**COMPLIANCE REPORT** 

on the

MOUNT THOMLINSON PROPERT

Minfile No 393M080 Latitude 35.35 14N Longitude 127 29 19W Omineca Mining division British Columbia Canada

for

Cadre Capital Inc. Vancouver, British Columbia

by

Gold Commissioner's Office Gregory R. Thomson, P. Geo. **Thomson Geological Consulting** Langley, British Columbia

Dated: February 24, 2006

## TABLE OF CONTENTS

| Sectio | n e e e e e e e e e e e e e e e e e e e          | Page |
|--------|--|------|
| 1.0    | SUMMARY  | 1    |
| 2.0    | INTRODUCTION AND TERMS OF REFERENCE              |      |
|        | DISCLAIMER                                       |      |
| 3.0    |  |      |
| 4.0    | PROPERTY DESCRIPTION AND LOCATION                |      |
|        | 4.2 Licenses and Title                           | 3    |
|        | 4.3 Ownership                                    | 4    |
| 5.0    | ACCESS, CLIMATE, INFRASTRUCTURE AND PHYSIOGRAPHY | 4    |
| 6.0    | HISTORY  | 5    |
|        | 6.1 Discussion                                   | 6    |
| 7.0    | GEOLOGIC SETTING                                 |      |
|        | 7.1 Introduction                                 |      |
|        | 7.3 Property Geology                             |      |
| 8.0    | MINERALIZATION                                   | 8    |
| 9.0    | DEPOSIT TYPES                                    | 9    |
| 10.0   | EXPLORATION                                      |      |
|        | 10.1 Diamond Drilling                            |      |
|        | 10.2 2005 Rock Sampling Survey                   |      |
| 11.0   | DATA VERIFICATION                                | 16   |
| 12.0   | ADJACENT PROPERTIES                              | 17   |
| 13.0   | MINERAL RESOURCE AND MINERAL RESERVE ESTIMATES   | 18   |
| 14.0   | OTHER RELEVANT DATA AND INFORMATION              | 18   |
| 15.0   | INTERPRETATION AND CONCLUSIONS                   | 19   |
| 16.0   | RECOMMENDATIONS                                  |      |
|        | 16.1 Discussion                                  |      |
|        | 16.2 Cost Estimate                               |      |
| 17.0   | REFERENCES                                       | 23   |
| 18.0   | SIGNATURE PAGE AND AUTHOR'S CERTIFICATE          | 25   |
| 19.0   | STATEMENT OF COSTS                               | 27   |

## LIST OF FIGURES

| <u>Figure</u> | *************************************** | Following Page |
|---------------|---|----------------|
| Figure 1      | Regional Property Location Map          |                |
| Figure 2      | Claim Map                               |                |
| Figure 3      | Regional Geology Map                    |                |
| Figure 4      | Property Geology and Compilation Map    |                |
| Figure 5      | 2005 Rock Sample Location Map           |                |
| Figure 6      | 2005 Rock Sample Results (Molybdenum)   |                |
| Figure 7      | 2005 Rock Sample Results (Copper)       |                |
| Figure 8      | 2005 Rock sample results (Gold)         |                |

## LIST OF APPENDICES

## Appendices |

| Appendix A<br>Appendix B | Mount Thomlinson Mineral Reserve (CIM Special Volume No.15, p. 422) 2005 Rock Sampling Summary and Assays     |
|--------------------------|---|
| Appendix C Appendix D    | Drill Hole T-2-81 Assay Table and Mean Totals   |
| Appendix E               | 1981 Drill Hole Results with 1993 Duplicates in Blue<br>2005 Drill Hole Duplicates - Descriptions and Results |
| Appendix F<br>Appendix G | Molybdenum in British Columbia (Information Circular 2005-3) Photographs of Mount Thomlinson Mineral Property |
| Appendix H Appendix I    | 1993 Rock and Drill Core Sampling Table (Discovery Consultants) Assay Certificates - 2005                     |
| Appendix J               | TexasGulf Drill hole Sections   |
| Appendix K               | Mineral Tenures   |

#### Section 1.0

#### SUMMARY

This report summarizes all of the historical and recent exploration work carried out on the Mount Thomlinson porphyry molybdenum deposit. The deposit is located within the Omineca Mining Division of north-central British Columbia, approximately 38 kilometres northeast of the town of Hazelton. Hazelton lies on Highway 16, which is the primary route to the deep seaport of Prince Rupert, located 290 kilometres to the west.

The Mount Thomlinson deposit lies within relative proximity to several porphyry molybdenum prospects and past-producing mines that are currently receiving intense exploration interest resulting from the recent dramatic price increase in molybdenum.

The property consists of 6 contiguous mineral claims covering an area of 3912.5 hectares. The Mount Thomlinson claims are 100% owned by Cadre Capital Incorporated of Vancouver, British Columbia and contain no underlying property interests.

During the early 1960's and early 1980's major exploration programs were carried out by Buttle Lake Resources, Southwest Potash Corporation (AMAX), and Texasgulf Canada Limited The exploration work, consisting mainly of trenching and diamond drilling, outlined a 40.82 million tonne measured reserve of 0.071 per cent molybdenum with accessory grades in copper.

The majority of exploration on the property has been directed towards a mineralized zone of approximately 900 metres in length lying along the contact zone of a semi-circular Eocene age quartz monzonite porphyry stock, with surrounding Middle Jurassic to Lower Cretaceous Bowser Lake Group argillaceous sedimentary rocks.

Recent rock sampling of the Mount Thomlinson property has shown that significant molybdenum and copper values are also found in other areas along the prospective contact zone as far away as 1 kilometer from the main recognized molybdenum ore body. It has also been determined that sections of drill core containing significant visible molybdenum and copper mineralization were not thoroughly sampled by the previous operator, Texasgulf Canada Limited.

It is therefore recommended that the Mount Thomlinson property undergo a modern exploration program consisting of further rock sampling, prospecting, geologic mapping, geophysical surveys, and extensive diamond drilling. A program of Induced Polarizion geophysics should be carried out along the strike of the main mineralized contact zone. IP surveys will be followed by a comprehensive and consistently oriented diamond drill program to evaluate geophysical target anomalies and to confirm and expand upon the mineral grade and tonnage of the main ore body.

It is concluded that the Mount Thomlinson project is one of merit and that further work is recommended and justified. A work programme is proposed that comprises rock sampling and analysis, prospecting, grid establishment, IP surveys, and geological mapping for Phase I, to be followed by a comprehensive diamond drill program for Phase II. The cost of Phase I is estimated at \$409,750.00 with Phase II estimated at \$1,028,500.00, for total expenditures of \$1,405,250.00

#### Section 2.0

#### INTRODUCTION and TERMS OF REFERENCE

Cadre Capital Incorporated has retained Thomson Geological Consulting to prepare a report to determine whether the property is a property of merit as a requirement of National Instrument 43-101 in accordance with TSX Venture Exchange policies.

AMH Mining Corporation has signed an option agreement with Cadre Capital Incorporated to purchase a 100% interest in the Mt. Thomlinson molybdenum/copper project through issuance of cash and shares.

The Mount Thomlinson deposit is located 38 kilometres northeast of Hazleton, British Columbia, within 12 kilometres of recently built logging roads. A paved highway and rail lines run westward from Hazelton to the deep water Port of Prince Rupert.

The property has been located to cover the known extent of previously explored porphyry-style molybdenum—copper mineralization located along the contact between a body of Eocene age Babine Intrusives and middle Jurassic to lower Cretaceous age Bowser Lake Group sedimentary rocks. Exploration conducted to date indicates that the property has the potential to host a large porphyry molybdenum + copper deposit.

In order to prepare this report, Thomson Geological Consulting has relied almost exclusively on data collected and reports generated by others. A full set of references is presented in Section 17 of this report.

The author has not yet visited the property, but has examined rock and drill core samples collected during a 2005 property visit. As far as is known, exploration has been conducted on the property in the years from 1962 to 1980, 1993, and 2005.

In compiling this report, every effort has been made to follow Form 43-101F1 as closely as possible.



#### Section 3.0

## **DISCLAIMER**

In order to prepare this report, Thomson Geological Consulting has relied upon work and reports completed by others and has not completed any checks to confirm or otherwise the results of such work and reports. While Thomson Geological Consulting has no reason to doubt the correctness of such work and reports, Thomson Geological Consulting takes no responsibility for the accuracy of work completed by others.

#### Section 4.0

#### PROPERTY DESCRIPTION

#### 4.1 Area and Location

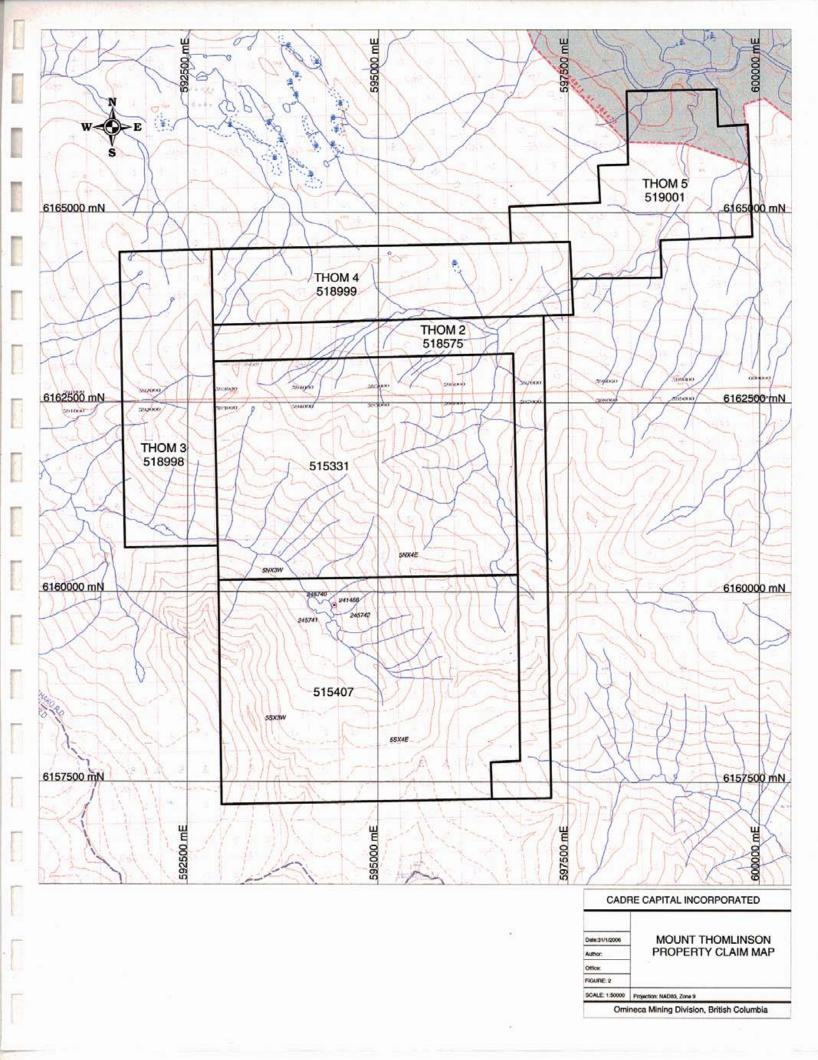
The Mount Thomlinson property is located approximately 38 kilometres northeast of Hazelton, British Columbia. The property is approximately centered on Latitude 55° 35' N. and Longitude 127° 29' W and is located on NTS map sheet 093M/11W.

The property is presently accessible by helicopter. Recently built logging roads bring ground access to within 12 kilometres of the deposit area.

#### 4.2 Licenses and Title

The Mount Thomlinson property comprises 6 contiguous mineral claims covering an area of approximately 3912.51 hectares which lie within the Omenica Mining District. Claim data and descriptions are summarized in the following table, while a map showing the claims is presented in Figure 2.

| Claim # | Name   | Area (ha) | Owner         |
|---------|--------|-----------|---------------|
| 515331  |        | 1096.93   | Cadre Capital |
| 515407  |        | 1079.45   | "             |
| 518575  | Thom 2 | 438.77    | 11            |
| 518998  | Thom 3 | 438.7     | 77            |
| 518999  | Thom 4 | 438.52    | 11            |
| 519001  | Thom 5 | 420.14    | . 11          |



As far as can be reasonably ascertained, the property appears to be free of any environmental liabilities associated with previous exploration activities. Permits necessary for any exploration activities recommended in this report have yet to be acquired.

## 4.3 Ownership

The property is 100% owned by Cadre Capital Incorporated of Vancouver, B.C., and is free from underlying interests or royalties. Mineral claim tenure status for the Mount Thomlinson property is shown in Appendix G.

## Section 5.0

## ACCESS, CLIMATE, INFRASTRUCTURE, AND PHYSIOGRAPHY

The property lies 38 kilometres northeast of Hazelton British Columbia, within the Babine Mountain Range, a region of generally rugged topography. The main area of past exploration was carried out at about 1850 metres elevation along a north trending ridge 4.5 kilometres north of the peak of Mount Thomlinson.

Access is by helicopter chartered from the town of Smithers which is located 90 kilometres south of the mineral property. Supplies and equipment can be flown from a staging area with logging road access located 15 kilometres northwest of the mineral showings or from farms located near Kispiox which lies 25 kilometres to the west of the property.

The topography of the property is moderate to extreme, with 850 metres of relief on the claims. The local tree line is about 1350 metres or 500 metres below the surface mineral zones. Isolated rugged mountain peaks separated by broad wooded valleys, characterize the regional topography. Many of the peaks are over 2000 metres in elevation and are surrounded by ice and snow fields. The mountain slopes are steep and generally covered by rock talus.

The region has a cool temperate climate with moderate snowfall, with the mountainous areas generally covered with snow until mid-June. High winds and local clouds are commonplace along the ridge, even during summer months

Future exploration of the mineral property will require the building of a helicoptersupported camp as was established by previous operators of the Mount Thomlinson property.

#### Section 6.0

#### **HISTORY**

The area was originally staked in 1962 by three prospectors from Hazelton and optioned to Buttle Lake Mining (later Stampede International Resources Ltd). In 1963 the property was mapped, trenched, and sampled by Buttle Lake Resources. In August of that year, the property was optioned by AMAX, then known as Southwest Potash Corporation. Loudin (1963) spent nine days on the property, produced a map, and recommended the option.

In 1964 and 1965, AMAX conducted programmes of geological mapping, surveying, geochemistry, and drilled nine BQ diamond drill holes totaling 2,459 meters. The property was subsequently allowed to lapse and re-staked by AMAX in 1975.

In 1975 AMAX tabled a measured, indicated, and inferred reserve of 40,820 kt of 0.12 per cent MoS2 conversion to 0.072 % Mo using the factor 1.6681. (CIM Special Volume 15 (1976), Table 3, page 422 and Porphyry Deposits of the Canadian Cordillera 1976, p. 425.) The core was not assayed for copper or gold at that time.

In 1979 the group was restaked as the Molly Tom claims by John Bot, an independent prospector from Smithers. Mr. Bot optioned the property to TexasGulf Canada Limited. On May 16, 1979, P.R. Delancy visited and examined the property in preparation for a planned drill programme in 1980.

Work performed by TexasGulf in 1980 included construction of a camp and drill site and diamond drilling of one NQ wire line hole that was abandoned at 213m, about 500 meters short of the projected target depth. This hole, DDH TH-1-80, penetrated strongly fractured Bowser Lake Group argillite/shales with sparse quartz and calcite veinlets and finely disseminated pyrite.

In 1981, TexasGulf repaired the camp and drilled four NQ diamond drill holes totaling 1632.3 meters from a common set-up location. Drill hole T-2-81 was collared at -45° and intersected 357 meters of 0.115% MoS2 and 0.11% Cu and was mineralized to the end of the hole at 769.3 meters, effectively confirming and doubling the extent of mineralization reported in the AMAX reserve calculation. The core was not assayed for gold.

In 1993, W.R. Gilmour engaged Discovery Consultants to re-sample surface showings and select core samples located on the property. 30 surface and 24 core samples were collected during this programme. Values of up to 7300 ppm Mo, 3400 ppm Cu, and 50ppb Au were obtained (see 1993 sample summary).

In September 2005, the claim owner, accompanied by David Gale, P.Geo and Kenneth Armstrong, P.Geo, performed a reconnaissance property exam which resulted in the collection of 33 rock samples. Results from the programme confirmed the presence of molybdenum, copper, and gold mineralization, and resulted in the verification of at least two additional mineralized areas previously described by TexasGulf (Delancy, 1981). Results range up to 2495 ppm Mo, 3081 ppm Cu, 745 ppb Au, and 161 ppm Ag. Please refer to tables summarizing the recent sampling and assay results in **Appendix B and D**.

## 6.1 Discussion

The results of the exploration carried out on the property to date are incorporated into Section 10.

The majority of the data obtained from previous work is available in reports prepared for past operators. Generally, the work is of good quality and forms a good foundation for further work. While some private data is missing; maps showing geology, trenching, and diamond drill hole locations are available for most of the exploration campaigns.

The lack of certain data is not considered to significantly impact evaluation of this project. It should be noted that each operator has verified earlier discoveries of mineralization with the later arrivals improving on the knowledge base. None of the past work has been conducted by the issuer or by a contractor acting on behalf of the issuer or its agents.

#### Section 7.0

#### **GEOLOGY**

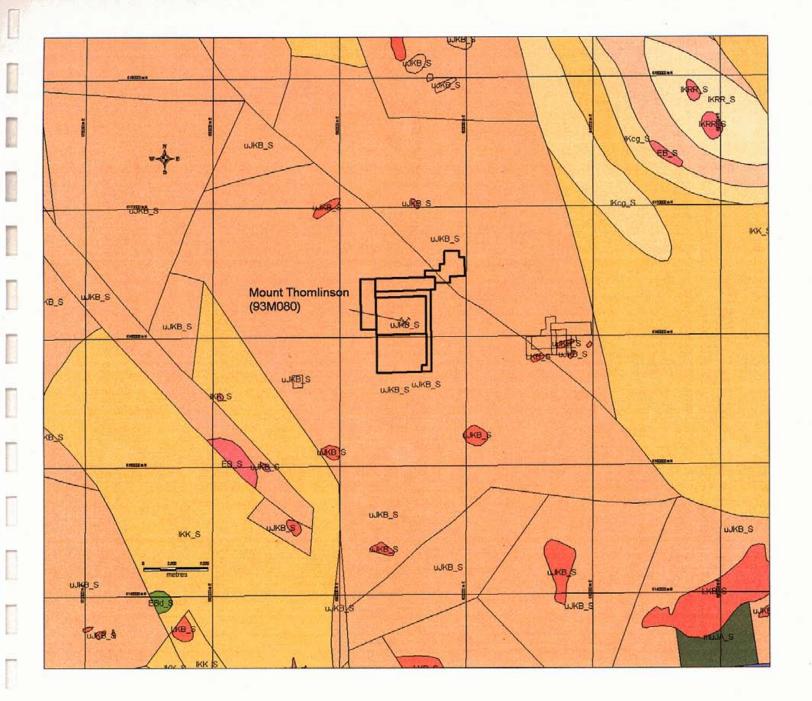
#### 7.1 Introduction

The overview of the regional geology provided below is taken from the B.C. Geological Survey mapping synopsis of the Hazelton map sheet 093M, while the description of the property geology and mineralization comes mostly from B.C. government annual reports and filed assessment reports. For brevity and ease of reading, passages that have been taken verbatim from these reports are not specifically quoted unless to draw attention to observations made or opinions expressed by one particular author.

## 7.2 Geological Setting

The main region surrounding the Mount Thomlinson deposit is underlain primarily by rocks of the Stikinia Terrain and an overlap assemblage.

The Stikinia Terrain consists of the Lower to Middle Jurassic Hazelton Group and the Upper Triassic Stuhini (Takla) Group island arc volcanic rocks. These are intruded by the Late Triassic to Middle Jurassic Omineca, Francois Lake, and Topley intrusions. The overlap assemblage consists of the Middle Jurassic to Upper Cretaceous Bowser Lake, Lower Cretaceous Skeena, and Cretaceous Sustut groups. These mainly comprise clastic sedimentary and minor volcanic rocks deposited in local fault-bounded successor basins and in the Bowser basin, a portion of which underlies much of the northwestern portion of the Hazelton map area. Upper Cretaceous calc-alkaline volcanic rocks of the Kasalka Group extruded from several volcanic centers, while coeval plutonic rocks formed the Bulkley Intrusions. During the Cenozoic Era, important igneous activity occurred in the Eocene stage, when the Babine, Kastberg and Nanika intrusions and the Ootsa Lake Group calc-alkaline volcanic suite formed. Structure is dominated by block faulting, which has controlled the location of the major mountain valley systems, as well as many of the intrusive rock suites and mineral deposits. Aside from contact effects near intrusive bodies, metamorphism is light, reaching prehnite-pumpellyite facies.



## LEGEND

#### EOCENE (EBg\_S)

Babine Intrusions - biotite-hornblende-feldspar porphyries

## UPPER CRETACEOUS (LKB S)

Bulkley Intrusions - mainly granodiorite; lesser quartz monzonite, quartz diorite, granite

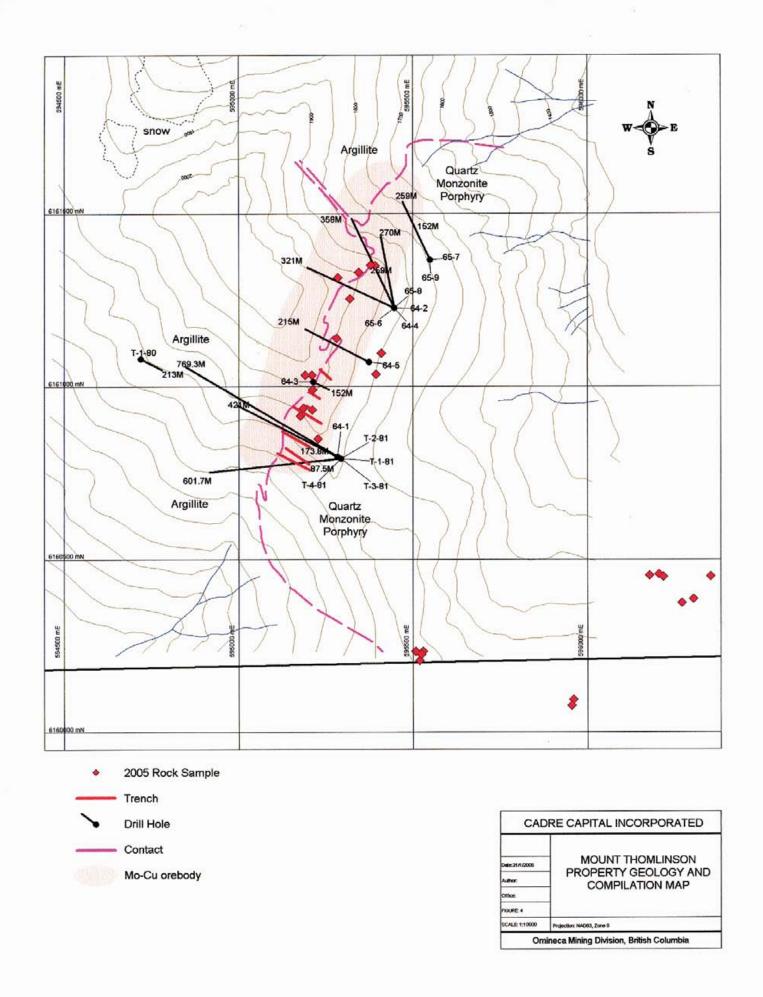
#### LOWER CRETACEOUS

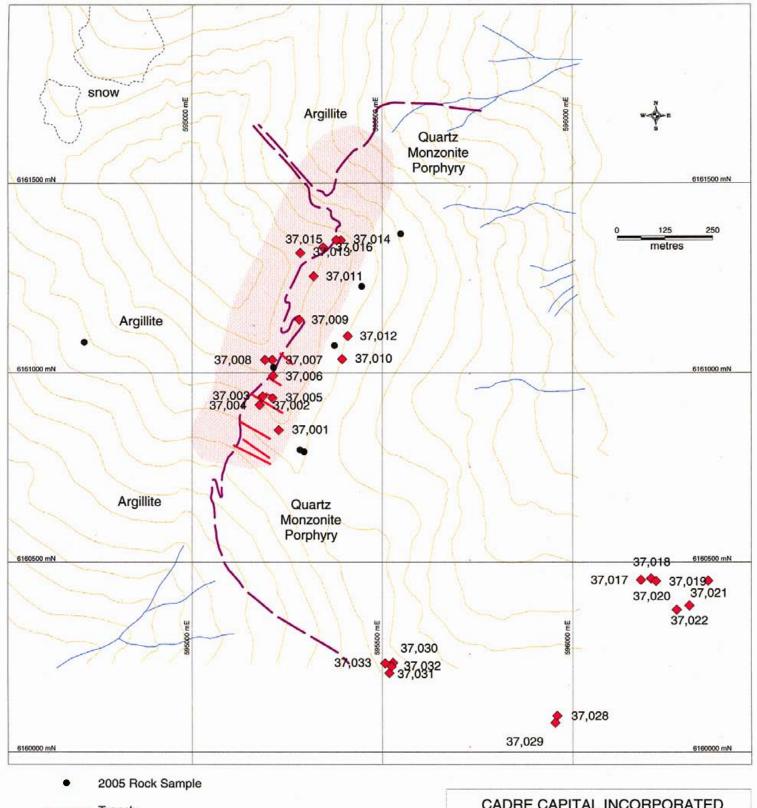
Kitsuns Creek Formation (IKK)- feldspathic and volcanic sandstone, siltstone, shale, volcaniclastic conglomerate, coal, carbonaceous sediments Hanawald conglomerate (IKcg) - chert pebble conglomerate

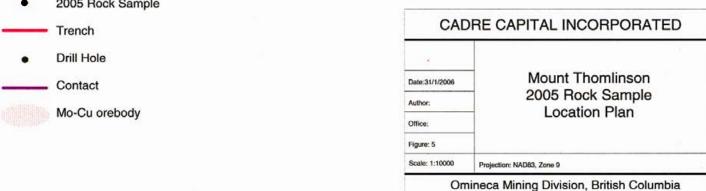
## MIDDLE JURASSIC - LOWER CRETACEOUS (uJKB)

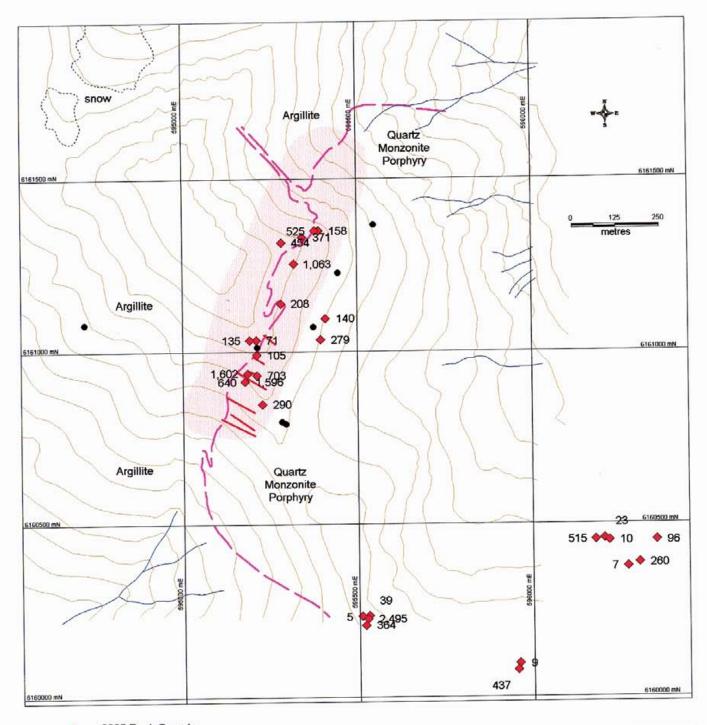
Bowser Lake Group - interbedded, epiclastic feldspathic and volcanic conglomerate, sandstone, siltstone, shale, argillaceous coal

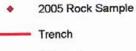
| CAD             | RE CAPITAL INCORPORATED   |  |  |  |
|-----------------|---------------------------|--|--|--|
| Date: 31/1/2006 | Mount Thomlinson          |  |  |  |
| Author          | Regional Geology Map      |  |  |  |
| Office:         | regional Coolegy Map      |  |  |  |
| Figure: 3       |                           |  |  |  |
| Scale: 1:300000 | Projection: NAD63, Zone 9 |  |  |  |









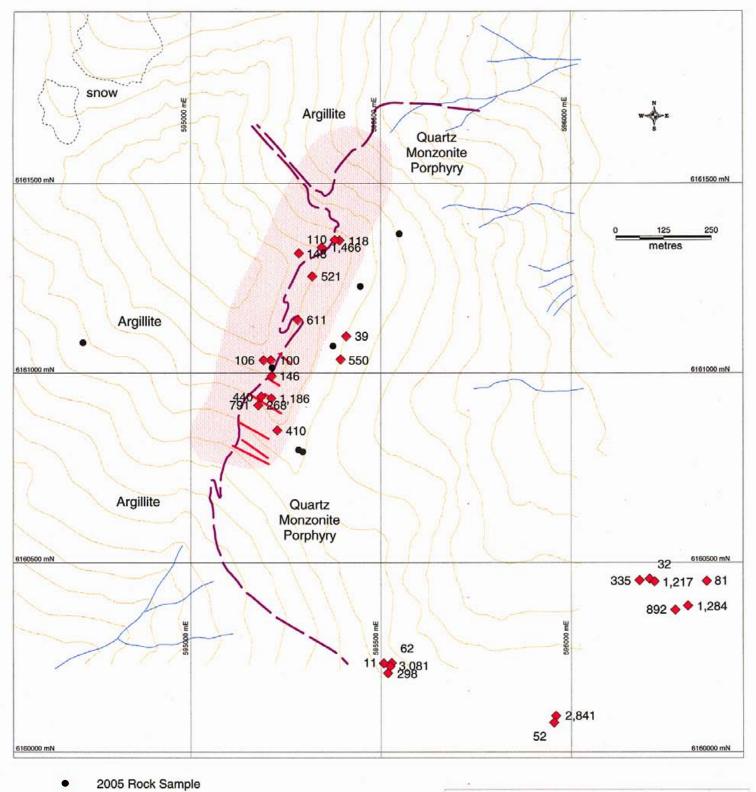


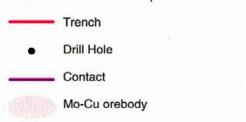
Drill Hole

Contact

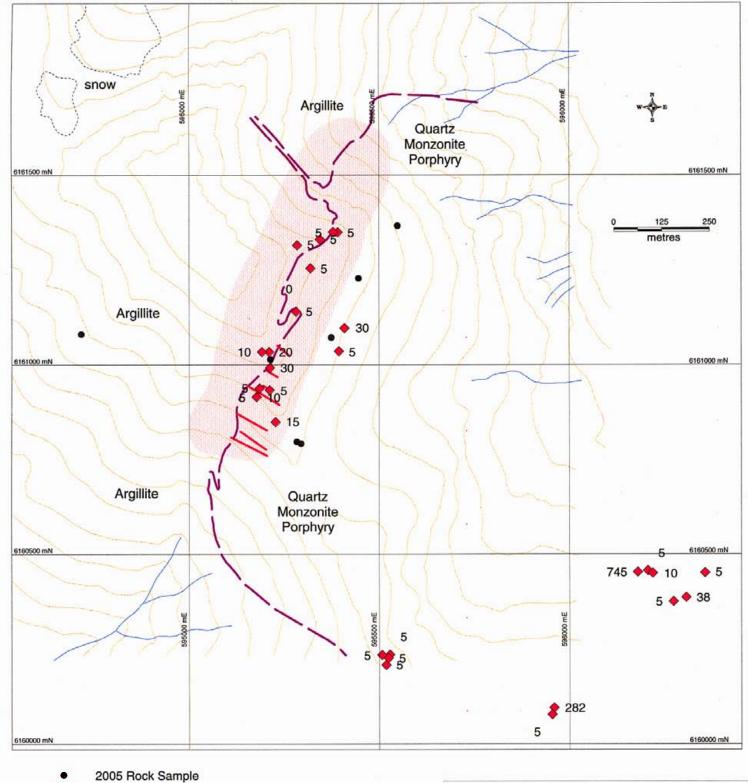
Mo-Cu orebody

| CAE            | RE CAPITAL INCORPORATED   |  |
|----------------|---------------------------|--|
| Date:31/1/2006 | Mount Thomlinson          |  |
| Author.        | 2005 Rock Sampling Plan   |  |
| Office:        | Molybdenum (ppm)          |  |
| Figure: 6      |                           |  |
| Scale: 1:10000 | Projection: NAD83, Zone 9 |  |

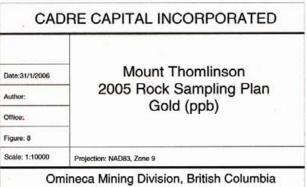




| CAE            | DRE CAPITAL INCORPORATED                    |
|----------------|---|
| Date:31/1/2006 | Mount Thomlinson<br>2005 Rock Sampling Plan |
| Office:        | Copper (ppm)                                |
| Figure: 7      |   |
| Scale: 1:10000 | Projection: NAD83, Zone 9                   |







## 7.3 Property Geology

On the property area, massive black sediments of the Bowser Lake Group have been intruded by a roughly circular stock of pale buff to light pinkish white quartz monzonite porphyry. Outside the contact aureole, the sediments tend to be massive and black with conchoidal and blocky fractures or a poorly developed slaty cleavage. Near the contact the sedimentary rocks have been deformed and metamorphosed. In most areas there is a well-defined schistosity approximately parallel to the contact over a zone 100 to 150 metres wide. Most of the rocks in this zone are medium to dark brownish gray biotiferous schists. Biotite, muscovite, cordierite, andalusite, and apatite have formed in the contact aureole.

Wherever seen, the contact of the stock is very sharp. The margin is foliated for 100 to 200 metres from the contact, parallel to the schistosity in the intruded rocks. The foliation and schistosity were probably developed during intrusion of the stock. Coarse potash feldspar phenocrysts characteristic in the core of the stock are much less abundant and smaller in size in the foliated contact zone.

The core of the stock is marked by 1 to 3 per cent of coarse, zoned potash, which can range up to over 5 cm at some localities. Quartz and plagioclase phenocrysts range up to 1.25 cm in diameter. The quartz monzonite porphyry is made up of 40-50% plagioclase and 10-25% potassic feldspar. The remainder constituents consist of quartz and accessory mafic minerals.

In many areas the stock is cut by narrow pale-buff to white aplite dikes. These dikes commonly occur in swarms and generally range from 2.5 to 10 cm in width and may be several metres long. One dike, located north of the AMAX camp area, measured approximately 2 meters in width. The dikes occupy well-defined fractures, are mainly restricted to the stock itself, and do not occur outside the contact aureole.

#### Section 8.0

#### MINERALIZATION

On the Mount Thomlinson property, concentrations of molybdenite, chalcopyrite, and pyrite are associated with a system of quartz veins, fractures, and aplite dykes, which cut the porphyry along the northwestern contact. There is no direct correlation between the intensity of veining and intensity of mineralization. Molybdenite is most common as fine flakes in quartz veinlets and as smears along fracture planes. Locally it occurs as coarse flakes in quartz veins. Minor yellow ferrimolybdite is noted along zones of oxidation. Although chalcopyrite is found in the same general areas as molybdenite, the two sulphides occur independently of each other.

Chalcopyrite, malachite, and azurite occur along fractures and veins. Pyrite (1-5%) is found as disseminations, fracture fillings, and patchy crystalline concentrations in the intrusive and adjacent argillites.

The mineralized zone is approximately parallel to the northwestern argillite-porphyry contact (Az 030°/65°NW); the better grade rock lies several meters from the contact within the intrusive rock. Mineralization has been found over a strike length of 900 meters and varies in width and grade.

#### Structure:

Examination of the southwestern portion of the mineralized zone suggests that the movement and precipitation of the hydrothermal fluids was largely controlled by a structurally prepared zone of fracturing, faulting, and shearing. The zone is parallel to the primary foliation along the northwest contact, and orientation of the zone was probably controlled by these planes of weakness. The shearing appears to be centered along the southern end of the mineralized zone and extends southwesterly into the argillites. The zone becomes less well defined to the northeast and appears to split into several narrower zones in the Red Canyon area.

## Section 9.0

#### **DEPOSIT TYPES**

The Mount Thomlinson prospect is described as a porphyry molybdenum (Low-F-Type) deposit type. These deposit types contain stockworks of molybdenite-bearing quartz veinlets and fractures in intermediate to felsic intrusive rocks and associated country rocks. Molybdenite is the principal ore mineral with subordinate chalcopyrite +/-scheelite.

In these deposit types, molybdenite commonly occurs in fractures and in quartz veins within a differentiated, polyphase monzogranite suite of intrusive rocks and/or their surrounding hornfelsed country rocks. Deposits are typically low grade but large and amenable to bulk mining methods.

Given the tectonic setting, depositional environment, and age of mineralization, the Mount Thomlinson prospect fits the geological model for a porphyry Mo (low-F-type) deposit. These deposits types are mainly found throughout the Cordilleran region of North America, with several large economic deposits located in northern British Columbia.

The factors of age of mineralization and the general geologic environment, including mineralizing processes should be taken into consideration when comparing other molybdenum deposits to the Mount Thomlinson deposit.

Two molybdenum metallogenic episodes in British Columbia are recognized:

- 1) Early Cretaceous Miocene: 140 Ma to 8 Ma.
- 2) Late Triassic Middle Jurassic: 220 Ma to 195 Ma.

Mount Thomlinson would fit into the later age deposit grouping, having an Eccene age of 53.8 Ma (BCEMPR Bull. 64, 1981, pgs 123, 124, 126). Cordilleran porphyry molybdenum occurrences also show the full range of morphological and depth attributes found in molybdenum deposits worldwide. In British Columbia, both post-accretion and pre-accretion molybdenum-bearing calcalkaline occurrences occur in Wrangellia, Stikinia, Cache Creek, and Quesnellia terrains.

Significant British Columbia porphyry Mo (low-F-type) deposits showing their respective ages, include:

| Endako        | ~145 Ma |
|---------------|---------|
| Boss Mountain | ~102 Ma |
| Kitsault      | ~ 51 Ma |
| Yorke-Hardy   | ~ 67 Ma |
| Max           | ~ 76 Ma |
| Adanac        | ~ 71 Ma |
| Mac           | ~136 Ma |

With the recent dramatic price increase for molybdenum, numerous mineral prospects and past producers are receiving renewed exploration interest. The low-fluorine type molybdenum deposits similar to Mount Thomlinson are the focus of renewed exploration activity in the northern regions of British Columbia. Possible analogies may be made between Mount Thomlinson and other significant molybdenum deposits located in the north-central region of British Columbia.

With respect to the Mount Thomlinson deposit, the Alice Arm area molybdenum deposits, located approximately 100 kilometres to the west of Mount Thomlinson are considered analogous deposit types.

The Alice Arm region has recently seen a revival in exploration interest. Tenajon Resources (TJS-V) is exploring the Ajax property in order to bring the existing resource of 178.5 million tones grading 0.07% molybdenum into compliance with National Instrument 43-101. The Ajax deposit is located about 13 kilometres northeast of the town of Alice Arm. Newmont Exploration defined considerable reserves of molybdenum from extensive drilling carried out in the 1960's.

The mineralization at the Ajax deposit has formed in a similar manner to that at Mount Thomlinson. The deposit is a result of the intrusion of four closely spaced stocks of Eocene age into a sequence of Upper Triassic Stuhini sediments. The Eocene stocks are comprised of quartz feldspar porphyritic quartz monzonite and are of a similar age to Mount Thomlinson, dated at approximately 51 Ma. Mineralization occurs within the stocks and in the adjacent contact metamorphosed rocks as randomly oriented fractures filled with quartz and pyrrhotite and coatings and bands of molybdenite. Disseminated molybdenite also occurs in a stockwork of 3 to 6 millimeter diameter quartz veinlets and in silicified zones deeper within the stocks.

All of the molybdenum deposits of the Alice Arm area are related to porphyritic quartz monzonite stocks of Eocene Age (Alice Arm Intrusions), dated at between 51 to 54 Ma.

Other reactivated or large projects in the Alice Arm region include the Tidewater project, held by New Cantech Ventures, Roundy Creek, held by **SNL Enterprises**, and Kitsault, held by a unit of **Phelps Dodge** (PD-N). Kitsault operated intermittently from 1968 until 1982 and hosts a historic (pre NI-43-101) resource of 104.3 million tonnes grading 0.11% molybdenum.

Another project receiving considerable exploration is the Davidson (Yorke-Hardy) molybdenum deposit, optioned by Blue Pearl Mining Limited The deposit is located on Hudson Bay Mountain, 10 kilometres west of the town of Smithers, B.C. or approximately 90 kilometres south of the Mount Thomlinson deposit.

Between 1965 and 1980, the deposit was explored by 2600 metres of underground development and 50,000 metres of core drilling. Blue Pearl has used this data to establish a NI 43-101 compliant resource (measured plus indicated) of 230 million tonnes, grading 0.12% molybdenum.

The Davidson molybdenum deposit is genetically related to a blind multiphase intrusion two kilometers within Hudson Bay Mountain. The deposit contains a high-grade core of 4.9 million tonnes (measured plus indicated) averaging 0.39% molybdenum. \*See Appendix D for map and reference material (information Circular 2005-3) pertaining to significant British Columbia molybdenum deposits.

#### Section 10.0

#### **EXPLORATION**

Exploration of the Mount Thomlinson property area has been carried out by several operators such as Buttle Lake Resources, Southwest Potash (AMAX), and TexasGulf Canada Limited. The main periods of exploration occurred from 1963 to 1965 and 1980 to 1981. Historical assay values for early trenching and diamond drilling work is not currently available, although drill core still remains on the property.

Exploration programs carried out to date include geological mapping, prospecting, topographic surveying, rock sampling, blast-trenching, and diamond drilling. To the author's knowledge, there have been no grid-related soil geochemical surveys or geophysical surveys carried out over the property area.

The author has reviewed the results of the rock-sampling program carried out in August, 2005 by the claim owner and professional geologists D. Gale and K. Armstrong. Sampling results returned values of up to 2495 ppm Mo, 3081 ppm Cu, 745 ppb Au and 161 ppm Ag. These assay results and rock descriptions are shown in table form as Appendix B.

#### 10.1

## **Diamond Drilling**

In 1964 and 1965, Southwest Potash (AMAX) carried out a nine-hole, BQ diamond drill program over the mineralized project area. The author does not currently have access to the data for the Southwest Potash drill program, however, drill logs and assay data are available for the TexasGulf drill programs carried out in 1980 and 1981.

In 1980 and 1981, TexasGulf Canada Limited carried out diamond drilling in the southwest area of the mineralized contact zone. Due to difficult ground conditions, only 2 of the 5 holes drilled by TexasGulf reached their proposed depth. Drill hole T-2-81 was collared at -45° and intersected 357 metres of 0.115% MoS2 and 0.11% Cu and was mineralized to the end of the hole at 769.3 metres. Assay data is available for drill hole T-2-81 and is displayed on drill sections (Figs. 9 and 10) as well as in table form in Appendix C. Drill holes T-1-80, T-1-81 and T-3-81 were not drilled to their proposed depth, thus did not receive any sampling. Drill hole T-4-81 received only sporadic sampling.

## Mount Thomlinson - Diamond Drill Data Table

| Hole<br>No. | dip   | Az. | Length (m) |
|-------------|-------|-----|------------|
|             |       |     |            |
| 64-1        | -40   | 247 | 421        |
| 64-2        | -30   | 295 | 321        |
| 64-3        | -30   | 115 | 152        |
| 64-4        | -40   | 350 | 270        |
| 64-5        | -20   | 295 | 215        |
| 65-6        | -37   | 335 | 358        |
| 65-7        | -45   | 335 | 259        |
| 65-8        | -58   | 335 | 259        |
| 65-9        | -56   | 335 | 152        |
| T-1-80      | -80   | 117 | 213        |
| T-1-81      | -52   | 300 | 173.8      |
| T-2-81      | -44.5 | 300 | 769.3      |
| T-3-81      | -51   | 261 | 87.5       |
| T-4-81      | -52.5 | 265 | 601.7      |

Drill hole locations with surface projections are shown on Figure 4.

#### 10.2

#### 2005 Rock Sampling Survey

The author has reviewed the results of the rock-sampling program carried out from August 10 and 14, 2005 by the claim owner and professional geologists D. Gale and K. Armstrong.

Sampling results returned values of up to 2495 ppm Mo, 3081 ppm Cu, 745 ppb Au, and 161 ppm Ag. The assay results and rock descriptions for the 2005 sampling program are shown in table form as **Appendix B**. Sample locations and rock geochemical values for molybdenum, copper, and gold are represented in **Figures 5 to 8**.

Rock sampling consisted of a variety of chip and grab samples taken from prospective areas of mineralization located along the contact zone between the quartz monzonite stock and the surrounding Bowser Lake Group argillaceous sediments. The majority of samples were taken from mineralized areas within the contact zone quartz monzonites.

## Sample Area 1 - Mount Thomlinson Deposit Area

The main area of rock sampling (16 samples) was carried out approximately 500 metres of the northeast-striking contact zone, which was previously investigated by Amax and TexasGulf during the 1960's and 1980's. The majority of samples (37001 to 37016), contain disseminated and vein-related mineralization (pyrite, chalcopyrite, and molybdenite) within quartz monzonites immediately adjacent to the argillite contact.

Samples 37001 to 37016 contain consistently anomalous molybdenum and copper values throughout the sampled area. Molybdenum values through this area ranged between 140 to 703 ppm Mo, with three samples (37002, 37003 and 37011) returning values of 1596, 1602, and 1063 Mo, respectively.

Copper values throughout this part of the mineral property ranged between 100 to 791 ppm Cu with two samples (37005 and 37016) returning values of 1186 and 1466, respectively.

As both strongly anomalous molybdenum and copper values were found at both ends of the 2005-sampled area, these samples provide validation for the economic grades of molybdenum and copper previously discovered throughout this area of the recognized Mt. Thomlinson ore body. The presence of economic molybdenum +/- copper has been borne out by the previous drilling and trenching programs carried out in this area of the mineral property.

## Sample Area 2

This sample area, located approximately 600 metres south-southeast of TexasGulf drill site T-1-81, T-2-81, T-3-81 and T-4-81, is defined by four close-spaced samples, 37030 to 37033. This area also lies on the contact zone between the quartz monzonite body and surrounding argillites. Samples 37031 and 37032 contained strongly anomalous molybdenum and copper. Sample 37031 returned 364 pm molybdenum and 298 ppm copper, while the nearby sample 37032, returned 2495ppm molybdenum and 3081ppm copper.

#### Sample Area 3

Samples 37028 and 370929 were collected 500 metres east-southeast of Sample Area 2. Sample 37028 was a float sample and contained vein-related molybdenum with a value of 607 ppm Mo. Sample 37029 was located very near to sample 37028 and contained sulphide mineralization returning high values in copper (2841 ppm Cu), lead (24,070 ppm Pb) zinc (8778 ppm Zn), silver (41.5 ppm Ag), and gold (282 ppb Au).

Sample 37029 is likely derived from silver-lead-zinc veins, which are often associated with this type of porphyry environment.

## Sample Area 4

A fourth area of prospecting and rock-sampling was carried out approximately 1 kilometer east-southeast of the TexasGulf drill-site location. Samples 37017 to 37022 were collected over an area of approximately 250 metres by 125 metres. Samples collected in this area contained anomalous copper values to 1284 ppm Cu and molybdenum to 515 ppm Mo. Float sample 37017 contained 745 ppb gold, 335 ppm copper, 1727 ppm lead, 161 ppm silver and 515 ppm molybdenum. As this was the highest gold value collected during the 2005 sampling survey, this area of the property should be thoroughly prospected to locate the source of the multi-element mineralization, as indicated by sample by sample 37017. It is believed that sample 37017 was derived from a silver-lead-zinc vein similar to sample 37029, sampled in Sample Area 3. The copper and molybdenum values associated with this mineralization have likely been scavenged from the monzonite host-rocks.

The Redbird molybdenum deposit (Minfile 093E-026) is located approximately 200 kilometres south of the Mount Thomlinson deposit. Like Mount Thomlinson, the Redbird deposit contains mineralization associated with an Eocene age stock of quartz monzonite porphyry intruding tuffaceous volcanic rocks of the Lower Jurassic age Telkwa Formation Hazelton Group. The Redbird deposit contains drill indicated reserves of 33.6 million tonnes grading 0.107 per cent molybdenum and underground reserves of 29.9 million tonnes grading 0.095 per cent molybdenum. Molybdenum mineralization is primarily associated with quartz-molybdenite pyrite veins with ore grades developed in an outer concentric annulus zone developed along the contact zone with the pyroclastic volcanic rocks. It is interesting to note that immediately beyond the ore zone, are found a number of late-stage veins containing galena (lead sulphide), sphalerite (zinc sulphide) and pyrite.

It is suggested that similar lead-zinc +/- silver veins occur at the Mount Thomlinson deposit area. Rock samples 37017 and 37029, as discussed above; indicate the presence of base metal vein mineralization. It remains to be determined whether the silver-lead-zinc veins occur in concentration that will be amenable to economic exploitation.

#### **Drill Core Resampling**

During the 2005 rock-sampling program, five sections of TexasGulf drill core were collected and re-sampled. Samples 37023 to 37027 showed anomalous copper values to 2482 ppm Cu and molybdenum values to 159 ppm Mo.

During examination of the drill core, it was noted that the upper 318 metres of drill hole T-81-2 had not been sampled by TexasGulf, although sections of both molybdenum and chalcopyrite were clearly observed in the unsampled drill core. Future drilling programs should carefully assess the presence of potentially economic zones by sampling all sections of drill core that contain any level of molybdenum +/- chalcopyrite mineralization.

Discovery Consultants also carried out a rock and drill core re-sampling program in 1993. This sampling work also determined the presence of consistent molybdenum and copper grades in the drill core. Core re-sampling was carried out at regular intervals for drill hole T-81-2. The sampling was carried out at 10 meter intervals from 610 metres to the end of the hole at 769 metres. Resampled drill core assays and surface rock sampling by Discovery Consultants are presented in **Appendix G**.

Of the 17 core samples that were assayed by Discovery Consultants, 8 samples returned molybdenum values of between 151 to 580 ppm Mo and four samples between 1022 to 7272 ppm Mo. Copper values through this sampling interval were also significant, with 7 samples returning 614 to 953 ppm Cu, 4 samples returning 1094 to 2196 ppm Cu, and one sample returning 3417 ppm Cu.

#### Discussion

Rock and drill core sampling on the Mount Thomlinson property have demonstrated the presence of widespread porphyry-related molybdenum-copper mineralization found at several locations along the periphery of the intrusive-sediment contact. Future planned exploration programs should initially focus on the main historically recognized molybdenum-copper ore body, however, it is recommended that the entire periphery of the 1.3 kilometer diameter intrusive body be thoroughly prospected and sampled in an attempt to locate other areas of economic interest on the Mount Thomlinson property.

#### Section 11.0

## **DATA VERIFICATION**

As the majority of the exploration work carried out on the Mount Thomlinson property was carried out in the early 1960's and early 1980's, the author cannot make a statement regarding the nature or process of this work.

The companies involved, such as Southwest Potash (AMAX) and TexasGulf Canada, were well-respected exploration companies and the author has no reason to doubt the quality of the work carried out by these companies.

#### Section 12.0

## **ADJACENT PROPERTIES**

There are no known mineral occurrences contiguous or in close proximity to the Mount Thomlinson mineral prospect.

The **Thomlinson Creek** mineral showing (Minfile No. 093M122), is located 11 kilometres east of Mount Thomlinson, 42 kilometres north-northeast of Hazelton. The property is underlain by carbonaceous sandstone, shale, and conglomerate of the Middle Jurassic to Lower Cretaceous Bowser Lake Group intruded by a small multi-phase intrusive body of Eocene Babine Intrusions, which intrude granodiorite, quartz monzonite, and biotite hornblende quartz diorite.

The intrusive body is 600 metres wide and at least 4 kilometres long. It is extensively fractured and mineralized with pyrrhotite and chalcopyrite as well as less common molybdenite and scheelite. Mineralization also extends into the hornfels zone, which is up to 300 metres wide adjacent to the intrusive.

Biotite feldspar porphyry and quartz porphyry dike rocks intrude the hornfels and quartz diorite. Silicification, together with kaolinitic, chloritic, and sericitic alteration, are characteristic of the property. Drill hole TC-81-6 returned an assay of 0.10% copper and 0.03% molybdenum over 72 metres.

The Laura property (Minfile No. 093M079), is located approximately 10 kilometres west-southwest of the Mount Thomlinson mineral prospect. The Laura property lies in a somewhat different geological environment to that of Mount Thomlinson. A two-phase granodioritic plug of Late Cretaceous Bulkley Intrusions cuts sediments of the Bowser Lake Group. Low-grade molybdenum, copper, and tungsten mineralization is widespread in the granodiorite and locally in the hornfelsed sedimentary rocks adjacent to the stock with the best grades lying in the margins of the stock.

Four stages of mineralization are evident. An early disseminated and fracture-controlled pyrite mineralization with chalcopyrite and amphibole was succeeded by a quartz vein stockwork carrying pyrite, chalcopyrite, and molybdenite. The third phase consists of hairline quartz veins with pyrite, pyrrhotite, molybdenite, and chalcopyrite; and finally wide-spaced late vuggy flat-lying quartz-carbonate-feldspar veins carrying pyrite, arsenopyrite, sphalerite, chalcopyrite, and locally jamesonite and stibnite.

## Section 13.0

## MINERAL RESOURCE AND MINERAL RESERVE ESTIMATES

The Mount Thomlinson mineral prospect contains a measured, indicated, and inferred reserve of 40.82 million tonnes grading 0.12 % MoS2, (0.072 per cent molybdenum, using a conversion factor of 1.6681)

This reserve estimate is stated in CIM Special Volume 15 (1976) and is shown as a reference in Appendix A.

This reserve estimate was derived from combined drill hole and trenching data obtained by operators of the mineral property over the period 1963 to 1965.

While previous operators have prepared what can be called historical resource estimates, these are not compliant with the NI 43-101 resource reporting regulations.

## Section 14.0

## OTHER RELEVANT DATA AND INFORMATION

At the time of writing this report, the author was in the process of locating specific data pertaining to geological, trenching, rock sampling, and diamond drill work carried out on the Mount Thomlinson project area by Buttle Lake Resources (1963) and Southwest Potash Limited (1964, 1965). When and if this information becomes availilable, it could be submitted as an addendum to the present report.

#### Section 15.0

#### INTERPRETATION AND CONCLUSIONS

Mount Thomlinson hosts a measured, indicated, and inferred reserve of 40,820 kt of 0.12 per cent MoS2. This resource has been confirmed and the mineralization extended by drilling by TexasGulf in 1981. The AMAX core was not assayed for copper or gold while the TexasGulf drilling shows prospective copper grades throughout sampled drill core intervals. Re-sampling of core and surface showings in 1993 by Discovery Consultants repeated grades and realized gold values of up to 50ppb. Re-sampling of core and surrounding areas in 2005 resulted in values of up to 2495 ppm Mo, 3081 ppm Cu, 745 ppb Au, and 161 ppm Ag.

A modern program of Induced Polarization surveys will be useful in delineating areas of conductive mineralized rock masses and subsequent drill targets. In conjunction, an extensive and comprehensive diamond drill program will improve upon the technically less efficient drill programs of the past. Future diamond drill programs will also be useful to properly assess the economic contribution of copper and/or gold credits that are associated with the recognized molybdenum resource, thereby expanding and refining the resource.

Based on a preliminary review of available data, the main potential for the property lies with mineralization contained within, and immediately adjacent to, a northwest striking steeply northwest dipping sediment-intrusive contact zone of approximately 900 metres length and one to two hundred metres in width.

Potential exists for other areas of economic mineral zones located around the periphery of the main body of the quartz monzonite stock.

Work performed by previous operators has demonstrated that significant potential exists for a classic disseminated, low grade, porphyry Mo (low-F-type) mineral deposit.

Based upon the foregoing, it is concluded that the project is one of merit and that further work is justified.

#### Section 16.0

#### RECOMMENDATIONS

#### 16.1 Discussion

It is recommended that further work be conducted on the property. This work comprises two phases, which are outlined below; cost estimates for each phase are presented in Section 8.2.

## Phase I

Tasks recommended for this phase primarily relate to additional rock sampling and geological mapping to confirm and expand on areas of known mineralization. Specifically, the fieldwork would focus on the following:

- i) Prospecting and sampling are proposed to follow up on the results obtained from previous workers and on previously untested showings and potentially mineralized areas. Another aspect of this work would be to obtain samples from fresh exposures in otherwise barren-looking rock to evaluate the extent of any leaching of molybdenite that may have occurred at surface. Important showings would be re-sampled for confirmatory assaying and description.
- ii) A surveyed grid baseline should be established approximately one kilometer long, trending northeasterly along the intrusive-sediment contact in the area of the main molybdenum ore body. Cross-lines should be established at 100-meter line spacings with line lengths of approximately 1000 metres straddling the contact zone.
- iii) Carry out Induced Polarization surveys over the established grid area of approximately 3.3 kilometres of grid length (33000m).

## 16.2 Cost Estimates

## Phase I

| Program planning, sourcing, permitting | \$ 7,500                 |
|--|--------------------------|
| Camp purchase/rental                   |                          |
| Food/Consumables                       |                          |
| Communications                         | 7,500                    |
| IP Surveys                             | \$45,000                 |
| Helicopter                             | <b># # # # # # # # #</b> |
| Field Crew                             |                          |
| Geological Consulting                  |                          |
| Assays                                 |                          |
| Vehicle/Rentals                        |                          |
| Mobilization/Demobilization            |                          |
| Reports                                |                          |
| Sub-total                              |                          |
| Contingency                            |                          |
| TOTAL                                  |                          |
|  |                          |

## Phase II

| Pre-field Data Compilation, program planning, sourcing, permi | tting\$ 15,000 |
|---|----------------|
| Additional Camp Facilities                                    |                |
| Food/Consumables  |                |
| Geochemical sampling/Rock blasting (follow-up)                |                |
| Diamond drilling (8 holes totaling 5000m)                     |                |
| Helicopter  |                |
| Vehicle/Rentals   |                |
| Assays  | \$115,000      |
| Field Crew  |                |
| Field Consulting (mapping, core logging, etc)                 |                |
| Communications  | \$15,000       |
| Mobilization/Demobilization                                   |                |
| Report  |                |
| Sub-total   |                |
| Contingency   |                |
| TOTAL   | \$1,028,500.00 |

#### Section 17.0

## **REFERENCES**

Bending, D.A. (1981)

Diamond Drill Report on the Molly and Tom Claims for TexasGulf Canada Limited (Assessment Report No. 9002)

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Porphyry Copper and Molybdenum Deposits, West-Central British Columbia (EMPR Bulletin 64, pgs. 123, 124, 126)

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Molly, Moly, Red Canyon, Len (The Buttle Lake Mining Company Limited) EMPR AR, pgs. 24-25

Section 18.0

## SIGNATURE PAGE

Herewith, my report on the Mount Thomlinson property, respectfully submitted by:

G. R. THOMSON

**Thomson Geological Consulting** 

Gregory R. Thomson, P. Geo.

Signed in Vancouver on February 24, 2006

#### CERTIFICATE OF AUTHOR

I, Gregory R. Thomson, P.Geo. am a Professional Geoscientist, and President of Thomson Geological Consulting of 40-21928-48<sup>th</sup> Avenue, Langley, B.C.

I am a member of the Association of Professional Engineers and Geoscientists of British Columbia, with Certificate No. 20649

I graduated from the University of British Columbia with a Bachelor of Science degree in Geology in 1970. I have practiced my profession for over 25 years both as an independent consultant and as a senior project geologist for a major mining company in Canada. My experience includes various levels of base metal and precious metal exploration

As a result of my experience and qualification I am a Qualified Person as defined in N. I. 43-101.

The sources of information not based on personal examination are quoted in the report. The information provided by the various parties is to the best of my knowledge and experience correct.

In the disclosure of information relating to permitting, agreements, and title, I have relied on information provided to me by the company. The author disclaims responsibility for such information. The information referred to is to be found under item PROPERTY DESCRIPTION.

I am not aware of any material fact or material change with respect to the subject matter of this technical report that is not reflected in this report, the omission to disclose which would make this report misleading.

I am independent of Cadre Capital Incorporated in accordance with the application of Section 1.5 of National Instrument 43-101.

I have read National Instrument 43-101, Form 43-101FI and this report has been prepared in compliance with NI 43-101 and Form 43-101FI.

This report on the Mount Thomlinson Property has been prepared solely for use by Cadre Capital Incorporated and may not be reproduced in whole or in part without permission of the author. Permission is hereby granted to Cadre Capital Incorporated for the inclusion of this report in support of any filings with the Canadian Venture Exchange (CDNX), British Columbia Securities Commission, and/or other regulatory bodies.

Dated this 24th day of February, 2006 in Vancouver, B. C.

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## Section 19.0

# STATEMENT OF COSTS MOUNT THOMLINSON PROJECT

| Item         | Description                      | Billing Method | Cost per   | Mandays/k | m Total    |
|--------------|----------------------------------|----------------|------------|-----------|------------|
| Geology      | Geology and sampling             | Per day        | \$ 500.00  | 04        | \$ 2000.00 |
| Field        | Sampling-prospecting             | Per day        | \$ 300.00  | 02        | \$ 600.00  |
| Helicopter   | Mount Thomlinson                 | 75%            | \$ -       | ·         | \$ 4006.83 |
| Report       | Compliance                       | Cost           | \$ 5594.99 | -         | \$ 5594.99 |
| Travel @ 20% | Travel                           | 20%            | \$         | -         | \$ 2440.36 |
| Subtotal     | -                                | -              |            | -         | \$14642.18 |
| Management   | Project management/ misc. costs. | Percentage     | 5%         | -         | \$ 732.11  |
| TOTAL        | _                                | -              | -          | _         | \$15374.29 |
|              |                                  |                |            |           |            |

# Appendix A

Mount Thomlinson Mineral Reserve CIM Special Volume No. 15, p. 422

TABLE 3 — Significant Undeveloped Molybdenum - Bearing Deposits of the Canadian Cordillera

| Property  | Company  | NTS  | Class*                         | Mis                     | nerals   |                         | Metals   | Size**<br>(tonnes × 106)                         | Grade<br>(% MoS <sub>2</sub> )                   | Metal Conten<br>(tonnes × 10 <sup>3</sup> M              | it<br>o) Ty                  | pe***  | Remarks   |
|---|--|--|--------------------------------|-------------------------|--|-------------------------|--|--|--|--|------------------------------|--------|---|
|   |  |  |                                |                         | BRIT   | ISH C                   | OLUMBI.  | 4  |  |  |                              |        |   |
| 10. Cascade Moly<br>11. Giant, etc.<br>12. Highmont<br>13. J-Å<br>14. Gnawed Mtn.<br>15. Maggie<br>16. Gem<br>17. Poison Mtn. | Scurry-Rainbow<br>Teck<br>Bethlehem<br>Minex<br>Bethlehem<br>Gemex<br>Copper Giant | 82K/12E<br>82K/12E<br>92I/7W<br>92I/7W<br>92I/7W<br>92I/14W<br>92H/12E<br>920/2E | SK<br>SK<br>PIII<br>PIII<br>PI | cp,<br>cp,<br>cp,<br>mo | cp, bn<br>bn, mo<br>bn, mo<br>mo   |                         | Mo<br>Mo<br>Cu, Mo<br>Cu, Mo<br>Cu, Mo<br>Cu, Mo<br>Mo<br>Cu, Mo | 1.36<br>0.73<br>136.0<br>259.4<br>32.66<br>181.4 | 0.27<br>0.39<br>0.051<br>0.030<br>0.016<br>0.017 | 2.20<br>1.70<br>41.64<br>46.70<br>3.13<br>18.51<br>42.18 | MI<br>M<br>M<br>M<br>M<br>MI | (SM)   | Ecological problems in exploitation (0.28 % Cu).  |
| 18. Salal Cr.<br>19. OK<br>20. Carmi  | B P Minerals<br>Granite Mtn.<br>Vestor, Kennco                                     | 92J/14W<br>92K/2E<br>82E/11E   | PI<br>PI<br>PI?                | mo<br>cp,               | mo   |                         | Mo<br>Cu, Mo   | 90.7   | 0.022<br>0.03                                    | 10.18<br>16.33   | MI                           | • •    | (0.33 % Cu) No reserve established; large low-grade potential. (0.30 % Cu)                        |
| 21. Red Bird<br>22. Ox Lake   | Phelps Dodge Asarco, Silver  | 93E/6E<br>93E/11E  | Pľ<br>Pl                       | mo                      | ur<br>mo   |                         | Mo (U)<br>Mo<br>Cu, Mo   | 27.2<br>+ ca 54.4<br>27.2                        | 0.25<br>0.1<br>0.07                              | 40.82<br>32.66<br>11.43                                  | MI<br>M                      | ;      | (0.26 % Cu)   |
| 23. Huckleberry<br>24. Berg   | Standard<br>Granby, Kennco<br>Placer, Kennco                                       | 93E/11E<br>93E/14W   | P I<br>P I                     | cp,                     | bn, mo   | , mo                    | Cu, Mo<br>Cu, Mo   | 78.92<br>357.4                                   | 0.025<br>0.054                                   | 11.43<br>11.84<br>115.81                                 | M                            |        | (0.41 % Cu)<br>(0.41 % Cu)<br>(0.25% cutoff, but only 226.8 × 10° tonnes with 2.75:1              |
| 25. Lucky Ship<br>26. Glacier Gulch<br>27. Serb Cr.   | Amax<br>Climax<br>Amax   | 93L/3W<br>93L/14W<br>93L/12W   | PI<br>PI<br>PI                 | mo<br>mo,               |  |                         | Mo<br>Mo (W)<br>Mo   | 18.0<br>90.72                                    | 0.17<br>0.29                                     | 18.36<br>157.85  | M                            | (SM)   | stripping ratio (0.40 % Cu),  |
| 28. Mt. Thomlinson  | Amax   | 93M/12W  | PI                             | mo                      | وهداء المحمد | فسيأ لحيك الإنسان الديد | Mo   | 40.82  | 0.12   | 29.39  | SI<br>M                      | I (SM  | . · · · · · · · · · · · · · · · · · · ·   |
| 29. Ben Moly<br>30. Ajax  | Newmont  | 103P/6W<br>103P/11E  | PI                             | mo<br>mo                |  |                         | Mo<br>Mo   | 31./5<br>178.54                                  | 0.11<br>0.121                                    | 20.96<br>129.62  | M                            |        | Very high stripping ratio, with total reserves of 417.3 × 10° tonnes 0.09 MoS <sub>2</sub>        |
| 31. Roundy Cr.  | Climax   | 103P/6W  | PΙ                             | mo                      |  |                         | Mo   | 1.36   | 0.347  | 7.45   | M                            |        | 417.5 10 10111165 0.05 111052   |
| 32. Schaft Creek  | Hecla, Silver<br>Standard  | 104G/6E, 7\  | WPI                            | cp,                     | bn, m  | 0                       | Cu, Mo   | +7.0<br>266.7<br>90.72                           | 0.11<br>0.036<br>0.047                           | 57.61  | М                            | I      | (0.40 % Cu)   |
| 33. Joem (Mt. Haskins)  |  | 104P/6W  | P !?                           |                         | si, cp   |                         | Mo, Cu   | 12.25  | 0.15   | 11.02  |                              | ii (SN | i) Molybdenum-bearing stockwork with adjacent skarn.  |
| 34. Storie<br>35. Adanac  | New Jersey Zinc<br>Noranda   | 104P/5W<br>104N/11W  | P 17<br>P 1                    | mo<br>mo,               | sc   |                         | Mo (W)   | 94.53  | 0.16   | 90.75  | M                            |        | Recent drilling added minor new tonnage and slight increase in grade. Low stripping ratio, 0.63:1 |
|   | •  |  |                                | ··                      |  | YU                      | KON  |  |  |  |                              |        |   |
| 36. Casino  | Teck   | 115J/10W   | P·I                            | cp,                     | cc, m  | 0                       | Cu, Mo   | 161.1  | 0.023  | 22.23  | N                            | ii (Sn | 1) (0.37 % Cu)  |
|   |  |  |                                |                         |  |                         |  |  | Sub-Total<br>Mines                               |  |                              |        |   |
|   |  |  |                                |                         |  | ٠                       |  |  | TOTAL  | <b>-</b> 1,340.98  |                              |        |   |

<sup>\* —</sup> Geological class, P I, P II and P III - porphyry deposits; SK — skarn; PEG — pegmatite

\*\* — Maximum size indicated on initial or subsequent exploration

\*\*\* — Reserve at 31/12/74, Type M — measured; MI — measured and indicated; MII — measured, indicated and inferred; SM — submarginal Data from B.C. Department of Mines and Petroleum Resources

| Niav  | MA 28-Dui   | quartz<br>monzonite;<br>alaskite  |  |                                    |                                      |   |                     |  |   | ser, py, car   | 2. stockwork,<br>qz, mo, py<br>veins   |
|---|---|---|--|------------------------------------|--------------------------------------|---|---------------------|--|---|--|--|
| Ajax<br>103P/11W<br>(Carter, 1974)                | Mt. McGuire<br>stocks and<br>dykes  | quartz<br>monzonite;<br>granodiorite<br>porphyry  | elongate-<br>rectilinear<br>contacts<br>(4 stocks<br>plus dykes) | 450 × 300<br>to<br>300 × 150       | 53.5 ± 3                             | Hazelton Gp.<br>siltst., gwke,<br>augite<br>andesite    | M. Jur,             | circular<br>plan   | stockwork,<br>quartz<br>veins                       | A. bi hornfels  -i skarn B. i. K.fs, bi silic 2. qz, ab, ep 3. py halo   | 1. qz, po<br>2. qz, mo<br>3. qz, mo<br>4. qz. sp, py,<br>gn, cp  |
| Bell<br>Molybdenum<br>103P/GW<br>(Carter, 1974)   | Clary<br>Creek<br>stock   | 1. quartz monzonite porphyry; grano- diorite porphyry 2. quartz- feldspar porphyry (quartz monz.) | elliptical   | 670 × 300                          | 52.9 ± 2<br>51.7 ± 2.2<br>48.7 ± 1.5 | Bowser<br>assemblage<br>(U. Hazelton)<br>argil. siltst. | U. Jur-<br>L. Cret. | crescentic<br>around<br>eastern<br>part of<br>stock  | stockwork,<br>quartz<br>yeins                       | A. bi hornfels B. l. inner K-fs, bi 2. peripheral ser, py  | 1. barren qz<br>2. qz, mo (py)<br>3. qz, car, py,<br>po, gn, sp<br>4. qz, car, py,<br>po, gn, sp                     |
| Red Bird<br>93E/6E<br>(Sutherland<br>Brown, 1972) | Red Bird<br>stack   | quariz<br>monzonite<br>porphyry   | cylindrical  | 1000 × 1000                        | 49.0 ± 2<br>50.0 ± 2                 | Hazelton Gp.<br>andesitic<br>pyrocl.                    | M. Jur.             | annular<br>cylindrical   | stockwork,<br>fract.<br>filling,<br>quartz<br>veins | A. bi (act) horn- fels B. 1. inner K-fs, ser 2. peripheral qz, ser, py + irregular silicification 3. outer chi, ep | 1. barren qz<br>2. qz, mo, (py)<br>3. qz, mo, (py)<br>4. qz, mo, (py)<br>5. barren qz<br>6. mo, py ("dry"<br>fract.) |
| Lucky Ship<br>93L/3W<br>(Carter, 1974)            | Lucky Ship<br>stock   | quartz<br>porphyry<br>(alaskite)  | elliptical<br>plan,<br>formed of<br>non-coaxial<br>cylinders     | 1200 × 600                         | 49.9 ± 3                             | Hazelton Gp.<br>andesitic<br>pyrocl. &<br>argillite     | Jur.                | 1. early shelf largely destroyed by later intrusion 2. annular shelf on youngest intrusion  1. annular shelf on youngest intrusion | stockwork   | A. bi (act) horn-<br>fels B. 1, inner K-fs 2. peripheral qz, ser, (py) 3. outer chi, cp                            | 1. mo ("dry" fract<br>2. qz, K-fs, ser,<br>py, cp, gn, sp  |
| Mount<br>Thomlinson<br>93M/13W<br>(Kirkham, 1965) | Total Control | quartz<br>monzonite<br>porphyry;<br>quartz<br>monzonite<br>porphyry<br>dyke;<br>aplite-peg.       | elliptical   | 1200 × 1500                        | 53.8                                 | Hazelton Gp.<br>argillite                               | U. Jur-<br>L. Cret. | ellipical<br>(along NW<br>contact)   | słockwork;<br>gz vein                               | A. bi hornfels<br>B. (not recorded)  | mo, cp, py, mt, sc, qz   |
| Gem<br>92H/12E<br>(Young and<br>Aird, 1969)       | Gem<br>stock  | composite;<br>quartz<br>monz. breccia;<br>granite;<br>aplite-peg.                                 | roughly<br>elliptical  | 1200 × 520<br>breccia<br>300 × 450 | 20-30(?)                             | granodiorite<br>schist<br>gneiss                        | ?                   | arcuate-<br>peripheral<br>to<br>breccia  | gz veins<br>(stock-<br>work?)                       | silcification<br>argillization or<br>sericitization<br>propylitic  | qz, K·fs, car,<br>mo, (cp, py,<br>sc, po, sp, gn,<br>mt, bis)  |

<sup>\*</sup>National Topographic System

<sup>\*\*</sup>A = metamorphism of host rocks; B = alteration sequence from interior to exterior.

<sup>\*\*\*</sup>Vein sequence from oldest to youngest.

# Appendix B 2005 Rock Sampling Summary and Assays Mo - Cu

## 2005 Rock Sampling Summary and Assays Mo-Cu

| Sample            | Sampler | SampleType | Easting | Northing | Datum | RockSampleType  | RockType               | A 1stQualifier | Comments   | Mo ppm | Cu ppm |
|-------------------|---------|------------|---------|----------|-------|-----------------|------------------------|----------------|--|--------|--------|
| 37001             | DFG     | Rock       | 595118  | 6161045  | Nad83 | chip over 60 cm | Quartz Monzonite       | veined         | Veins 2-8 cm thick and comprising 50 % of the sample.<br>Veins are unmin'n but the intrusive wall-rock. Possibly<br>some moly but could be tarnished py. | 290    | 410    |
| 37002             | DFG     | Rock       | 595068  | 6161111  | Nad83 | grab            | Quartz Monzonite       | porphyritic    | Veins are present but hard to define margins within sample. Biotite forms 0.5-1 cm xtls. Moly is visible within intrusive and veins.                     | 1596   | 268    |
| 37003             | KAA     | Rock       | 595076  | 6161134  | Nad83 | channel         | Quartz Monzonite       | porphyritic    | Composite sample along trench. End of trench is 595126E 6161104N. SE end is weakly min'n. Only o/c was sampled.  | 1602   | 440    |
| 37004             | DFG     | Rock       | 595068  | 6161111  | Nad83 | grab            | Vein Material          | vein - quartz  | Cu staining on fracture surfaces. Moly both diss and within 1-2 cm long, 5mm thick veinlets.   | 640    | 791    |
| 37005             | KAA     | Rock       | 595102  | 6161129  | Nad83 | grab            | Quartz Monzonite       | porphyritic    |  | 703    | 1186   |
| 3700 <del>6</del> | AWM     | Rock       | 595103  | 6161188  | Nad83 | grab            | Vein Material          | vein - quartz  | 6cm wide vein from trench within sediments. No other sulphides.  | 105    | 143    |
| 37007             | DFG     | Rock       | 595101  | 6161230  | Nad83 | grab            | Vein Material          | vein - quartz  | 1-3 cm wide veins of qtz within silicified sediments. Well developed gossan in area. Veins comprise 5-15% of rock.                                       | 71     | 100    |
| 37008             | AWM     | Rock       | 595082  | 6161230  | Nad83 | grab            | Siltstone              | Weakly banded  | Taken from Seds app. 20-30m from contact. Py occurs up to 15% in cubes, blebs and disseminations.  | 135    | 106    |
| 37009             | AWM     | Rock       | 595172  | 6161336  | Nad83 | float           | Quartz Monzonite       | porphyritic    |  | 208    | 611    |
| 37010             | KAA     | Rock       | 595285  | 6161232  | Nad83 | float           | Ouartz Monzonite       | porphyritic    | Coord in lat long: 55 35.263, 127 29.292   | 279    | 550    |
| 37011             | DFG     | Rock       | 595210  | 6161451  | Nad83 | grab            | Ouartz Monzonite       |                | Thin veinlets sub-mm thick to diss min on fracture faces   | 1063   | 521    |
| 37012             | AWM     | Rock       | 595300  | 6161293  | Nad83 | grab            | Ouartz Monzonite       | 1              |  | 140    | 39     |
| 37013             | AWM     | Rock       | 595175  | 6161512  | Nad83 | grab            | Ouartz Monzonite       |                |  | 454    | 148    |
| 37014             | AWM     | Rock       | 595282  | 6161546  | Nad83 | chip            | Vein Material          | vein- quartz   |  | 158    | 118    |
| 37015             | DFG     | Rock       | 595270  | 6161547  | Nad83 | grab            | Vein Material          | vein - quartz  |  | 525    | 110    |
| 37016             | AWM     | Rock       | 595235  | 6161527  | Nad83 | chip            | Quartz<br>Monzonite515 |                |  | 371    | 1466   |
| 37017             | DFG     | Rock       | 596069  | 6160650  | Nad83 | float           | Siltstone              | vein - quartz  | Veins are 1-2cm thick and cutting sediments. Blueish grey mineral moly? assoc with vein.   | 23     | 335    |
| 37018             | AWM     | Rock       | 596095  | 6160654  | Nad83 | float           | Vein Material          | vein - quartz  |  | 10     | 32     |
| 37019             | AWM     | Rock       | 596108  | 6160647  | Nad83 | grah            | Vein Material          | vein - quartz  |  | 7      | 1217   |

| 37020 | DFG | Rock | 596162 | 6160572 | Nad83 | subcrop | Quartz Monzonite | porphyritic   | Extensive Cu staining (malachite) on weathered surface of 1.5x1.5m oc. Cpy is diss within the qtz mon. Numerous float of malachite stained rock.   | 96   | 892  |
|-------|-----|------|--------|---------|-------|---------|------------------|---------------|--|------|------|
| 37021 | AWM | Rock | 596244 | 6160648 | Nad83 | grab    | Vein Material    | vein - quartz |  | 260  | 81   |
| 37022 | DFG | Rock | 596195 | 6160583 | Nad83 | grab    | Sandstone        | muddy         | Muddy fine grd. sandstone with both diss, py up to 35% in places but typically 5-10 and also massive 1-2 cm veins. Rock is app 20 west of the contact. Extensive gossaning within sediments. | 159  | 1284 |
|       |     |      |        |         |       |         |                  |               |  | 607  | 110  |
| 37028 | KAA | Rock | 595850 | 6160292 | Nad83 | float   | Vein Material    | vein - quartz | 5% sulphides, mostly pyrite but possibly Mo.   |      |      |
| 37029 | KAA | Rock | 595845 | 6160274 | Nad83 | grab    | Quartz Monzonite | porphyritic   | 20m uphill from 37028. Sample contains Py and Cpy and Fluorite +/- Mo.   | 9    | 2841 |
| 37030 | DFG | Rock | 595419 | 6160432 | Nad83 | float   | Sandstone        | foliated      | Qtz veins are 0.5-1 cm thick and contain blebs of moly.  | 437  | 52   |
| 37031 | KAA | Rock | 595409 | 6160405 | Nad83 | erab    | Quartz Monzonite |               | Limited qtz veining within intrusive.  | 39   | 62   |
| 37032 | DFG | Rock | 595415 | 6160423 | Nad83 | float   | Ouartz Monzonite |               | Single fracture/veined surface gives impression of disseminations. Float is close to contact with sediments.   | 364  | 298  |
| 37033 | AWM | Rock | 595398 | 6160431 | Nad83 | chip    | Quartz Monzonite |               | Veins and fractures containing trace vis moly and pyrite.<br>qtz vein 8 cm thick within mineralized fracture. Fracture<br>in 246/85.   | 2495 | 3081 |

# Appendix C

# Drillhole T-2-81 Assay Table and Mean Totals

## Drillhole T-2-81 Assay Table and Mean Totals

| 1 T_2 81 | ASSAY (1 | 1981) TABLE |         |        |        | = ><br>0.15% | => 0.10%       |          |          |         |       |
|----------|----------|-------------|---------|--------|--------|--------------|----------------|----------|----------|---------|-------|
| rom m    | Tom      | Number      | Width m | Au ppm | Ag ppm | Cu %         | MoS2 %         | Au (w*a) | Ag (w*a) | Cu(w*a) | Mo(w* |
| 318      | 321      | 60001       | 3       |        |        | 0.07         | 0.003          | 0        | 0        | 0.21    | 0.00  |
| 321      | 324      | 60002       | 3       |        |        | 0.19         | 0.010          | 0        | 0        | 0.57    | 0.0   |
| 324      | 327      | 60003       | 3       |        |        | 0.10         | 0.010          | 0        | 0        | 0.3     | 0.0   |
| 327      | 330      | 60004       | 3       |        |        | 0.12         | 0.010          | 0        | 0        | 0.36    | 0.    |
| 330      | 333      | 60005       | 3       |        |        | 0.13         | 0.005          | 0        | 0        | 0.39    | 0.0   |
| 333      | 336      | 60006       | 3       |        |        | 0.46         | 0.007          | 0        | 0        | 1.38    | 0.0   |
| 336      | 339      | 60007       | 3       |        |        | 0.19         | 0.017          | 0        | 0        | 0.57    | 0.0   |
| 339      | 342      | 60008       | 3       |        |        | 0.13         | 0.020          | 0        | 0        | 0.39    | 0.    |
| 342      | 345      | 60009       | 3       |        |        | 0.10         | 0.003          | 0        | 0        | 0.3     | 0.0   |
| 345      | 348      | 60010       | 3       |        |        | 0.08         | 0.025          | 0        | 0        | 0.24    | 0.0   |
| 348      | 351      | 60011       | 3       |        |        | 0.08         | 0.010          | 0        | 0        | 0.24    | 0.    |
| 351      | 354      | 60012       | 3       |        |        | 0.10         | 0.007          | 0        | 0        | 0.3     | 0.0   |
| 354      | 357      | 60013       | 3       |        |        | 0.16         | 0.010          | 0        | 0        | 0.48    | 0.    |
| 357      | 360      | 60014       | 3       |        |        | 0.11         | 0.017          | 0        | 0        | 0.33    | 0.0   |
| 360      | 363      | 60015       | 3       |        |        | 0.09         | 0.025          | 0        | 0        | 0.27    | 0.0   |
| 363      | 366      | 60016       | 3       |        |        | 0.06         | 0.013          | 0        | 0        | 0.18    | 0.0   |
| 366      | 369      | 60017       | 3       |        |        | 0.09         | 0.037          | 0        | 0        | 0.27    | 0.1   |
| 369      | 372      | 60018       | 3       |        |        | 0.01         | 0.003          | 0        | 0        | 0.03    | 0.0   |
| 372      | 375      | 60019       | 3       |        |        | 0.12         | 0.032          | 0        | 0        | 0.36    | 0.0   |
| 375      | 378      | 60020       | 3       |        |        | 0.10         | 0.028          | 0        | 0        | 0.3     | 0.0   |
| 378      | 381      | 60021       | 3       |        |        | 0.09         | 0.022          | 0        | 0        | 0.27    | 0.0   |
| 381      | 384      | 60022       | 3       |        |        | 0.10         | 0.050          | 0        | 0        | 0.3     | 0.0   |
| 384      | 387      | 60023       | 3       |        |        | 0.14         | 0.088          | 0        | 0        | 0.42    | 0.2   |
|          |          | 60024       | 3       | -      |        | 0.15         | 0.068          | 0        | 0        | 0.45    | 0.2   |
| 387      | 390      |             | 3       |        |        | 0.13         | 0.000          | 0        | 0        | 0.36    | 0.2   |
| 390      | 393      | 60025       |         |        |        | 0.12         | 0.090          | 0        | 0        | 0.30    | 0.2   |
| 393      | 396      | 60026       | 3       |        |        | 0.07         | 0.092          | 0        | 0        | 0.09    | 0.0   |
| 396      | 399      | 60027       | 3       |        |        | 0.10         | 0.013          | 0        | 0        | 0.09    | 0.1   |
| 399      | 402      | 60028       | 3       |        |        |              |                | 0        | 0        | 0.42    | 0.5   |
| 402      | 405      | 60029       | 3       |        |        | 0.14         | 0.185<br>0.053 | 0        | 0        | 0.42    | 0.1   |
| 405      | 408      | 60030       | 3       |        |        |              |                |          |          |         | 0.1   |
| 408      | 411      | 60031       | 3       |        |        | 0.11         | 0.057          | 0        | 0        | 0.33    |       |
| 411      | 414      | 60032       | 3       | -      |        | 0.28         | 0.030          | 0        | 0        | 0.84    | 0     |
| 414      | 417      | 60033       | 3       |        |        | 0.12         | 0.042          | 0        | 0        | 0.36    | 0.    |
| 417      | 420      | 60034       | 3       |        |        | 0.11         | 0.065          | 0        | 0        | 0.33    | 0.1   |
| 420      | 423      | 60035       | 3       |        |        | 0.09         | 0.023          | 0        | 0        | 0.27    | 0.0   |
| 423      | 426      | 60036       | 3       |        |        | 0.10         | 0.030          | 0        | 0        | 0.3     | 0     |
| 426      | 429      | 60037       | 3       |        |        | 0.08         | 0.050          | 0        | 0        | 0.24    | 0     |
| 429      | 432      | 60038       | 3       |        |        | 0.10         | 0.020          | 0        | 0        | 0.3     | 0     |
| 432      | 435      | 60039       | 3       |        |        | 0.11         | 0.042          | 0        | 0        | 0.33    | 0.    |
| 435      | 438      | 60040       | 3       |        |        | 0.11         | 0.067          | 0        | 0        | 0.33    | 0.:   |
| 438      | 441      | 60041       | 3       |        |        | 0.12         | 0.107          | 0        | 0        | 0.36    | 0.3   |
| 441      | 444      | 60042       | 3       |        |        | 0.18         | 0.103          | 0        | 0        | 0.54    | 0.3   |
| 444      | 447      | 60043       | 3       |        |        | 0.17         | 0.132          | 0        | 0        | 0.51    | 0.3   |
| 447      | 450      | 60044       | 3       |        |        | 0.15         | 0.127          | 0        | 0        | 0.45    | 0.3   |
| 450      | 453      | 60045       | 3       |        |        | 0.13         | 0.070          | 0        | 0        | 0.39    |       |
| 453      | 456      | 60046       | 3       |        |        | 0.17         | 0.088          | 0        | 0        | 0.51    | 0.:   |
| 456      | 459      | 60047       | 3       |        |        | 0.15         | 0.067          | 0        | 0        | 0.45    | 0.:   |
| 459      | 462      | 60048       | 3       |        |        | 0.11         | 0.035          | 0        | 0        | 0.33    | 0.    |
| 462      | 465      | 60049       | 3       |        |        | 0.08         | 0.023          | 0        | 0        | 0.24    | 0.0   |
| 465      | 468      | 60050       | 3       |        |        | 0.09         | 0.015          | 0        | 0        | 0.27    | 0.0   |
| 468      | 471      | 60051       | 3       |        |        | 0.16         | 0.113          | 0        | 0        | 0.48    | 0.3   |
| 471      | 474      | 60052       | 3       |        |        | 0.11         | 0.040          | 0        | 0        | 0.33    |       |
| 474      | 477      | 60053       | 3       |        |        | 0.18         | 0.067          | 0        | 0        | 0.54    | 0.3   |
| 477      | 480      | 60054       | 3       |        |        | 0.15         | 0.095          | 0        | 0        | 0.45    | 0.3   |

| 480 | 483        | 60055 | 3 |       | 0.18 | 0.332 | 0 | 0 | 0.54 | 0.996 |
|-----|------------|-------|---|-------|------|-------|---|---|------|-------|
| 483 | 486        | 60056 | 3 |       | 0.06 | 0.053 | 0 | 0 | 0.18 | 0.159 |
| 486 | 489        | 60057 | 3 |       | 0.13 | 0.277 | 0 | 0 | 0.39 | 0.83  |
| 489 | 492        | 60058 | 3 |       | 0.12 | 0.165 | 0 | 0 | 0.36 | 0.495 |
| 492 | 495        | 60059 | 3 |       | 0.10 | 0.252 | 0 | 0 | 0.3  | 0.756 |
| 495 | 498        | 60060 | 3 |       | 0.09 | 0.070 | 0 | 0 | 0.27 | 0.2   |
| 498 | 501        | 60061 | 3 |       | 0.18 | 0.147 | 0 | 0 | 0.54 | 0.44  |
| 501 | 504        | 60062 | 3 |       | 0.09 | 0.068 | 0 | 0 | 0.27 | 0.20  |
| 504 | 507        | 60063 | 3 |       | 0.15 | 0.102 | 0 | 0 | 0.45 | 0.30  |
| 507 | 510        | 60064 | 3 |       | 0.11 | 0.102 | 0 | 0 | 0.33 | 0.30  |
|     |            | 60065 | 3 |       | 0.10 | 0.065 | 0 | 0 | 0.3  | 0.19  |
| 510 | 513<br>516 | 60066 | 3 |       | 0.12 | 0.162 | 0 | 0 | 0.36 | 0.48  |
| 513 |            | 60067 | 3 |       | 0.14 | 0.187 | 0 | 0 | 0.42 | 0.56  |
| 516 | 519        |       |   |       | 0.14 | 0.123 | 0 | 0 | 0.54 | 0.36  |
| 519 | 522        | 60068 | 3 |       | 0.18 | 0.095 | 0 | 0 | 0.39 | 0.28  |
| 522 | 525        | 60069 | 3 |       | 0.13 | 0.130 | 0 | 0 | 0.42 | 0.3   |
| 525 | 528        | 60070 | 3 |       |      |       |   |   |      | 0.5   |
| 528 | 531        | 60071 | 3 |       | 0.10 | 0.190 | 0 | 0 | 0.36 | 0.26  |
| 531 | 534        | 60072 | 3 |       | 0.12 | 0.087 | 0 |   |      | 0.29  |
| 534 | 537        | 60073 | 3 |       | 0.15 | 0.097 | 0 | 0 | 0.45 |       |
| 537 | 540        | 60074 | 3 |       | 0.15 | 0.193 | 0 | 0 | 0.45 | 0.57  |
| 540 | 543        | 60075 | 3 |       | 0.13 | 0.152 | 0 | 0 | 0.39 | 0.45  |
| 543 | 546        | 60076 | 3 |       | 0.06 | 0.042 | 0 | 0 | 0.18 | 0.12  |
| 546 | 549        | 60077 | 3 |       | 0.10 | 0.055 | 0 | 0 | 0.3  | 0.16  |
| 549 | 552        | 60078 | 3 |       | 0.08 | 0.138 | 0 | 0 | 0.24 | 0.41  |
| 552 | 555        | 60079 | 3 |       | 0.10 | 0.115 | 0 | 0 | 0.3  | 0.34  |
| 555 | 558        | 60080 | 3 |       | 0.08 | 0.138 | 0 | 0 | 0.24 | 0.4   |
| 558 | 561        | 60081 | 3 |       | 0.13 | 0.177 | 0 | 0 | 0.39 | 0.53  |
| 561 | 564        | 60082 | 3 |       | 0.10 | 0.067 | 0 | 0 | 0.3  | 0.20  |
| 564 | 567        | 60083 | 3 |       | 0.18 | 0.225 | 0 | 0 | 0.54 | 0.67  |
| 567 | 570        | 60084 | 3 |       | 0.13 | 0.567 | 0 | 0 | 0.39 | 1.70  |
| 570 | 573        | 60085 | 3 |       | 0.05 | 0.022 | 0 | 0 | 0.15 | 0.06  |
|     |            |       |   |       | 0.10 | 0.103 | 0 | 0 | 0.3  | 0.30  |
| 573 | 576        | 60086 | 3 |       | 0.10 | 0.103 | 0 | 0 | 0.33 | 0.59  |
| 576 | 579        | 60087 | 3 | 11.00 | 0.08 | 0.138 | 0 | 0 | 0.24 | 0.4   |
| 579 | 582        | 60088 | 3 |       |      |       |   |   |      | 0.26  |
| 582 | 585        | 60089 | 3 |       | 0.07 | 0.088 | 0 | 0 | 0.21 | 0.20  |
| 585 | 588        | 60090 | 3 |       | 0.06 | 0.060 | 0 |   |      | 0.0   |
| 588 | 591        | 60091 | 3 |       | 0.07 | 0.030 | 0 | 0 | 0.21 |       |
| 591 | 594        | 60092 | 3 |       | 0.09 | 0.108 | 0 | 0 | 0.27 | 0.3   |
| 594 | 597        | 60093 | 3 |       | 0.06 | 0.060 | 0 | 0 | 0.18 | 0.    |
| 597 | 600        | 60094 | 3 |       | 0.10 | 0.085 | 0 | 0 | 0.3  | 0.2   |
| 600 | 603        | 60095 | 3 |       | 0.06 | 0.173 | 0 | 0 | 0.18 | 0.5   |
| 603 | 606        | 60096 | 3 |       | 0.05 | 0.075 | 0 | 0 | 0.15 | 0.2   |
| 606 | 609        | 60097 | 3 |       | 0.08 | 0.160 | 0 | 0 | 0.24 | 0.    |
| 609 | 612        | 60098 | 3 |       | 0.09 | 0.375 | 0 | 0 | 0.27 | 1.13  |
| 612 | 615        | 60099 | 3 |       | 80.0 | 0.102 | 0 | 0 | 0.24 | 0.3   |
| 615 | 618        | 60100 | 3 |       | 0.05 | 0.060 | 0 | 0 | 0.15 | 0.    |
| 618 | 621        | 60951 | 3 |       | 0.22 | 0.542 | 0 | 0 | 0.66 | 1.62  |
| 621 | 624        | 60952 | 3 |       | 0.10 | 0.163 | 0 | 0 | 0.3  | 0.4   |
| 624 | 627        | 60953 | 3 |       | 0.11 | 0.152 | 0 | 0 | 0.33 | 0.4   |
|     |            | 60954 | 3 |       | 0.08 | 0.188 | 0 | 0 | 0.24 | 0.5   |
| 627 | 630        |       | 3 | -     | 0.12 | 0.160 | 0 | ő | 0.36 | 0.    |
| 630 | 633        | 60955 | 3 |       | 0.12 | 0.160 | 0 | 0 | 0.33 | 0.1   |
| 633 | 636        | 60956 |   | -     |      |       |   |   |      |       |
| 636 | 639        | 60957 | 3 |       | 0.07 | 0.052 | 0 | 0 | 0.21 | 0.1   |
| 639 | 642        | 60958 | 3 |       | 0.07 | 0.040 | 0 | 0 | 0.21 | 0.    |
| 642 | 645        | 60959 | 3 |       | 0.07 | 0.037 | 0 | 0 | 0.21 | 0.1   |
| 645 | 648        | 60960 | 3 |       | 0.07 | 0.117 | 0 | 0 | 0.21 | 0.3   |
| 648 | 651        | 60961 | 3 |       | 0.06 | 0.042 | 0 | 0 | 0.18 | 0.1   |
| 651 | 654        | 60962 | 3 |       | 0.07 | 0.122 | 0 | 0 | 0.21 | 0.3   |

| 654 | 657   | 60963 | 3   | 0.08 | 0.227 | 0 | 0 | 0.24  | 0.681  |
|-----|-------|-------|-----|------|-------|---|---|-------|--------|
| 657 | 660   | 60964 | 3   | 0.10 | 0.127 | 0 | 0 | 0.3   | 0.381  |
| 660 | 663   | 60965 | 3   | 0.07 | 0.244 | 0 | 0 | 0.21  | 0.732  |
| 663 | 666   | 60966 | 3   | 0.07 | 0.250 | 0 | 0 | 0.21  | 0.75   |
| 666 | 669   | 60967 | 3   | 0.07 | 0.072 | 0 | 0 | 0.21  | 0.216  |
| 669 | 672   | 60968 | 3   | 0.07 | 0.053 | 0 | 0 | 0.21  | 0.159  |
| 672 | 675   | 60969 | 3   | 0.04 | 0.030 | 0 | 0 | 0.12  | 0.09   |
| 675 | 678   | 60970 | 3   | 0.11 | 0.095 | 0 | 0 | 0.33  | 0.285  |
| 678 | 681   | 60971 | 3   | 0.03 | 0.035 | 0 | 0 | 0.09  | 0.105  |
| 681 | 684   | 60972 | 3   | 0.12 | 0.267 | 0 | 0 | 0.36  | 0.801  |
| 684 | 687   | 60973 | 3   | 0.31 | 0.190 | 0 | 0 | 0.93  | 0.57   |
| 687 | 690   | 60974 | 3   | 0.13 | 0.093 | 0 | 0 | 0.39  | 0.279  |
| 690 | 693   | 60975 | 3   | 0.08 | 0.145 | 0 | 0 | 0.24  | 0.435  |
| 693 | 696   | 60976 | 3   | 0.10 | 0.037 | 0 | 0 | 0.3   | 0.111  |
| 696 | 699   | 60977 | 3   | 0.05 | 0.040 | 0 | 0 | 0.15  | 0.12   |
| 699 | 702   | 60978 | 3   | 0.08 | 0.027 | 0 | 0 | 0.24  | 0.081  |
| 702 | 705   | 60979 | 3   | 0.09 | 0.205 | 0 | 0 | 0.27  | 0.615  |
| 705 | 708   | 60980 | 3   | 0.05 | 0.062 | 0 | 0 | 0.15  | 0.186  |
| 708 | 711   | 60981 | 3   | 0.06 | 0.072 | 0 | 0 | 0.18  | 0.216  |
| 711 | 714   | 60982 | 3   | 0.07 | 0.107 | 0 | 0 | 0.21  | 0.321  |
| 714 | 717   | 60983 | 3   | 0.05 | 0.080 | 0 | 0 | 0.15  | 0.24   |
| 717 | 720   | 60984 | 3   | 0.05 | 0.203 | 0 | 0 | 0.15  | 0.609  |
| 720 | 723   | 60985 | 3   | 0.03 | 0.170 | 0 | 0 | 0.09  | 0.51   |
| 723 | 726   | 60986 | 3   | 0.08 | 0.062 | 0 | 0 | 0.24  | 0.186  |
| 726 | 729   | 60987 | 3   | 0.11 | 0.087 | 0 | 0 | 0.33  | 0.261  |
| 729 | 732   | 60988 | 3   | 0.16 | 0.200 | 0 | 0 | 0.48  | 0.6    |
| 732 | 735   | 60989 | 3   | 0.07 | 0.097 | 0 | 0 | 0.21  | 0.291  |
| 735 | 738   | 60990 | 3   | 0.04 | 0.080 | 0 | 0 | 0.12  | 0.24   |
| 738 | 741   | 60991 | 3   | 0.08 | 0.025 | 0 | 0 | 0.24  | 0.075  |
| 741 | 744   | 60992 | 3   | 0.07 | 0.048 | 0 | 0 | 0.21  | 0.144  |
| 744 | 747   | 60993 | 3   | 0.04 | 0.022 | 0 | 0 | 0.12  | 0.066  |
| 747 | 750   | 60994 | 3   | 0.06 | 0.052 | 0 | 0 | 0.18  | 0.156  |
| 750 | 753   | 60995 | 3   | 0.01 | 0.017 | 0 | 0 | 0.03  | 0.051  |
| 753 | 756   | 60996 | 3   | 0.02 | 0.068 | 0 | 0 | 0.06  | 0.204  |
| 756 | 759   | 60997 | 3   | 0.02 | 0.098 | 0 | 0 | 0.06  | 0.294  |
| 759 | 762   | 60998 | 3   | 0.05 | 0.013 | 0 | 0 | 0.15  | 0.039  |
| 762 | 765   | 60999 | 3   | 0.05 | 0.083 | 0 | 0 | 0.15  | 0.249  |
| 765 | 768   | 61000 | 3   | 0.04 | 0.053 | 0 | 0 | 0.12  | 0.159  |
| 768 | 769.3 | 61001 | 1.3 | 0.08 | 0.032 | 0 | 0 | 0.104 | 0.0416 |

#### **Mean Totals**

| 318 m - 438 m   | Meters |      |              | Mos2   | Cu     |
|-----------------|--------|------|--------------|--------|--------|
| Total (w*a)     | 120.0  | 0.00 | 0.0          | 14.400 | 4.278  |
| Mean            |        | 0.00 | 0.0          | 0.12   | 0.036  |
| 438 m - 609 m   |        |      |              |        |        |
| Total (w*a)     | 171.0  | 0.00 | 0.0          | 19.7   | 20.9   |
| Mean            |        | 0.00 | 0.0          | 0.12   | 0.122  |
| 609 m - 666 m   |        |      |              | •      |        |
| Total (w*a)     | 57.0   | 0.00 | 0.0          | 5.280  | 9.402  |
| Mean            |        | 0.00 | 0.0          | 0.09   | 0.165  |
| 666 m - 732 m   |        |      | -            |        |        |
| Total (w*a)     | 66.0   | 0.00 | 0.0          | 5.820  | 6.996  |
| Mean            |        | 0.00 | 0.0          | 0.09   | 0.106  |
| 732 m - 769.3 m |        |      |              | 1      |        |
| Total (w*a)     | 37.3   | 0.00 | 0.0          | 1.754  | 2.010  |
| Mean            |        | 0.00 | 0.0          | 0.05   | 0.054  |
| 438 m - 732 m   |        |      |              |        |        |
| Total (w*a)     | 294.0  | 0.00 | 0.0          | 30.570 | 37.044 |
| Mean            |        | 0.00 | 0.0          | 0.10   | 0.126  |
| 318 m - 769.3 m |        |      | <del> </del> |        |        |
| Total (w*a)     | 451.3  | 0.00 | 0.0          | 46.724 | 43.332 |
| Mean            |        | 0.00 | 0.0          | 0.10   | 0.096  |

Appendix D
1981 Drill Hole Results with
1993 Duplicates in Blue

# 1981 DRILL HOLE RESULTS WITH 1993 DUPLICATES IN BLUE

| DDH<br>T 2 81 | ASSAY<br>(1981) | TABLE  |         |        |        | => 0.15% | => 0.10% |         |                |
|---------------|-----------------|--------|---------|--------|--------|----------|----------|---------|----------------|
| II. p No. 0   |                 |        |         |        |        |          |          |         | LENGTH CONTROL |
| From m        | To m            | Number | Width m | Au ppm | Ag ppm | Cu %     | MoS2 %   | Cu(w*a) | Mo(w*a)        |
| 594           | 597             | 60093  | 3       |        |        | 0.06     | 0.060    | 0.18    | 0.18           |
| 597           | 600             | 60094  | 3       |        |        | 0.10     | 0.085    | 0.3     | 0.255          |
| 600           | 603             | 60095  | 3       |        |        | 0.06     | 0.173    | 0.18    | 0.519          |
| 603           | 606             | 60096  | 3       |        |        | 0.05     | 0.075    | 0.15    | 0.225          |
| 606           | 609             | 60097  | 3       |        |        | 0.08     | 0.160    | 0.24    | 0.48           |
| 609           | 612             | 60098  | 3       |        | 201    | 0.09     | 0.375    | 0.27    | 1.125          |
| 610           | 4               | 198    | 1       | 14     | 3.1    | 0.22     | 0,371    |         | 10000          |
| 612           | 615             | 60099  | 3       |        |        | 0.08     | 0,102    | 0.24    | 0.306          |
| 615           | 618             | 60100  | 3       |        |        | 0.05     | 0.060    | 0.15    | 0.18           |
| 618           | 621             | 60951  | 3       |        |        | 0.22     | 0,542    | 0.66    | 1.626          |
| 620           |                 |        | 1       | 20     | 3.0    | 0.34     | 0.73     |         |                |
| 621           | 624             | 60952  | 3       |        |        | 0.10     | 0.163    | 0.3     | 0.489          |
| 624           | 627             | 60953  | 3       |        |        | 0.11     | 0.152    | 0.33    | 0.456          |
| 627           | 630             | 60954  | 3       |        |        | 0.08     | 0.188    | 0.24    | 0.564          |
| 630           | 633             | 60955  | 3       |        |        | 0.12     | 0.160    | 0.36    | 0.48           |
| 630           |                 |        | 1       | <5     | 0.4    | 0.17     | 0.058    |         |                |
| 633           | 636             | 60956  | 3       |        |        | 0.11     | 0.062    | 0.33    | 0.186          |
| 636           | 639             | 60957  | 3       |        |        | 0.07     | 0.052    | 0.21    | 0.156          |
| 639           | 642             | 60958  | 3       |        |        | 0.07     | 0.040    | 0.21    | 0.12           |
| 640           |                 | 160    | 1       | <5     | <0.2   | 0.06     | 0.020    |         |                |
| 642           | 645             | 60959  | 3       |        |        | 0,07     | 0.037    | 0.21    | 0.111          |
| 645           | 648             | 60960  | 3       |        |        | 0.07     | 0.117    | 0.21    | 0.351          |
| 648           | 651             | 60961  | 3       |        |        | 0.06     | 0.042    | 0,18    | 0.126          |
| 650           |                 |        | 1       | 7      | <0.2   | 0.09     | 0.028    |         |                |
| 651           | 654             | 60962  | 3       |        |        | 0.07     | 0.122    | 0.21    | 0.366          |
| 654           | 657             | 60963  | 3       |        |        | 0.08     | 0.227    | 0.24    | 0.681          |
| 657           | 660             | 60964  | 3       |        |        | 0.10     | 0.127    | 0.3     | 0.38           |
| 660           | 663             | 60965  | 3       |        |        | 0.07     | 0.244    | 0.21    | 0.732          |
| 660           |                 | 141    | 1       | 24     | 0.4    | 0.09     | 0.002    |         |                |
| 663           | 666             | 60966  | 3       |        |        | 0.07     | 0.250    | 0.21    | 0.75           |
| 666           | 669             | 60967  | 3       |        |        | 0.07     | 0.072    | 0.21    | 0.216          |
| 669           | 672             | 60968  | 3       |        |        | 0.07     | 0.053    | 0.21    | 0.159          |
| 670           |                 |        | 1       | <5     | <0.2   | 0.12     | 0.033    |         |                |
| 672           | 675             | 60969  | 3       |        |        | 0.04     | 0.030    | 0.12    | 0.09           |
| 675           | 678             | 60970  | 3       |        |        | 0.11     | 0.095    | 0.33    | 0.28           |
| 678           | 681             | 60971  | 3       |        |        | 0.03     | 0.035    | 0.09    | 0.10           |
| 680           |                 |        | 1       | <5     | <0.2   | 0.02     | 0.004    |         | See Total      |
| 681           | 684             | 60972  | 3       |        |        | 0.12     | 0.267    | 0.36    | 0.80           |
| 684           | 687             | 60973  | 3       |        |        | 0.31     | 0.190    | 0.93    | 0.5            |
| 687           | 690             | 60974  | 3       |        |        | 0.13     | 0.093    | 0.39    | 0.279          |
| 690           | 693             | 60975  | 3       |        |        | 0.08     | 0.145    | 0.24    | 0.435          |
| 690           |                 |        | 1       | 21     | 1.4    | 0.07     | 0.467    | MET SE  |                |

| 693 | 696   | 60976 | 3   |    |      | 0.10 | 0.037 | 0.3   | 0.111  |
|-----|-------|-------|-----|----|------|------|-------|-------|--------|
| 696 | 699   | 60977 | 3   |    |      | 0.05 | 0.040 | 0.15  | 0.12   |
| 699 | 702   | 60978 | 3   | V  |      | 0.08 | 0.027 | 0.24  | 0.081  |
| 700 |       |       | _1  | 19 | <0.2 | 0.07 | 0.004 |       |        |
| 702 | 705   | 60979 | 3   |    | 31   | 0.09 | 0.205 | 0.27  | 0.615  |
| 705 | 708   | 60980 | 3   |    |      | 0.05 | 0.062 | 0.15  | 0.186  |
| 708 | 711   | 60981 | 3   |    |      | 0.06 | 0.072 | 0.18  | 0.216  |
| 711 | 714   | 60982 | 3   | 1  | 1    | 0.07 | 0.107 | 0.21  | 0.321  |
| 712 |       |       | - 1 | 14 | <0.2 | 0.08 | 0.058 |       |        |
| 714 | 717   | 60983 | 3   |    |      | 0.05 | 0.080 | 0.15  | 0.24   |
| 717 | 720   | 60984 | 3   |    |      | 0.05 | 0.203 | 0.15  | 0.609  |
| 720 | 723   | 60985 | 3   |    |      | 0.03 | 0,170 | 0.09  | 0.51   |
| 720 |       |       | 1   | <5 | <0.2 | 0.03 | 0.147 |       |        |
| 723 | 726   | 60986 | 3   |    |      | 0.08 | 0.062 | 0.24  | 0.186  |
| 726 | 729   | 60987 | 3   |    |      | 0.11 | 0.087 | 0.33  | 0.261  |
| 729 | 732   | 60988 | 3   |    |      | 0.16 | 0.200 | 0.48  | 0.6    |
| 730 | -     | *     | 1   | 15 | <0.2 | 0.04 | 0.102 |       | 1,194  |
| 732 | 735   | 60989 | 3   |    |      | 0.07 | 0.097 | 0.21  | 0.291  |
| 735 | 738   | 60990 | 3   |    |      | 0.04 | 0.080 | 0.12  | 0.24   |
| 738 | 741   | 60991 | 3   |    |      | 0.08 | 0.025 | 0.24  | 0.075  |
| 740 |       |       | 1   | 6  | 0.6  | 0.09 | 0.004 |       |        |
| 741 | 744   | 60992 | 3   |    |      | 0.07 | 0.048 | 0.21  | 0.144  |
| 744 | 747   | 60993 | 3   |    |      | 0.04 | 0.022 | 0.12  | 0.066  |
| 747 | 750   | 60994 | 3   |    |      | 0.06 | 0.052 | 0.18  | 0.156  |
| 750 | 753   | 60995 | 3   |    |      | 0.01 | 0.017 | 0.03  | 0.051  |
| 750 |       |       | 1   | 11 | 0.4  | 0.03 | 0.033 |       |        |
| 753 | 756   | 60996 | 3   |    |      | 0.02 | 0.068 | 0.06  | 0.204  |
| 756 | 759   | 60997 | 3   |    |      | 0.02 | 0.098 | 0.06  | 0.294  |
| 759 | 762   | 60998 | 3   |    |      | 0.05 | 0.013 | 0.15  | 0.039  |
| 760 | 140   |       | 1   | <5 | <0.2 | 0.04 | 0.049 |       |        |
| 762 | 765   | 60999 | 3   |    |      | 0.05 | 0.083 | 0.15  | 0.249  |
| 765 | 768   | 61000 | 3   |    |      | 0.04 | 0.053 | 0.12  | 0.159  |
| 768 | 769.3 | 61001 | 1.3 |    |      | 0.08 | 0.032 | 0.104 | 0.0416 |
| 769 |       |       | 1   | 21 | 10.2 | 0.11 | 0.09  | 0.337 | 0,0110 |

П

# Appendix E 2005 Drill Hole Duplicates - Descriptions and Results

The following table summarizes descriptions of randomly selected Texasgulf drill core sections. Samples were collected and described by D. Gale, P.Geo., during the 2005 property visit and rock sampling program.

| DRILL<br>HOLE | SAMPLE<br>NUMBER | INTERVAL<br>(FT) | DESCRIPTION  | MO<br>(PPM) | CU<br>(PPM) |
|---------------|------------------|------------------|--|-------------|-------------|
| T-4-81        | 37023            | 1946-1947        | Sample taken within sediments, sample mainly composed of foliation aligned vein w. tro-1% pyrite w. 5-7% wispy to msv chalcopyrite, cpy is fine grained and forms clots/vns 1-3 cm | 159         | 2482        |
| T-4-81        | 37024            | 1955-1956.5      | Veins within sediments (as above), 1-2% dissem chalcopyrite within quartz vein, cpy forms 0.5cm clots within vn, weathered-out pyrite vugs, approx 0.5-1% pyrite within rock       | 104         | 972         |
| T-2-81        | 37025            | 280.2-286.5'     | Porphyritic monzonite, 3-5% biotite, 1% fracture fill pyrite   | 77          | 146         |
| T-2-81        | 37026            | 296,3-296.6'     | Porphyritic monzonite, mod. silicification, 5% biotite, 1-2% dissem pyrite, tre molybdenum, tre fluorite   | 6           | 498         |
| T-2-81        | 37027            | 307.05-307.35    | Porphyritic monzonite, 1% dissem. pyrite   | <2          | 863         |

# Appendix F Molybdenum in British Columbia Information Circular 2005-3

#### **BC Molybdenum Deposits**

The British Columbia Ministry of Energy and Mines' MINFILE database lists 1350 molybdenum-bearing occurrences in the province; 430 of these list molybdenum as the primary commodity. Total molybdenum production (1915-2004) from nearly 100 deposits is 320 300 tonnes; and, total resources in 60 deposits are estimated at 1 900 000 tonnes. Some deposits with higher-grade cores have the potential to facilitate production to proceed relatively quickly [e.g. Yorke-Hardy: 20.6 Mt @ 0.24% Mo + 0.041% WO<sub>3</sub> (@ 0.12% Mo cutoff); Max: 260 Kt @ 1.17% Mo (@ 0.6% Mo cutoff)].

Two molybdenum metallogenic episodes are recognized:

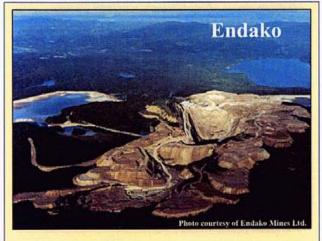
- i) Early Cretaceous Miocene: 140 Ma to 8 Ma
- ii) Late Triassic Middle Jurassic: 220 Ma to 195 Ma

The exploration and development of porphyry deposits during the 1960s and 1970s had a profound effect on the mining community in British Columbia. Nearly all the molybdenumbearing deposits were explored for and inventories identified up until the early 1980s when the molybdenum price dropped from ~US\$30 /lb to below US\$3 /lb.

Currently molybdenum is mainly used as an alloy to strengthen iron and steel. Rapidly expanding markets in China and rising oil prices, which may precipitate future pipeline construction, have led to a significant price increase in Mo - once again fueling exploration and development in BC.



- · Phelps Dodge Corp.
- Since 1967, produced ~13 600 t Mo (30 M lbs Mo)
- Operated 1967-1972 @ 5500 tpd; 1981-1982 @ 10 900 tpd
- Capital cost ~ \$200 M (Sept. '78); ~500 employees with annual payroll ~\$10 M (town built for 2000 people)
- 1982: Mo price plunged (US\$35 to US\$2 /lb)
- Current Resources: 104.3 Mt @ 0.112% Mo



- Thompson Creek Mining (60%), Sojitz Moly Res. (40%)
- Canada's top low-cost molybdenum producer, and one of the world's largest primary producers. Employment ~250
- Since 1965, produced ~191 000 t Mo (422 M lbs Mo)
- 2004 i) Production ~5000 t Mo (av. millfeed ~0.066% Mo), from daily mill throughput ~28 000 t
  - ii) Reserves (end-2004) = 80.7 Mt @ 0.063% Mo
  - iii) Mine life (before pit expansion) 2011
  - iv) Began major push back of south wall pit expansion

#### **BC Molybdenum Deposit Types**

- Porphyry Mo (low-F-type): BC Mineral Deposit Profile L08 [e.g. Endako (~145 Ma), Boss Mountain (~102 Ma), Kitsault (~51 Ma), Yorke-Hardy (~67 Ma), Max (76 Ma?), Adanac (~71 Ma), Ajax, Mac (~136 Ma), Storie, Logtung (~118 Ma), Lucky Ship, Carmi, Salal (~8 Ma)]
- Porphyry Cu-Mo: BC Mineral Deposit Profile L06
   [e.g. Brenda (210 Ma?), Island Copper (~167 Ma),
   Highland Valley Copper (~210 Ma), Schaft Creek
   (~220 Ma), Gibraltar (~217 Ma), Berg (~49 Ma), Catface
   (36 Ma?), Huckleberry (~82 Ma)]
- Occur in a variety of tectonic terranes
- · Differentiated polyphase monzogranite suite
- Possible rhenium (e.g. Island Copper and Schaft Creek) and tungsten (e.g. Yorke-Hardy and Logtung) credits

#### For More Information

http://www.em.gov.bc.ca/Mining/Geolsury

Telephone: (604) 660-2812

Canadian Institute of Mining, Metallurgy and Petroleum

Special Volumes 15 (1976) and 46 (1995)
 Molybdenum, the British Columbia Perspective

- BCMEM, Paper 1980-2

# Molybdenum in British Columbia



Stockwork Moly (Endako)

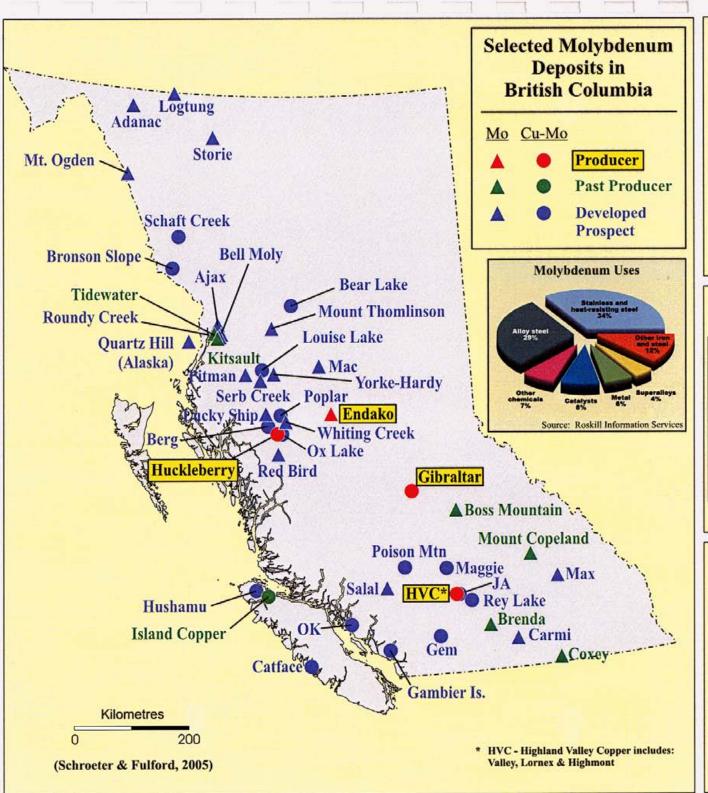


Ribbon Moly (Yorke-Hardy)

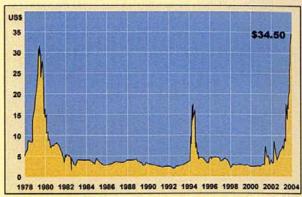


Ministry of Energy and Mines Mines and Minerals Division

Information Circular 2005-3



#### Molybdenum Price (US\$/lb Mo)



Source: Roskill Information Services

## Selected BC Molybdenum Producers (1915-2004)

| Mine / Deposit<br>Name    | Years of Production<br>(* = Producing) | Mo Produced<br>(t) (103) | Other<br>Products |
|---------------------------|--|--------------------------|-------------------|
| Endako                    | 1965-1998;<br>2002-2004*               | 191.3                    |                   |
| Highland Valley<br>Copper | 1972-2004*                             | 75.3                     | Cu-Ag-Au          |
| Brenda                    | 1070-1990                              | 67.9                     | Cu-Ag-Au          |
| Island Copper             | 1971-1995                              | 32.0                     | Cu-Ag-Au-Re       |
| Boss Mtn.                 | 1965-1983                              | 15.5                     |                   |
| Kitsault                  | 1967-1972;<br>1981-1982                | 13.6                     |                   |
| Gibraltar                 | 1972-1998;<br>2004*                    | 9.1                      | Ag                |

Note: At US\$20 per pound molybdenum, the total value of BC molybdenum production (320 300 tonnes) is approximately US\$14 billion.

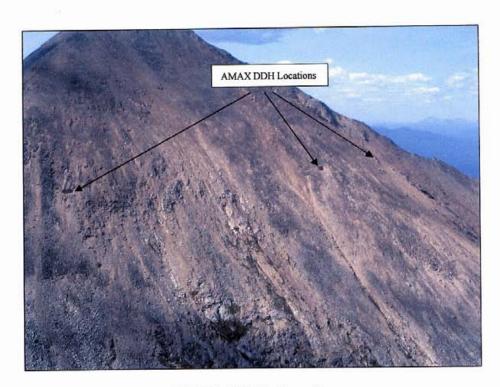
### Selected BC Molybdenum Resources (2004)

| Mine / Deposit<br>Name | Resources<br>(t) (10 <sup>6</sup> ) | Resources<br>(% Mo) | Contained Mo<br>(t) (10 <sup>3</sup> ) |
|------------------------|-------------------------------------|---------------------|--|
| *Yorke-Hardy           | 75.3                                | 0.177               | 133.2                                  |
| Ajax                   | 174.1                               | 0.074               | 128.9                                  |
| *Adanac                | 199.3                               | 0.062               | 123.6                                  |
| Kitsault               | 104.3                               | 0,112               | 116.8                                  |
| Schaft Creek           | 402.7                               | 0.022               | 88.6                                   |
| Mac                    | 99.9                                | 0.072               | 71.9                                   |
| Storie                 | 100.5                               | 0.070               | 70.4                                   |
| *Max                   | 42.9                                | 0.120               | 51.5                                   |

Note: 60 deposits have been outlined with resources (all categories) of approximately 1.9 million tonnes of molybdenum, valued at over US\$100 billion (at US\$20 per pound).

\* NI 43-101 compliant, measured and indicated resources

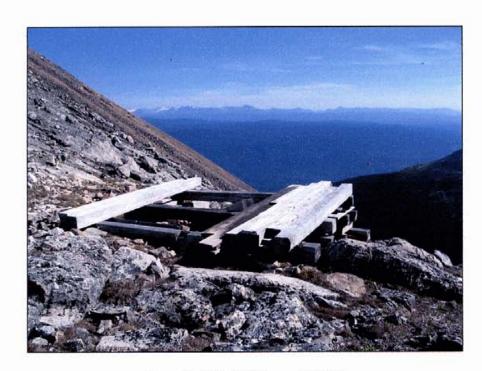
# Appendix G Photographs of Mount Thomlinson Mineral Property



**AMAX Drill Hole Locations** 



Un-assayed Molybdenum-Copper Bearing Drill core



TexasGulf Drill Set-up - T-2-81



**Twinned Drill Holes** 



Drill Core Sampling - 2005 Property Visit



**Drill Core From 1981 Texasgulf Drill Program** 

# Appendix H 1993 Rock and Drill Core Sampling Table Discovery Consultants

## 1993 ROCK +CORE SAMPLE RESULTS (Discovery Consultants)

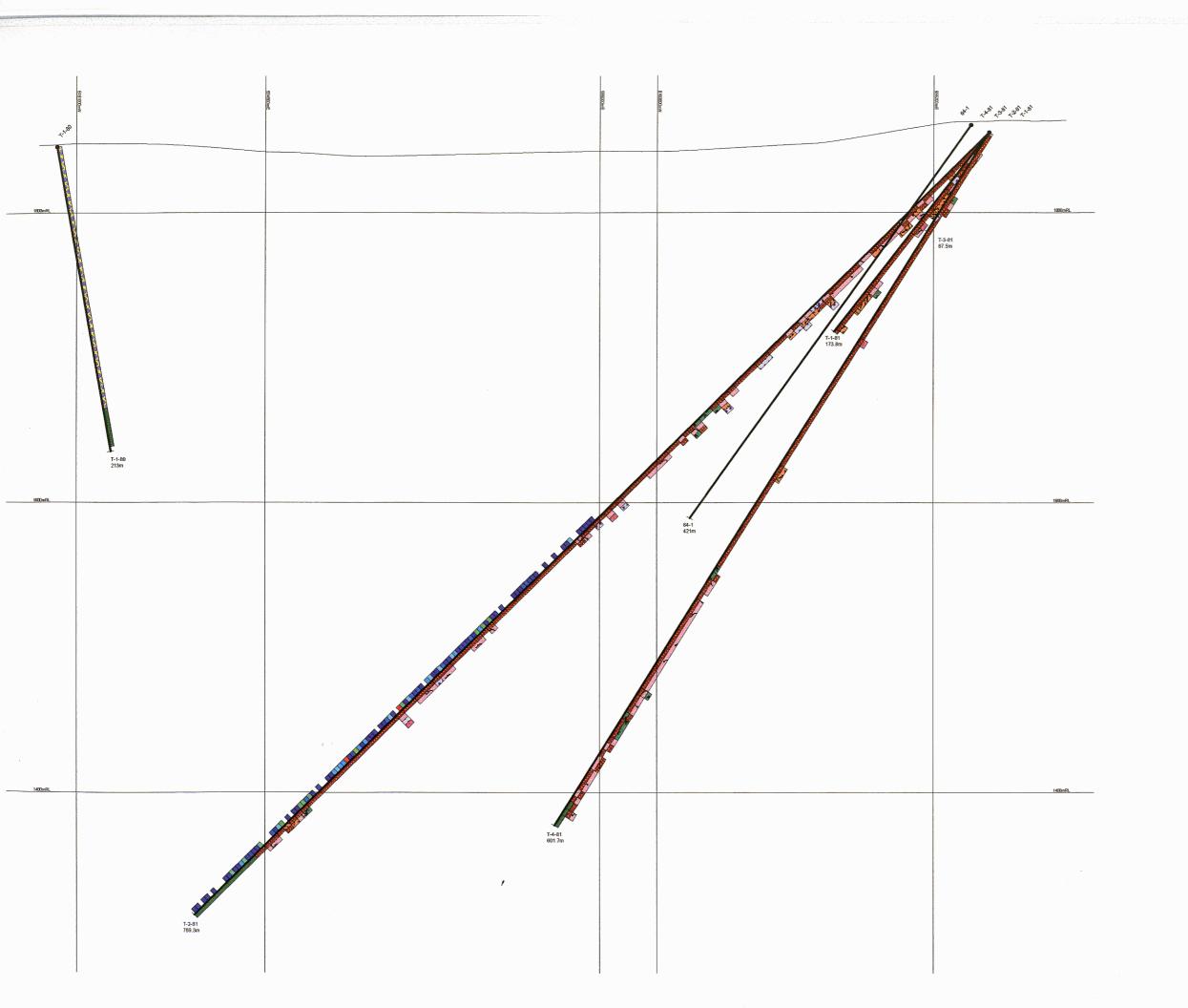
| Sample #          | Au ppb  | Ag ppm      | Си ррш | Мо ррт |  |
|-------------------|---------|-------------|--------|--------|--|
|                   |         |             |        |        |  |
| M-1               | 5       | 0.3         | 344    | 65     |  |
| M-2               | 28      | 2.3         | 193    | 119    |  |
| M-3               | 34      | 8.9         | 267    | 235    |  |
| M-4               | 11      | 4.3         | 255    | 1110   |  |
| M-5               | 15      | 2.8         | 127    | 743    |  |
| M-6               | 9       | 2.5         | 1233   | 321    |  |
| M-7               | 50      | -           | 117    | 46     |  |
| 1-2               | 16      | 1.5         | 199    | 122    |  |
| 1-4               | 11 -    | 2.5         | 155    | 844    |  |
| 1-5               | 7       | -           | 132    | 913    |  |
| 1-8               | 7       | 0.4         | 111    | 204    |  |
| 1-10              | 6       |             | 153    | 148    |  |
| 2-1               | 11      | 2.1         | 117    | 361    |  |
| 2.2               | 9       | 0.9         | 96     | 442    |  |
| 2-3               | 7       | 0.5         | 153    | 684    |  |
| 2-4               | 7       | 1.6         | 180    | 1095   |  |
| 2-5               | 6       | 0.5         | 200    | 763    |  |
| 2-6               | 22      | 3.2         | 139    | 529    |  |
| 2-7               | 7       | 2.0         | 139    | 268    |  |
| 2-8               | 9       | 0,2         | 154    | 619    |  |
| 2-9               | 6       | 1.2         | 131    | 343    |  |
| 2-10              | 26      | 2.2         | 61     | 1575   |  |
| H T-81-02 (Depth) | Au ppb  | Ag ppm      | Си рре | Mo ppm |  |
|                   |         |             |        |        |  |
| 610 (m)           | 14      | 3.1         | 2196   | 368    |  |
| 620               | 20      | 3.0         | 3417   | 7272   |  |
| 630               | <5      | 0.4         | 1744   | 580    |  |
| 640               | <5      | <0.2        | 614    | 151    |  |
| 650               | 7       | <0.2        | 876    | 280    |  |
| 660               | 24      | 0.4         | 879    | 23     |  |
| 670               | <5      | <0.2        | 1183   | 326    |  |
| 680               | <5      | <0.2        | 146    | 36     |  |
| 690               | 21      | 1.4         | 659    | 4674   |  |
| _700              | 19      | <0.2        | 677    | 38     |  |
| 712               | 14      | <0.2        | 776    | 498    |  |
| 720               | <5      | <0.2        | 229    | 1376   |  |
|                   |         |             | 420    | 1022   |  |
| 730               | 15      | <0.2        | 438    | 1022   |  |
| 730<br>740        | 15<br>6 | <0.2<br>0.6 | 953    | 40     |  |
|                   |         | 1           |        |        |  |
| 740               | 6       | 0.6         | 953    | 40     |  |

Appendix I Assay Certificates - 2005

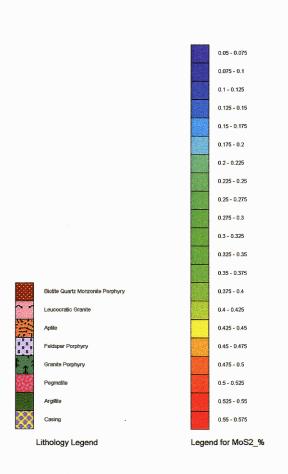
|                        | <del>.,</del>       |                 |             |              |             | Ī           |          |        |          | $\neg$                                       |      |             |          |                  |            |               |                |              | $\Box$   |               |               |                | $-\Gamma$  | \$ne              | رما            | ഹവ്   | nco        |               | $\neg$        |
|------------------------|---------------------|-----------------|-------------|--------------|-------------|-------------|----------|--------|----------|--|------|-------------|----------|------------------|------------|---------------|----------------|--------------|--|---------------|---------------|----------------|--|-------------------|----------------|-------|------------|---------------|---------------|
|                        |                     |                 |             |              |             |             |          |        |          |  |      |             |          |                  |            |               |                |              |  | $\rightarrow$ | -             |                | -1   | ıec               | <b>M</b> C(    | JEH   | HOU        | -             |               |
|                        |                     |                 |             |              |             |             |          |        |          |  |      |             | -        |                  |            | -             | $\dashv$       |              | -  |               | -             | -+             | -1   | Gobail            | Discovery      | r_abs |            | $\neg$        | $\neg$        |
| fount                  | THOMLINSON          | CADREC          | APITAL      |              |             |             |          |        |          |  |      |             |          | -                |            |               |                |              | -  | +             | -+            |                | '.   |                   |                |       |            | $\overline{}$ |               |
|                        |                     |                 |             |              |             |             |          |        |          |  | -    |             |          |                  |            | $\rightarrow$ | _              |              | -  | $\neg$        | _             |                |  |                   |                |       | $=$ $\bot$ | =             | П             |
|                        |                     | $\vdash$        |             |              | _           |             | $\vdash$ | _      | - 1      | $\neg$                                       |      |             | _        |                  |            |               |                |              |  |               |               | $\neg \neg$    |  |                   |                | Job   | V 05-07071 | R             |               |
|                        | Report date:        | D7 SEPT         | 2094        |              | -           |             | _        | _      |          |  |      |             |          |                  |            |               | ==             |              | ⇛  | =             | ⇉             |                | N.   |                   | = 7            | Ce    | Na         | 7             |               |
| AB NO                  | FIELD               | Cu              | Pb          | Zn           | Ag          | A           | 34       | Cd     | Co       | Ni.  | Fa   | <b>3</b>    | Cr       | <u> </u>         | 86         | Y             | - Sn           | . #          | \$1  | <del></del>   |               | pper           | - 10   | <del> " </del>    | <del>् श</del> | - %   |            | - %           | 99m           |
|                        | NUMBER              | ppm             | ppm         | ppm          | pom         | pptn        | P#M      | pown.  | ppm      | DDID   | - 1  | 99/7        | ppm      | pom              | 20 PO P    | ppm           | ppm            | ppm          | ppm  | ppm           | ppm           |                |  |                   |                |       | ===        | #             | _             |
|                        |                     |                 |             |              |             |             | Ш        |        |          |  |      |             |          |                  |            | 13            | ß              | a            | 25   | - 2           | 17            | 61             | 0.16   | 0.01              | 0,43           | 0.11  | 0.67       | 8.29          | 624           |
| R9625196               | 37981               | 410             | 334         | 207          | 12.9        | - 4         |          | 51     |          | ্ব   | 1,39 | 296<br>1806 | 90<br>96 | - 20<br><3       | <u>- व</u> | 12            | 4              | - 3          | - 17   | 췹             | 16            | 61             | 9.09   |                   | 0.33           | 0.11  | 0.87       | 0.29          | 442           |
| R0625187               | 37002               | 261             | ય           | 14           | 3,8         | - 5         | 71       | <1     | <1       | _  | 1,76 | 1002        | 100      | 4                | 4          | 14            | - 4            | 4            | 34   | - 3           | 16            | 66             | 0.13   |                   | 0,30           | 0,09  | 0,87       | 0,23          | 122           |
| R0625184               | 37003               | 440             | - 4         |              | - 3-1       | 10          | 71       | ্ব     | <u> </u> | <u>্ব</u>                                    | 2.71 | 946         | 93       | - 3              | - 3        |               | 7              | ব            | 28   | 2             | 23            | 319            | 0,09   | 1,31              | 0.61           | 0.30  |            | 0.38          | 316           |
| R0428189               | 37984               | 781             | લ           |              | 1.7         |             | 37       | ~      | - 1      | न  | 2.48 | 783         | 78       | <5               | d          | _             | 2              | 4            | *  | 3             | 31            | 378            | 0,24   | 0,81              | 8,42           | 0.62  |            | 0,32          | 627           |
| R0525190               | 37006               | 1106            | 74          | 148          | 2,8<br>1,8  |             |          | _      | _        | 1  | 2,87 | 198         | 128      | 4                | d          |               | 4              | 21           | 2  | ₫             | 4             | - 44           | 0.00   |                   | 0,30           | 0,04  |            | 8,21          | 189           |
| R0625191               | 37006               | 100             | E19         | 143          | 4.1         | 29          | 25       | 7      |          | 4  |      | 71          | 51       | <\$              | 4          |               | ٧              | 12           | - 8  | 2             | - 7           | 24             | 1.03   |                   | 1,21           | 9.02  | 6,87       | 0.23          | 364           |
| N9625192               | 37967               | _               | 42          |              | 1.1         | 145         | -44      | ব      | 10       |  | 4.27 | 136         | \$7      | ı                | 4          | 40            | Q              | 4            | 10   | - 4           | _18           | #19            | 0.91   |                   | 148            | 9,49  | 0.11       | 1.15          | 778<br>404    |
| R9626193<br>R9626194   | 27000<br>27000      | 196<br>611      | 21          |              | 1,8         | 2           | 29       |        | _        | 1  | 3,32 | 280         | 114      | <8               | 4          |               | 7              | 4            | 18   | 3             | 16            | - 80           | 0.10   |                   | 0.44           | 0,22  | 0.07       | 9.34          | 737           |
| R0428194               | 37010               | 840             | <del></del> | 38           | 0.7         | •           | - 01     | ্ৰ     | 3        | 4  |      | 279         | 67       | વ                | 4          |               |                | - 3          | 15   | - 4           | - 20          | - 71           | 0.29   |                   |                | 0.18  | 0.12       | 0.36          | 718           |
| R9525196               | 37011               | 621             | - 4         |              | 0,5         | 10          | 99       | ্ব     | 3        | 7  | _    | 1963        | 89       |                  | 4          |               | - ₹            | _            | 24   | 3             | 26            | 107            | 0.02   |                   | 9,31           | 0.04  |            | 0,29          | 437           |
| R9425197               | 37012               | 39              | 194         | 67           | 1,8         | 14          | 60       | <1     |          |  | 1,50 | 140         | 84       | < <b>5</b>       | 4          |               | <u> </u>       | 212          | 7<br>17  | 2             | 18            | 13             | 0,11   |                   | 1.44           | 9.82  | 0.88       | 0.20          | 271           |
| PI0825196              | 57613               | 148             |             |              | 1,4         |             | _        | _      | _        | _1   | 7,90 | 444         | 6.5      |                  | ব          |               | _              | ***          |  | 4             | - *1          | <del>- 3</del> | 8.09   |                   | 1.23           | 0.02  | 0.87       | 0.12          | 183           |
| R082,5100              | 27014               | 118             | - 4         |              | 4           | •           |          |        |          |  | 124  | 188<br>528  | 147      | 4                |            |               |                |              |  |               | - 7           | - 4            | 6.02   |                   | 9,12           | <,01  | 0.07       | 8,04          | 284           |
| R652.5200              | 37018               | 1110            | <4          |              |             |             |          | ্ব     |          |  |      | 371         | 97       | 7                | 4          |               | <del>-</del> ~ | - 2          | 81   | 7             | 18            | 100            | 0,55   | 0.00              | 1.98           | 0.62  | 9.26       | 0,41          | 461           |
| R0525201               | 37016               | 1466            | 4           |              | 0.0         | 4           | _        | _      | _        | 14   | 1,80 | 515         | 106      |                  | 4          |               |                | 16           | 14   |               | 17            | 225            | 0.45   | 1.05              | 0.71           | 9.16  | 0.00       | 9.88          | 344           |
| R0825202               | 37817               | 111             | 1727        |              |             |             | _        |        |          | -  |      | 23          |          |                  |            |               | _              | _            | 27   | 7             | 14            | 265            | 0.29   | 0.84              | 8,48           | 0,10  | 0,12       | 0.41          | 414           |
| R0828203               | 27018               | 1 22            |             |              | _           | -           |          | _      | _        | _  |      | 10          | _        |                  |            |               | ī              | ⋖            | 23   | 2             | 31            | 293            |  |                   | 8,44           | 0.51  |            | 9.29          | 343           |
| R0626204               | 37019               | 1217            |             |              |             |             |          |        |          |  |      | 1 7         |          |                  |            | 84            | 3              | 4            | •  | ۵             | 19            | 342            | 0,10   |                   | 8,24           | 0.07  |            | 0.16          | 97            |
| R0826205               | D7021               | 81              |             |              |             | 61          |          | -      |          | _  | -    | 34          |          | 44               | 4          | 31            |                |              | .10  |               | 14            | 184            | 0,44   |                   | 9,71           | 9,14  |            | 9,41          | 434<br>2064   |
| R052.5296<br>R052.5297 | 37022               | 1284            |             |              |             | - 2         |          |        | 13       | 22   | 8,83 | 284         | 41       |                  |            |               | -              |              | 38   | 10            | 28            | 283            | 94   |                   | 2.82           | 1,38  |            | 1.08          | 622           |
| R8525266               | 37023               | 2482            |             |              | 1,6         | 1           | 11       | <1     | 19       | 13   |      | 160         | 45       |                  |            |               |                | 14           | 27   | <u>.</u>      | 19            | 264<br>537     | 0,81   |                   | 1,30           |       |            | 0.39          | 637           |
| R9626298               | 37024               | 972             |             |              |             |             | 41       | <1     | 11       | _,   | 3,50 | 194         |          |                  |            |               | _              | _            | 108  |               | 29            | 237            | 0.34   |                   | 1.00           | _     |            | 0.43          | 44            |
| R0626210               | 27924               | 144             |             | 76           | <.4         | .10         | 102      | <1     | . 4      | _  |      | -77         |          |                  |            |               | _              | _            |  | 3             | 25            | 210            | 9.14   |                   | 0.32           | _     |            | 0.25          | 37            |
| R0628211               | 37026               | 490             |             | 103          | 0,7         |             |          |        |          |  |      | 1           | 46       | <6               |            |               |                | 4            | 37   | - 4           | 29            | 262            | 0.17   |                   | 9,30           |       |            | 0.27          | 43            |
| R9628212               | 27027               | (63             |             |              | 3.4         |             |          |        |          |  |      | ⊴           | _        |                  |            |               | _              | _            | 33   | -             | 19            | 206            | 0.44   | _                 | 1.41           |       |            | 0,62          | 27            |
| R8626213               | 37025               | 110             |             |              |             |             | 4        |        |          |  | 2.23 |             |          |                  | 11         |               |                | 321          | 32   |               | 24            | 121            |  |                   | 0.56           |       |            | 8,44          | 29            |
| R8626214               | 37020               | 2841            |             |              |             |             | _        | 111    |          | _  | +    | 497         |          | •                | _          | _             | -              | 4            | 11   | 2             |               | 265            | 0.84   | 9,17              | 1,44           |       |            | 1,07          | 44            |
| R0526215               | 57930               | <u> 52</u>      |             |              |             |             | 111      |        |          | -  |      | 3           |          |                  |            |               |                |              |  |               | 21            | 229            | 0.31   |                   | 1.44           |       |            | 0,38          | 73            |
| R0628216               | 27031               | 62              |             |              |             |             | _        | -      |          | _  |      | 394         |          |                  |            | 32            | 4              |              | 20   | 2             | 22            | 170            | 0,31   |                   | 8,67           |       |            |               | 67            |
| R6525217               | 27032               | 3051            |             |              |             |             | 1 1      | _      |          | 1  | 1.97 | 240         | _        |                  | 9          | 20            | 4              | <2           | 1  | 4             | 2             | <b>13</b>      | 0.0  | <u>  &lt;#1</u>   | 101            | 0.01  | 0.06       | 6,03          | 2             |
| R0026210               | 27033               | <del>-   </del> | ᢡ           | <del>\</del> | T **        | $\vdash$    | + '      | T-     | T        | Ш  |      |             |          |                  |            |               |                |              | <u> </u>   | <b>—</b>      | <u> </u>      |                | ⊢-   | -                 | -              | +     | +-+        |               |               |
| la la cultila in - 2 - | ampia Xesmail u     | male Fr         | exceeds     | calleration  | Cubeln      | a checked   | Reger    | ised   |          |  |      |             |          |                  |            | 1             | ₩-             | ╙            | ╙  | <b>├</b>      |               |                | ⊢  | +                 | <del> </del>   | +-    | ╆═┿        |               |               |
| if requested an        | allyses are not sho | WN, resu        | ts ere to   | ollow        |             |             | F        | F      |          |  |      | -           | <b>_</b> | <del>  -</del> - |            | +             | +              | +            | <del>                                     </del> | ┢             | ├─            | <del></del>    | <del>                                     </del> | +-                | t              | 1     | ╆═╅        |               |               |
|                        |                     | 1-              | ₩           | <b>┼</b> ┈─  | <del></del> | ├           | +-       | ┿      | +        | +-   | ┿    | $\vdash$    | $\vdash$ | ┼┈╌              |            |               |                |              |  |               |               |                |  | $oldsymbol{\Box}$ |                |       | $\Box$     |               | _             |
| ANALYTICAL I           | RE : 0,6 prem samp  | In eligant      | d in het s  | averse en    | u reale (   | solluiti or | hot Aa   | us Rec | le(rocks | <u>.                                    </u> | 1    |             |          |                  |            |               |                | $\Box$       | 1_   | ļ             | <del>  </del> |                | ļ. —   | +                 | ├              | +     | ╇╾╃        |               |               |
| ICP PACKAG             | RE: U.S DAMES COME  | - u-3+3 #       |             | diam's and   |             |             | 1        |        |          |  |      |             |          |                  |            |               | $\perp$        | 1            | ↓  | ↓             | —             | L              | -  | 4                 | -              |       | +          | $\vdash$      | $\overline{}$ |
| -                      | <del></del>         | +               | +           | †            | †           |             |          | Τ.     |          |  |      |             | $\perp$  | ļ                | ↓          | <del> </del>  | 1_             | <del> </del> | <b>├</b>   | $\vdash$      | <del> </del>  |                | <b>├</b>   | +                 | <del> </del>   | +     | +          | $\vdash$      | _             |
| <del></del>            |                     | 1 -             | 1           |              |             |             | Ľ        |        |          |  |      | ļ           |          | <del> </del>     | ↓          |               | +-             | $\vdash$     | -  |               | <del>├</del>  | <u> </u>       | ļ  | +                 | +              | +-    | +          |               |               |
|                        |                     | _               |             | _            | $\tau -$    | T           |          | 1      |          |  | 1    | 1           | 1        |                  | 1          | - 1           | 1              |              | 1  | 1             |               |                | 4  | 1                 | 1              | 1     |            |               |               |

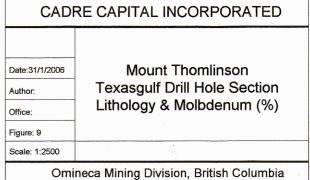
|                              | <del></del>                |                       |             | <del></del>    | <del></del>                                      | . ted  | kcon   | ninco  |  |  |
|------------------------------|----------------------------|-----------------------|-------------|----------------|--|--|--|--|--|--|
| Mount                        | THOMLINSONCAL              | RE CAPITAL            |             |                | Global Discovery Labs                            |  |  |  |  |  |
|                              | Report deta                | : 25 AUG 2005         | 3           |                |  |  | Job  | V 05-0707R                                       |  |  |
|                              |                            |                       |             |                |  |  |  |  |  |  |
| LAB NO                       | FIELD NUMBER               | Au.                   | Wt Au       |                | <u> </u>   |  |  |  |  |  |
|                              |                            | ppb                   | græm        |                | <b> </b>   |  | <del> </del>                                     | <u> </u>   |  |  |
|                              |                            |                       |             |                |  |  |  |  |  |  |
| R0525186                     | 37001                      | 15                    | 10          | ļ              | <del> </del>                                     |  | ļ  |  |  |  |
| R0525187                     | 37002                      | 10                    | 10          |                | ļ  | <del></del>                                      | <del> </del>                                     | <del> </del>                                     |  |  |
| R0525188                     | 37003                      | <10                   | 10          | ļ <u>.</u>     | <del></del>                                      | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     |  |  |
| R0525189                     | 37004                      | <10                   | 10          | <u> </u>       | <u> </u>   | <u> </u>   | <u> </u>   | <del>                                     </del> |  |  |
| R0525190                     | 37006                      | <10                   | 10          | <del>  .</del> | <del> </del>                                     | <b></b>  | -  | <del> </del>                                     |  |  |
| R0525191                     | 37006                      | 30                    |             | ļ              | <del> </del>                                     |  | <del> </del>                                     | <del></del>                                      |  |  |
| R0525192                     | 37007                      | 20                    | 10<br>10    | ļ              | <del>                                     </del> |  | +  | <del>                                     </del> |  |  |
| R0525193<br>R0525194         |                            | <10                   | 10          |                | <b>├</b> ──                                      | +  | <del> </del>                                     | _  |  |  |
|                              | 37009                      |                       |             | <u> </u>       | <del>                                     </del> | <del>                                     </del> | 1  | -  |  |  |
| R0525195                     | 37010                      | <10                   | 10          | <del></del>    | -  | -  | <del> </del> -                                   | <b>├</b>   |  |  |
| R0525196                     | 37011                      | <10                   | 10          | ļ              |  | <del> </del>                                     | <del> </del> -                                   | <del> </del> -                                   |  |  |
| R0525197                     | 37012                      | 30                    | 10          | <del> </del>   | -  | ╄  | <del> </del> -                                   | <del> </del> -                                   |  |  |
| R0525198                     | 37013                      | <10                   | 10          | <del> </del>   | <del> </del>                                     | <del></del>                                      | <del></del>                                      | <del>                                     </del> |  |  |
| R0525199                     | 37014                      | <10                   | 10          |                | <del> </del>                                     | <del></del>                                      |  | <del>                                     </del> |  |  |
| R0525200                     | 37015                      | <10                   | 10          | <del> </del>   |  | -  | +  |  |  |  |
| R0525201<br>R0525202         | 37016<br>37017             | <10<br>745            | 10          |                | <u> </u>   | <del>                                     </del> | +  | -  |  |  |
| R0525202                     | 37018                      | <del>/45</del><br><10 | 10          | <u> </u>       | <del> </del>                                     | -  | 1  |  |  |  |
| R0525203                     | 37019                      | 10                    | 10          |                | <del> </del>                                     | -  | <del></del>                                      | <del> </del>                                     |  |  |
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| R0525206                     | 37021                      | <10                   | 10          |                | -  | <del>                                     </del> | <del>                                     </del> | <del> </del> -                                   |  |  |
| R0525206                     | 37022                      | 38                    | 10          |                | -  | <del></del>                                      | <del> </del>                                     | <del> </del>                                     |  |  |
| R0525207                     | 37023                      | <10                   | 10          | <u> </u>       | <del>                                     </del> | <b>-</b>   | <del> </del> -                                   | <del> </del> -                                   |  |  |
|                              |                            |                       |             |                | <del>                                     </del> | -  | +  | <del> </del> -                                   |  |  |
| R0 <u>525209</u><br>R0525210 | 37024<br>37025             | <10<br><10            | 10          |                |  | <del>                                     </del> | <del></del>                                      | <b></b>  |  |  |
| R0525211                     | 37026                      | <10                   | 10<br>10    | L              | <del> </del>                                     | <del></del>                                      | · <del> </del>                                   | -  |  |  |
| STD: M400                    | 3/026                      | 376                   | 10          |                | <del> </del>                                     | <del> </del>                                     | <del></del>                                      |  |  |  |
| R0525192 rpt                 |                            | 20                    | 10          |                | <del> </del>                                     | <del></del>                                      | i i  | <del> </del>                                     |  |  |
| R0525206 rpt                 | <del></del>                | <10                   | 10          |                | <del> </del>                                     | <del></del>                                      | +  |  |  |  |
| R0525212                     | 37027                      | <10                   | 10          |                | <del>                                     </del> | <del> </del>                                     |  |  |  |  |
| R0625213                     | 37028                      | 65                    | 10          |                |  | -  | <del>-</del>                                     |  |  |  |
| R0525214                     | 37029                      | 282                   | 10          |                | <del></del>                                      | <del> </del>                                     | +  | -  |  |  |
| R0525215                     | 37030                      | <10                   | 10          |                | <del>                                     </del> | <del>                                     </del> | +  | <del>                                     </del> |  |  |
| R0525216                     | 37031                      | <10                   | 10          |                | <del>                                     </del> | <del> </del>                                     | <del>                                     </del> | <del> </del>                                     |  |  |
| R0525217                     | 37032                      | <10                   | 10          |                | <b> </b>   |  | <del> </del>                                     | <del>                                     </del> |  |  |
| R0525218                     | 37033                      | <10                   | 10          |                | <del></del>                                      |  |  |  |  |  |
| 100000 10                    | 4.444                      | <del>  ```</del>      |             |                | t  | <del></del>                                      | <b>†</b>   | <del></del>                                      |  |  |
| einsufficient ser            | nple X=smail sampi         | Faerceeris            | calibration | Cabelng ch     | cked Reres                                       | risad  | 1  | <del> </del>                                     |  |  |
|                              | yses are not shown, r      |                       |             |                | 110  | 1  | 1  | <del>                                     </del> |  |  |
|                              | , The man in the second of | 1                     |             | ···            | <del>                                     </del> | t  | <b>†</b>   | <del>                                     </del> |  |  |
| ANALYTICAL ME                | THOOS                      | 1                     |             |                | <del> </del>                                     | <b> </b>   | 1  | <b></b>  |  |  |
|                              | a decomposition / so       | ivent extraction      | n/AAS       | ·              | <del></del>                                      | t  | 1  | <u> </u>   |  |  |
|                              | eight of sample taken      |                       |             | nem)           | <del></del>                                      | †  | +  | <del>                                     </del> |  |  |
|                              |                            |                       |             |                |  |  | 1  | t  |  |  |

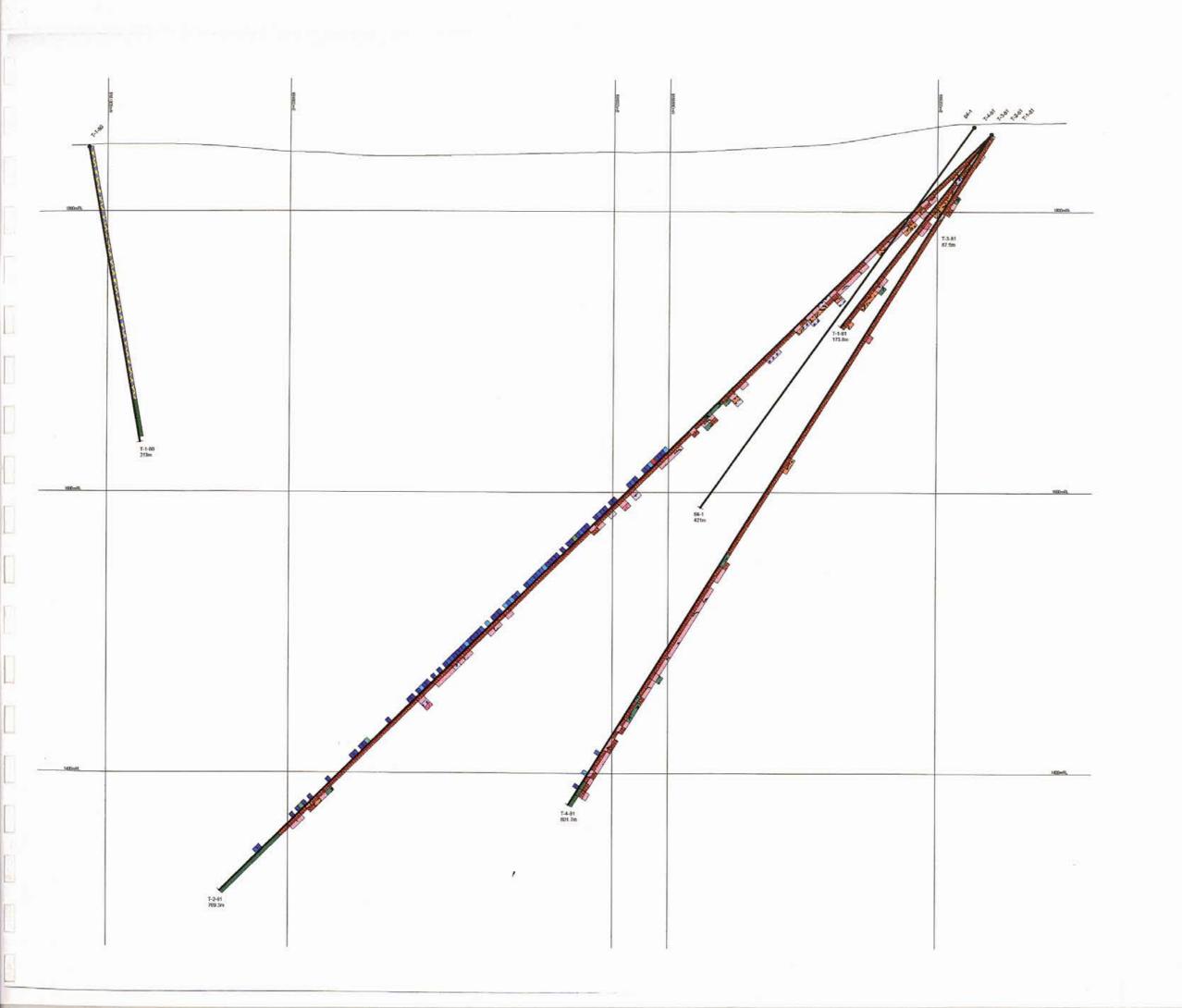
# Appendix J TexasGulf Drillhole Sections



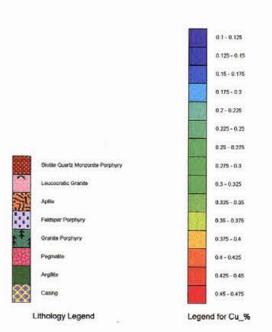
## **Looking Northeast**

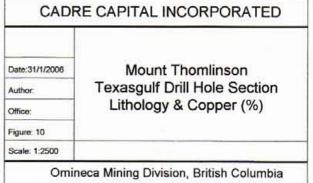






# Looking Northeast





# Appendix K Mineral Tenures

Tenure Number ID

515331 View Tenure

9

Tenure Type

Mineral (M)

Tenure Sub Type

Claim (C)

Title Type

Mineral Cell Title Submission (MCX)

Mining Division

Good To Date

2006/NOV/27

Issue Date

2005/JUN/27

**Termination Type** 

Termination Comments

**Termination Date** 

Tag Number

Claim Name

Old Tenure Code

Area In Hectares

1096.933

#### Map Numbers:

093M

#### Owners:

146984 CADRE CAPITAL INC. 100.0%

#### Agents:

146984 CADRE CAPITAL INC. CONV (4037752) 146984 CADRE CAPITAL INC. CIL (4043797) 146984 CADRE CAPITAL INC. SOW (4054448)

Tenure Number ID 515407 <u>View Tenure</u>

**9** 

Tenure Type

Mineral (M)

Tenure Sub Type

Claim (C)

Title Type

Mineral Cell Title Submission (MCX)

Mining Division

Good To Date

2006/NOV/27

**Issue Date** 

2005/JUN/27

Termination Type

**Termination Comments** 

**Termination Date** 

Tag Number

Claim Name

Old Tenure Code

Area In Hectares

1079.455

#### Map Numbers:

093M

#### Owners:

146984 CADRE CAPITAL INC. 100.0%

#### Agents:

146984 CADRE CAPITAL INC. CONV (4037873) 146984 CADRE CAPITAL INC. SOW (4054448)

**Tenure Number ID** 

518575 View Tenure

**9** 

Tenure Type

Mineral (M)

Tenure Sub Type

Claim (C)

Title Type

Mineral Cell Title Submission (MCX)

Mining Division

Good To Date

2006/JUL/31

Issue Date

2005/JUL/31

Termination Type

**Termination Comments** 

**Termination Date** 

Tag Number

Claim Name

THOM 2

**Old Tenure Code** 

Area In Hectares

438.772

#### Map Numbers:

093M

#### Owners:

146984 CADRE CAPITAL INC. 100.0%

#### Agents:

146984 CADRE CAPITAL INC. CEXT (4043993)

Tenure Number ID 518998 View Tenure

9

Tenure Type

Mineral (M)

Tenure Sub Type

Claim (C)

Title Type

Mineral Cell Title Submission (MCX)

Mining Division

Good To Date

2006/AUG/13

Issue Date

2005/AUG/13

**Termination Type** 

**Termination Comments** 

**Termination Date** 

Tag Number

Claim Name

THOM 3

Old Tenure Code

Area In Hectares

438.689

#### Map Numbers:

<u>093M</u>

#### Owners:

146984 CADRE CAPITAL INC. 100.0%

#### Agents:

146984 CADRE CAPITAL INC. CEXT (4045258)

Tenure Number ID 518999 <u>View Tenure</u>

9

Tenure Type

Mineral (M)

Tenure Sub Type

Claim (C)

Title Type

Mineral Cell Title Submission (MCX)

Mining Division

Good To Date

2006/AUG/13

Issue Date

2005/AUG/13

Termination Type

**Termination Comments** 

**Termination Date** 

Tag Number

Claim Name

THOM 4

Old Tenure Code

Area In Hectares

438.522

#### Map Numbers:

093M

#### Owners:

146984 CADRE CAPITAL INC. 100.0%

#### Agents:

146984 CADRE CAPITAL INC. CEXT (4045259)

519001 View Tenure

**9** 

Tenure Type

Mineral (M)

Tenure Sub Type

**Tenure Number ID** 

Claim (C)

Title Type

Mineral Cell Title Submission (MCX)

Mining Division

Good To Date

2006/AUG/13

**Issue Date** 

2005/AUG/13

**Termination Type** 

**Termination Comments** 

**Termination Date** 

Tag Number

Claim Name

THOM 5

Old Tenure Code

Area In Hectares

420.139

#### Map Numbers:

<u>093M</u>

#### Owners:

146984 CADRE CAPITAL INC. 100.0%

#### Agents:

146984 CADRE CAPITAL INC. CEXT (4045261)