

84-1225-13329

MineQuest Report #77  
Ref. No. RM1201

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**13,329**

THOM CLAIMS

GEOLOGY

Kamloops Mining Division  
N.T.S. 92 I/10,11

Latitude 50°45'N  
Longitude 121°00'W

UTM 641000mE, 5623000mN

by

G.D. Hodgson

of

MineQuest Exploration Associates Ltd.

| <u>CLAIM NAME</u> | <u>RECORD NUMBER</u> | <u>UNITS</u> | <u>DATE RECORDED</u> |
|-------------------|----------------------|--------------|----------------------|
| Thom I            | 4748                 | 16           | Sept. 15, 1983       |

November, 1984

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1.0

INTRODUCTION

The THOM claim was staked because heavy mineral samples and silt samples taken from stream sediments were found to contain anomalous quantities of gold and arsenic. Follow-up work which included prospecting, rock chip sampling and preliminary geological observations confirmed the presence of gold and arsenic.

Work described in this report consisted of geological mapping at 1:5,000 scale, prospecting, and rock chip sampling.

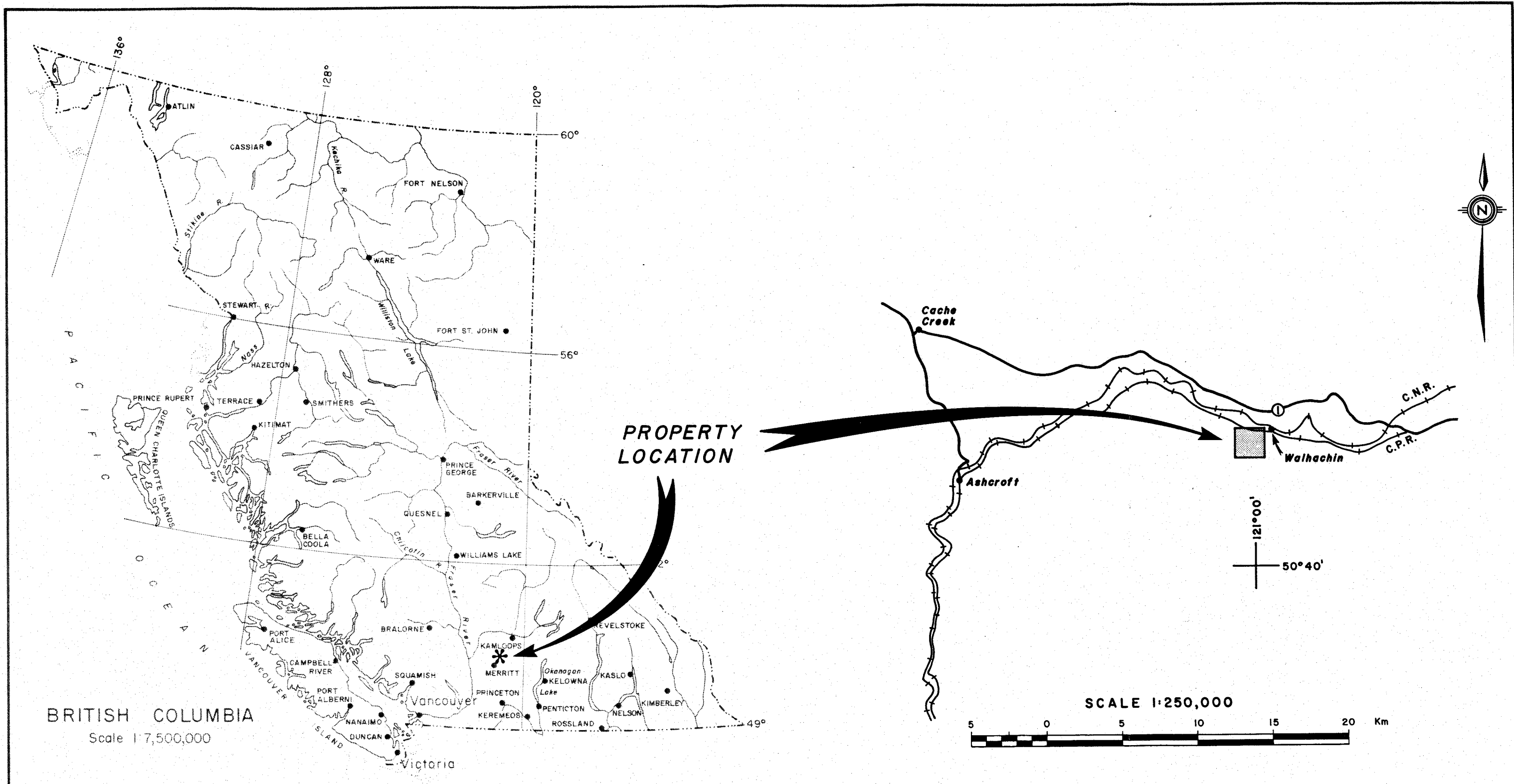
2.0

LOCATION, ACCESS AND TOPOGRAPHY

The THOM claim is located near the hamlet of Walhachin, south of the TransCanada Highway, 26km east south-east of Cache Creek (Figure 1).

Access to the property is provided by unpaved logging roads and trails south from Walhachin. Travel on the property is on foot or by trail bike.

The topography consists of gentle rolling country, rising southwards from the Thompson River, from about 335m to 650m above sea level. Vegetation comprises sage brush and grassland with scattered low shrubs. The upper slopes are wooded.



|                                       |       |                     |             |
|---------------------------------------|-------|---------------------|-------------|
| GOLDQUEST I PARTNERSHIP               |       |                     |             |
| THOM CLAIM                            |       |                     |             |
| LOCATION MAP                          |       |                     |             |
| PLAN NO.<br>587                       | DRAWN | DATE<br>APRIL, 1984 | FIGURE<br>1 |
| Revised                               |       | N.T.S.<br>92 I      |             |
| MINEQUEST EXPLORATION ASSOCIATES LTD. |       |                     |             |

## 3.0

OWNERSHIP AND CLAIM STATUS

The claim listed in Table I is held by MineQuest Exploration Associates Ltd., on behalf of Gold-Quest I, a General Limited Partnership.

TABLE I

| <u>CLAIM<br/>NAME</u> | <u>RECORD<br/>NUMBER</u> | <u>UNITS</u> | <u>DUE DATE*</u>   |
|-----------------------|--------------------------|--------------|--------------------|
| THOM I                | 4748                     | 16           | September 15, 1984 |

\*before submission of this report

## 4.0

HISTORY AND PREVIOUS WORK

The ground presently covered by the west half of the THOM claim has been explored and tested for copper since 1970 (Table II). Supertest Investments and Petroleum Ltd. carried out geological mapping, soil geochemistry, I.P., magnetometer surveys and diamond drilling from 1969 to 1973. This work is described in Assessment Reports 2476, 2772, 2773, 3506 and 3743. In 1974 BP minerals acquired the property and undertook an I.P. survey, detailed geologic mapping and percussion drilling (Assessment Reports 5730 and 6107). In 1979 Bethlehem Copper Corporation explored the same area for base metals, principally copper (Assessment Report 7531).

The Lucky Strike claims, (Min Inv. 92INE053) 1km east of the THOM were also explored for copper. Chalcopyrite and bornite occur as fracture fillings and blebs in altered Nicola volcanics. Chalcopyrite was found on two other occurrences to the west of the claims (Min Inv. 92INW018 and 055).

MineQuest staked the THOM claim in 1983. Stream sediments in Rattlesnake Creek contained anomalous gold and arsenic. First pass prospecting and rock sampling (Ridley, 1984) identified intrusives and silicification along Rattlesnake Creek.



TABLE II

## PREVIOUS WORK IN VICINITY OF THOM CLAIM

- 1970 Grid for EM survey  
for Supertest Investments Ltd.  
by Anon. Assess Report 2476
- 1970 Induced polarization  
for Supertest Investments Ltd.  
by Siegal Associates Ltd. Assess Report 2772
- 1970 Geology  
for Supertest Investments Ltd.  
by E.J. Wenderborn, Assess Report 2773
- 1970 Diamond drilling  
for Supertest Investments Ltd. no report avail.
- 1971 Magnetometry and geology (very local)  
for Supertest Investments Ltd.  
by E.J. Wenderborn, Assess Report 3506
- 1972 Grid  
for Supertest Investments Ltd.  
Operator unknown
- 1972 Magnetometry  
for Ursus Minerals (Nova), Assess Report 3743
- 1973 Diamond drilling - 7 holes  
for Ursus Minerals (Nova), no report
- 1974 Induced polarization and magnetometry  
for B.P. Minerals Ltd.  
by Eagle Geophysics, Assess Report 5730
- 1975 Soil geochemistry, geological mapping  
for B.P. Minerals Ltd.  
by C.D.S. Bates B.P. Minerals Ltd.  
B.P. report
- 1976 Percussion drilling - 5 holes  
for B.P. Minerals Ltd.  
by B.P. Minerals Ltd.  
Assess Report 6107 and B.P. reports
- 1979 Geological, Geophysical and Geochemical Report  
for Bethlehem Copper Corporation Ltd.  
by R.G. Simpson, Assess Report 7531
- 1983 Prospecting and rock sampling  
for GoldQuest I Limited Partnership  
by MineQuest Exploration Assoc.Ltd.  
Assess report submitted

5.0 WORK PERFORMED IN 1984

5.1 Geological Mapping

D. Brown and E. Grill spent 10 man days during May and June mapping the geology of the THOM claim. The geological map is enclosed as Figure 2.

5.2 Prospecting and Rock Sampling

L. Allen and R. Bilquist spent 10 man days prospecting and rock sampling during May, June and July. Seventy one samples were collected by both the prospecting and geological crews and analysed for gold, silver, arsenic and mercury. Locations and results are plotted on Figure 3.

5.3 Laboratory Methods

Rock samples were sent to Bondar-Clegg and Company Ltd. where they were crushed and pulverized to -100 mesh.

Analysis was as follows:

Gold: two thirds of an assay ton by fire assay and atomic absorption

Arsenic: nitric perchloric, colourmetric

Antimony: hydrochloric, potassium iodide ascorbic TOPO-MIBK, atomic absorption

Mercury: aqua regia, closed cell flameless atomic absorption.

## 6.0

REGIONAL GEOLOGY

The vicinity of Kamloops Lake has been mapped at a regional scale by Cockfield (1948), Duffel and McTaggart (1952), and more recently by Monger (1984). In and around the Thom claims the Triassic Nicola Formation consisting of intermediate volcanics and sedimentary rocks has been intruded by a diorite or granodiorite of probable Jurassic age. These Triassic and Jurassic rocks are overlain unconformably by a Jurassic (Bajocian) conglomerate. The high ground is covered by basalts of the Eocene Kamloops Group.

The Deadman River (north and east of the claims) is believed to occupy an extension of the Pinchi Fault which continues southwards through Tunkwa Lake down Guichon Creek. Off this major transcurrent fault is a northwest-trending splay which passes through Walhachin, just east of the THOM claim. Within this claim are a number of other fractures, notably that along Rattlesnake Creek, which are parallel to this splay. These fractures or faults are assumed to be late because they appear to affect the Tertiary Kamloops Group to the south.

The area now occupied by the Thom claim was mapped in 1974 by Findlay of BP Minerals (Assessment Report 5730) who provides detailed documentation of relationship between the Nicola, the Jurassic intrusives and the conglomerate. In addition he describes a quartz porphyry of unknown age in the northern part of Rattlesnake Creek. BP's work was directed at exploring the extension of a copper showing immediately to the east of Rattlesnake Creek in what is now the south centre of the Thom claims.

## 7.0 RESULTS OF 1984 PROGRAM

### 7.1 Geological Mapping

Mapping of the Thom claim by MineQuest in 1984 at 1:5,000 scale has led to confirmation of the BP map with minor changes of emphasis. BP's quartz porphyry has been mapped as a rhyolite plug and is (on the basis of regional structural information) believed to be Tertiary. Its distribution is shown to be more restricted than on BP's map. Satellite imagery (not available when BP mapped the property) is the basis for the belief that Rattlesnake Creek follows a major fracture which is one of several splays off the Deadman River Fault.

Outcrop shown on Figure 2 represent both outcrop which was observed on the ground and outcrop (or near outcrop) inferred from examination of air photographs.

### 7.2 Stratigraphy

Table II summarizes the stratigraphy as mapped on the THOM property.

Nicola Group            Rocks of the Nicola Group comprise volcanics, volcanoclastics and chemical sediments, now altered and weathered and given the general term "greenstones". Metamorphosed rocks of andesite and basalt composition predominate. The andesite typically has a fine grained groundmass with feldspar and augite phenocrysts. The basalt is usually fine-grained and structureless. Both rock types have suffered chlorite and epidote alteration. Well-bedded cherty tuff units are common. These are

Table II

Rock units exposed on THOM claims

TERTIARY

5 Kamloops Group

volcanic breccia  
basalt dyke rocks

4 "Rattlesnake Creek Rhyolite"

white porphyritic quartz  
and brown weathering  
"rhyolite-trachyte"

JURASSIC

3 Ashcroft Formation

polymictic conglomerate

TRIASSIC & JURASSIC

2 "Brassy Creek Diorite"

hornblende diorite;  
(probably of Guichon  
Batholith suite)

TRIASSIC

1 Nicola Group

greenstone, meta-tuff,  
cherty tuff  
limestone, recrystallized;  
minor calc-silicate

interbedded with andesitic lapilli tuffs. Recrystallized limestone pods may represent chemical sedimentary deposits, now mostly "marble" that is weakly foliated and generally fine to medium grained. These carbonate pods are most abundant in the southwest corner of the property, but are also exposed in the northeast in the CPR ballast quarry, where the contacts are sheared and the carbonate pods appear to be steeply transgressive across layering. Calc-silicate skarn is produced at the contact of carbonate with diorite.

"Brassy Gulch Diorite" "Brassy Gulch Diorite" is an unofficial name given to the multiphase intrusive bodies on the west side of the THOM claims. The intrusives are correlated with the Triassic-Jurassic Guichon Batholith. The predominant lithology is a massive, medium grained, hornblende diorite. The hornblende is weakly altered to chlorite  $\pm$  epidote. Pink potassic alteration has affected the feldspars. Magnetite stringers are locally exposed. In Rattlesnake Creek, a hornblende-feldspar monzonite porphyry is exposed. Lower down, just west of Rattlesnake Creek, a metre-wide pink, felsite breccia dyke cuts Nicola greenstones. Simpson & Nethery (1979) reported the occurrence of an "intrusive breccia" in Rattlesnake Creek, but this has not been located.

Ashcroft Formation Covering much of the south and east of the property is the Jurassic Ashcroft Formation, a pebble to boulder conglomerate, unconformably overlying Nicola rocks and Brassy Gulch Diorite. Clasts include hornblende diorite, monzonite, granodiorite and an assortment of volcanic rocks as well as chert, limestone and siltstone. The clasts are subrounded, poorly sorted. The matrix appears to be similar to interbedded gently dipping greywackes. There is a variable clast/matrix ratio; locally the conglomerate is clast supported, but elsewhere it is matrix dominant.

Rattlesnake Creek Rhyolite A Tertiary, possibly Eocene, intrusive plug is exposed along Rattlesnake Creek. Two lithologies have been recognized, namely a porphyritic quartz rhyolite, and a "rhyolite-trachyte". The former rock type weathers a pale grey colour, with colourless quartz phenocrysts up to 3mm long. The groundmass contains finely disseminated pyrite. The second lithology, given the field name rhyolite-trachyte: is a brown weathering, non-porphyritic rhyolite.

Although some contacts are locally sheared, field relationships show intrusive contacts with both the Nicola Group and the Brassy Gulch Diorite.

Kamloops Group A Tertiary basalt dyke is exposed in Brassy Gulch, 200m west of the claim boundary. A poorly consolidated and friable volcanic breccia, correlated with the Eocene Kamloops Group, also crops out west of the property.

### 7.3 Rock Sampling

The rhyolite, which occupies about 500m of the north end of Rattlesnake Creek, is adjacent to and assumed to be associated with values of gold up to 100ppb with arsenic up to 50ppm (Zone A) in Nicola rocks.

Near the centre of the claim block (Zone B) a quartz stockwork is exposed for some seven metres near the base of the creek. Here, values for gold and arsenic are higher (up to 780ppb and 400ppm respectively). The rock in which these values are found appears to be an altered variety of the Brassy Gulch diorite. Petrographic work has not been completed at the time of writing. Macroscopic examination reveals intense carbonate-silica, and quartz-pyrite veining, possibly accompanied by argillization of the feldspars.

## 8.0

DISCUSSION

Some of the rocks sampled in Zone B contain values in gold (485, 780 ppb) with matching values in arsenic and mercury (see Figure 3) which are geochemically significant. Pyrite is a common constituent of the altered and veined rocks in this vicinity, and it seems reasonable to suppose that the gold and pyrite are associated. The pyrite occurs with silicification and within a quartz vein stockwork, both of which are pervasive and give no indication of being confined to narrow veins or fissures. Being so, the mode of mineralization is of a disseminated type and as such is compatible with a bulk tonnage type of target.

The presence of pyrite and its apparent association with gold suggests that drill targets should, initially at any rate, be sited on the basis of chargeability anomalies from an induced polarization survey. Fortunately, one such survey, completed in 1975, shows a chargeability anomaly on the east side of Rattlesnake Creek. This zone, although identified as the first anomaly at the time, was not drilled. (The drilling was directed at the possibility of copper mineralization within a resistivity low on the west side of Rattlesnake Creek). The I.P. anomaly becomes therefore a principle focus for further exploration.

In more general terms, the Rattlesnake Creek fault zone is seen as having controlled the emplacement of not only the Rattlesnake Creek rhyolite, but also an auriferous hydrothermal system to which the rhyolite is probably have been related. The hydrothermal system appears to have contained a suite of metals typical of such systems. What remains unknown at present is the strength of the system and the susceptibility of host rocks for the emplacement of gold. The Ashcroft Formation



of Jurassic age is presumed to pre-date both the rhyolite and the hydrothermal system. Its poorly lithified matrix suggests some promise as a host but nowhere on Rattlesnake Creek itself is there any indication of significant alteration peripheral to the Brassy Creek granodiorite. A second stage of exploration would consist therefore of detailed location of the fault by VLF together with overburden drilling to test for geochemical response.

9.0

CONCLUSIONS

1. Rattlesnake Creek occupies a fault zone which controlled the location of:
  - a) a rhyolite-porphyry plug
  - b) an hydrothermal system which introduced gold, arsenic and mercury
  
2. One outcrop in the base of the creek shows a carbonate-quartz stockwork with disseminations and stringers of pyrite and with geochemically significant values in gold. This zone falls near the edge of a chargeability anomaly developed from an induced polarization survey carried out in 1975. The chargeability anomaly, because of the possibility that it represents a larger, perhaps stronger, zone of gold-bearing pyrite is a prime exploration target.

10.0

RECOMMENDATIONS

1. An induced polarization survey to explore the extension of the open-ended anomaly to the east of Rattlesnake Creek.
2. Soil geochemistry to cover this anomaly.

11.0

REFERENCES

- BP Minerals Ltd., 1975  
Geophysical Report on the Walachin Property,  
with Appendix: Geological Mapping Program  
B.C. Assessment Report 5730
- Cockfield, W.E., 1948  
Geology and Mineral Deposits of Nicola  
Map-Area  
GSC MEMOIR 249, Map 886A
- Duffel, S. and McTaggart, K.C., 1952  
Ashcroft Map-Area, British Columbia  
GSC Memoir 262, Map 1010A
- Ridley, S.L., 1984  
Thom Claims: Prospecting and Rock Sampling  
MineQuest Report #62 (submitted for  
Assessment)

**APPENDIX I**

**Statements of Qualifications**

Derek A. Brown  
Geoffrey D. Hodgson

STATEMENT OF QUALIFICATIONS

I, Derek A. Brown hereby certify that:

I am a graduate of Carleton University  
(B.Sc. Honours, 1981).

I have practised my profession as a  
Geologist for three years.

I carried out the geological mapping  
decribed in this report.

Signed: \_\_\_\_\_

DEREK A. BROWN

Dated at Vancouver, B.C. this  
15 day of September, 1984

STATEMENT OF QUALIFICATIONS

I, Geoffrey David Hodgson, certify that:

1. I am a geologist with MineQuest Exploration Associates Ltd., of 311 Water Street, Vancouver, B.C., now resident of Kalgoorlie, Western Australia
2. I graduated with a B.Sc. degree in geology from Exeter University, U.K. in 1972 and an M.Sc. degree in geology from the University of Alberta, Edmonton, in 1976.
3. I have practised geology in Canada and Australia for the past twelve years.
4. I am a Member of the Australasian Institute of Mining and Metallurgy, and the Geological Society of Australia. I am a past Member of the Canadian Institute of Mining and Metallurgy and the Geological Association of Canada.
5. The opinions expressed in this report are based on one day's visit to the property and on notes and discussions with Derek Brown who mapped the property

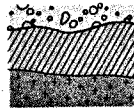
Signed: \_\_\_\_\_  
G.D. Hodgson

Dated at Vancouver, B.C. this  
15th day of October, 1984

**APPENDIX II**

Laboratory Reports





REPORT: 124-1094

SUBJECT: BR/TbN PAGE 1

| SAMPLE NUMBER | ELEMENT UNITS | Ag PPA | Au PPB | NOTES |
|---------------|---------------|--------|--------|-------|
|---------------|---------------|--------|--------|-------|

|            |  |    |    |  |
|------------|--|----|----|--|
| R 60T 7501 |  | 13 | 15 |  |
| R 60T 7516 |  | 12 | 15 |  |
| R 60T 7517 |  | 20 | 15 |  |
| R 60T 7518 |  | 11 | 6  |  |
| R 60T 7519 |  | 17 | 10 |  |

|            |  |    |   |  |
|------------|--|----|---|--|
| R 60T 7520 |  | 12 | 5 |  |
|------------|--|----|---|--|

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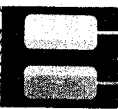
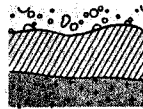
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REPORT: 124-1187

PROJECT: GG/THA

PAGE 1

| SAMPLE NUMBER | ELEMENT UNITS | Ag PPM | As PPM | Au PPD | NOTES                         |
|---------------|---------------|--------|--------|--------|-------------------------------|
| R GQT7017     |               | 0.6    | 28     | <5     | Not Applicable to this Report |
| R GQT7018     |               | 0.4    | 14     | 20     |                               |
| R GQT7019     |               | <0.2   | 10     | 5      |                               |
| R GQT7020     |               | 0.4    | 10     | 10     |                               |
| R GQT7021     |               | <0.2   | 17     | <5     |                               |
| R GQT7022     |               | 29.0   | 85     | 850    | Not Applicable to this Report |
| R GQT7023     |               | 0.7    | 20     | 10     |                               |
| R GQT7024     |               | 0.3    | 42     | <5     |                               |
| R GQT7028     |               | 1.6    | 60     | 30     |                               |
| R GQT7201     |               | 0.3    | 30     | <5     |                               |
| R GQT7202     |               | <0.2   | 8      | <5     | N/A to this Report            |
| R GQT7203     |               | <0.2   | 3      | <5     |                               |
| R GQT7562     |               | 2.8    | 20     | 55     |                               |
| R GQT7617     |               | <0.2   | 20     | 5      |                               |
| R GQT7618     |               | <0.2   | 17     | 5      |                               |
| R GQT7619     |               | <0.2   | 28     | 5      | N/A to this Report            |
| R GQT7620     |               | <0.2   | 6      | <5     |                               |
| R GQT7623     |               | 0.2    | 65     | <5     |                               |
|               |               |        |        |        |                               |
|               |               |        |        |        |                               |
|               |               |        |        |        |                               |
|               |               |        |        |        |                               |

REPORT: 124-1728

PROJECT: GG/THM

PAGE 1

| SAMPLE NUMBER | ELEMENT UNITS | Ag PPA | As PPA | Au PPB | NOTES |
|---------------|---------------|--------|--------|--------|-------|
| R GQT 7801    |               | 0.3    | 59     | 20     |       |
| R GQT 7802    |               | 0.5    | 75     | 40     |       |
| R GQT 7803    |               | 0.2    | 50     | 15     |       |
| R GQT 7804    |               | <0.2   | 18     | 15     |       |
| R GQT 7805    |               | 0.3    | 8      | 40     |       |
| R GQT 7806    |               | 0.2    | 75     | 40     |       |
| R GQT 7807    |               | <0.2   | 21     | 20     |       |
| R GQT 7808    |               | <0.2   | 7      | 15     |       |
| R GQT 7809    |               | <0.2   | 8      | 20     |       |
| R GQT 7810    |               | <0.2   | 6      | 25     |       |
| R GQT 7811    |               | <0.2   | 11     | 15     |       |
| R GQT 7812    |               | <0.2   | 6      | 30     |       |
| R GQT 7813    |               | 0.9    | 11     | 55     |       |
| R GQT 7814    |               | <0.2   | 6      | 10     |       |
| R GQT 7815    |               | 0.2    | 110    | 50     |       |
| R GQT 7816    |               | 1.2    | 120    | 85     |       |
| R GQT 7817    |               | 1.2    | 180    | 255    |       |
| R GQT 7818    |               | 2.8    | 410    | 780    |       |
| R GQT 7819    |               | <0.2   | 25     | 5      |       |
|               |               |        |        |        |       |
|               |               |        |        |        |       |
|               |               |        |        |        |       |
|               |               |        |        |        |       |



REPORT: 124-1071

PROJECT: 04/788 PAGE: 1

| SAMPLE NUMBER | ELEMENT UNITS | AS PPM | AV PPB | NOTE                            | SAMPLE NUMBER | ELEMENT UNITS | AS PPM | AV PPB | NOTE                            |
|---------------|---------------|--------|--------|---------------------------------|---------------|---------------|--------|--------|---------------------------------|
| R GGT 7502    |               | 10     | <5     |                                 | R GGT 7547    |               | 22     | <5     |                                 |
| R GGT 7503    |               | 40     | <5     |                                 | R GGT 7548    |               | 28     | 10     |                                 |
| R GGT 7504    |               | 8      | 15     |                                 | R GGT 7549    |               | 12     | <5     |                                 |
| R GGT 7505    |               | 26     | <5     |                                 | R GGT 7550    |               | 7      | <5     | } Not Applicable to this Report |
| R GGT 7506    |               | 31     | 35     |                                 | R GGT 7551    |               | 30     | <5     |                                 |
| R GGT 7507    |               | 28     | 110    |                                 | R GGT 7552    |               | 155    | 450    | } Not Applicable to this Report |
| R GGT 7508    |               | 13     | 20     |                                 | R GGT 7553    |               | 125    | 325    |                                 |
| R GGT 7509    |               | 11     | 10     |                                 | R GGT 7554    |               | 43     | 10     |                                 |
| R GGT 7510    |               | 4      | <5     |                                 | R GGT 7555    |               | 47     | <5     |                                 |
| R GGT 7511    |               | 21     | <5     |                                 | R GGT 7556    |               | 37     | 15     |                                 |
| R GGT 7512    |               | 30     | <5     |                                 | R GGT 7557    |               | 60     | <5     | } Not Applicable to this Report |
| R GGT 7513    |               | 175    | 260    |                                 | R GGT 7558    |               | 23     | <5     |                                 |
| R GGT 7514    |               | 400    | 495    |                                 | R GGT 7559    |               | 11     | <5     |                                 |
| R GGT 7515    |               | 13     | <5     |                                 | R GGT 7560    |               | 12     | <5     |                                 |
| R GGT 7521    |               | 10     | 10     |                                 |               |               |        |        |                                 |
| R GGT 7522    |               | 16     | 10     |                                 |               |               |        |        |                                 |
| R GGT 7523    |               | 14     | <5     |                                 |               |               |        |        |                                 |
| R GGT 7524    |               | 8      | <5     |                                 |               |               |        |        |                                 |
| R GGT 7525    |               | 400    | 10     | } N/A to this Report            |               |               |        |        |                                 |
| R GGT 7526    |               | 15     | 5      |                                 |               |               |        |        |                                 |
| R GGT 7527    |               | 6      | <5     |                                 |               |               |        |        |                                 |
| R GGT 7528    |               | 14     | <5     |                                 |               |               |        |        |                                 |
| R GGT 7529    |               | 10     | 5      |                                 |               |               |        |        |                                 |
| R GGT 7530    |               | 5      | <5     |                                 |               |               |        |        |                                 |
| R GGT 7531    |               | 11     | 5      | } N/A to this Report            |               |               |        |        |                                 |
|               |               |        |        |                                 |               |               |        |        |                                 |
| R GGT 7532    |               | 31     | <5     | } Not Applicable to this Report |               |               |        |        |                                 |
| R GGT 7533    |               | 93     | <5     |                                 |               |               |        |        |                                 |
| R GGT 7534    |               | 1000   | 55     |                                 |               |               |        |        |                                 |
| R GGT 7535    |               | 103    | 5      |                                 |               |               |        |        |                                 |
| R GGT 7536    |               | 650    | 15     |                                 |               |               |        |        |                                 |
| R GGT 7537    |               | 500    | 30     | } Not Applicable to this Report |               |               |        |        |                                 |
| R GGT 7538    |               | 21     | 5      |                                 |               |               |        |        |                                 |
| R GGT 7539    |               | 28     | 5      |                                 |               |               |        |        |                                 |
| R GGT 7540    |               | 28     | 15     |                                 |               |               |        |        |                                 |
| R GGT 7541    |               | 55     | 100    |                                 |               |               |        |        |                                 |
| R GGT 7542    |               | 13     | <5     |                                 |               |               |        |        |                                 |
| R GGT 7543    |               | 10     | 110    |                                 |               |               |        |        |                                 |
| R GGT 7544    |               | 6      | 25     |                                 |               |               |        |        |                                 |
| R GGT 7545    |               | 11     | 25     |                                 |               |               |        |        |                                 |
| R GGT 7546    |               | 5      | <5     |                                 |               |               |        |        |                                 |



**APPENDIX III**

**Cost Statement**

**COST STATEMENT**  
**THOM CLAIM AND AREA**  
**APRIL 1 TO SEPTEMBER 30, 1984**

FEEES AND WAGES:

|             |                     |             |             |
|-------------|---------------------|-------------|-------------|
| R.V. Longe  | 4.08 days at \$485  | \$ 1,978.80 |             |
| Sue Ridley  | 2.72 days at \$225  | 612.00      |             |
| A. Davidson | .21 days at \$130   | 27.30       |             |
| A. Davidson | 3.85 days at \$120  | 462.00      |             |
| G. Hodgson  | 4.27 days at \$485  | 2,070.95    |             |
| A. Gourlay  | 1.33 days at \$285  | 379.05      |             |
| Les Allen   | 10.50 days at \$185 | 1,942.50    |             |
| R. Bilquist | 10.00 days at \$185 | 1,850.00    |             |
| D. Brown    | 9.27 days at \$285  | 2,641.95    |             |
| E. Grill    | 10.00 days at \$120 | 1,200.00    |             |
| P. McCarthy | .03 days at \$185   | 5.55        | \$13,170.10 |

CASUAL STAFF:

155.62

DISBURSEMENTS:

|                                |                 |                    |
|--------------------------------|-----------------|--------------------|
| Rental Vehicles - Casual       | 342.30          |                    |
| Rental Vehicles - Term         | 436.71          |                    |
| M.Q. Rental Vehicle Charges    | 512.00          |                    |
| Vehicles Repairs & Maintenance | 2.54            |                    |
| Fuels & Lubricants, Vehicles   | 350.06          |                    |
| Taxis, Parking, Fares          | 57.30           |                    |
| Meals, Accommodation           | 25.38           |                    |
| Freight                        | 98.84           |                    |
| M.Q. Equipment Charges, Field  | 316.00          |                    |
| M.Q. Equipment Charges, Camp   | 205.00          |                    |
| Fuel & Lubricants, Camp        | 16.00           |                    |
| Groceries, Kitchen Supplies    | 409.61          |                    |
| Food, Accommodation - In Field | 1,634.34        |                    |
| General Supplies               | 121.57          |                    |
| Field Office Supplies          | 17.60           |                    |
| Geochemical Analyses           | 1,738.67        |                    |
| Other                          | 6.00            |                    |
| Licence Fees                   | 25.00           |                    |
| Telephone, Telex               | 16.05           |                    |
| Courier, Postage               | 72.85           |                    |
| Drafting                       | 299.00          |                    |
| Reprographics                  | 193.56          |                    |
| Xerox - In House               | 82.25           |                    |
| Maps, Reports, Publications    | 129.03          |                    |
| Drafting Supplies              | 78.64           |                    |
| Report Preparation             |                 |                    |
| Outside-Services               | 10.00           |                    |
| M.Q. Word Purchasing           | 106.12          |                    |
|                                | <u>7,302.42</u> |                    |
| Disbursement Over-Ride         | 709.22          | 8,011.64           |
|                                |                 | <u>\$21,337.36</u> |

Total attributable to THOM I claim  
(allocated on the basis of man days)

\$12,515.69





**LEGEND**

- TERTIARY**  
 Rattlesnake Creek Rhyolite  
 4 ..... White porphyritic quartz and brown weathering "rhyolite-trachyte"
- JURASSIC**  
 Ashcroft Formation  
 3 ..... Polymictic conglomerate
- TRIASSIC & JURASSIC**  
 Brassy Creek Diorite  
 2 ..... Hornblende diorite; (probably of Guichon Batholith suite)
- TRIASSIC**  
 Nicola Group  
 1a ..... Greenstone, meta-tuff, cherty tuff  
 1b ..... Limestone, recrystallized; minor calc silicate

**SYMBOLS**

- ..... Foliation  
 ..... Bedding  
 ..... Dyke, vein  
 ..... Fracture, joint  
 ..... Fault  
 ..... Outcrop  
 ..... Contact observed, inferred  
 ..... Inferred fault

**GEOLOGICAL BRANCH  
 ASSESSMENT REPORT**

**13,329**



GOLDQUEST | LIMITED PARTNERSHIP

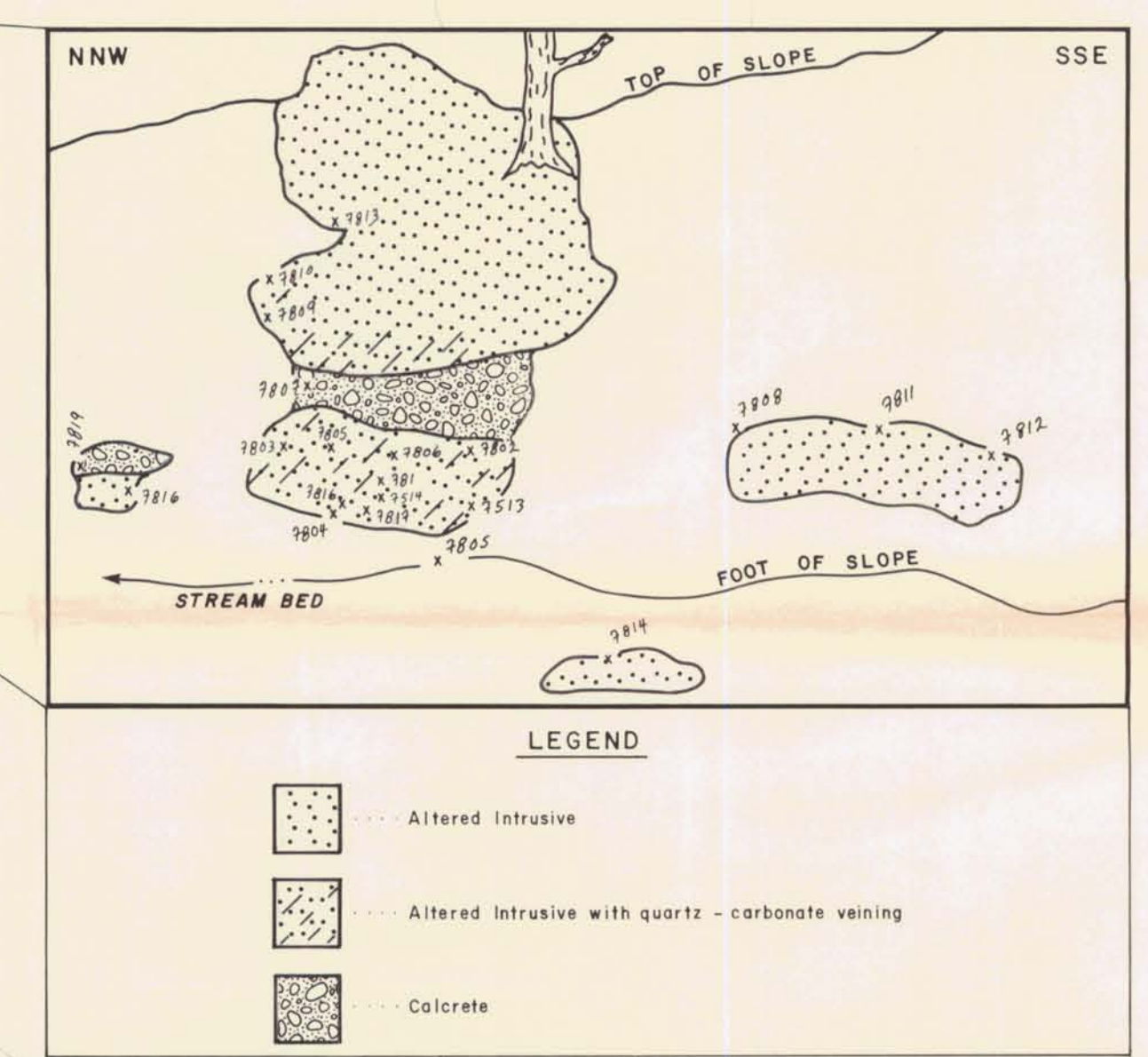
THOM CLAIM

**GEOLOGY**

|                 |       |                           |             |
|-----------------|-------|---------------------------|-------------|
| PLAN No.<br>720 | DRAWN | DATE<br>NOV. 1984         | FIGURE<br>2 |
| REVISED         |       | REVISED<br>82/10,31,14,15 |             |

MINEQUEST EXPLORATION ASSOCIATES LTD.





| Sample Number | Ag ppm | As ppm | Au ppb | Hg ppt | Pb ppm |
|---------------|--------|--------|--------|--------|--------|
| GOT 7001      |        | 6      | 5      |        |        |
| GOT 7002      |        | 11     | 60     |        |        |
| GOT 7013      |        | 18     | 5      |        |        |
| GOT 7014      |        | 7      | 5      |        |        |
| GOT 7501      |        | 13     | 5      |        |        |
| GOT 7502      |        | 10     | <5     |        |        |
| GOT 7503      |        | 40     | <5     |        |        |
| GOT 7504      |        | 8      | 15     |        |        |
| GOT 7505      |        | 26     | <5     |        |        |
| GOT 7506      |        | 31     | 85     |        |        |
| GOT 7507      |        | 28     | 110    | 80     | 19     |
| GOT 7508      |        | 13     | 20     |        |        |
| GOT 7509      |        | 11     | 10     |        |        |
| GOT 7510      |        | 4      | <5     |        |        |
| GOT 7511      |        | 21     | <5     |        |        |
| GOT 7512      |        | 30     | <5     |        |        |
| GOT 7513      |        | 175    | 260    | 2500   | 22     |
| GOT 7514      |        | 400    | 495    | 3500   | 18     |
| GOT 7515      |        | 13     | <5     |        |        |
| GOT 7516      |        | 12     | <5     |        |        |
| GOT 7517      |        | 20     | <5     |        |        |
| GOT 7518      |        | 11     | 5      |        |        |
| GOT 7519      |        | 17     | 10     |        |        |
| GOT 7520      |        | 12     | 5      |        |        |
| GOT 7521      |        | 10     | 10     |        |        |
| GOT 7522      |        | 16     | 10     |        |        |
| GOT 7523      |        | 14     | <5     |        |        |
| GOT 7524      |        | 9      | <5     |        |        |
| GOT 7526      |        | 15     | <5     |        |        |
| GOT 7527      |        | 6      | <5     |        |        |
| GOT 7528      |        | 14     | <5     |        |        |
| GOT 7529      |        | 10     | 5      |        |        |
| GOT 7530      |        | 5      | <5     |        |        |
| GOT 7540      |        | 28     | 40     |        |        |
| GOT 7541      |        | 55     | 100    | 35     | 16     |
| GOT 7542      |        | 13     | <5     |        |        |
| GOT 7543      |        | 10     | 110    | 30     | 6      |
| GOT 7544      |        | 6      | 25     |        |        |
| GOT 7545      |        | 11     | 25     |        |        |
| GOT 7546      |        | 5      | <5     |        |        |
| GOT 7547      |        | 22     | <5     |        |        |
| GOT 7548      |        | 28     | 10     |        |        |
| GOT 7549      |        | 12     | <5     |        |        |
| GOT 7562      | 2.8    | 20     | 55     |        |        |
| GOT 7617      | <0.2   | 20     | 5      |        |        |
| GOT 7618      | <0.2   | 17     | 5      |        |        |
| GOT 7619      | <0.2   | 28     | 5      |        |        |
| GOT 7620      | <0.2   | 6      | <5     |        |        |
| GOT 7801      | 0.3    | 59     | 20     |        |        |
| GOT 7802      | 0.5    | 75     | 40     |        |        |
| GOT 7803      | 0.2    | 50     | 15     |        |        |
| GOT 7804      | <0.2   | 18     | 15     |        |        |
| GOT 7805      | 0.3    | 8      | 40     |        |        |
| GOT 7806      | 0.2    | 75     | 40     |        |        |
| GOT 7807      | <0.2   | 21     | 20     |        |        |
| GOT 7808      | <0.2   | 7      | 15     |        |        |
| GOT 7809      | <0.2   | 8      | 20     |        |        |
| GOT 7810      | <0.2   | 6      | 25     |        |        |
| GOT 7811      | <0.2   | 11     | 15     |        |        |
| GOT 7812      | <0.2   | 6      | 30     |        |        |
| GOT 7813      | 0.9    | 11     | 55     |        |        |
| GOT 7814      | <0.2   | 6      | 10     |        |        |
| GOR 7815      | 0.2    | 110    | 50     |        |        |
| GOT 7816      | 1.2    | 120    | 85     |        |        |
| GOT 7817      | 1.2    | 180    | 255    | 2550   | 8      |
| GOT 7818      | 2.8    | 410    | 780    | >5000  | 10     |
| GOT 7819      | <0.2   | 25     | 5      |        |        |

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**13,329**



GOLDQUEST LIMITED PARTNERSHIP

**THOM CLAIM**

**ROCK SAMPLE  
LOCATIONS AND RESULTS**

|                                       |       |                   |             |
|---------------------------------------|-------|-------------------|-------------|
| PLAN No.<br>728                       | DRAWN | DATE<br>DEC. 1984 | FIGURE<br>3 |
| MINEQUEST EXPLORATION ASSOCIATES LTD. |       |                   |             |