< 0.5	27	67	112	7.37	< 10	1	0.15	< 10	0.76	1985
1652	201 229	65	< 0.2	1.07	210	270	0.5	< 2	1.07	< 0.5	25	40	84	6.38	< 10	< 1	0.21	< 10	0.89	1405
1653	201 229	10	< 0.2	1.51	208	410	0.5	< 2	0.99	< 0.5	21	55	78	6.24	< 10	< 1	0.22	10	0.95	1245
1654	201 229	5	< 0.2	1.96	338	110	< 0.5	< 2	0.13	< 0.5	19	72	71	6.92	10	< 1	0.12	< 10	0.89	1260
1655	201 229	15	< 0.2	1.74	398	210	< 0.5	< 2	0.70	< 0.5	22	68	65	6.37	10	< 1	0.11	< 10	0.84	1330
1656	201 229	< 5	< 0.2	1.56	154	340	< 0.5	< 2	0.76	< 0.5	20	53	63	5.92	10	< 1	0.16	< 10	0.85	1150

CERTIFICATION:

*Jan Buehler*



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
PHONE: 604-984-0221

To: NORTH AMERICAN METALS CORP.  
EXPLORATION GOLDEN BEAR MINE  
1500 - 700 W. PENDER ST.  
VANCOUVER, BC  
V6C 1G8

Page Number : 1-B  
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Certificate Date: 09-AUG-94  
Invoice No. : 19421623  
P.O. Number : EX441622  
Account : DRRA

Project : RAM-TOT-TUT  
Comments: CC: ANDREW HAMILTON

## CERTIFICATE OF ANALYSIS

### A9421623

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Hg ppb
1382	201 229	4 < 0.01		17	390	22	14	5	13 < 0.01	< 10	< 10	< 10	25	< 10	168	160
1607	201 229	3 < 0.01		42	690	12	6	25	12 < 0.01	< 10	< 10	< 10	109	10	194	480
1608	201 229	7 < 0.01		92	740	16	58	19	33 < 0.01	< 10	< 10	< 10	95	< 10	346	1650
1609	201 229	7 < 0.01		58	1260	< 2	4	19	19 < 0.01	< 10	< 10	< 10	97	< 10	108	330
1610	201 229	4 0.01		26	1430	< 2	< 2	20	46 < 0.01	< 10	< 10	< 10	128	< 10	70	80
1611	201 229	2 < 0.01		24	1230	< 2	2	16	17 < 0.01	< 10	< 10	< 10	80	< 10	80	370
1612	201 229	7 < 0.01		47	1160	6	6	16	34 < 0.01	< 10	< 10	< 10	75	< 10	122	760
1613	201 229	2 < 0.01		18	1160	< 2	12	7	5 < 0.01	< 10	< 10	< 10	100	< 10	74	330
1614	201 229	2 < 0.01		20	1390	< 2	2	17	9 < 0.01	< 10	< 10	< 10	86	< 10	60	130
1615	201 229	3 0.01		21	1590	< 2	< 2	26	14 0.01	< 10	< 10	< 10	188	10	70	100
1616	201 229	3 0.01		26	1370	2	4	27	21 0.01	< 10	< 10	< 10	176	< 10	78	110
1617	201 229	2 0.01		31	1770	< 2	4	22	18 0.01	< 10	< 10	< 10	145	< 10	68	140
1618	201 229	3 < 0.01		28	1110	2	2	12	8 < 0.01	< 10	< 10	< 10	121	< 10	108	410
1619	201 229	2 < 0.01		26	1610	< 2	2	7	7 < 0.01	< 10	< 10	< 10	125	< 10	126	340
1620	201 229	3 < 0.01		33	1630	6	4	12	8 < 0.01	< 10	< 10	< 10	111	< 10	148	590
1622	201 229	3 < 0.01		50	1350	2	8	17	9 < 0.01	< 10	< 10	< 10	126	< 10	140	550
1623	201 229	3 0.01		43	1880	< 2	2	12	11 < 0.01	< 10	< 10	< 10	133	< 10	132	370
1624	201 229	2 < 0.01		50	640	2	2	19	16 < 0.01	< 10	< 10	< 10	90	< 10	96	780
1625	201 229	2 < 0.01		63	1090	< 2	< 2	29	9 < 0.01	< 10	< 10	< 10	130	< 10	102	1000
1626	201 229	2 0.01		67	900	4	2	25	11 0.01	< 10	< 10	< 10	134	< 10	220	3550
1627	201 229	2 < 0.01		43	1000	< 2	4	20	17 < 0.01	< 10	< 10	< 10	87	< 10	102	660
1628	201 229	3 < 0.01		50	990	2	4	21	10 0.01	< 10	< 10	< 10	83	< 10	94	340
1629	201 229	2 < 0.01		49	980	< 2	12	17	17 0.02	< 10	< 10	< 10	88	< 10	122	510
1630	201 229	2 < 0.01		68	790	< 2	6	19	19 0.05	< 10	< 10	< 10	110	< 10	108	750
1632	201 229	1 < 0.01		64	750	< 2	4	15	24 0.10	< 10	< 10	< 10	110	< 10	108	490
1633	201 229	2 < 0.01		58	1000	< 2	4	15	19 0.09	< 10	< 10	< 10	93	< 10	104	300
1634	201 229	1 < 0.01		62	720	< 2	< 2	15	10 0.11	< 10	< 10	< 10	102	< 10	110	530
1635	201 229	1 < 0.01		59	740	< 2	< 2	12	19 0.14	< 10	< 10	< 10	97	< 10	94	790
1637	201 229	< 1 < 0.01		57	610	< 2	2	11	23 0.17	< 10	< 10	< 10	84	< 10	94	1200
1638	201 229	1 < 0.01		59	670	< 2	4	13	13 0.15	< 10	< 10	< 10	93	< 10	88	460
1639	201 229	1 < 0.01		33	230	< 2	2	7	6 < 0.01	< 10	< 10	< 10	34	< 10	66	980
1641	201 229	1 < 0.01		63	900	< 2	6	13	18 0.13	< 10	< 10	< 10	100	< 10	90	620
1642	201 229	1 < 0.01		53	730	< 2	6	16	22 0.04	< 10	< 10	< 10	73	< 10	102	870
1643	201 229	1 < 0.01		70	600	< 2	2	15	9 0.11	< 10	< 10	< 10	86	< 10	68	470
1651	201 229	4 < 0.01		70	680	6	4	24	9 < 0.01	< 10	< 10	< 10	99	< 10	146	1900
1652	201 229	2 < 0.01		39	900	< 2	6	19	17 < 0.01	< 10	< 10	< 10	79	< 10	108	190
1653	201 229	3 < 0.01		43	910	< 2	2	22	20 < 0.01	< 10	< 10	< 10	92	< 10	118	250
1654	201 229	3 0.01		36	1090	< 2	2	10	8 0.01	< 10	< 10	< 10	157	< 10	112	270
1655	201 229	1 < 0.01		41	920	< 2	2	15	15 0.01	< 10	< 10	< 10	127	< 10	120	840
1656	201 229	3 < 0.01		29	1070	< 2	4	17	20 0.01	< 10	< 10	< 10	125	< 10	110	350

CERTIFICATION:

*Hank Buchler*



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 VANCOUVER, BC  
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 Invoice No. :I9421623  
 P.O. Number :EX441622  
 Account :DRRA

Project : RAM-TOT-TUT  
 Comments: CC: ANDREW HAMILTON

## CERTIFICATE OF ANALYSIS A9421623

SAMPLE	PREP CODE	Au-AA ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
1657	201 229	30	< 0.2	2.30	164	140	0.5	< 2	0.20	< 0.5	24	85	65	5.67	10	< 1	0.11	< 10	1.65	1555
1658	201 229	< 5	< 0.2	1.37	234	330	0.5	< 2	0.39	< 0.5	18	38	72	6.77	10	< 1	0.18	< 10	0.44	1175
1659	201 229	5	< 0.2	1.82	218	160	0.5	< 2	0.37	< 0.5	13	53	31	5.07	< 10	< 1	0.17	< 10	0.93	780
1660	201 229	5	< 0.2	2.11	126	110	< 0.5	< 2	0.13	< 0.5	15	95	23	5.31	10	< 1	0.16	< 10	0.98	1305
1661	201 229	5	< 0.2	2.30	126	200	< 0.5	< 2	0.45	< 0.5	19	84	25	4.91	10	< 1	0.18	< 10	1.54	1230
1662	201 229	10	< 0.2	1.01	392	290	0.5	< 2	1.23	0.5	26	45	102	7.46	< 10	< 1	0.14	10	0.66	1870
1663	201 229	10	< 0.2	1.86	254	200	0.5	2	0.30	< 0.5	18	79	60	6.05	10	< 1	0.14	< 10	1.04	980
1664	201 229	25	< 0.2	1.71	336	190	0.5	2	0.52	< 0.5	22	84	40	5.21	10	< 1	0.20	< 10	1.39	1220
1665	201 229	20	< 0.2	2.24	220	270	0.5	< 2	0.58	< 0.5	21	91	32	5.41	< 10	< 1	0.17	< 10	1.63	955
1666	201 229	10	< 0.2	2.08	220	210	0.5	< 2	0.59	< 0.5	21	86	32	5.34	< 10	< 1	0.18	< 10	1.56	1015
1667	201 229	5	< 0.2	1.68	396	250	0.5	< 2	0.44	< 0.5	25	79	46	6.14	< 10	< 1	0.23	< 10	1.00	1490
1668	201 229	10	< 0.2	1.22	936	290	0.5	< 2	0.81	< 0.5	27	49	94	6.59	10	< 1	0.23	10	0.82	1420
1669	201 229	10	< 0.2	1.76	920	240	0.5	< 2	0.76	0.5	25	81	55	6.03	10	< 1	0.20	< 10	1.23	1310
1670	201 229	2	< 0.2	2.23	248	360	0.5	< 2	0.99	< 0.5	22	78	65	6.74	10	< 1	0.16	< 10	1.49	1000
1671	201 229	25	< 0.2	2.03	214	230	0.5	< 2	1.74	< 0.5	26	77	69	5.97	< 10	< 1	0.21	< 10	2.08	1185
1672	201 229	5	< 0.2	2.31	158	430	0.5	< 2	0.96	< 0.5	28	97	71	5.55	10	< 1	0.20	10	2.39	1465
1673	201 229	15	< 0.2	2.12	286	590	0.5	< 2	0.73	< 0.5	27	88	32	6.48	10	< 1	0.25	< 10	1.87	1605
1674	201 229	5	< 0.2	1.83	160	280	< 0.5	< 2	0.90	< 0.5	18	81	38	4.71	< 10	< 1	0.21	< 10	1.95	535
1675	201 229	< 5	< 0.2	2.16	252	340	0.5	< 2	0.42	< 0.5	28	106	52	6.46	10	< 1	0.18	10	1.83	1660
1677	201 229	< 5	< 0.2	3.06	70	90	< 0.5	2	0.92	< 0.5	22	113	13	4.58	10	< 1	0.18	< 10	3.75	1110
1679	201 229	25	< 0.2	0.85	72	90	0.5	< 2	6.12	0.5	18	58	39	3.29	< 10	< 1	0.18	< 10	0.59	555
1680	201 229	55	< 0.2	0.58	62	240	0.5	< 2	4.79	2.0	12	22	55	2.50	< 10	< 1	0.15	10	0.38	775
1681	201 229	40	< 0.2	1.56	38	200	1.0	< 2	0.50	< 0.5	15	49	37	3.96	< 10	< 1	0.12	20	0.50	475
1682	201 229	5	< 0.2	1.74	58	550	2.5	2	1.11	1.0	34	159	94	5.66	10	< 1	0.34	20	0.99	1615
1683	201 229	20	< 0.2	1.41	38	320	1.0	2	1.00	0.5	19	78	65	3.97	< 10	< 1	0.14	20	0.72	1110
1684	201 229	20	< 0.2	0.45	16	1610	2.0	< 2	1.10	0.5	6	9	32	2.36	< 10	< 1	0.20	40	0.14	1680
1685	201 229	445	0.6	1.16	42	650	1.5	< 2	0.63	0.5	13	55	70	3.63	< 10	< 1	0.24	30	0.58	1020
1686	201 229	670	< 0.2	1.13	80	1850	3.0	< 2	1.39	1.5	14	37	65	4.18	< 10	< 1	0.27	60	0.33	2740
1687	201 229	15	< 0.2	0.99	22	380	1.5	< 2	0.68	< 0.5	31	84	15	5.78	< 10	< 1	0.13	< 10	0.23	970
1688	201 229	50	< 0.2	1.69	102	340	1.0	< 2	1.56	0.5	18	103	71	5.00	< 10	< 1	0.24	20	0.65	880
1689	201 229	50	< 0.2	1.42	88	370	1.5	< 2	1.27	0.5	21	88	49	5.16	< 10	< 1	0.24	20	0.63	1565
1690	201 229	45	< 0.2	2.25	86	370	1.0	< 2	0.88	< 0.5	26	203	103	6.30	10	< 1	0.13	20	1.43	830
1692	201 229	40	< 0.2	1.89	54	560	0.5	< 2	0.44	0.5	23	143	40	5.20	10	< 1	0.27	10	0.83	975
1693	201 229	45	< 0.2	1.20	54	240	1.0	2	0.52	1.0	19	29	33	4.05	< 10	< 1	0.15	20	0.26	2020
1694	201 229	110	0.2	1.42	70	280	1.0	< 2	1.03	0.5	19	45	62	4.28	< 10	< 1	0.23	20	0.48	825
1695	201 229	10	< 0.2	0.62	28	80	1.0	< 2	2.77	< 0.5	9	19	32	3.94	< 10	< 1	0.15	< 10	0.24	240
1701	201 229	50	< 0.2	1.65	132	320	0.5	< 2	1.35	< 0.5	26	220	89	4.64	< 10	< 1	0.14	< 10	1.70	715
1702	201 229	40	< 0.2	1.14	112	1020	1.0	2	2.36	2.5	25	107	74	4.24	< 10	< 1	0.19	10	0.62	2030
1703	201 229	30	< 0.2	1.00	70	780	1.0	< 2	2.47	2.0	18	66	100	3.28	< 10	< 1	0.19	10	0.53	1950
1704	201 229	25	< 0.2	1.76	72	540	1.0	2	0.69	1.0	25	119	69	5.38	10	< 1	0.15	20	0.49	1440

CERTIFICATION:

*Hart Buchler*



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### A9421623

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Hg ppb
1657	201 229	2 < 0.01		55	770	< 2	< 2	15	7	0.03	< 10	< 10	106	< 10	108	510
1658	201 229	2 < 0.01		32	1170	< 2	< 2	23	9	< 0.01	< 10	< 10	118	< 10	132	370
1659	201 229	2 < 0.01		34	1060	2	2	12	9	0.01	< 10	< 10	90	< 10	110	450
1660	201 229	2	0.01	33	1230	< 2	< 2	4	8	0.02	< 10	< 10	116	< 10	90	270
1661	201 229	1	0.01	40	1140	< 2	2	9	9	0.04	< 10	< 10	102	< 10	112	330
1662	201 229	4 < 0.01		47	1130	< 2	6	27	15	< 0.01	< 10	< 10	118	< 10	202	1050
1663	201 229	2 < 0.01		45	1270	< 2	2	15	8	0.01	< 10	< 10	118	< 10	106	910
1664	201 229	1 < 0.01		51	910	2	8	15	10	0.03	< 10	< 10	100	< 10	134	750
1665	201 229	2 < 0.01		49	960	< 2	2	17	10	0.04	< 10	< 10	106	< 10	116	750
1666	201 229	1	0.01	49	1210	< 2	4	15	10	0.03	< 10	< 10	105	< 10	110	630
1667	201 229	1 < 0.01		49	1550	< 2	12	16	9	0.01	< 10	< 10	97	< 10	152	610
1668	201 229	4 < 0.01		52	920	6	26	23	14	< 0.01	< 10	< 10	97	< 10	150	1000
1669	201 229	2 < 0.01		55	1170	8	20	24	13	0.01	< 10	< 10	113	< 10	146	1200
1670	201 229	2	0.01	45	970	4	4	27	15	0.02	< 10	< 10	143	< 10	104	1550
1671	201 229	1	0.01	54	830	< 2	2	19	19	0.07	< 10	< 10	119	< 10	96	710
1672	201 229	2	0.01	69	760	< 2	2	18	14	0.14	< 10	< 10	107	< 10	92	550
1673	201 229	1 < 0.01		55	1180	< 2	4	19	16	0.08	< 10	< 10	109	< 10	108	370
1674	201 229	1 < 0.01		54	840	< 2	2	15	16	0.09	< 10	< 10	90	< 10	82	370
1675	201 229	1 < 0.01		76	620	< 2	4	21	12	0.04	< 10	< 10	124	< 10	94	540
1677	201 229	< 1 < 0.01		60	810	< 2	2	10	11	0.22	< 10	< 10	111	< 10	80	370
1679	201 229	2	0.01	59	1080	< 2	4	11	67	< 0.01	< 10	< 10	49	< 10	156	70
1680	201 229	2	0.01	30	2040	6	2	6	57	< 0.01	< 10	< 10	29	< 10	352	110
1681	201 229	2	0.01	35	300	6	2	8	15	0.01	< 10	< 10	66	< 10	68	50
1682	201 229	1	0.01	138	1370	6	< 2	31	51	0.02	< 10	< 10	96	< 10	184	20
1683	201 229	1	0.01	48	710	8	4	13	34	0.02	< 10	< 10	79	< 10	96	160
1684	201 229	2 < 0.01		8	790	6	2	2	31	< 0.01	< 10	< 10	11	< 10	186	110
1685	201 229	2	0.01	37	490	16	< 2	9	23	0.02	< 10	< 10	53	< 10	150	100
1686	201 229	4 < 0.01		44	1250	22	4	9	46	0.01	< 10	< 10	39	< 10	186	130
1687	201 229	1 < 0.01		130	350	< 2	< 2	35	22	< 0.01	< 10	< 10	66	< 10	86	100
1688	201 229	2	0.01	69	2060	8	4	18	29	0.01	< 10	< 10	81	< 10	134	130
1689	201 229	3	0.01	58	1060	14	6	15	28	0.01	< 10	< 10	74	< 10	158	120
1690	201 229	4	0.01	104	430	2	6	25	48	0.01	< 10	< 10	130	< 10	82	250
1692	201 229	2	0.02	70	570	< 2	4	10	31	0.03	< 10	< 10	110	< 10	122	10
1693	201 229	3 < 0.01		29	610	24	2	7	15	0.01	< 10	< 10	51	< 10	200	40
1694	201 229	3	0.01	39	940	4	6	14	19	0.01	< 10	< 10	62	< 10	108	90
1695	201 229	2 < 0.01		57	490	< 2	< 2	13	29	< 0.01	< 10	< 10	24	< 10	92	50
1701	201 229	1	0.01	117	780	< 2	2	18	29	0.01	< 10	< 10	95	< 10	70	560
1702	201 229	3	0.01	62	1730	2	4	13	34	0.01	< 10	< 10	65	< 10	340	150
1703	201 229	2	0.01	54	1910	4	4	9	38	0.01	< 10	< 10	53	< 10	196	130
1704	201 229	2	0.01	67	1160	12	< 2	18	17	0.01	< 10	< 10	95	< 10	168	100

CERTIFICATION:

*Jan H. Bickler*



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221

To: NORTH AMERICAN METALS CORP.  
 EXPLORATION GOLDEN BEAR MINE  
 1500 - 700 W. PENDER ST.  
 VANCOUVER, BC  
 V6C 1G8

Page Number :3-A  
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 Certificate Date: 09-AUG-94  
 Invoice No. :19421623  
 P.O. Number :EX441622  
 Account :DRRA

Project : RAM-TOT-TUT  
 Comments: CC: ANDREW HAMILTON

## CERTIFICATE OF ANALYSIS

## A9421623

SAMPLE	PREP CODE	Au-AA ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
1705	201 229	95	< 0.2	1.33	74	280	< 0.5	< 2	1.47	1.0	15	61	57	3.98	< 10	< 1	0.19	10	0.56	970
1706	201 229	30	< 0.2	1.24	76	280	< 0.5	2	1.31	0.5	28	77	50	6.05	< 10	< 1	0.19	10	0.50	1015
1707	201 229	5	< 0.2	1.00	40	250	< 0.5	< 2	3.09	2.0	12	52	56	2.44	< 10	< 1	0.18	< 10	0.47	1225
1708	201 229	55	0.2	1.05	562	360	< 0.5	< 2	0.60	1.0	35	68	58	7.09	< 10	< 1	0.22	10	0.39	1245
1709	201 229	< 5	< 0.2	1.40	44	300	< 0.5	< 2	1.48	0.5	18	106	74	4.20	< 10	< 1	0.20	10	1.19	740
1710	201 229	20	< 0.2	1.45	34	240	< 0.5	2	1.23	0.5	16	70	94	3.55	< 10	1	0.18	10	0.86	945
1711	201 229	40	< 0.2	1.42	50	270	< 0.5	< 2	1.11	1.5	13	37	60	3.22	< 10	< 1	0.19	20	0.55	1275
1712	201 229	165	0.4	1.32	44	300	< 0.5	< 2	0.74	1.5	11	32	50	3.23	< 10	< 1	0.23	30	0.38	1000
1713	201 229	115	0.2	1.54	36	190	< 0.5	< 2	0.52	< 0.5	16	33	39	4.26	< 10	< 1	0.22	10	0.46	675
1714	201 229	400	0.6	1.30	44	140	< 0.5	< 2	1.68	1.5	13	36	59	3.35	< 10	< 1	0.20	10	0.51	475
1715	201 229	35	0.2	0.94	58	110	< 0.5	< 2	2.58	1.0	17	40	55	3.49	< 10	< 1	0.17	< 10	0.34	630
1716	201 229	325	0.2	1.02	74	190	< 0.5	< 2	1.49	0.5	20	43	84	3.88	< 10	< 1	0.23	10	0.53	600
1731	201 229	15	< 0.2	0.49	54	50	< 0.5	2	6.38	0.5	10	23	36	1.73	< 10	< 1	0.11	< 10	0.21	215
1732	201 229	20	< 0.2	0.86	78	90	< 0.5	< 2	3.60	1.5	17	39	59	3.11	< 10	< 1	0.18	< 10	0.34	845
1733	201 229	25	< 0.2	1.41	62	130	< 0.5	< 2	1.45	0.5	24	116	72	4.39	< 10	< 1	0.22	< 10	0.75	650
1734	201 229	195	0.2	0.83	82	180	< 0.5	2	3.11	0.5	18	35	69	3.36	< 10	< 1	0.22	10	0.61	420
1735	201 229	160	< 0.2	1.24	52	340	< 0.5	< 2	1.12	0.5	12	35	46	2.86	< 10	< 1	0.25	20	0.49	770
1736	201 229	365	0.8	1.20	58	570	< 0.5	< 2	0.52	0.5	8	21	50	2.54	20	< 1	0.22	130	0.27	645
1737	201 229	110	< 0.2	1.66	54	760	< 0.5	< 2	0.56	0.5	14	43	48	3.64	10	< 1	0.26	60	0.49	1225
1738	201 229	60	< 0.2	0.90	22	180	< 0.5	< 2	1.18	0.5	7	21	13	2.25	< 10	1	0.19	10	0.25	265
1739	201 229	25	< 0.2	1.49	58	300	< 0.5	< 2	0.51	0.5	18	44	45	3.92	< 10	1	0.19	20	0.55	915
1740	201 229	5	< 0.2	1.24	56	1410	< 0.5	< 2	0.31	5.0	14	29	73	2.42	20	1	0.22	120	0.27	2840
1741	201 229	25	< 0.2	1.45	38	440	< 0.5	< 2	0.67	0.5	22	69	47	3.98	10	< 1	0.19	30	0.61	1145
1742	201 229	10	< 0.2	1.55	40	890	< 0.5	< 2	0.48	0.5	13	56	46	3.31	10	< 1	0.23	70	0.60	955
1743	201 229	40	< 0.2	1.04	24	440	< 0.5	< 2	1.02	1.0	9	39	41	2.72	10	< 1	0.21	40	0.46	735
1744	201 229	5	< 0.2	1.55	48	390	< 0.5	< 2	2.32	0.5	13	68	40	3.29	< 10	< 1	0.18	10	0.75	920
1745	201 229	35	< 0.2	0.99	40	790	< 0.5	< 2	1.35	1.5	18	60	41	3.83	< 10	< 1	0.34	20	0.45	1830
1746	201 229	10	< 0.2	0.89	24	600	< 0.5	< 2	0.95	1.5	9	34	38	2.54	10	< 1	0.25	40	0.32	1460
1747	201 229	30	< 0.2	1.30	38	370	< 0.5	< 2	0.93	1.0	17	38	62	4.22	< 10	< 1	0.16	20	0.56	1755
1748	201 229	50	< 0.2	1.27	16	810	< 0.5	< 2	1.18	0.5	19	19	32	4.45	< 10	< 1	0.23	10	0.54	1515
1749	201 229	60	< 0.2	1.33	18	280	< 0.5	< 2	1.05	0.5	37	37	46	4.97	< 10	< 1	0.21	10	0.47	1240
1750	201 229	75	0.4	0.61	1745	340	< 0.5	< 2	1.40	3.5	16	14	45	4.36	< 10	1	0.13	20	0.61	680
1751	201 229	10	0.2	1.15	764	370	< 0.5	< 2	1.81	1.5	19	32	91	4.88	< 10	< 1	0.18	20	1.42	1035
1752	201 229	225	0.2	0.70	330	1070	< 0.5	< 2	0.33	0.5	9	5	29	3.83	10	< 1	0.18	40	0.10	415
1753	201 229	45	0.2	0.66	90	640	< 0.5	< 2	1.90	< 0.5	6	10	28	2.05	< 10	1	0.09	20	0.41	235
1754	201 229	35	< 0.2	0.88	120	720	< 0.5	< 2	1.04	< 0.5	9	12	24	4.77	< 10	< 1	0.09	20	0.33	820
1755	201 229	105	< 0.2	0.83	182	480	< 0.5	4	0.70	< 0.5	9	22	37	4.50	< 10	< 1	0.13	30	0.44	690
1756	201 229	130	0.4	0.77	204	870	< 0.5	< 2	0.63	< 0.5	7	12	34	3.55	10	1	0.13	90	0.24	410
1757	201 229	100	0.2	0.79	196	660	< 0.5	< 2	0.45	< 0.5	9	16	36	4.22	10	< 1	0.15	70	0.38	560
1758	201 229	85	0.6	1.06	252	400	< 0.5	< 2	0.25	1.5	14	23	41	4.34	10	< 1	0.21	80	0.59	1475

CERTIFICATION: *Hart Buchler*





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 EXPLORATION GOLDEN BEAR MINE  
 1500 - 700 W. PENDER ST.  
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Page Number :3-B  
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 Invoice No. :I9421623  
 P.O. Number :EX441622  
 Account :DRRA

Project : RAM-TOT-TUT  
 Comments: CC: ANDREW HAMILTON

## CERTIFICATE OF ANALYSIS A9421623

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Hg ppb
1705	201 229	1	0.01	48	1290	10	6	11	30	0.01	< 10	< 10	59	< 10	124	70
1706	201 229	1	< 0.01	66	1040	10	12	20	24	< 0.01	< 10	< 10	70	< 10	134	70
1707	201 229	< 1	0.01	35	1630	4	2	9	51	0.01	< 10	< 10	46	< 10	162	80
1708	201 229	3	< 0.01	87	510	16	8	27	30	< 0.01	< 10	< 10	74	< 10	110	370
1709	201 229	2	0.01	67	860	8	4	16	79	0.01	< 10	< 10	70	< 10	126	110
1710	201 229	< 1	0.01	48	1030	8	4	15	72	0.01	< 10	< 10	61	< 10	122	100
1711	201 229	1	0.01	29	980	12	4	9	60	0.01	< 10	< 10	49	< 10	204	40
1712	201 229	1	< 0.01	26	980	16	6	9	20	< 0.01	< 10	< 10	45	< 10	208	40
1713	201 229	2	< 0.01	29	530	12	10	10	13	< 0.01	< 10	< 10	63	< 10	120	30
1714	201 229	1	0.01	31	830	6	6	9	28	0.01	< 10	< 10	58	< 10	194	100
1715	201 229	2	< 0.01	38	1040	12	8	11	33	< 0.01	< 10	< 10	47	< 10	108	70
1716	201 229	2	< 0.01	48	920	14	18	14	28	< 0.01	< 10	< 10	48	< 10	142	100
1731	201 229	1	< 0.01	24	690	8	8	5	74	< 0.01	< 10	< 10	22	< 10	74	70
1732	201 229	2	< 0.01	48	1570	6	8	10	50	< 0.01	< 10	< 10	40	< 10	188	50
1733	201 229	1	0.01	85	1340	8	8	20	27	< 0.01	< 10	< 10	72	< 10	124	20
1734	201 229	4	0.01	43	1110	16	14	11	46	< 0.01	< 10	< 10	41	< 10	204	80
1735	201 229	1	0.01	28	790	14	2	8	25	0.02	< 10	< 10	45	< 10	118	40
1736	201 229	2	< 0.01	15	420	18	4	5	20	< 0.01	20	< 10	29	< 10	72	40
1737	201 229	2	0.01	29	510	16	4	10	19	0.01	< 10	< 10	55	< 10	152	40
1738	201 229	2	< 0.01	15	330	54	4	2	82	0.01	< 10	< 10	38	< 10	140	30
1739	201 229	1	0.01	30	440	12	4	11	28	0.01	< 10	< 10	62	< 10	170	40
1740	201 229	3	< 0.01	22	1020	58	10	6	22	< 0.01	20	< 10	36	< 10	596	70
1741	201 229	3	0.01	35	650	22	6	10	29	0.01	< 10	< 10	66	< 10	94	80
1742	201 229	1	0.01	35	500	14	2	9	22	0.02	< 10	< 10	57	< 10	94	40
1743	201 229	1	< 0.01	22	840	12	4	6	57	0.01	< 10	< 10	35	< 10	178	30
1744	201 229	2	0.01	33	940	12	6	11	121	0.01	< 10	< 10	56	< 10	170	30
1745	201 229	1	< 0.01	47	990	52	6	11	43	0.01	< 10	< 10	45	< 10	452	60
1746	201 229	< 1	< 0.01	23	930	18	6	6	28	0.01	< 10	< 10	32	< 10	280	90
1747	201 229	1	< 0.01	30	1070	16	4	13	22	0.01	< 10	< 10	52	< 10	152	120
1748	201 229	< 1	< 0.01	24	1220	< 2	2	16	49	< 0.01	< 10	< 10	51	< 10	70	60
1749	201 229	< 1	0.01	32	890	6	6	16	25	0.01	< 10	< 10	70	< 10	76	80
1750	201 229	4	< 0.01	47	720	18	8	9	20	< 0.01	< 10	< 10	25	< 10	108	260
1751	201 229	2	< 0.01	31	930	12	8	18	23	< 0.01	< 10	< 10	58	10	106	190
1752	201 229	3	< 0.01	8	800	34	12	8	12	< 0.01	< 10	< 10	17	< 10	86	120
1753	201 229	1	< 0.01	12	1080	16	4	5	26	< 0.01	< 10	< 10	19	< 10	54	70
1754	201 229	1	< 0.01	10	880	14	4	11	20	< 0.01	< 10	< 10	29	< 10	72	40
1755	201 229	3	< 0.01	15	980	16	6	16	13	< 0.01	< 10	< 10	35	< 10	96	60
1756	201 229	2	< 0.01	13	960	16	6	9	12	< 0.01	< 10	< 10	22	< 10	84	60
1757	201 229	2	< 0.01	12	720	22	6	12	10	< 0.01	< 10	< 10	30	< 10	98	30
1758	201 229	3	< 0.01	21	570	30	8	9	9	< 0.01	< 10	< 10	38	< 10	142	70

CERTIFICATION:

*Hart Buchler*



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 Account : DRRRA

Project : RAM-TOT-TUT  
 Comments: CC: ANDREW HAMILTON

## CERTIFICATE OF ANALYSIS A9421623

SAMPLE	PREP CODE		Au-AA	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
			ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
1760	201	229	30	0.4	1.03	210	780	< 0.5	4	0.23	0.5	18	22	45	5.13	10	< 1	0.18	90	0.50	1030
1761	201	229	35	0.4	0.93	192	400	< 0.5	< 2	0.37	1.5	49	23	58	5.58	10	< 1	0.15	30	0.60	2100
1762	201	229	30	1.8	1.04	240	280	< 0.5	< 2	0.65	3.0	53	25	118	5.80	10	< 1	0.17	40	0.83	2070
1763	201	229	35	0.6	1.00	210	520	< 0.5	< 2	1.35	1.5	21	22	40	4.40	10	1	0.17	50	1.13	1995
1764	201	229	15	0.4	1.44	132	600	< 0.5	< 2	1.75	2.0	22	35	64	4.74	10	< 1	0.18	30	1.94	2090
1765	201	229	45	0.4	1.35	258	500	< 0.5	< 2	0.41	1.0	10	31	27	4.05	10	< 1	0.19	80	0.81	1455
1766	201	229	35	0.2	0.58	316	230	< 0.5	< 2	0.15	0.5	4	6	45	3.29	< 10	< 1	0.16	20	0.18	480
1767	201	229	35	0.4	1.09	154	850	< 0.5	< 2	1.16	< 0.5	8	27	19	2.65	10	1	0.12	80	0.93	525
1768	201	229	70	0.6	0.56	330	480	< 0.5	2	0.33	0.5	4	7	26	3.27	10	< 1	0.14	80	0.19	485

CERTIFICATION:

*Handwritten signature: Hart Bickler*



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Account : DRRA

## CERTIFICATE OF ANALYSIS

### A9421623

SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn	Hg
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb
1760	201	229	3 < 0.01		23	640	22	8	12	10 < 0.01	< 10	< 10	39	< 10	108	50	
1761	201	229	2 < 0.01		45	830	62	14	12	11 < 0.01	< 10	< 10	50	< 10	98	70	
1762	201	229	3 < 0.01		46	800	96	34	10	12 < 0.01	< 10	< 10	50	< 10	130	110	
1763	201	229	2 < 0.01		23	830	28	10	10	15 < 0.01	< 10	< 10	44	< 10	118	40	
1764	201	229	1 < 0.01		26	920	20	12	14	20 0.03	< 10	< 10	74	10	116	90	
1765	201	229	2 < 0.01		19	690	28	8	8	13 < 0.01	< 10	< 10	44	< 10	120	60	
1766	201	229	2 < 0.01		8	440	30	6	4	5 < 0.01	< 10	< 10	16	< 10	110	20	
1767	201	229	1 < 0.01		16	820	18	6	5	24 0.02	< 10	< 10	36	< 10	98	60	
1768	201	229	3 < 0.01		6	380	42	8	4	8 < 0.01	10	< 10	13	< 10	96	40	

CERTIFICATION: *Hart Buchler*

**APPENDIX II**

(1994 Analytical Methods)



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NORTH AMERICAN METALS CORP.  
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1500 - 700 W. PENDER ST.  
VANCOUVER, BC  
V6C 1G8

A9419408

Comments: CC: ANDREW HAMILTOM

**CERTIFICATE**

**A9419408**

NORTH AMERICAN METALS CORP.

Project: RAM-TUT-TOT  
P.O. #: EX441622

Samples submitted to our lab in Vancouver, BC.  
This report was printed on 9-JUL-94.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	75	Geochem ring to approx 150 mesh
274	75	11-15 lb crush and split
229	75	ICP - AQ Digestion charge

\* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
17	75	Au ppb	AAS	5	10000
2118	75	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	75	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	75	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	75	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	75	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	75	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	75	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	75	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	75	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	75	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	75	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	75	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	75	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	75	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	75	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	75	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	75	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	75	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	75	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	75	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	75	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	75	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	75	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	75	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	75	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	75	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	75	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	75	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	75	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	75	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	75	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	75	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
20	75	Hg ppb: HNO3-HCl digestion	AAS-FLAMELESS	10	100000



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221

NORTH AMERICAN METALS CORP.  
 EXPLORATION GOLDEN BEAR MINE  
 1500 - 700 W. PENDER ST.  
 VANCOUVER, BC  
 V6C 1G8

A9419407

Comments: CC: ANDREW HAMILTOM

## CERTIFICATE

A9419407

NORTH AMERICAN METALS CORP.

Project: RAM-TUT-TOT  
 P.O. #: EX441622

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 9-JUL-94.

### SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	78	Dry, sieve to -80 mesh
203	5	Dry, sieve to -35 mesh
205	5	Geochem ring to approx 150 mesh
217	10	Geochem ring entire sample
229	93	ICP - AQ Digestion charge

\* NOTE 1.

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
17	93	Au ppb	AAS	5	10000
2118	93	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	93	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	93	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	93	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	93	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	93	Bi ppm: 32 element, soil & rock	ICP-AES	" 2	10000
2124	93	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	93	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	93	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	93	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	93	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	93	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	93	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	93	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	93	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	93	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	93	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	93	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	93	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	93	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	93	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	93	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	93	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	93	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	93	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	93	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	93	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	93	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	93	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	93	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	93	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	93	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
20	93	Hg ppb: HNO3-HCl digestion	AAS-FLAMELESS	10	100000

**APPENDIX III**

(Statement of Qualifications)

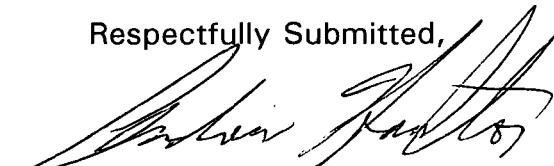
## STATEMENT OF QUALIFICATIONS

I, Andrew P. Hamilton, with a residence address of 201-2166 West 8th Avenue, Vancouver, B.C., V6K 2A4, do hereby certify that:

1. I am a graduate of the University of British Columbia at Vancouver, British Columbia with a Bachelor of Science Degree in Geological Sciences (1991).
2. I have practiced my profession as a Geologist in Northwest Territories and British Columbia since 1985.
3. I am registered as a Geoscientist-in-training with the Association of Professional Engineers and Geoscientists of British Columbia.
4. I am presently employed as a Geologist by North American Metals Corp. of 1500-700 West Pender Street, Vancouver, B.C.
5. The work described in this report is based on fieldwork conducted during June and July 1994 in which I supervised.
6. I have no direct or indirect financial interest in any company known by me to have an interest in the mineral properties described in this report, nor do I expect to receive any such interest.
7. I am the author of this report.

Dated at Vancouver, B.C. this 26<sup>TH</sup> day of SEPTEMBER, 1994 .

Respectfully Submitted,



Andrew P. Hamilton





## STATEMENT OF QUALIFICATIONS

I, Dunham L. Craig, P. Geo., with a residence address of 703 - 409 Lonsdale Avenue, North Vancouver, B.C. V7M 2G5, do hereby certify that:

- \* I am a graduate of the University of British Columbia with a Bachelor of Science Degree in Geological Sciences (1988).
- \* I am a member of the Association of Professional Engineers and Geoscientists of British Columbia as a registered Professional Geoscientist.
- \* I have practised my profession as a Geologist in British Columbia and the Yukon Territory since 1988.
- \* I am presently employed by North American Metals Corp. of 1500 - 700 West Pender Street, Vancouver, British Columbia, V6C 1G8 as Exploration Manager.
- \* The work described in this report is based on field work conducted during June and July, 1994 in which I supervised.
- \* I have reviewed this report and state that the contents are a factual representation of the work performed during the period covered by this report.

Dated at Vancouver, British Columbia this 26<sup>TH</sup> day of September, 1994

Respectfully Submitted,

Dunham L. Craig, P. Geo.  
Exploration Manager  
North American Metals Corp.

**APPENDIX IV**  
(Statement of Costs)

## STATEMENT OF COSTS

Applies only to work carried out on the Tut 3 and 4 claims.  
Work performed June 8th - 30th, 1994.

### WAGES

Andrew Hamilton (geologist) - 11 field days @ \$270.00/day	2970.00
Paul Henry (sampler) - 11 field days @ \$236.25/day	2598.75
John Roozendahl (sampler) - 11 field days @ \$236.25/day	2598.75
Andrew Hamilton (geologist) - 10 days report preparation and drafting @ \$270.00/day	2700.00

GROCERIES (field days)	910.13
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ROOM AND BOARD - mob/demob days and report preparation at Golden Bear Minesite - 16 days @ \$45.00/day	800.00
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AIR SUPPORT (Pacific Western Helicopters - Bell 206) 8 hrs. @ 705.00/hr inc. fuel	5640.00
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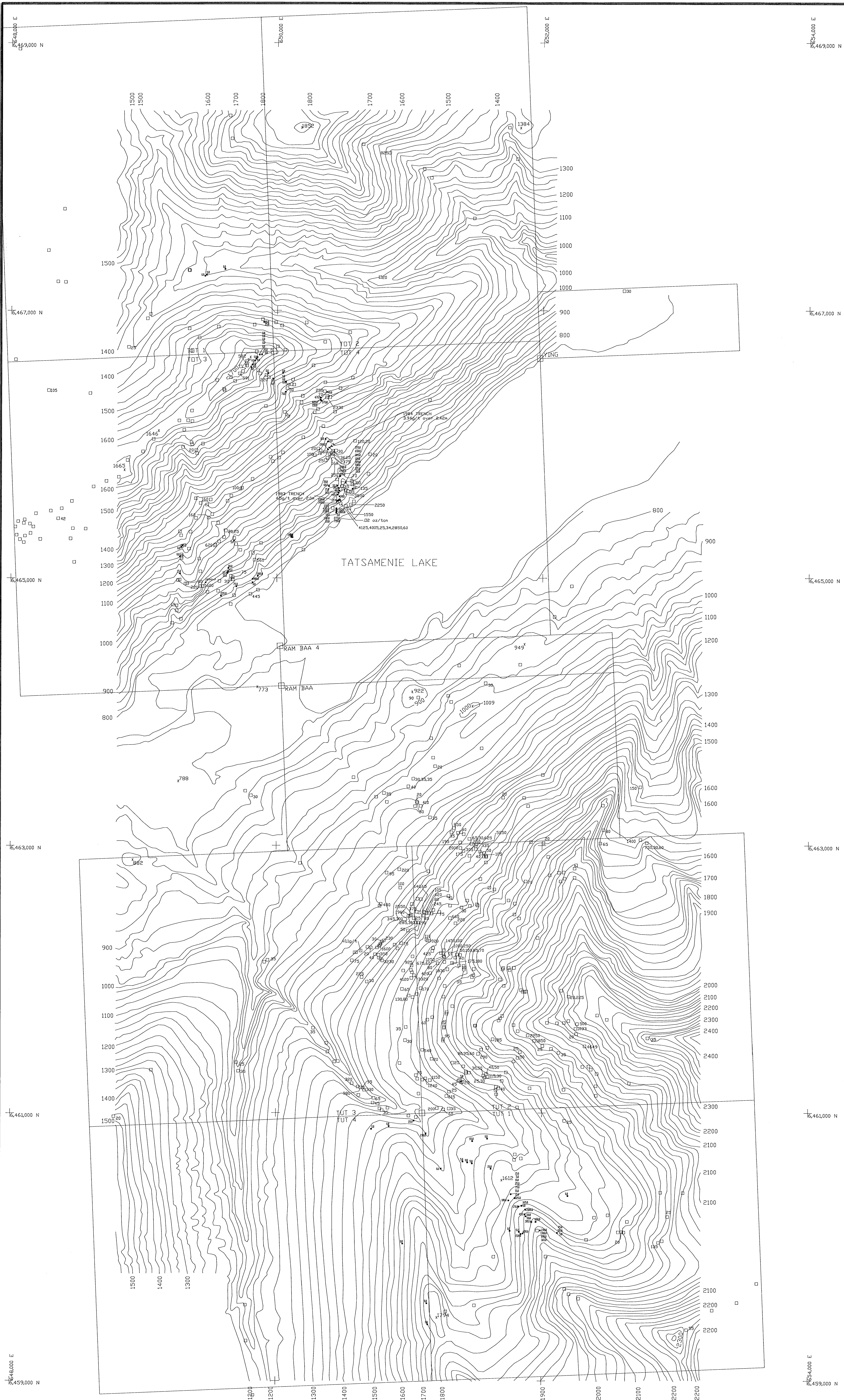
INSTRUMENT RENTAL - radios	160.00
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LABORATORY ANALYSES (Chemex Labs - 32 element/CP, Au-AA, Hg cold vapour) 168 rock & soil samples @ \$12.05/sample	2025.00
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### EQUIPMENT AND SUPPLIES

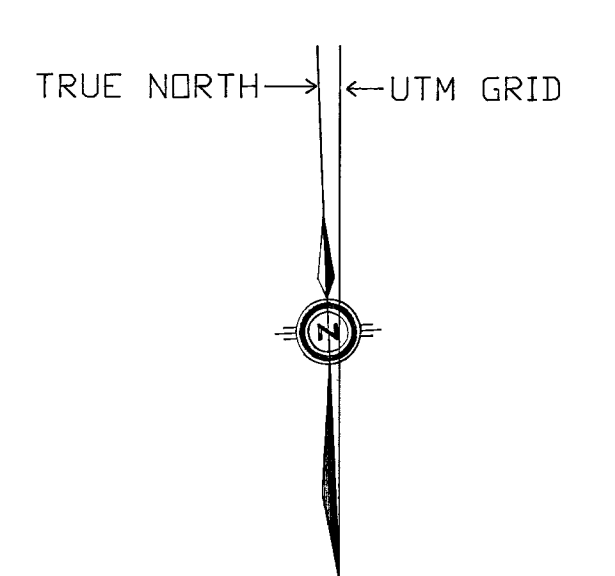
- 1000 watt generator	1011.00
- Field equipment	2120.00
- Field supplies (consumable)	300.00
- Air photos	407.00
- Field camp rental	<u>820.00</u>

TOTAL	\$25,060.63
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LEGEND

- Au PPB 1994 SAMPLE
- Au PPB PRE-1994 SAMPLE (values < 20 ppb not shown)
- x TRENCH



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0 500 1000  
METRES

REVISIONS

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GEOLOGICAL BRANCH  
ASSESSMENT REPORT

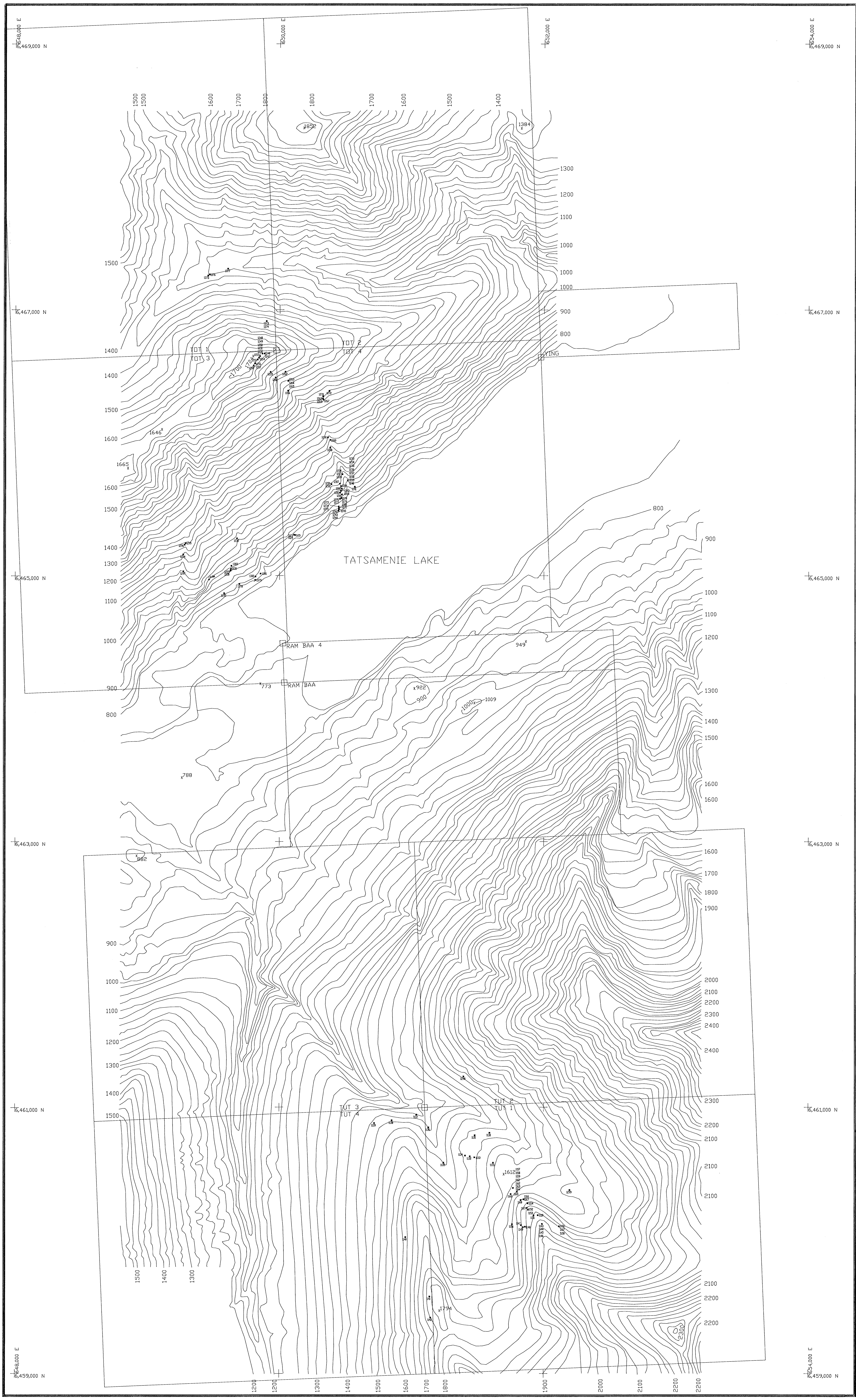
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NORTH AMERICAN  
METALS CORP.

RAM-TUT-TOT  
GOLD GEOCHEMISTRY  
ROCK SAMPLES

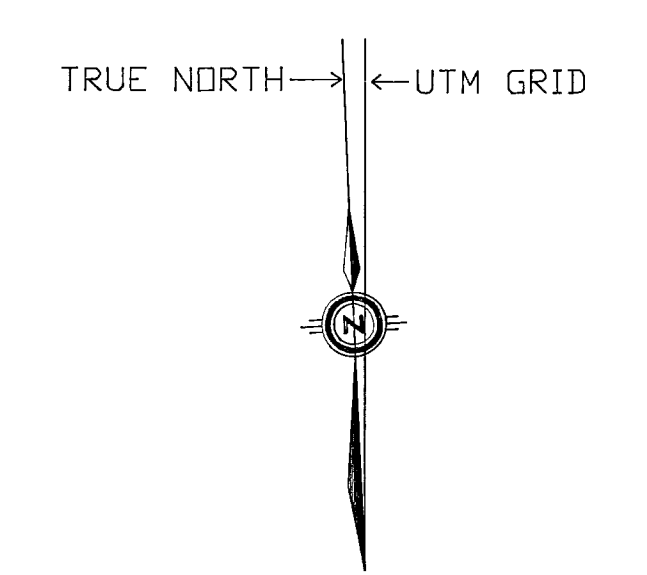
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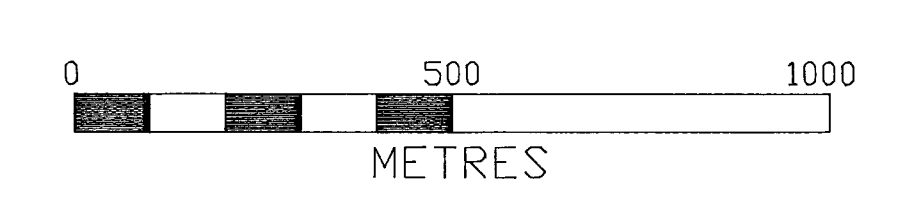


LEGEND

• 1994 ROCK SAMPLE LOCATION AND NUMBER



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GEOLOGICAL BRANCH  
ASSESSMENT REPORT

**23,552**

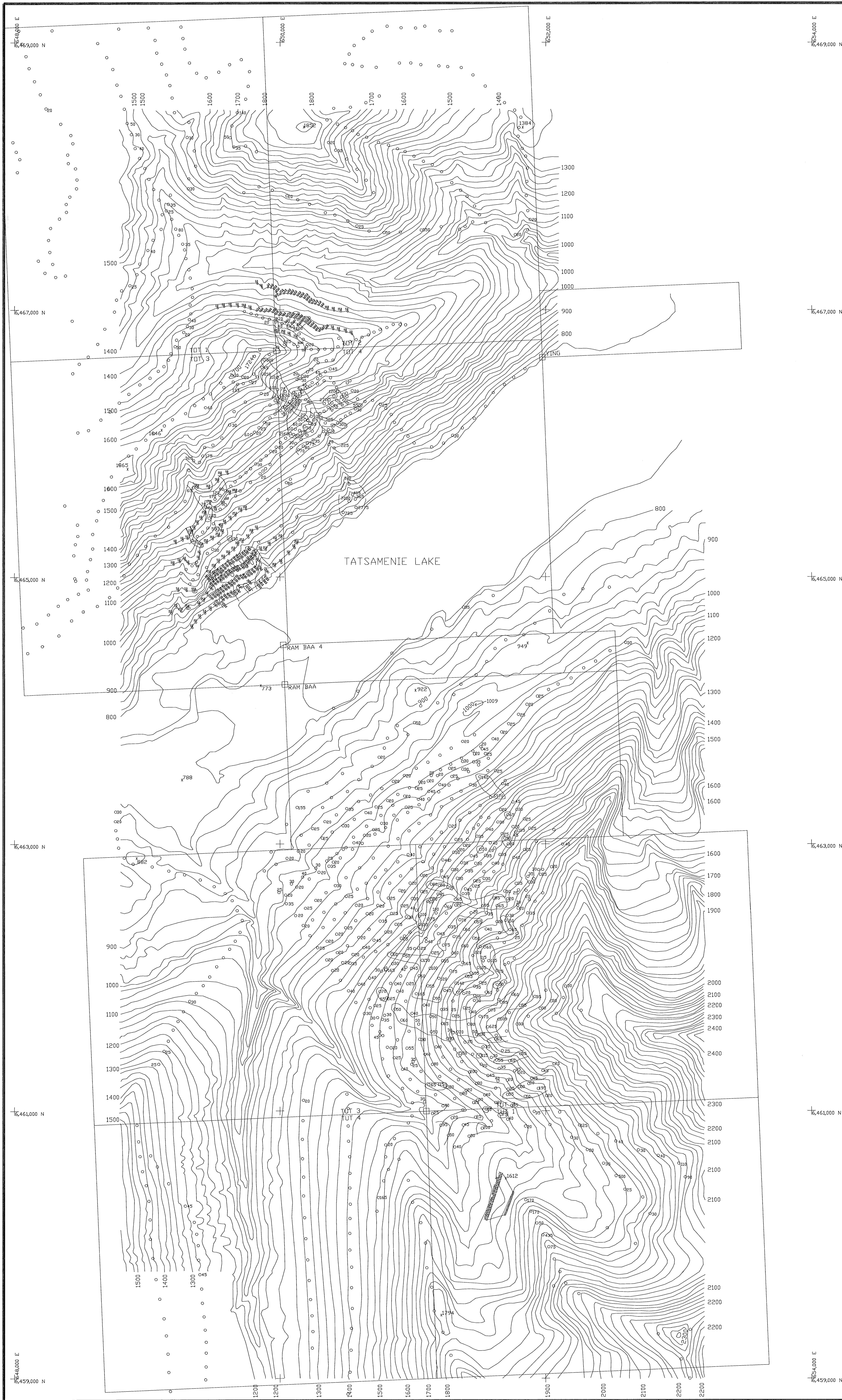
NORTH AMERICAN  
METALS CORP.

RAM-TUT-TOT

1994 ROCK SAMPLE  
LOCATIONS

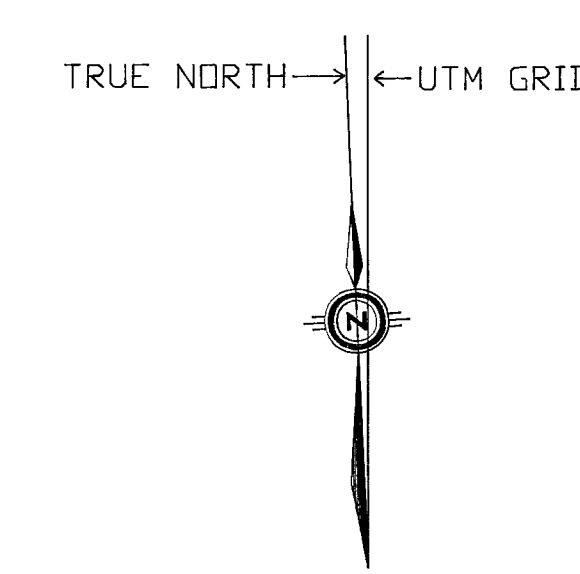
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Approved:	Report:
Drawn By: APH	Date: AUG/1994





LEGEND

- Au PPB 1994 SAMPLE
- Au PPB PRE-1994 SAMPLE (values < 20 ppb not shown)
- 50 PPB AU CONTOUR



SCALE - 1:10,000

REVISIONS

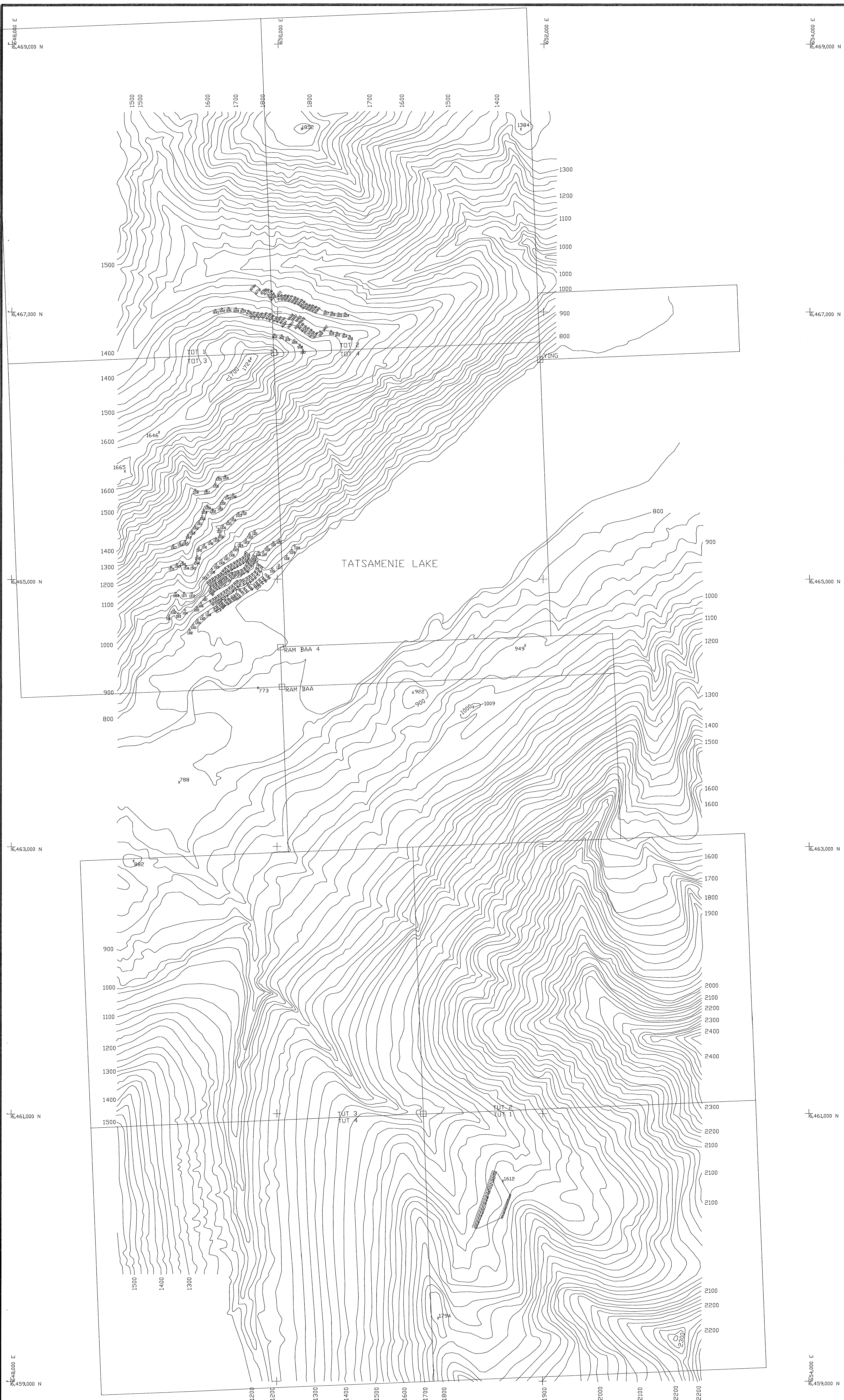
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NORTH AMERICAN METALS CORP.

RAM-TUT-TOT  
GOLD GEOCHEMISTRY  
SOIL AND TALUS SAMPLES

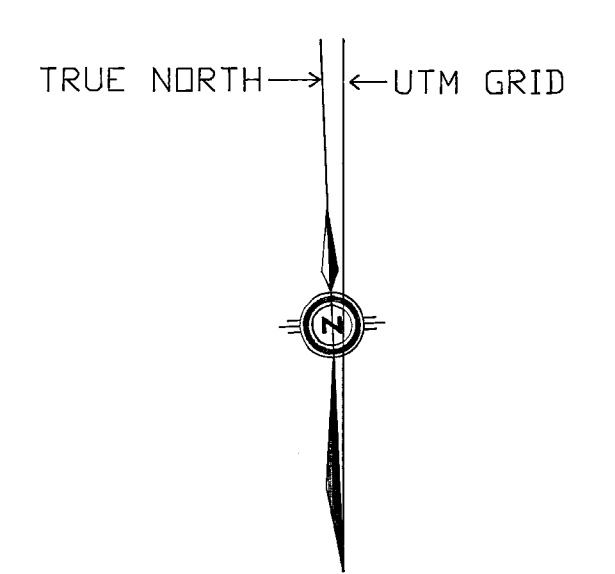
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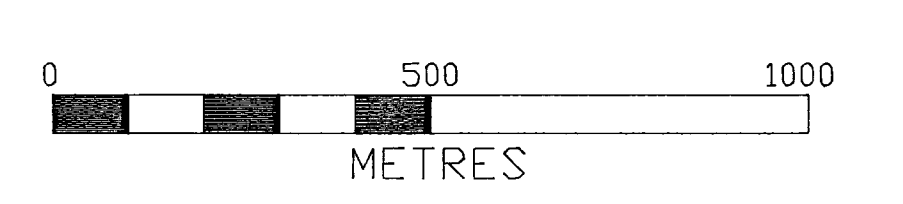


LEGEND

1994 SOIL OR TALUS SAMPLE LOCATION AND NUMBER



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REVISIONS

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GEOLOGICAL BRANCH ASSESSMENT REPORT

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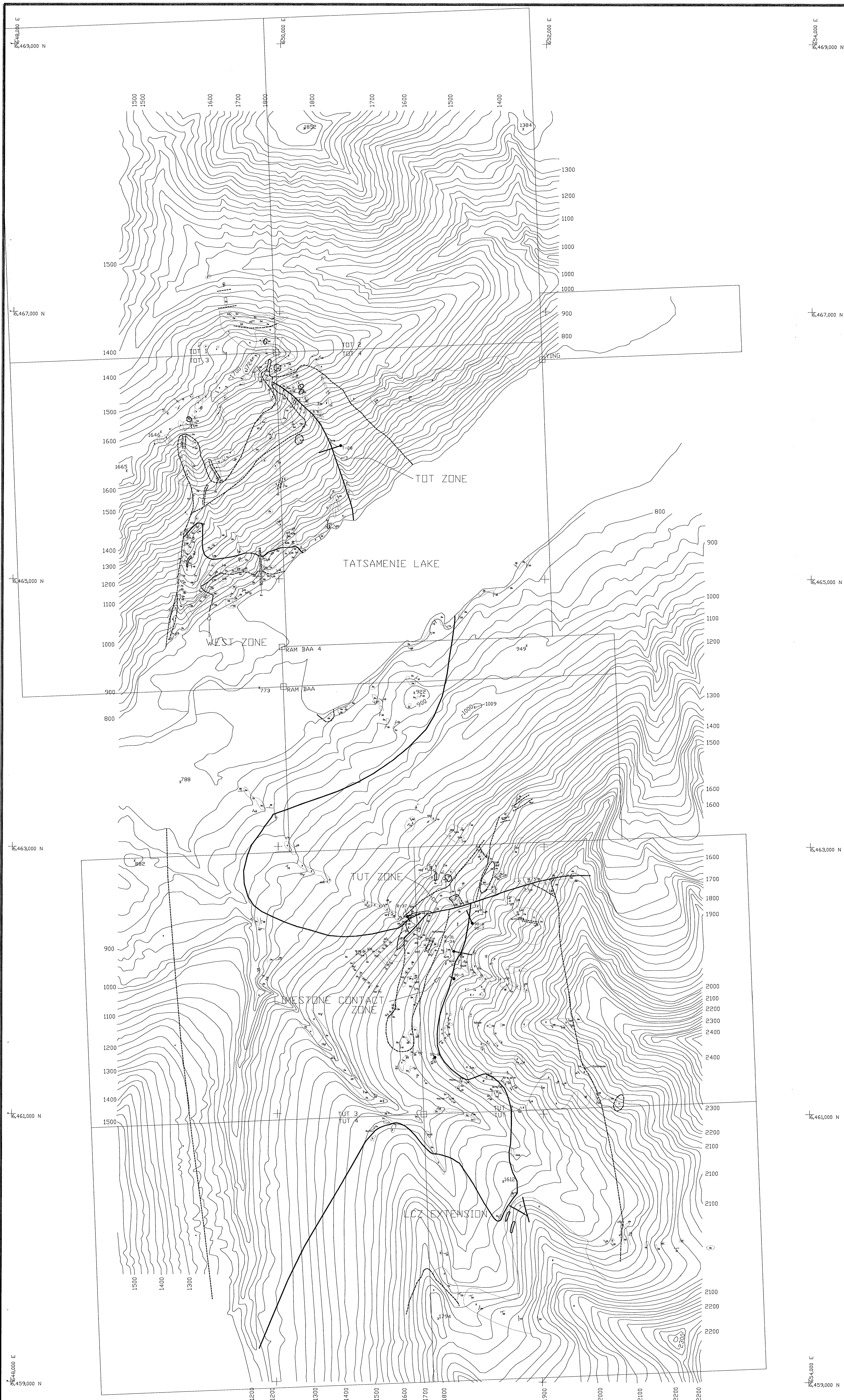
NORTH AMERICAN METALS CORP.

RAM-TUT-TOT

1994 SOIL AND TALUS SAMPLE LOCATIONS

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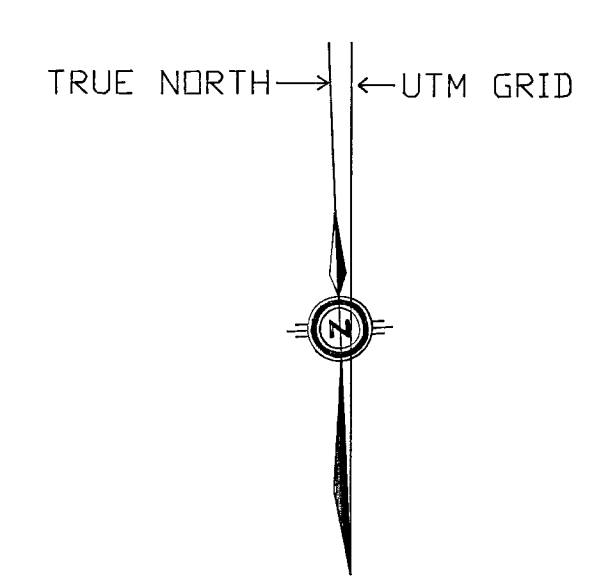


**LEGEND**

- CRETACEOUS - TERTIARY
- 7 SLOKO GROUP - Basalt dykes
- JURASSIC - CRETACEOUS
- 6 DIORITE
  - a) diorite
  - b) albitite sill
  - c) porphyritic diorite
- TRIASSIC
- 5 DIORITE - foliated
- UPPER TRIASSIC
- 4 STUHINI GROUP VOLCANICS
  - a) augite porphyry
  - b) thin-bedded ash tuff
  - c) massive flows
  - d) lapilli tuff
  - e) chloritic schist
- PERMIAN
- 3 LIMESTONE
  - a) carbonaceous
  - b) white
- PENNSYLVANIAN
- 2 PHYLLITE AND METAVOLCANICS
  - a) thick pink banded limestone
  - b) silicious siltstone
  - c) thin pink banded limestone
  - d) buff weathering limestone
  - e) mafic flows

- Outcrop
- Geologic contact
- Fault
- Foliation attitude
- Bedding attitude
- Shear or fault attitude
- DDH collar & trace

- S Silicified
- D Dolomitized
- Mal Malachite
- Az Azurite
- Tet Tetraehdrite
- Cp Chalcopryite
- Sp Sphalerite
- Aspy Arsenopyrite
- Sb Stibnite
- Py Pyrite



SCALE - 1:10,000

**REVISIONS**

No	Item	Date

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**23,552**

**NORTH AMERICAN  
METALS CORP.**

**RAM-TUT-TOT  
GEOLOGY**

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