REPORT ON

GEOLOGICAL MAPPING, ROCK SAMPLING,

SOIL SAMPLING

AND

DIAMOND DRILLING

ON THE

THOR-MARMOT CLAIM GROUP

OMINECA MINING DIVISION

B.C.

NTS: 94D/1OE and 94D/15E

Latitude 56^0 44-51' N

Longitude 126^0 34-40' W

For

San Telmo Resources Ltd
430 - 580 Hornby Street
Vancouver, BC V6C 3B6

By

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August 10, 1998

Summary

The Thor-Marmot property is located roughly 20 kilometres south of the new Kemess copper-gold mine, approximately 400 kilometres north of Fort St. James, in the Omineca Mining Division of north-central British Columbia. It consists of 8 claim blocks (147 units) with a total area of 3675 hectares. San Telmo Resources Ltd. owns three of these claims, and controls the other five claims under an option agreement with Electrum Resources Corporation.

On its east side the property is underlain by basaltic volcanic rocks of the Upper Triassic Takla Group. These rocks have been intruded by several granitic plugs and stocks, probably of the Early Jurassic Black Lake intrusive suite. The Kemess stock, which hosts the nearby Kemess copper-gold porphyry deposit, is also a member of this intrusive suite. Clastic non-marine sedimentary rocks of the Cretaceous to Tertiary Sustut Group underlie the west side of the property. Contact between the Takla and Sustut Groups is not well exposed, but may be along the 150°-striking Moose Valley fault.

Takla Group volcanic rocks on the Thor-Marmot property are cut by widely spaced, narrow, north-south trending, high-grade copper and gold-bearing shear zones and quartz veins. Historically, this type of mineralization was the focus of most previous exploration programs on the property.

San Telmo Resources Ltd. conducted a program of geological mapping, rock sampling, and diamond drilling on the property between June 16th and July 2nd, 1998. Six holes totaling 692 metre (2271 feet) were drilled. In late July, 86 soil samples were collected from the north part of the property near drill hole Mar 98-06.

Hole Mar 98-01 targeted a magnetic anomaly in the south part of the claim group initially thought to be related to an intrusion, or paleoplacer deposit. The area is underlain by magnetite-rich conglomerate of the Sustut Group. No significant copper or gold values were encountered.

Holes Mar 98-02 through Mar 98-05 tested a north-trending shear zone in Zone B with sporadic high copper and gold values along 1.5 kilometres of strike length. Drilling results were disappointing. Poorly defined structures were intersected, containing only weakly anomalous copper and gold values.

Hole Mar 98-06 targeted a newly discovered strongly propylitically altered granodiorite (?) intrusion adjacent to extensive cliffs of shattered and weakly copper mineralized volcanic rocks in the B-south Zone. A grab sample (GA-110) of a narrow quartz vein in this area contained over 100 grams of gold per tonne across 5-10 centimetres. In drill hole Mar 98-06 between 86.60 and 233.78 metres (end of hole) the intrusion contains sporadic disseminated and stringer-related pyrite, chalcopyrite, bornite, chalcocite, and rarely, native copper. Grades from part of this zone are shown below:

From (m)	*To (m)*	*Width (m)*	*Cu (%)*	*Au (g/T)*
86.6	146.84	60.24	0.112	0.041
including:				
106.15	139.29	33.14	0.163	0.054

The geologic setting, alteration, and mineralization in this zone are all similar to those reported at the Kemess deposit.

This is the best exploration target identified on the property to date. Copper and gold-bearing shear zones in the adjacent volcanic rocks are probably genetically related to

emplacement of the granitic intrusions. These shears are widespread suggesting that related porphyry-type mineralization in the underlying or adjacent intrusions could be equally extensive.

Soil samples were taken along a contour line below drill hole Mar98-06, and the cliffs of shattered basalt with carbonate stockwork and shear-related copper-gold mineralization. Samples from below the cliffs contained consistently anomalous levels of copper.

With only one relatively short hole into mineralization, and virtually no detailed mapping in the discovery area, the nature and extent of the zone is unknown. Continued exploration in the area is planned. The program (consisting primarily of geological mapping, soil geochemistry, IP, and diamond drilling) is designed to trace the known mineralized zone and to identify other such zones in the largely unexposed granitic intrusions. This program will cost an estimated $862,000.

- TABLE OF CONTENTS -

TABLES

FIGURES

APPENDICES

1.0 INTRODUCTION

The Thor-Marmot property is located in the Omineca Mining Division of north-central British Columbia. At the commencement of this program the property consisted of 8 mineral claim blocks with a total of 147 units, which were either owned by or under option to San Telmo Resources Ltd.

Exploration activity in the property area has been on-going intermittently since the early 1960s. Several copper- and gold–bearing shear zones were located within volcanic rocks, but none were of significant size. With development of the nearby Kemess porphyry copper-gold deposit the area is receiving renewed interest. It was postulated that the mineralized shear zones in the volcanic rocks on the Thor-Marmot property may be indicative of an underlying copper-gold porphyry system.

In 1997 San Telmo conducted an airborne geophysical program covering the property (Geotech Ltd., 1997; McDougall, J., 1997). This report discusses the subsequent program of geological mapping, sampling, and diamond drilling conducted by Max Investments Inc. on behalf of San Telmo Resources Ltd. between June 16 and July 2, 1998. The cost of this program, details of which are presented in Appendix 5, was approximately $160,000.

2.0 LOCATION AND ACCESS

The following section is modified after a report by McDougall (1997):

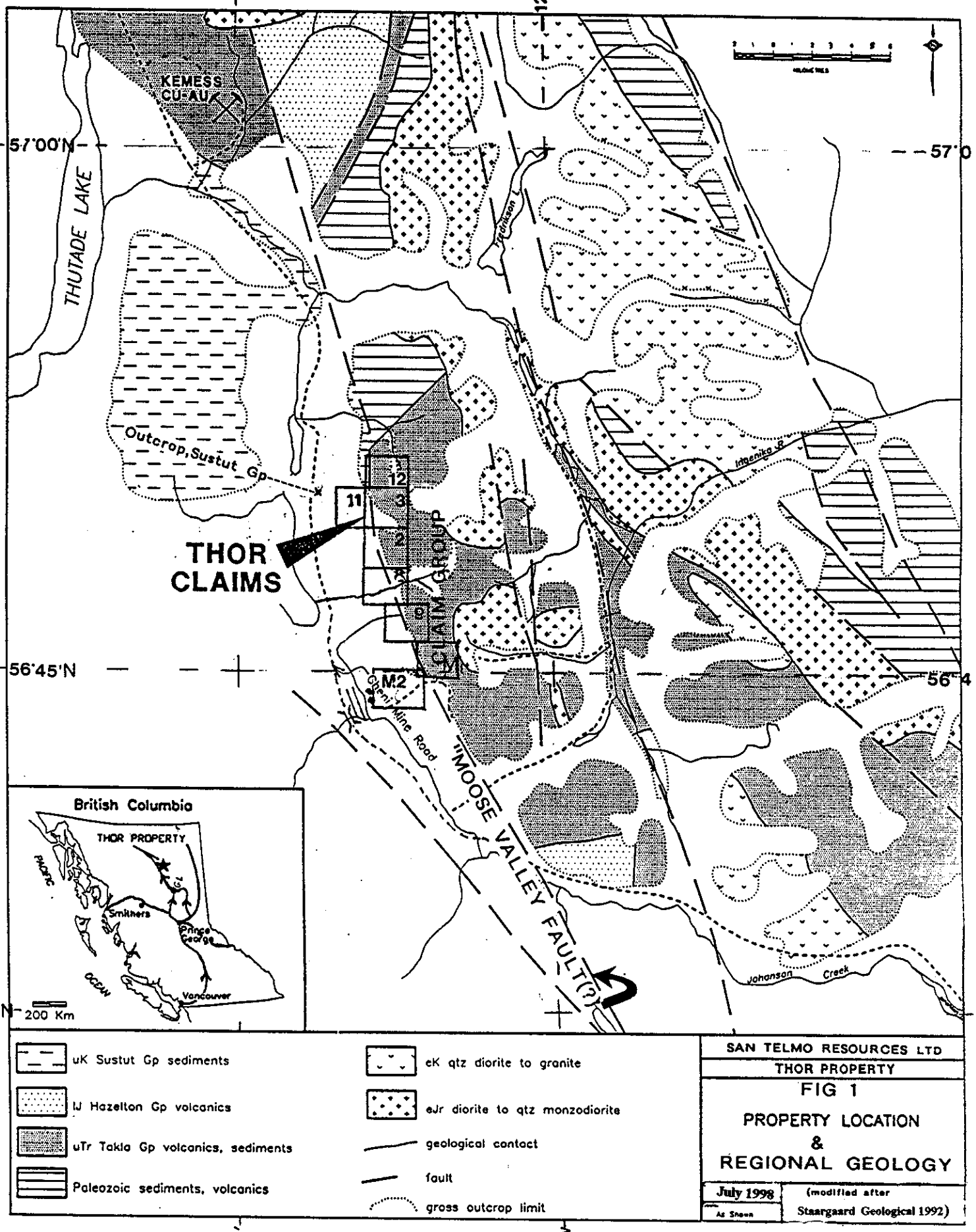
The Thor-Marmot mineral property is located within and to the east of Moose Valley, in the Omineca Mining Division of north-central British Columbia (latitude 56° 44-51' N, Longitude 126° 34-40' W; NTS map sheets 94D/1O and 94D/15; Figure 1). It includes much of the eastern half of Moose valley and the western slopes of the McConnell Range, extending northerly for approximately 7 km from the headwaters of Menard Creek to the latitude of Thorne Lake.

The grassy, lightly timbered valley is at an elevation of about 1200 metres (4000 feet) and the highest point on the claims is 2,042 metres (6,700 feet), well above timber line. Mountains in the McConnell Range are fairly rugged. The climate is typical of the northern interior with moderate (± 100 centimetres) precipitation, much of it falling as snow that lasts from early November to late May. Winter temperatures can range down to - 40° C.

Access to the property is via highway 27 from Vanderhoof (on highway 16, west of Prince George) to Fort St James (57 km), and then by gravel mining and logging road for about 400 kilometres towards the headwaters of the Sustut River and on to Moose Valley. An alternate route from near Mackenzie at the south end of Williston Lake also exists. From Moose Valley the road continues 35 kilometres north to the turnoff to the Kemess gold-copper mine (now in production) and an additional 65 kilometres to the Cheni gold mine. The road will be kept open on a year-round basis to service the Kemess mine.

A small (approximately 1.5 kilometre long) unmaintained airstrip at Moose Valley would allow access by small fixed wing aircraft from Prince George (400 kilometres) or Smithers (250 kilometres). A small strip has also been constructed near the Kemess mine. Thorne lake and several others provide relatively convenient float or ski plane access to the area as well.

The southern (Marmot) portion of the property is partially accessible by cat road from the Moose Valley airstrip. The Thor 11 claim is accessible by a 1.5 kilometre long game trail from the main road east of Thorne Lake. The newly constructed powerline servicing the Kemess mine crosses the Marmot 2 claim in the south end of the block, and follows the west boundary of the Thor 11 claim in the north end of the block.



SAN TELMO RESOURCES LTD

THOR PROPERTY

FIG 1

PROPERTY LOCATION & REGIONAL GEOLOGY

July 1998 | As Shown

(modified after Staargaard Geological 1992)

For rapid access to most of the claim block, however, a helicopter is required. Helicopters are based in both Prince George and Smithers.

3.0 PROPERTY AND OWNERSHIP

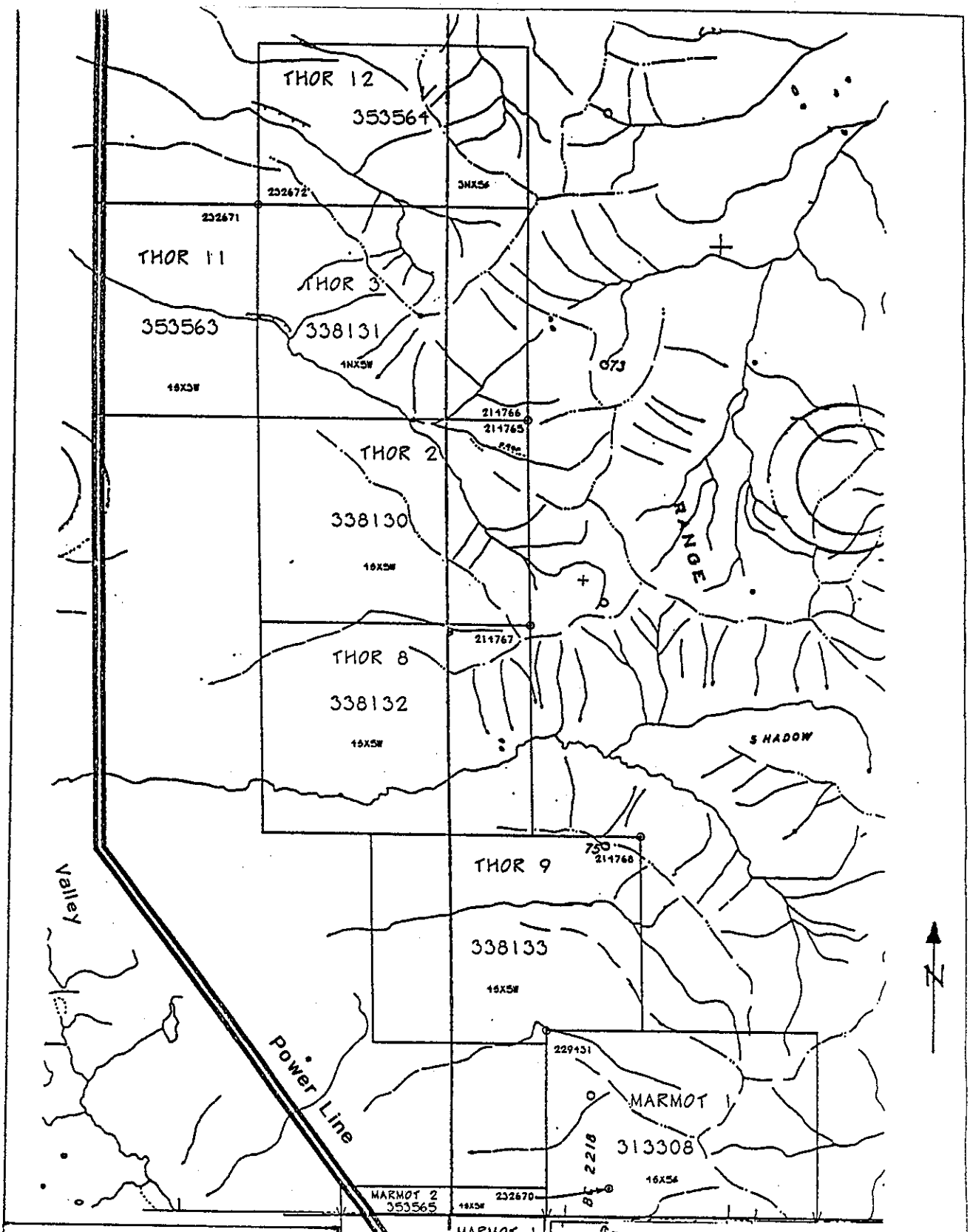
At the commencement of this program the Thor-Marmot property consisted of 8 claims totalling 147 units and 3675 hectares (Figures 2, 3). Five of these claims (100 units total) were optioned by San Telmo from Electrum Resources Corporation of Vancouver B.C. San Telmo staked an additional 3 claim blocks (47 units total) north (Thor 12), west (Thor 11) and south (Marmot 2) of the original claim group. As of July 2, 1998, the claim group was roughly 13 kilometres long north-south, by 2.5 to 4 kilometres wide.

The claims have not undergone a legal survey but are easily defined from officially surveyed monuments or recognisable mapped landmarks. Claims data are presented below in Table 1.

Table 1

Thor-Marmot Project Mineral Claims Data

Claim Name	Tenure Number	Issue Date	Valid Until	Size (all MGS)	Registered Owner	Current Grouping	Area
Thor 2	338130	11 July 1995	11 July 2000	4S x 5W	Electrum Resources Corporation	3075204 Thor	500 ha
Thor 3	338131	11 July 1995	11 July 2000	4N x 5W	Electrum Resources Corporation	3075204 Thor	500 ha
Thor 8	338132	13 July 1995	13 July 1999	4S x 5W	Electrum Resources Corporation	3075204 Thor	500 ha
Thor 9	338133	13 July 1995	13 July 1999	4S x 5W	Electrum Resources Corporation	3075204 Marmot	500 ha
Marmot	313308	6 Sept 1992	6 Sept 1999	4S x 5E	Electrum Resources Corporation	3075204 Marmot	500 ha
Thor 11	353563	6 Feb 1997	6 Feb 2000	4S x 3W	San Telmo Resources Ltd	—	300 ha
Thor 12	353564	6 Feb 1997	6 Feb 2000	3N x 5E	San Telmo Resources Ltd	—	375 ha
Marmot 2	353565	4 Feb 1997	4 Feb 2000	4S x 5W	San Telmo Resources Ltd	—	500 ha
			Totals:	**147 units**			**3,675 ha**



SCALE:

ORIGINAL PRODUCED AT 1:31680

METRES

500 0 500 1000 1500 2000

ADMINISTRATIVE AREAS

MINING DIVISIONS: OMINECA

FIG. 2

THOR/MARMOT CLAIM GROUP

MINERAL TITLES REFERENCE

MAP 094D10E/094D15E

U.T.M. ZONE 10

MAP UPDATE: July 1998

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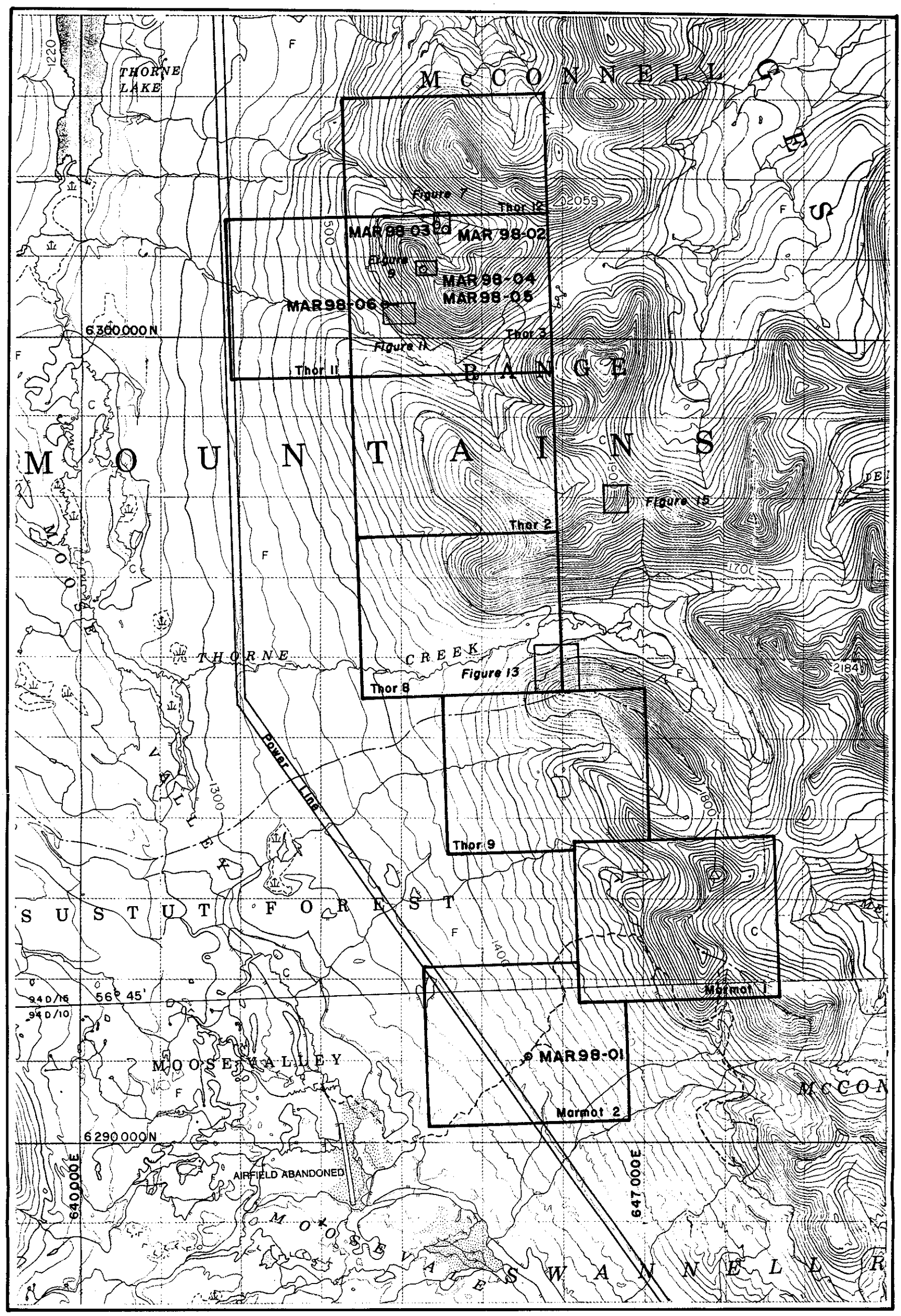


DATUM: NAD 27

SAN TELMO RESOURCES LTD.	
THOR-MARMOT PROPERTY OMINECA MINING DIVISION, B.C.	
DRILL HOLE LOCATION AND FIGURE INDEX MAP	
Date: July, 1998	Scale: 1:50 000
	Drawn By: G. Allen
	Figure: 3

4.0 EXPLORATION HISTORY AND ECONOMIC SETTING

4.1 Exploration History

The following account of the exploration history of the Thor-Marmot property area was modified after a report by McDougall, 1997.

Early exploration in the region centred around small placer gold operations, particularly in the Germansen Landing-Manson Creek area, although even smaller operations were in production in the Toodoggone River area and elsewhere. Several lead-zinc showings were discovered in the first part of the 1900s. In the late 1960s and 1970s the region was explored for porphyry type copper and molybdenum mineralization. It was during this period that the Chapelle Creek (Baker mine) precious metal vein, Lawyers (Cheni mine) amethystine epithermal gold, and the Kemess-north porphyry copper-gold deposits were initially discovered. Considerable interest was generated by the Falconbridge discovery of several volcanic/sediment-hosted copper deposits (Sustut deposit) and intrusive associated gold-copper deposits within rocks along the Sustut River valley. In the 1980s, most interest was centred around the Toodoggone area gold discoveries (Baker and Cheni mines).

In 1996 Royal Oak Mines announced that it was proceeding with development of the Kemess-south deposit, located approximately 16 kilometres north of the Thor-Marmot property. This project created renewed interest in the area, since the existence of an electric power line and good road access would make development of additional deposits relatively inexpensive.

The Omineca mineral access road heading north from Fort St. James was started in the late 1940s. It was built in stages and reached Moose Valley in the early 1970s. It was later continued northward as far as the Toodoggone River to service the short-lived Baker and Cheni gold mines. This road now services the new Kemess mine, and passes within 1 kilometre of the Thor-Marmot claim group.

Within the Moose Valley-Marmot area, mineralization of interest was first reported during a regional mapping program of the Geological Survey of Canada in the early 1940s (Lord, 1948). A sample from a 1.5 metre wide silicified shear zone assayed 4.4 g/T gold, 5.1% copper and 123 g/T silver ("original showing"?, Figure 4). The first claims were staked in the early 1960s by W. D. Savage, and optioned in 1966 to New Wellington Resources Ltd. In 1966 New Wellington completed a program consisting of geological mapping, IP surveying (2 lines across the Marmot showing), and bulldozer trenching. A total of 762 metres of trenching was completed, and about 20 acres of bedrock was stripped (Mouritsen, 1966). In 1967, a further 1.6 kilometres of bulldozer stripping was completed, and one short hole was drilled(Campbell, 1968). In 1969, the property was optioned by Texada Mines Ltd, who carried out a 14-week program of soil sampling and geological mapping (Church, 1973). Five diamond drill holes totalling about 238 metres were drilled; three of which were on the main Marmot showing and the other two on the slope immediately to the west. Due to reported technical difficulties, none of the holes reached their target depth. A total of 2,066 soil samples were taken.

In the early 1970s BP Minerals, after a regional stream sediment survey, staked several claims in the central Thor area north of the present Marmot claims.

In 1973, Wesfrob Mines Ltd (a Falconbridge subsidiary under the overall direction of J. McDougall) optioned the Marmot property and in 1973 carried out a 300 line-kilometre airborne magnetic EM survey (Lockwood Surveys), and a 275 metre, 5-hole diamond drill program. Two of the drill holes were drilled to determine depth to bedrock, and two other holes tested weak VLF-EM conductors in readily accessible areas. No mineralization of interest was encountered. The fifth hole, drilled below one of the known Marmot mineralized zones, showed no values of interest although core recovery was very poor. The airborne survey, consisting of magnetics and electromagnetics, did outline a possible buried porphyry or semi-massive sulphide target within rocks of unknown derivation, as well as generating many EM anomalies believed caused by carbonaceous beds (Brown, 1973). No drill testing

of anomalies was carried out, as Wesfrob postponed further work on its main priority, the "Sustut" copper property, leaving the area late in the season.

In 1984, B.P. Resources carried out a program of silt and rock chip sampling as a follow up to their earlier program in the central claim area (Heberlein, 1984).

Also in 1984 Falconbridge carried out an exploration program in the Moose Valley area (including the north part of the current Thor-Marmot claims) targeting paleoplacer gold deposits in the clastic sediments of the Sustut Group (Lehtinen, 1984). Copper- and gold-bearing shears hosted in volcanic rocks on the current Thor 3 claim were also investigated.

In 1987 Mingold Resources Ltd. resampled the known occurrences in the area and staked the KMA claims. In 1988, a program of rock sampling, prospecting and soil sampling was carried out on the more northerly "Thorne" claims by Asamera Minerals Inc. Additional claims were staked in 1989 and further soil and rock sampling completed, but further test recommendations submitted to Asamera were not followed through on.

In 1990, Mingold (Reynolds 1990) carried out further exploration consisting of rock and soil sampling near the Marmot prospect, extending the copper and gold anomalies to the north, and to the south. An altered andesitic float sample (source not discovered) reportedly assayed 28.80 g/T (0.84 oz/ton) gold, and 1% copper.

In 1992, Electrum Resources Corporation staked the Thor 1-7 group of claims several kilometres to the north, covering much of the abandoned Thorne ground, and eventually consolidated a new Thor group in 1995 contiguous with the Marmot (1992) property to the south. Work by Electrum (Staarguard, 1992-93) consisted of geochemical and VLF-EM surveys, largely designed to trace important fault structures southward from the Kemess copper-gold porphyry deposit.

In early 1997, San Telmo Resources Ltd. optioned the Thor 2, 3, 8, 9 and Marmot claims from Electrum and staked the Thor 11, Thor 12, and Marmot 2 claims. In March of 1997, San Telmo completed an airborne geophysical survey (EM and Mag) over the area. Field expenditures on the Thor-Marmot Group by Electrum to 1995 totalled approximately $40,000. Total "pre 1996" expenses on portions of the property are estimated to exceed $100,000 (in 1970 ± dollars). Only a small portion of this, however, was spent on drilling; restricted to only a few short poor-recovery holes on the Marmot property.

Expenditures by San Telmo prior to the commencement of the current program exceed $100,000; the largest item being the 1997 airborne geophysical program which cost approximately $88,000.

4.2 Economic Setting

4.2.1 Kemess Deposit

Due to its close proximity and similar geological setting to the Thor-Marmot property, a description of the Kemess deposit is warranted. The following description of the Kemess deposit was modified from a report by Price, 1996, who used Minfile as his main original reference.

The Kemess copper-gold porphyry deposit is located approximately 20 kilometres north-northwest of the Thor-Marmot property. Kennco Explorations Inc. investigated what is now known as the Kemess North deposit in the late 1960s during an extensive regional geochemical exploration program. El Condor Resources Ltd. explored the property in some detail in 1990 and outlined a second, higher grade deposit (Kemess South). Royal Oak Mines Ltd. has recently (June, 1998) put the Kemess South deposit into production.

In the Kemess South deposit, Takla Group volcanic and lesser amounts of sedimentary rocks have been intruded by a flat-lying body of quartz monzonite of the Kemess stock (Black Lake intrusive suite). The volcanic rocks are so strongly altered that original textures are largely destroyed. They are assumed, however, to be fine-grained basalt to andesite flows. Chert, cherty tuff, and argillite are intercalated with the volcanic flows.

Rocks in the Kemess South area have undergone extensive brittle fracturing. Many generations of veins, stockworks and unhealed fractures cut the host rocks.

All rocks, with the exception of the cherts and argillites, have undergone strong alteration. Alteration assemblages are complex and generally overprint each other. Alteration types and hydrothermal veining events are listed below in approximate chronological order (earliest to latest):

1	**Sericitization of plagioclase**	
2	**Quartz veinlets**	5 – 30% of the rock across tens of metres, and up to 70% across a few metres
3	**Chlorite**	associated with faulting
4	**Calcite veining**	
5	**Carbonate (non calcite) veining**	
6	**Gypsum veining**	widespread but minor
7	**Zeolite veining**	widespread but minor

Mineralization is largely hosted within the quartz monzonite, but extends a few metres into both the volcanic and sedimentary host rocks. Hypogene sulphide minerals consist of pyrite and chalcopyrite, and occur both disseminated throughout the sericite-altered quartz monzonite and in quartz stringers. Supergene minerals include chalcocite, native copper, cuprite, and malachite. Molybdenite and magnetite are not common.

The porphyry mineralization occurs as a gently westward-dipping blanket-shaped zone measuring approximately 1400 metres east-west by 600 metres north-south, and 250 metres thick. It occurs near surface on the east side, but dips to over 180 metres below surface on its west edge.

Mineable reserves for the Kemess deposit are presented below in Table 2.

Table 2

Ore Reserves of the Kemess Deposit (Price, 1996)

Ore Body	Year of estimate	Ore Type	Tonnes (millions)	Copper (%)	Gold (g/T)
Kemess South	1994	*supergene	45.4	0.20	0.75
		*hypogene	155	0.23	0.59
		all	200.4	0.22	0.63
Kemess North	1992	**all	75.3	0.21	0.51
Kemess (all)	1996	all	245	0.22	0.62

Specific Sources:
*- Minfile (Information Circular 1994-13, page 14)
**- George Cross News Letter No. 213; Nov. 4, 1992

Planned production from the Kemess mine is 6,625 kilograms (213,000 ounces) of gold, 26 million kilograms (58 million pounds) of copper, and 5,290 kilograms (170,000 ounces) of silver annually for the projected 15 year life of the mine. Mining is planned at a rate of 40,000 tonnes per day.

5.0 REGIONAL GEOLOGY

The general area has been geologically mapped by the Geological Survey of Canada at a scale of 1:250,000, with certain sections completed in more detail by the Geological Survey of British Columbia, and by private companies (see references).

5.1 Stratigraphy

The Thor-Marmot Property is located in the Omineca Mountains, in Quesnellia Terrane. A simplified stratigraphic sequence for the region is presented below:

Cretaceous	**Sustut Group**	Basinal conglomerate through to mudstone
Lower Jurassic	**Hazelton Group**	Andesite, trachyte, and dacite volcanic flows, volcaniclastic rocks and marine sediments
Upper Triassic	**Takla Group**	**Moosevale Formation** – volcanic breccia, sandstone, mudstone **Savage Mountain Formation** – coarse-grained plagioclase-augite porphyritic basalt **Dewar Formation** – argillite and tuff
Lower Permian	**Asitka Group**	Marine sedimentary and volcanic rocks

Asitka Group

The oldest rocks in the area are part of the Paleozoic Lower Permian Asitka Group. They are marine sedimentary and volcanic rocks. The type-section for these rocks occurs near Dewar Peak immediately east of Moose Valley. The Group has been subdivided into three sections:

Upper section	Basalt flows, chert, tuffaceous limestone
Middle section	Basalt to rhyolite flows
Lower section	Basalt, argillite, chert, tuffaceous carbonate

Takla Group

The Upper Triassic Takla Group (probably equivalent to the Stuhini Group to the west) unconformably overlies the Asitka Group. At its type-section at Sustut Peak, approximately 15 kilometres south of the Thor Marmot property, it has been divided into three formations:

Moosevale Formation	varicoloured breccia and sandstone to conglomerate
Savage Mountain Formation	flows and breccias of coarse-grained augite and plagioclase porphyritic basalt

Dewar Formation	bedded argillite and tuff

The Savage Mountain Formation is the most extensive of the three. These rocks are generally massive, dark green, coarse-grained augite-plagioclase porphyritic basalts. Other less common units include: fine-grained aphyric basaltic andesite flows, lapilli tuff and volcanic breccia, amygdaloidal flows, and coarse-grained plagioclase porphyry. Epidote commonly replaces the plagioclase phenocrysts, and mafic minerals have generally been altered to chlorite.

Sandstone and limestone occur as rare interflow lenses.

Hazelton Group

The lower Jurassic Hazelton Group consists of andesitic, trachytic, and dacitic flows, volcaniclastics, and marine sediments. Potassium-argon dating of the various members of the Group ranges from 204 to 182 Ma (Price, 1996). Hazelton Group rocks unconformably overlie rocks of the Takla Group.

Sustut Group

The Sustut Group consists of a sequence of Cretaceous to Tertiary non-marine basinal sedimentary and volcaniclastic rocks. They have been divided into two formations as outlined below:

Brothers Peak Formation	*Spatsizi Member* – Pebbly sandstone with layers of ash tuff , mudstone, and minor amounts of coal. *Laslui Member* – Ash tuff interlayered with conglomerate.
Tango Creek Formation	*Tatlatui Member* – chert-rich pebbly sandstone and grey mudstone. *Niven Member* – conglomerate, sandstone, and green-red mudstone.

5.2 Intrusions

Takla Group volcanic rocks have been intruded by various phases of the Early Jurassic Black Lake intrusive suite. The Kemess stock, which is a member of the Black Lake suite, occurs approximately 22 kilometres north-northwest of the Thor-Marmot property (Figure 1). This intrusive complex consists of various phases. Granodiorite and quartz monzonite are the most common, but quartz diorite and syenite also occur. Age dates of the Kemess stock range from 182 to 207 Ma.

Small intrusive stocks and plugs of the Fleet Peak pluton are common in the core of the McConnel Range. It is probable that these intrusions (or at least some of them) are part of the Black Lake intrusive suite, and contemporaneous with the Kemess stock.

The Black Lake intrusions have the same age ranges as the Hazelton Group volcanic rocks, and it is probable that the two groups are genetically related.

5.3 Faulting

Paleozoic Asitka Group and Upper Triassic Takla Group rocks occur as imbricated thrust slices in some locations (Diakow, 1991) suggesting post Triassic regional compression, perhaps contemporaneous with intrusions of the Early Jurassic Black Lake suite.

The dominant structures in the area, however, are steeply dipping, 140° to 170° trending block faults which define a prominent regional fabric. Two such faults, the Ingenika and the Moose Valley faults bracket the claim area to the east and west respectively. These two faults appear to be splays off of the Pinchi fault which occurs along the east side of the Hogem Batholith, approximately 50 kilometres south of the property area.

6.0 LOCAL GEOLOGY

A simplified map of the geology of the Thor-Marmot property, compiled from recent observations and maps produced by Asamera in 1988, is presented in Figure 4.

6.1 Lithology

Volcanic rocks of the Upper Triassic Takla Group predominantly underlie the eastern parts of the claims, except Marmot 2. These rocks were only traversed on the north part of the claim block during this program. Where observed they generally consisted of coarse-grained plagioclase-augite phyric basalt or andesite flows and minor amounts of intercalated volcaniclastic rocks, probably of the Savage Mountain Formation.

Medium-grained granitic (granodiorite?) plugs have intruded Takla Group volcanic rocks. Only one intrusion in the north end of the claim group was observed during this program. The rock is a medium greenish-grey, strongly sericite-altered medium-grained biotite-hornblende granodiorite (?). This intrusion will be discussed in more detail in section 7.4.

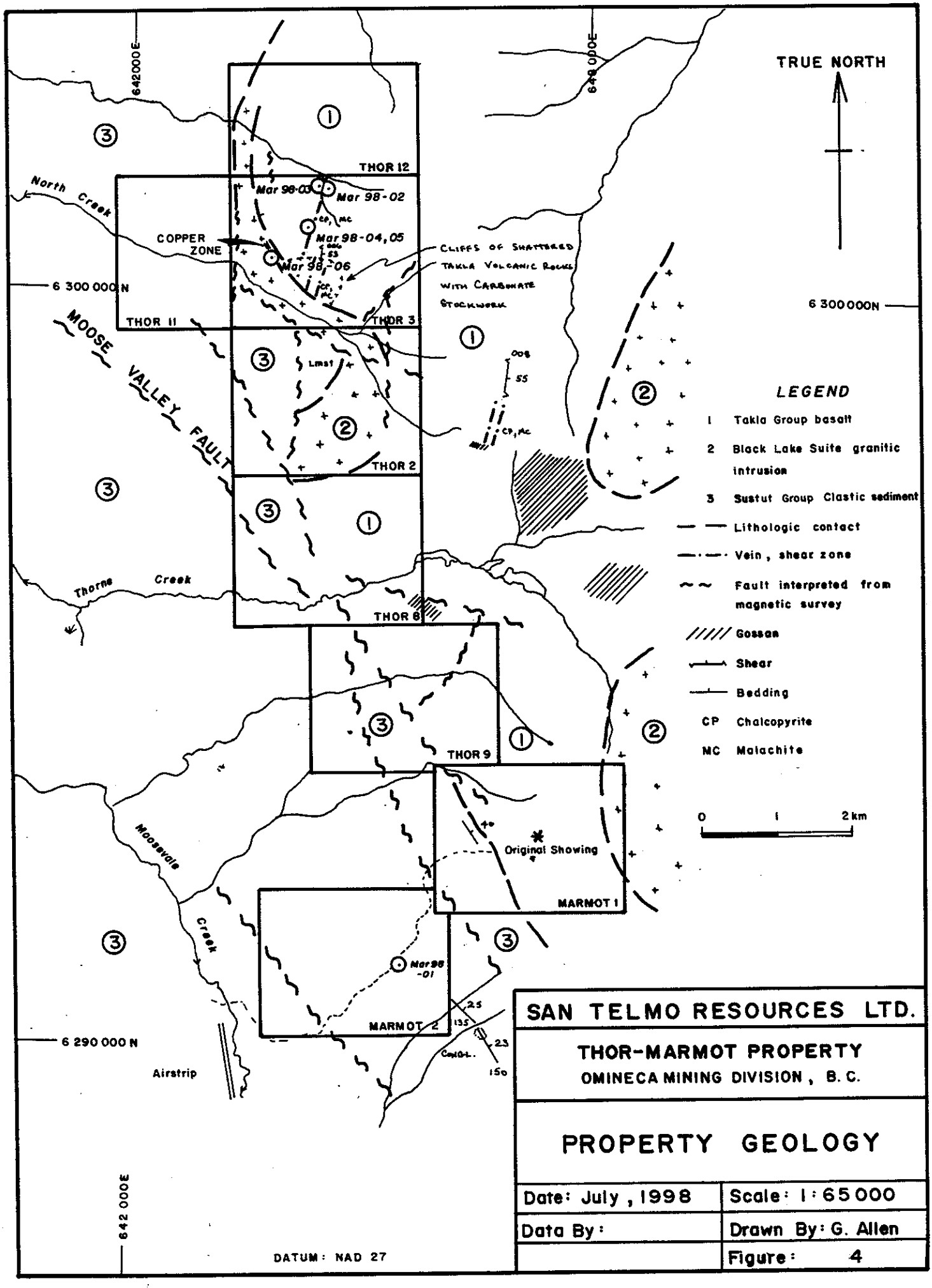
Sustut Group clastic sedimentary rocks probably underlie the western part of the property, although exposure is poor and contacts are not well defined. Sustut Group rocks were only observed at the south end of the claim block; on surface near the Marmot 2 claim, and in drill hole Mar 98-01. At both of these locations the rock consists of poorly consolidated pebble to cobble conglomerate with abundant rounded clasts of Takla Group volcanic rock, lesser amounts of granitic material, and vein quartz.

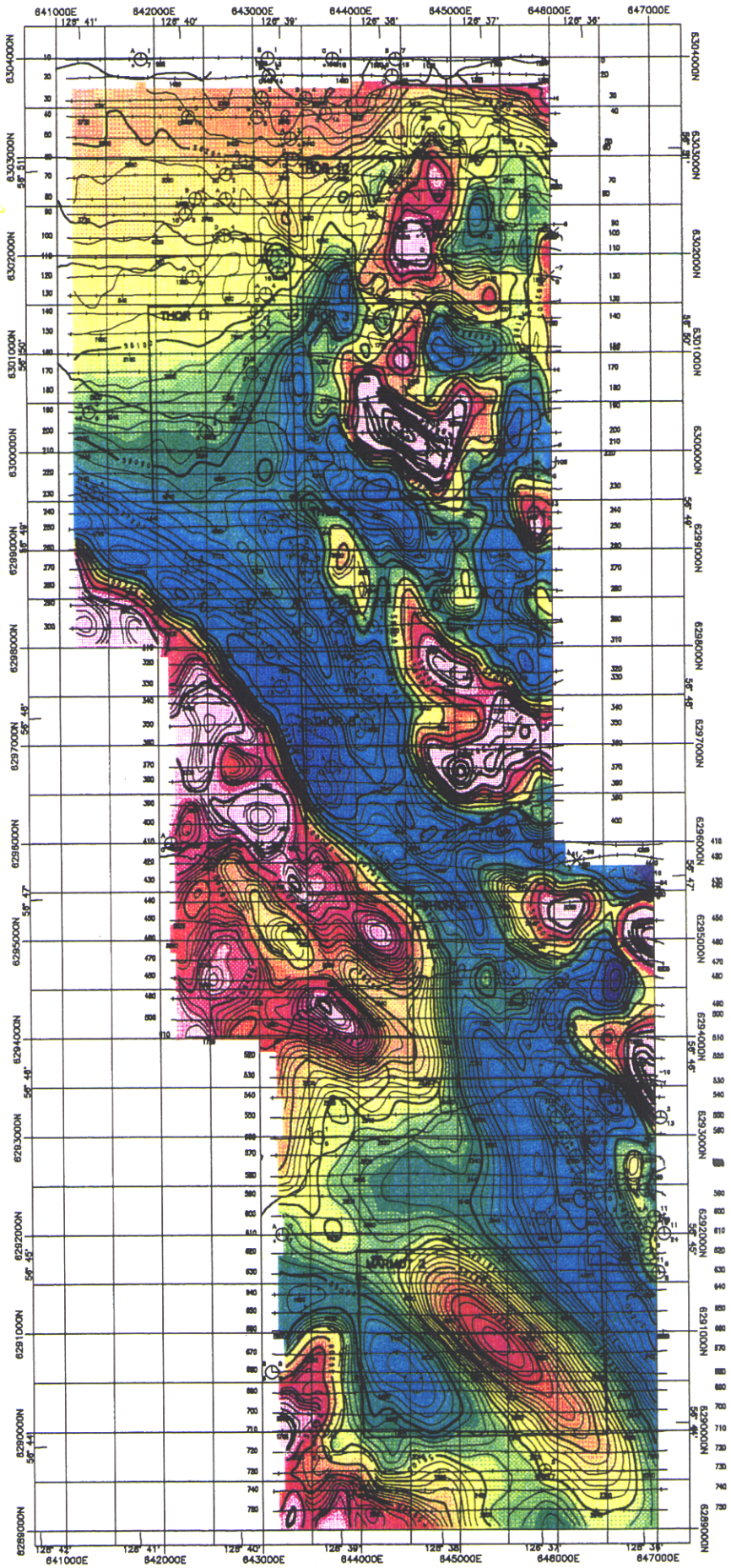
Falconbridge Ltd. obtained up to 1 gram of gold per tonne in Sustut Group conglomerates well west of the claim group. During their exploration for paleoplacer deposits in the area they located conglomerate outcrops near the western extremity of the current Thor 12 claim and a second outcrop of conglomerate roughly 1 kilometre to the west.

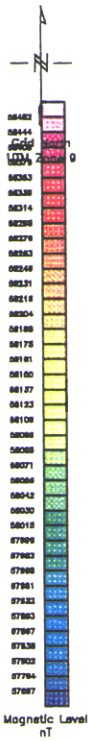
6.2 Faulting

Faults shown in Figure 4 have been interpreted from an airborne magnetic survey conducted in 1997 (Figure 5).

A prominent, approximately 150°-striking, zone of low magnetic susceptibility cuts across the centre of the property. It is thought that this feature correlates with the Moose Valley fault; a large structural break related to the Pinchi fault to the south. In the south part of the property it appears to be correlative with the contact between Sustut Group conglomerates on the west and Takla Group volcanic rocks on the east. Northeast of the Moose Valley fault, in the area predominantly underlain by Takla Group volcanic rocks, the magnetic map is characterized by isolated zones of


642000E
649 000E
TRUE NORTH
6 300 000N
THOR 12
THOR 11
THOR 3
THOR 2
THOR 6
THOR 9
MARMOT 1
MARMOT 2
Mar 98-03
Mar 98-02
Mar 98-04,05
Mar 98-06
Mar 98-01
COPPER ZONE
North Creek
Thorne Creek
Moosevale Creek
MOOSE VALLEY FAULT
CLIFFS OF SHATTERED TAKLA VOLCANIC ROCKS WITH CARBONATE STOCKWORK
Original Showing
Airstrip
6 290 000 N
642 000E
DATUM: NAD 27
LEGEND
1 Takla Group basalt
2 Black Lake Suite granitic intrusion
3 Sustut Group Clastic sediment
Lithologic contact
Vein, shear zone
Fault interpreted from magnetic survey
Gossan
Shear
Bedding
CP Chalcopyrite
MC Malachite
0 1 2km
SAN TELMO RESOURCES LTD.
THOR-MARMOT PROPERTY
OMINECA MINING DIVISION, B. C.
PROPERTY GEOLOGY
Date: July, 1998
Scale: 1:65000
Data By:
Drawn By: G. Allen
Figure: 4





HEM Anomaly Symbols:

Conductance >32 S ....

Conductance 16-32 S ...

Conductance 8-16 S ...

Conductance 2-8 S ...

Conductance 0-2 S ....

Negative Inphase .... ×

Anomaly Letter — In-Phase (ppm)

Depth (m) — Quadrature (ppm)

Notes:
Flight path derived from GPS.
Data levelled using base station.

Survey Specifications:
Aircraft: LongRanger - L1
EM System: Geotech Hummingbird 4 Frequency
Magnetometer: Cesium Vapour CS-2
Mag Sensitivity: 0.001 nT
Nominal Sample Interval: 3 metres (0.1 sec)
Terrain Clearance: 33 metres (100 ft)
Flight Line Spacing: 200 metres
Flight Line Direction: East-West

Contour interval: 20, 100 & 500 nT

scale 1:65,000

600 0 600 1200 1800
(meters)

San Telmo Resources Ltd.
British Columbia

TOTAL FIELD MAGNETICS
Kemess Block

NTS 94D/15

Flown and processed by
Geotech Ltd.
12-30 West Beaver Creek Road
Richmond Hill, Ont., L4B 3K1
March, 1997

Fig 5 July 1998

high magnetic susceptibility separated by northwest and northerly-trending linear magnetic lows. The magnetic highs are generally correlative with hill tops and mountain peaks, and most magnetic lows occur in or on the flanks of the valleys. These magnetic low features are probably faults, which have cut the Takla Group rocks into 1-2 kilometre wide blocks.

6.3 Mineralization

The Takla Group volcanic rocks are sporadically gossanous in zones up to 1 kilometre wide. These zones contain disseminated pyrite, are highly fractured, and appear to be related to fault zones. A few of these gossanous zones were investigated but to date, copper and gold grades have been found to be very low.

Takla Group rocks also host north to north-northeast trending gossanous shear zones up to 10 metres wide, commonly with quartz or quartz-carbonate vein cores. These veins range in width from a few centimetres to over 2 metres, and generally carry pyrite, chalcopyrite and varying amounts of gold up to over 100 grams per tonne. One of these structures has been traced for over a kilometre and was the target of much of the drilling in this program. Several of these northerly-trending veins/shears were investigated and sampled during this program and will be discussed in more detail in section 7.0.

One occurrence of copper-gold porphyry-type mineralization was discovered during this program in an altered granitic intrusion. It will be discussed in detail in section 7.4.

7.0 GEOLOGICAL MAPPING, ROCK SAMPLING, AND DIAMOND DRILLING

The 1998 exploration program on the Thor-Marmot property consisted of a small amount of geological mapping and rock sampling in mineralized areas, and diamond drilling. Areas of detailed mapping and drill hole locations are shown in Figure 3. Detailed geological maps are presented throughout section 7.0. A total of 15 rock samples were collected, descriptions of which are presented in Appendix 1. A total of 692.21 metres (2271 feet) of diamond drilling was completed in six holes, and 92 split core samples were sent to Acme Analytical Laboratories Ltd. of Vancouver for gold and ICP analyses. Diamond drill logs are located in Appendix 2, and summary logs in Appendix 3. Analytical results for all samples are presented in Appendix 4. A summary of drill hole survey data is presented below in Table 3.

Table 3

Diamond Drill Hole Data Summary

	Approximate NAD 83 UTM					
Drill Hole No.	Easting	Northing	Elevation (m)	Azimuth (°)	Dip (°)	Length (m)
Mar 98-01	645 470	6 291 230	1355	230	-47	136.25
Mar 98-02	644 440	6 301 555	1665	285	-50	90.53
Mar 98-03	644 321	6 301 608	1653	105	-51.5	105.77
Mar 98-04	644 170	6 301 000	1870	122	-47.5	69.80
Mar 98-05	644 170	6 301 000	1870	122	-62	56.08
Mar 98-06	643 700	6 300 600	1570	090	-50	233.78
					Total	692.21
						(2271.00 feet)

7.1 Diamond Drill Hole Mar 98-01

Mar 98-01 was drilled to test a 140°-striking elongated zone of high magnetic susceptibility on the Marmot 2 claim near the south end of the property (Figures 4 and 5). No outcrop was found in the anomalous zone although several exposures of poorly consolidated conglomerate with an attitude of approximately 150/23 NE occur southeast of the area (Figure 4). These rocks appear to strike into the anomalous area and in fact hole Mar 98-01 stayed in this unit for its entire length. A drill hole cross section is shown in Figure 6.

The rock intersected is a hematitic, poorly consolidated, matrix to clast-supported pebble to cobble conglomerate with minor coarse to fine-grained sandstone layers. Clasts are rounded, up to 10 centimetres in diameter, and consist of dark green plagioclase-augite porphyritic basalt, fine-grained crystalline mafic volcanic, lapilli tuff, and light grey volcanic sandstone of the Takla Group. Medium-grained hornblende quartz diorite is also a common constituent. This assemblage is typical of rocks exposed immediately to the east and north of the hole area. This conglomerate is clearly a member of the Sustut Group, and judging from the abundant clasts of Takla Group volcanic rocks, is probably of the lower Tango Creek Formation (Section 5.1).

It is interesting to note that a bed of sandstone between 129.88 and 131.48 metres appears to be graded from coarse to fine-grained down hole. It is possible that the rocks have been overturned, but it could also be reverse grading.

Clasts of Takla Group rocks are typically moderately to strongly magnetic and contain up to 5% disseminated magnetite. Magnetite appears to have been partially altered to hematite, giving the rock a mottled dull reddish colour throughout. The unit is magnetic enough to explain the magnetic anomaly, and no further work is recommended.

7.2 Asamera Zone B-North Area

The Zone B-North area, as defined by Asamera, is located on the Thor 3 claim near the north part of the property (Figures 3, 16). A 1:1000 scale geology map of the area is presented in Figure 7, and a diamond drill hole cross section in Figure 8.

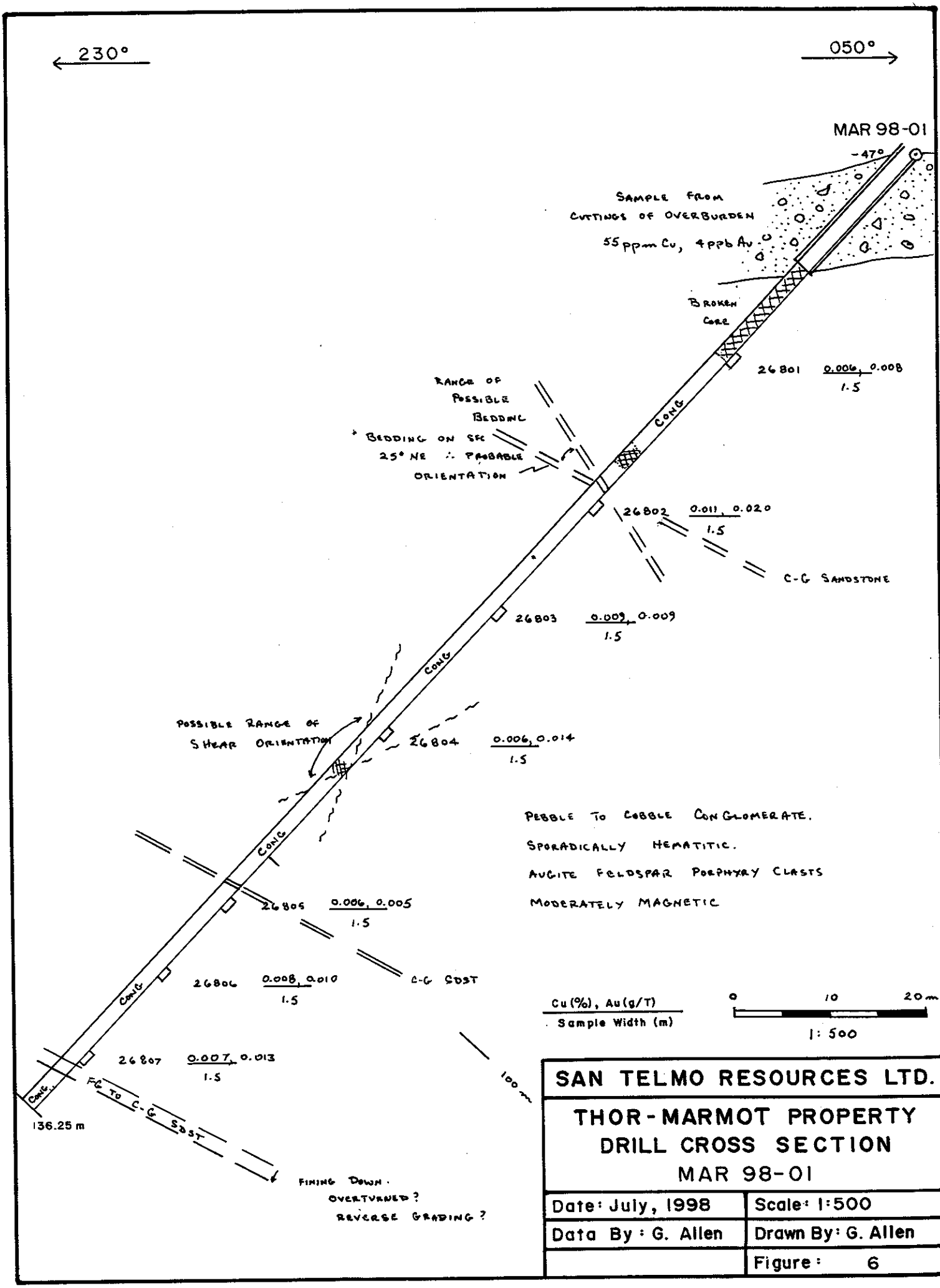
7.2.1 Geology and Rock Sampling of the Zone B-North Area

The area contains a strong gossan exposed for approximately 60 metres along the east side of a small creek. The rock is a shattered, limonitic, plagioclase-augite porphyry of the Takla Group, with sporadic zones of silicification and pyrite mineralization. Grab samples of this material collected by Asamera in 1988 contained up to 10.99 grams of gold per tonne (sample 519), and a few others contained over 1 gram of gold per tonne. On surface the zone appears to be several metres wide and to have a south-trending strike length of over 1 kilometre. It was considered to be a significant drill target.

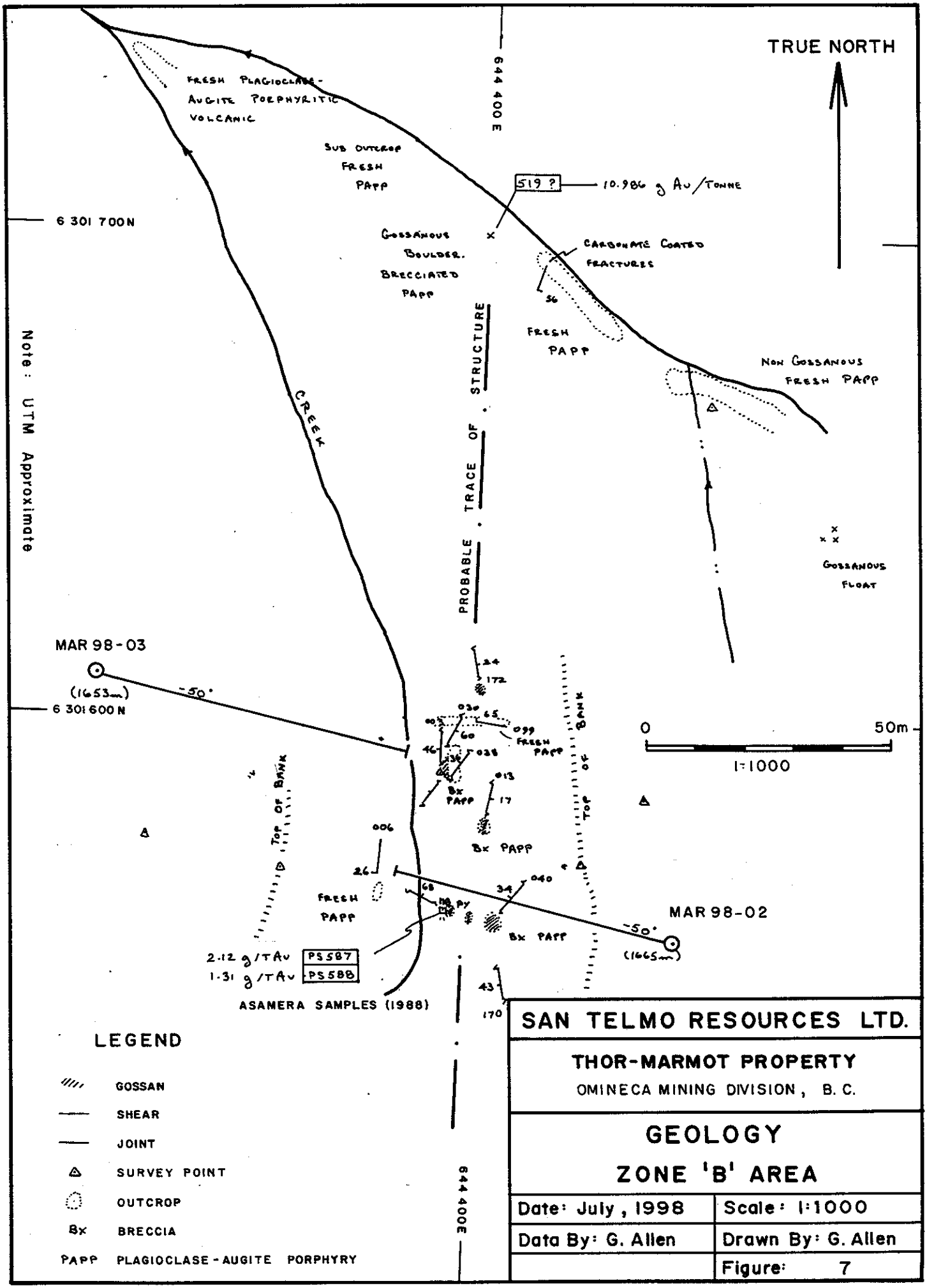
7.2.2 Diamond Drill Holes Mar 98-02 and Mar 98-03

The dip of the structure exposed on the creek bank was unclear, and two holes (Mar 98-02 and Mar 98-03) were drilled from opposite sides of the creek to be certain to intersect the zone.

Both holes intersected relatively fresh plagioclase-augite porphyry with weak epidote alteration. Traces of disseminated chalcopyrite occur sporadically in the fine-grained groundmass. One small interval between 40.0 and 40.4 metres (40 centimetres) in hole Mar 98-02 contained 20% quartz stringers with 10% pyrite and traces of chalcopyrite. Sample 26816 of this material



SAN TELMO RESOURCES LTD.	
THOR-MARMOT PROPERTY DRILL CROSS SECTION MAR 98-01	
Date: July, 1998	Scale: 1:500
Data By: G. Allen	Drawn By: G. Allen
	Figure: 6



SAN TELMO RESOURCES LTD.

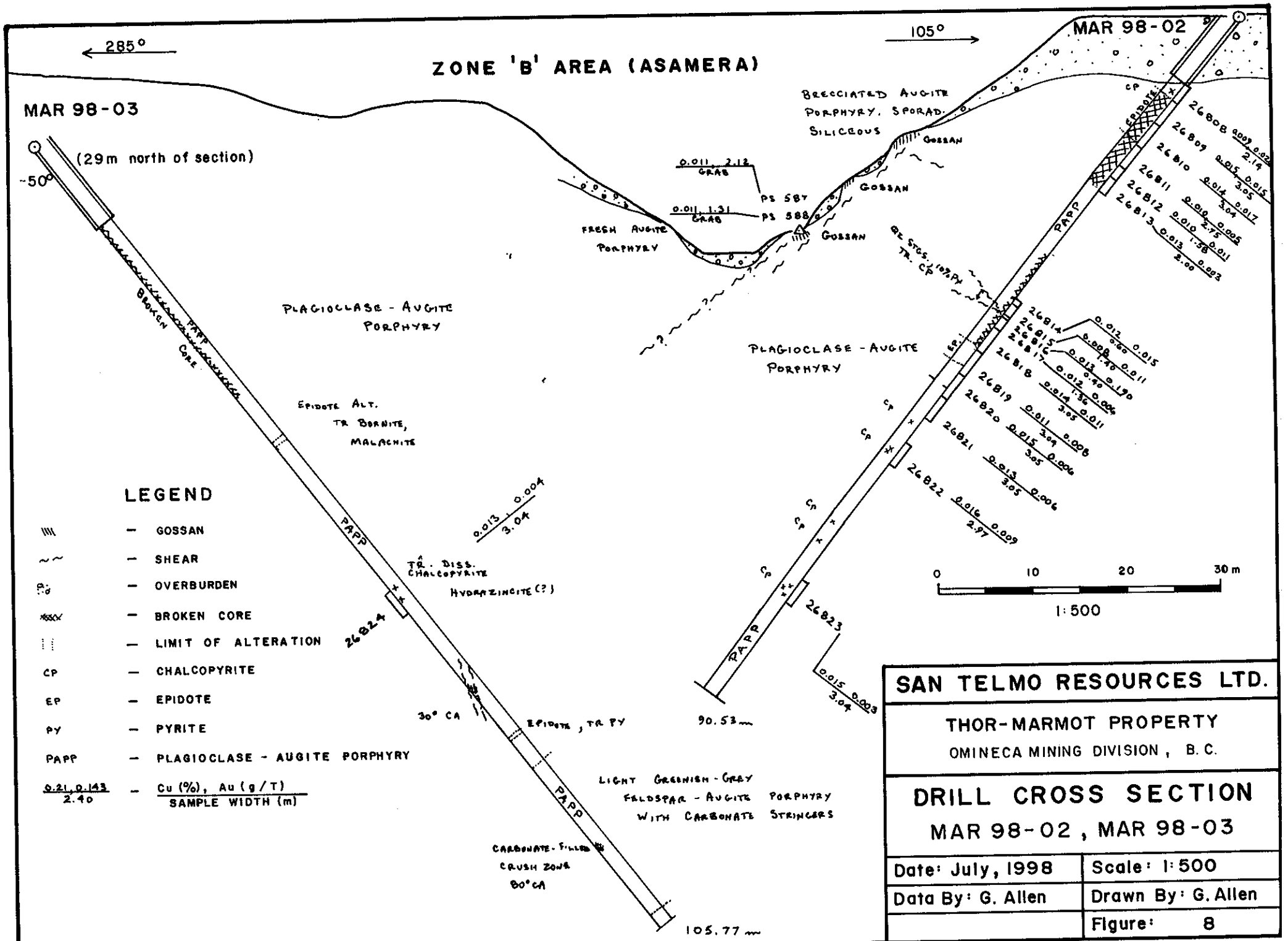
THOR-MARMOT PROPERTY

OMINECA MINING DIVISION, B. C.

GEOLOGY

ZONE 'B' AREA

Date: July, 1998	Scale: 1:1000
Data By: G. Allen	Drawn By: G. Allen
	Figure: 7



SAN TELMO RESOURCES LTD.

THOR-MARMOT PROPERTY

OMINECA MINING DIVISION, B.C.

DRILL CROSS SECTION

MAR 98-02, MAR 98-03

Date: July, 1998	Scale: 1:500
Data By: G. Allen	Drawn By: G. Allen
	Figure: 8

contained only weakly anomalous (190 ppb) amounts of gold. If this interval is the structure exposed in the creek, it appears to have a moderate easterly dip.

The structure does not have significant width where intersected and no further work is recommended.

7.3 Asamera Zone B-South Area (Ridge Top)

7.3.1 Geology and Rock Sampling of the Zone B-South Area

The structure drill-tested in hole Mar 98-02 appears to strike southerly from the exposure along the creek, passing through the saddle of the ridge (Figure 4). The structure is relatively well exposed on the steep north face of the ridge (Figure 9). It is a 4-8 metre wide, approximately 020°-striking and nearly vertically-dipping shear zone with 2 roughly 40 centimetre wide quartz veins along its margins. The veins are sporadically limonitic and commonly have strong malachite staining along fractures. The sheared host of the veins is a gossanous epidote(?)-altered plagioclase-augite porphyritic volcanic rock with a distinctive green-brown colour. Quartz stringers up to 2 centimetres wide and malachite staining are common throughout the zone. Host rock beyond the limits of the shear zone is a fresh plagioclase-augite phyric basalt.

Grab samples 15 and 16 of vein material collected by Asamera at or near the ridge-top contained 2.01% copper; 3.36 grams of gold per tonne, and 0.73% copper; 2.00 grams of gold per tonne respectively.

7.3.2 Diamond Drill Holes Mar 98-04 and Mar 98-05

Holes Mar 98-04 and Mar 98-05 were drilled from the same setup (Figure 10). Hole Mar 98-04, the shallower of the two, intersected highly fractured plagioclase-augite porphyry for much of its length. A zone between 42.10 and 54.65 metres had the distinctive greenish-brown colour noted in the shear zone on surface. It did not, however, contain significant stringer material or mineralization. Samples of this zone contained non-anomalous copper and gold values.

Hole Mar 98-05 did not reach its target depth due to drilling conditions.

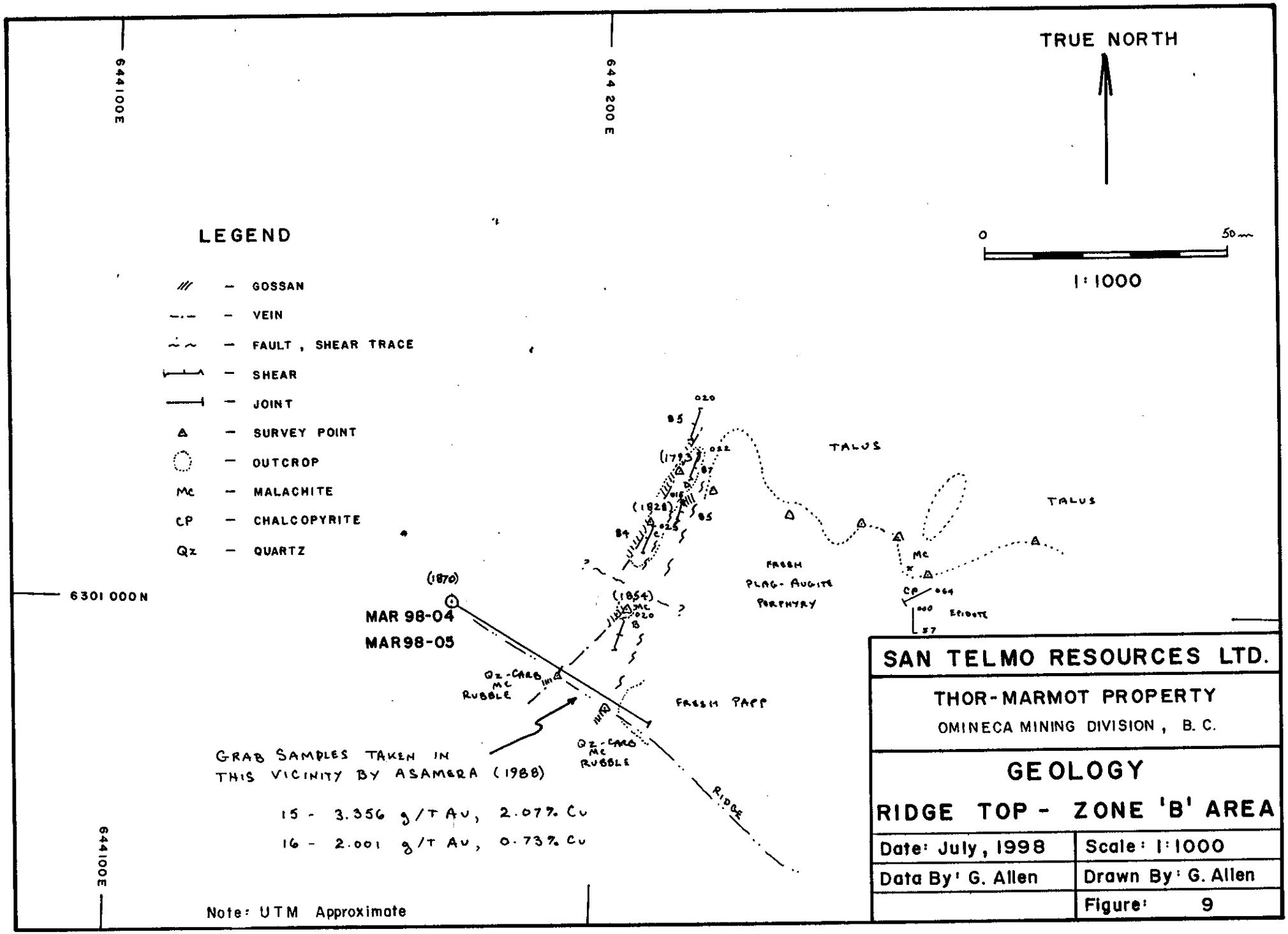
The structure does not appear to have continuity to depth, and no further work is recommended in the area.

7.4 Drill Hole Mar 98-06 (Cliffs) Area

A prominent cliff face of Takla Group volcanic rocks with a strong carbonate stockwork (Figures 4, 16) is located in the south part of the Thor 3 claim. Several north-trending shear zones with limonite and malachite cut this shattered rock. At the recommendation of J. McDougall , the last hole of the program was drilled beneath this zone in the hope of intersecting porphyry-type copper-gold mineralization.

7.4.1 Geology and Rock Sampling in the Mar 98-06 Area

Geology of the Mar 98-06 area is shown in Figure 11. The hole collared in a homogeneous, massive, altered granitic intrusion. It is a medium-grained, medium to dark greenish-grey sericite-chlorite (propylitic) altered feldspar-biotite(+?)-quartz porphyry. The rock consists of 35-40% <1-3 millimetre grey to green stubby to prism-shaped sericite-altered plagioclase, 15-20% euhedral pinkish feldspar (probably K-spar) to 2 millimetres, 7-10% <1 millimetre rounded quartz, and 10-



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THOR-MARMOT PROPERTY

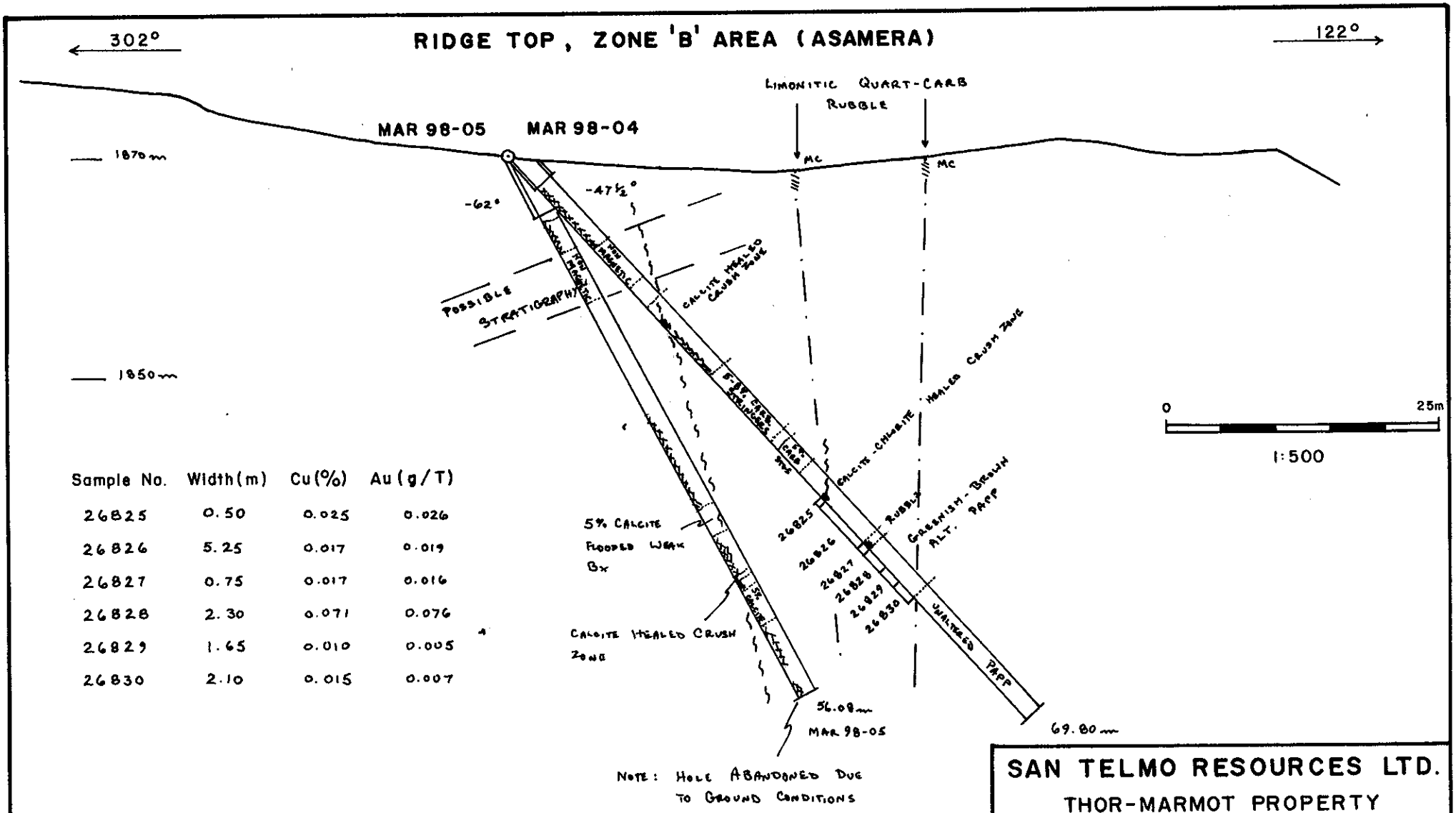
OMINECA MINING DIVISION , B. C.

GEOLOGY

RIDGE TOP - ZONE 'B' AREA

Date: July, 1998	Scale: 1:1000
Data By: G. Allen	Drawn By: G. Allen
	Figure: 9

RIDGE TOP, ZONE 'B' AREA (ASAMERA)



Sample No.	Width (m)	Cu (%)	Au (g/T)
26825	0.50	0.025	0.026
26826	5.25	0.017	0.019
26827	0.75	0.017	0.016
26828	2.30	0.071	0.076
26829	1.65	0.010	0.005
26830	2.10	0.015	0.007

NOTE: HOLE ABANDONED DUE TO GROUND CONDITIONS

PAPP - PLAGIOCLASE-AUGITE PORPHYRY

XXXX - BROKEN, BLOCKY CORE

\\\\\ - GOSSAN

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THOR-MARMOT PROPERTY

OMINECA MINING DIVISION, B.C.

ZONE 'B' AREA

DRILL CROSS SECTION

MAR 98-04, MAR 98-05

Date: July, 1998	Scale: 1:500
Data By: G. Allen	Drawn By: G. Allen
	Figure: 10

MAR 98-06

(El. 1570 m)

-50°

Qz FLOODED SHEAR

GRANODIORITE

GRANODIORITE

GRANODIORITE

643 800E

643 900E

644 000E

GRASSY SLOPE

D

6 300 600N

CLIFF

TOP OF

BLACK PAPP

A

DARK GREEN PAPP

SHATTERED PAPP

BIOTITE - FSP - QZ GRANODIORITE

GOSSANOUS RUBBLE

1cm Qz STG

PAPP?

INTRUSION?

TRUE NORTH

LARGE EXPOSURES (CLIFFS) OF SMASHED, CARBONATE - FLOODED PLAGIOCLASE - AUGITE PORPHYRY

TAKLA FORMATION VOLCANICS

6 300 500 N

PAPP

TR Diss. Py, CP

1cm Qz, Carb CP, Mc

Mc

Qz STG & Mc

093 CARB STGS

CARB STG

CARB

1cm Qz STG

GA109

CP, Bn, Mc

2m

0.16, 0.04

2.0

Mc ON FRACTURE SURFACE

HAIRLINE FRACTURES WITH Bn, CP, Mc 5-20 cm SEPARATION

PAPP

CARB & Mc

CROWDED F-G FSP-AUGITE PORPHYRY. EPIDOTE IN MASSES

DISSEM. CP & EPIDOTE IN TALUS

30 cm WIDE GOSSANOUS SHEAR WITH QUARTZ VEIN TO 10 cm. 1% TO 10%

0.04, >100.0

GA110

GRAB

GRAB

M TO C-G PAPP. AUGITE PHENOS TO 8 mm

F-G PAPP

1cm CARB. STG. EPIDOTE, Mc

PAPP

MASSIVE, FRESH PAPP

Mc IN TALUS

F-G PAPP

Mc

TALUS

APPROXIMATE BASE OF CLIFF?

LEGEND

- GOSSAN
- VEIN TRACE
- SHEAR
- VEIN OR STRINGER
- OUTCROP
- GEOLOGIC CONTACT
- GA109 SAMPLE FOR ASSAY — Cu (%), Au (g/T) / Sample Width (m)
- Bn BORNITE
- CP CHALCOPYRITE
- EP EPIDOTE
- MC MALACHITE
- PY PYRITE
- QZ QUARTZ
- STG STRINGER
- CARB CARBONATE
- PAPP PLAGIOCLASE - AUGITE PORPHYRY

6 300 500 N

6 300 400 N

643 700E

643 800 E

643 900E

0 50 m

1:1000

Note: UTM Approximate

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THOR-MARMOT PROPERTY

OMINECA MINING DIVISION, B. C.

GEOLOGY

MAR 98 - 06 AREA

Date: July, 1998	Scale: 1:1000
Data By: G Allen	Drawn By: G. Allen
	Figure: 11

15% mafic minerals occurring as anhedral chloritic clots (altered hornblende?) and euhedral hexagonal books of chlorite-altered biotite up to 5 millimetres in diameter (average 1-2 millimetres). Also present are 1-2% disseminated magnetite (partially altered to hematite) and traces of pyrite. This rock was given the field-term of granodiorite, but its true geochemistry is not known.

The granodiorite is in contact with plagioclase-augite porphyritic basalt to the east. This volcanic rock has been shattered and flooded with carbonate (and zeolite?), forming a dense stockwork of veins and stringers generally less than 5 centimetres wide. These carbonate stringers are generally barren. Although from a distance the rock in the cliffs appears to be altered, where observed near drill hole Mar 98-06 it was found to be relatively fresh between the stringers. The alteration and stockwork may intensify to the southeast. Falconbridge conducted some work in the cliffs area (at that time named the 'Golf' zone), and noted that the volcanic rocks were intensely zeolitized in the areas with stronger stockwork (Lehtinen, 1984).

Copper mineralization in the fractured volcanic rocks is associated with two main sets of fractures. A southeast-trending (115-155°) moderately to steeply (55-75°) northeast-dipping fracture set is commonly stained with malachite, and hosts 1-2 millimetre quartz +/- carbonate stringers with traces of pyrite, chalcopyrite, and rarely bornite. Very little shearing is associated with these structures. Sample GA-109 (Figure 11) was taken across 2 metres of rock where mineralized fractures and small stringers had an approximate 20 centimetre separation. This sample contained 0.157% copper and 0.040 grams of gold per tonne.

A second set of mineralized structures strike northerly and dip from steeply westward, to vertical, to moderately eastward. These shear zones are typically 0.5 to 2 metres wide, are strongly limonitic, and contain quartz +/- carbonate vein cores up to 0.5 metres wide. Mineralization in the veins ranges from 1-10% fine-grained pyrite, to 50% combined pyrite and chalcopyrite in masses to 1 centimetre. The shear zone tested with drill holes Mar 98-02 through Mar 98-04 belongs to this set of structures. Separation on these structures is approximately 100 metres or more. A grab sample (GA-110) of a 5-10 centimetre wide pyritic quartz vein in a 40 centimetre wide shear zone (006/53 SE), approximately 360 metres east-southeast of the collar of Mar 98-06, contained 114.8 grams of gold per tonne (3.35 ounces per ton) and 0.043% copper (Figure 11).

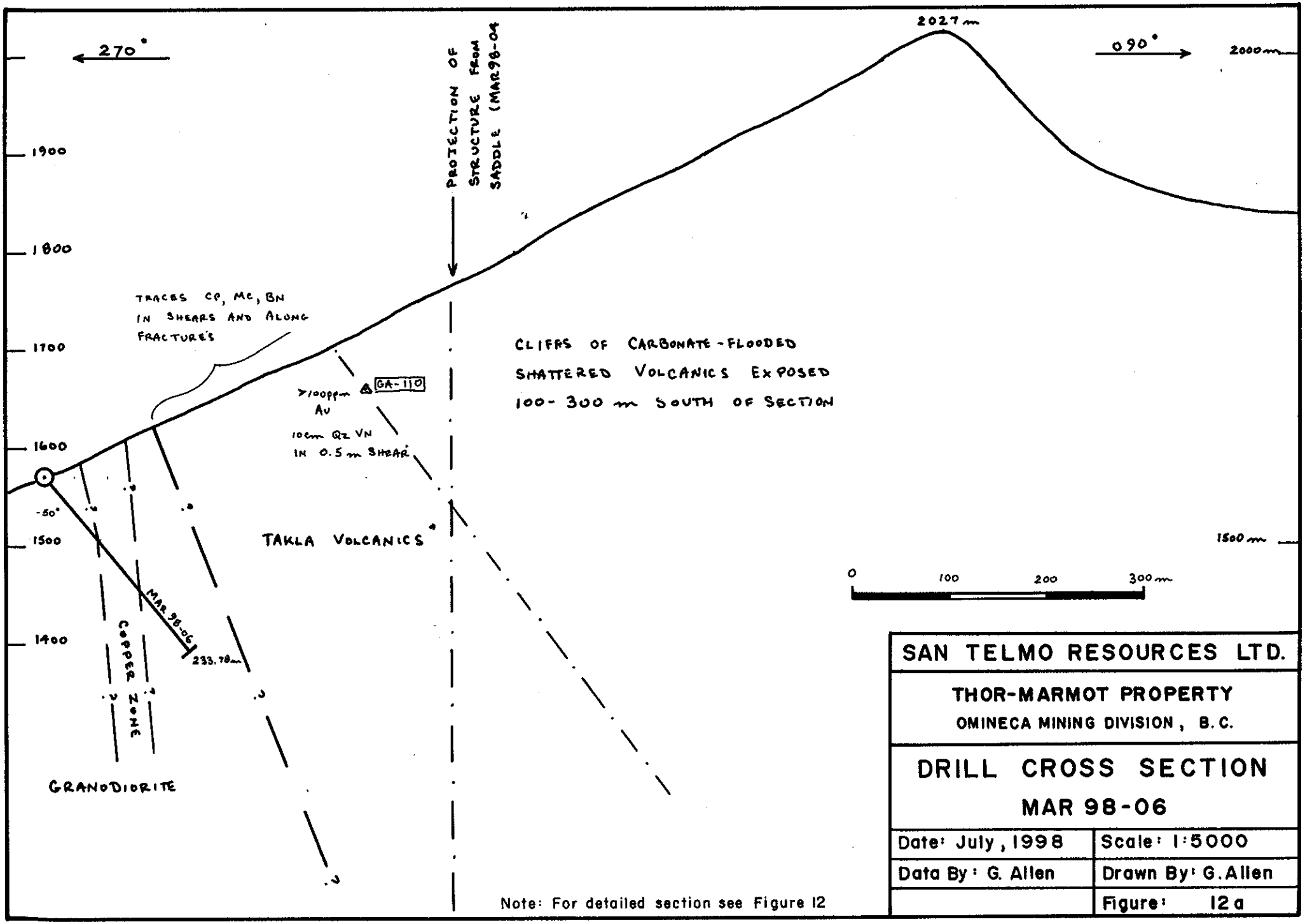
7.4.2 Diamond Drill Hole Mar 98-06

Cross sections of drill hole Mar 98-06 are presented in Figures 12 (1:500; in pocket) and 12a (1:5000).

The hole intersected a medium-grained granodiorite(?) for its entire length except for a few 1-2 metre wide diabase dykes. At the top of the hole the rock has a medium to dark green colour due to homogeneous pervasive sericitic or propylitic alteration. The rock is as described in section 7.4.1 except that no pink potassic feldspar was noted in the upper part of the hole. Pervasive propylitic alteration extends to a depth of 174.3 metres. Below this depth the rock is sporadically fresh with a mix of cream-coloured plagioclase and pink-coloured potassic feldspar. Only approximately 40% of the rock is propylitically altered, generally adjacent to shear and fracture zones.

Above 174.3 metres the rock is sporadically fractured and crushed in zones to 20 metres long. Shearing within the crush zones is generally at a low angle (5-20°) to the core axis.

Between 62.0 and 81.65 metres the rock contains up to 4% (average < 1%) disseminated pyrite. Between 86.60 and 146.84 metres the rock contains an increased hematite content and corresponding sporadic disseminated chalcopyrite and bornite mineralization. Chalcopyrite, bornite, chalcocite, and rare native copper also occur in and adjacent to 1-2 centimetre wide quartz stringers. These stringers are generally at approximately 40-50° to the core axis



SAN TELMO RESOURCES LTD.	
THOR-MARMOT PROPERTY OMINECA MINING DIVISION, B.C.	
DRILL CROSS SECTION MAR 98-06	
Date: July, 1998	Scale: 1:5000
Data By: G. Allen	Drawn By: G. Allen
	Figure: 12a

suggesting that they are near vertical, and unrelated to much of the shearing which has a distinctly different orientation. The grade of the rock in this interval is 0.112% copper and 0.041 grams gold per tonne across 60.24 metres (probably approximately 38 metres true width). Within this zone is an interval with 0.163% copper and 0.054 grams gold per tonne across 33.14 metres. One 2.19 metre interval contained 0.561% copper and 0.303 grams of gold per tonne.

Copper mineralization (chalcopyrite, chalcocite) also occurs sporadically between 209.47 and 233.78 metres (end of hole) both disseminated in zones of shearing and propylitic alteration, and in rare quartz stringers within these zones.

Drilling was terminated due to a lack of drill rods.

7.5 Gossan South of Thorne Creek

A gossan occurs on the south side of Thorne Creek near the southeast corner of the Thor 8 claim (Figure 4), on a steep north-facing hillside. The area was mapped at a scale of 1:2000 (Figure 13) and a few rock samples collected.

Plagioclase-augite phyric and coarse-grained feldspar phyric volcanic rocks of the Takla Group underlie the area. These units have been cut by a fresh hornblende-feldspar porphyry dyke or plug, which appears to be unrelated to the gossan.

The gossan is approximately 50 to 100 metres wide and trends at roughly 150 to 330° obliquely across the hillside. Three rough sets of shearing were measured in the zone:

140 - 150° / 56 -90° NE
085 - 115° / 40 - 70°N
148° / 77° SW

An overall orientation of the zone, however, is difficult to determine. The zone may be related to and east-southeast – trending fault zone interpreted from the magnetic survey (Figures 4 and 5).

Lithology of the gossan is a highly fractured, strongly limonitic plagioclase-augite porphyry with up to 7-8% fine-grained disseminated pyrite and rare chalcopyrite. Silicification is not common. Several chip samples were collected from various locations within the gossan (Figure 13). None had significant copper or gold contents.

Four cross sections (Figures 14a through 14d) were constructed in case follow-up drilling was warranted. Given the low gold content of the material, however, drilling is not recommended.

7.6 Gossan East of Thor 2 Claim

A strong gossan is located on a west-facing cliff approximately 700 metres east of the Thor 2 claim (Figure 15 area on Figure 3).

The area is underlain by plagioclase-augite porphyritic basalt flows and minor volcanicalstic rocks of the Takla Group (Figure 15). Rock in the mapped area is generally fresh. At least three gossanous shear zones up to 2 metres wide cut the volcanic rocks at 75 to 100 metre intervals. As in the B Zone and Mar 98-06 areas, approximately 3.5 kilometres to the northwest, two of these shear zones strike northward (350 - 008°) and dip steeply to moderately to the east. Only float from the third zone was observed. These shears have quartz-carbonate vein cores up to 1.5 metres wide, commonly mineralized with pyrite and chalcopyrite. Four samples (GA-101 to 103, GA-111) were taken. All had anomalous levels of copper (up to greater than 10%) and gold (up

645 600 E

645 800 E

646 000 E

TRUE NORTH

POND (1500)

6 296 200 N

C

B

A

D

Δ 'G' (1510)

~ BASE OF SLOPE

356°

005°

038°

015°

SILT THOR-1 (LOCATION APPROX.)

101 ppm Cu, 15 ppb Au

Δ 'F' (1559)

TALUS

POSSIBLE LIMIT OF MINERALIZATION

6 296 000 N

0.033, 0.131 / GRAB

0.011, 0.040 / GRAB

JM 101, 102 / GRABS

(1626) PY, CP, MC

FRESH C-G PLAGIOCLASE-AUGITE PORPHYRY

(1666)

7-8% DISS PY

0.024, 0.013 / GRAB

GA 108 / GRAB

(1686)

(1696)

GA 107 / 2

0.014, 0.013 / 2.0

GA 106

0.015, 0.018 / 7.0

GA 105 / 6

0.017, 0.016 / 6.0

(1720) PY

(1727)

AMYGDALOIDAL PAPP

FRESH FSP PPY

(1746)

GA 104 / 1

0.013, 0.029 / 1.0

TOP OF BANK

NON SIL. F-G PAPP

(1679)

FRESH Hb-FSP INTRUSIONS

326-1

(1717)

(1736)

M-G FSP PPY ± MAG

F-G PAPP

F-TO M-G PAPP

NON SILICEOUS PAPP (1695)

(1763)

(1698)

NON-SIL APHANITIC VOLCANIC

SILICIFIED, WITH QUARTZ STRINGERS

(1677) WAY POINT 3 POSSIBLE PAD

6 295 800 N

218°

TOP OF SLOPE

(1797)

(1803)

(1807)

(1805)

SADDLE

(1801) POSSIBLE PAD

K Δ POSSIBLE PAD (1799)

195°

185°

176°

A1

B1

C1

LEGEND

- GOSSAN
- LIMIT OF GOSSAN
- LITHOLOGIC CONTACT
- FAULT
- SURFICIAL FEATURE
- OUTCROP
- SHEAR
- GA 104 — SAMPLE FOR ASSAY — Cu (%), Au (g/T) / Sample Width (m)
- (Elevation – m) (1807)Δ — SURVEY STATION
- FIELD NOTE LOCATION
- SIL — SILICEOUS
- FSP — FELDSPAR
- PPY — PORPHYRY
- CP — CHALCOPYRITE
- PY — PYRITE
- MC — MALACHITE
- PAPP — PLAGIOCLASE - AUGITE PORPHYRY
- M-G — MEDIUM-GRAINED

NOTE : UTM APPROXIMATE

0 20 40 60 80 100 120m

1:2000

SAN TELMO RESOURCES LTD.

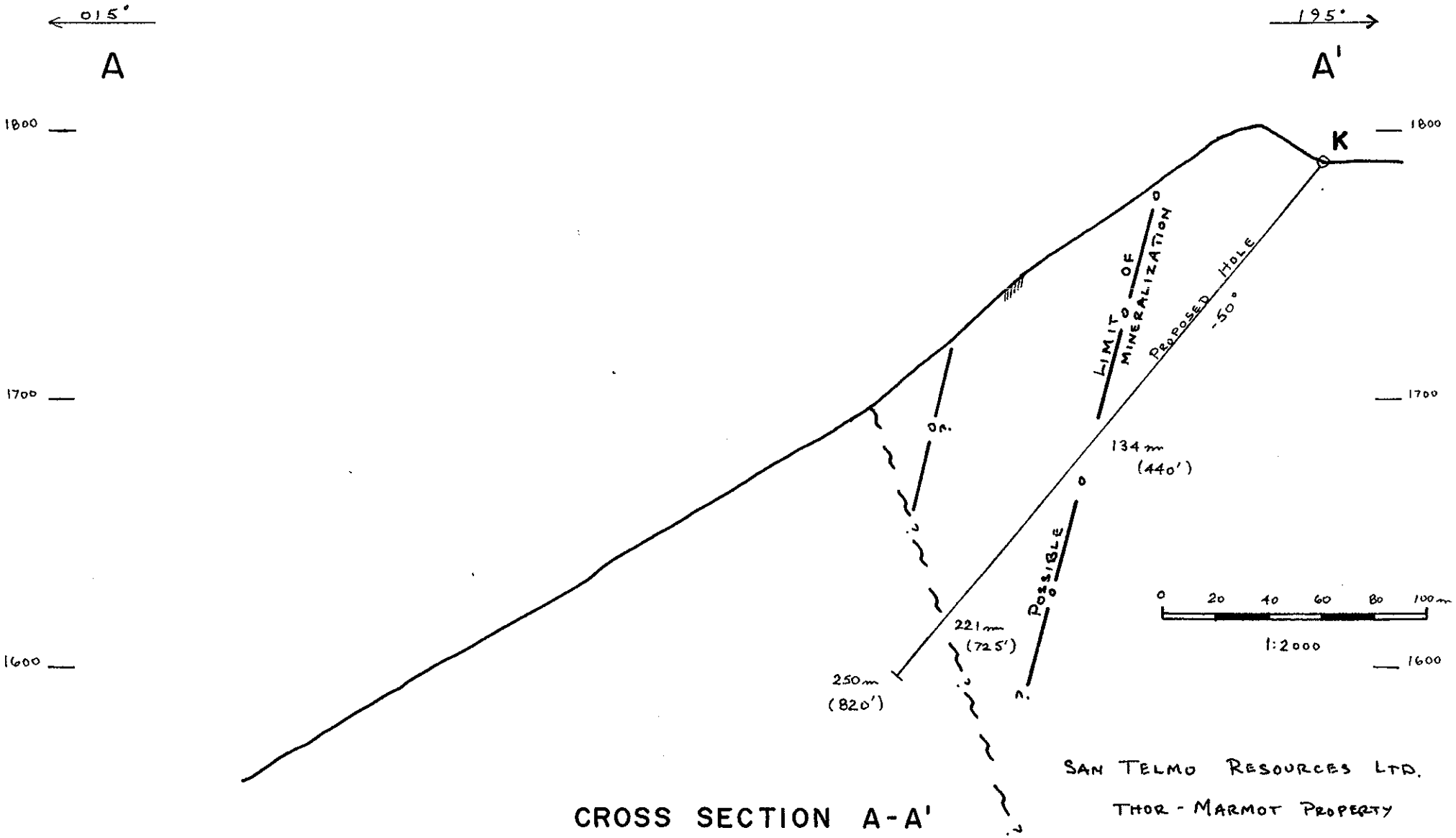
THOR-MARMOT PROPERTY

OMINECA MINING DIVISION, B. C.

GEOLOGY

GOSSAN SOUTH OF THORNE CREEK

Date: July, 1998	Scale: 1:2000
Data By: G. Allen	Drawn By: G. Allen
	Figure: 13



CROSS SECTION A-A'

SAN TELMO RESOURCES LTD.

THOR - MARMOT PROPERTY

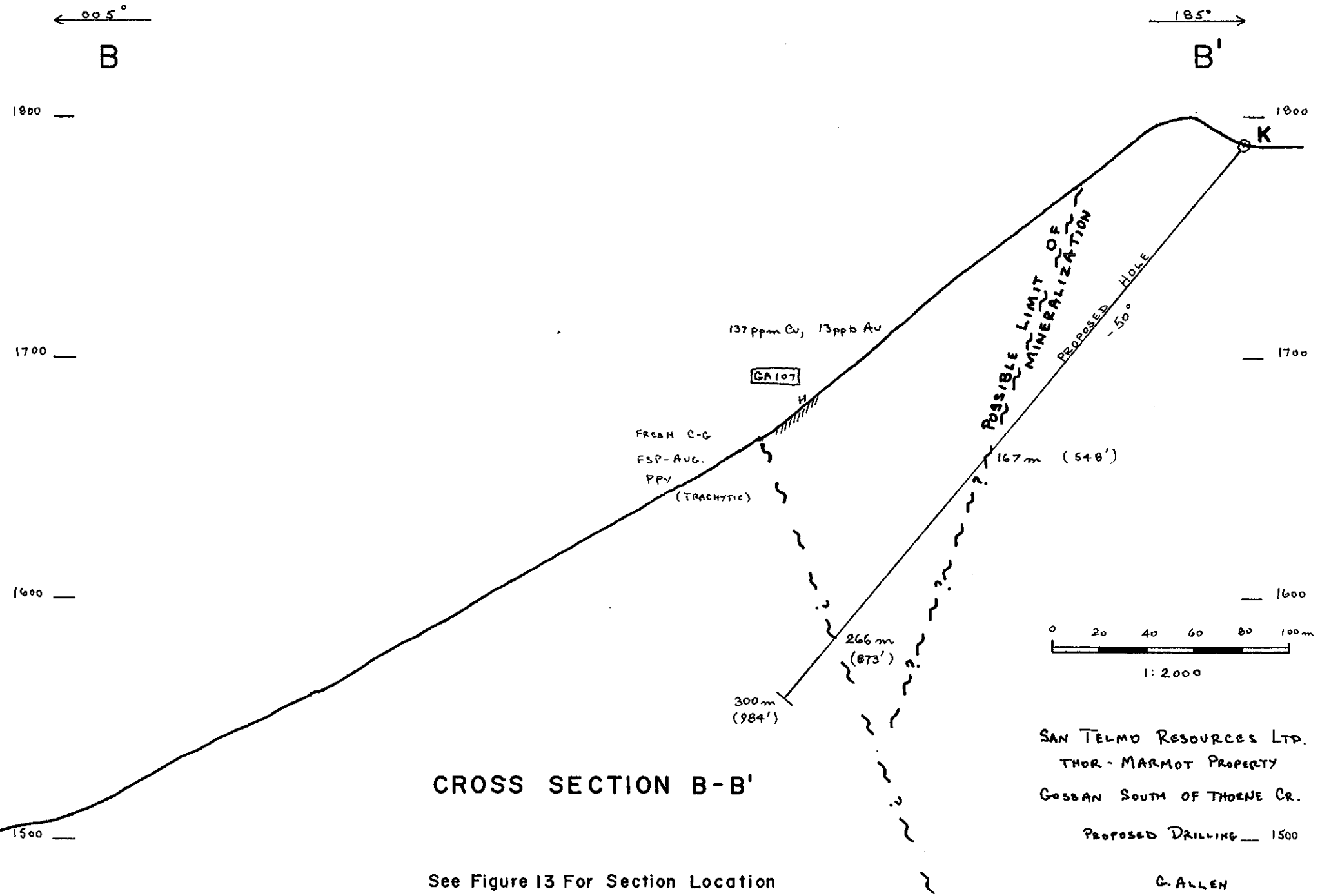
GOSSAN ON SOUTH SIDE THORNE CR

PROPOSED DRILLING

See Figure 13 For Section Location

Figure 14a

G. ALLEN
JUNE 27, '98



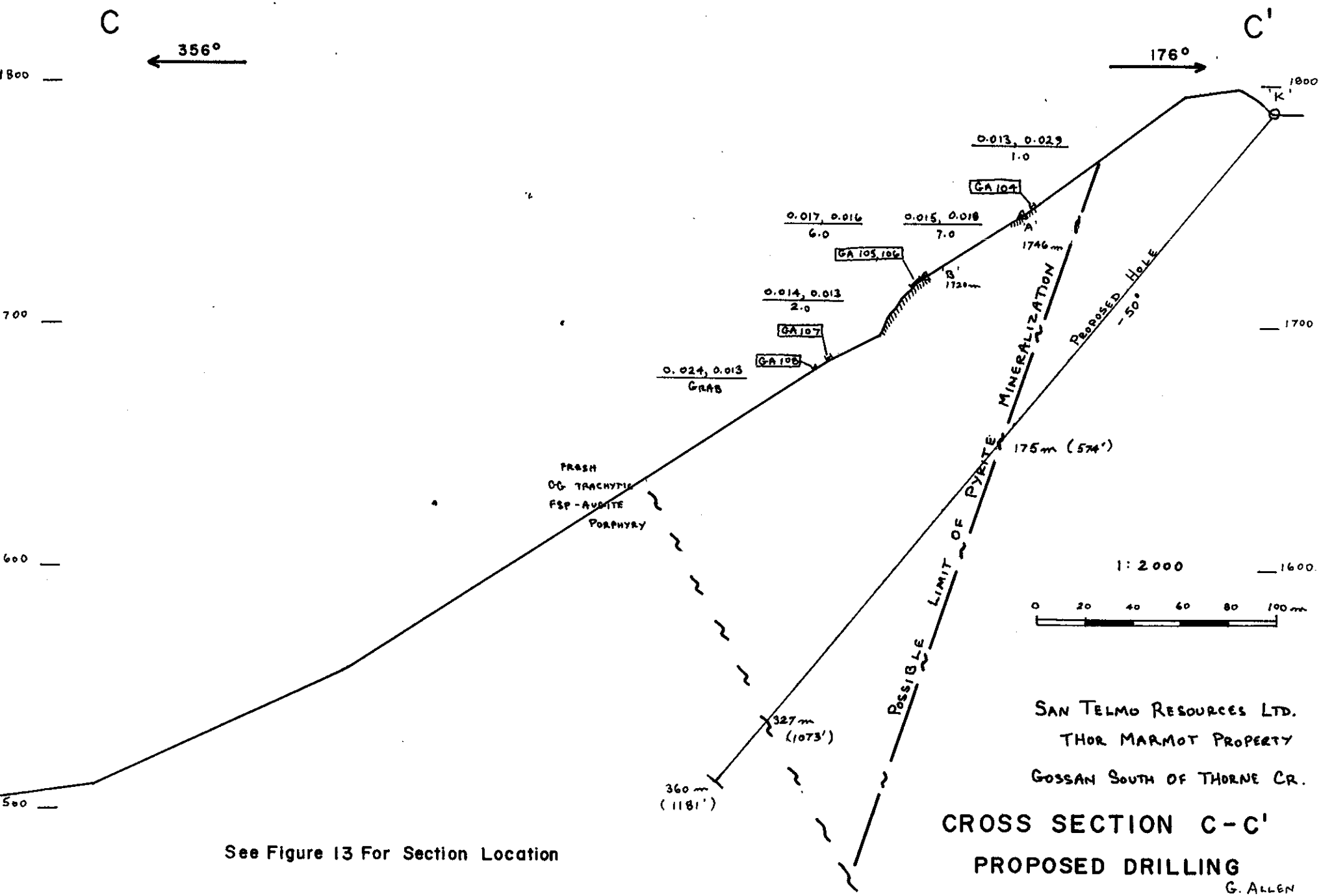
CROSS SECTION B-B'

See Figure 13 For Section Location

SAN TELMO RESOURCES LTD.
THOR - MARMOT PROPERTY
GOSSAN SOUTH OF THORNE CR.
PROPOSED DRILLING

C. ALLEN
JUNE 27 1988

Figure 14b



See Figure 13 For Section Location

SAN TELMO RESOURCES LTD.

THOR MARMOT PROPERTY

GOSSAN SOUTH OF THORNE CR.

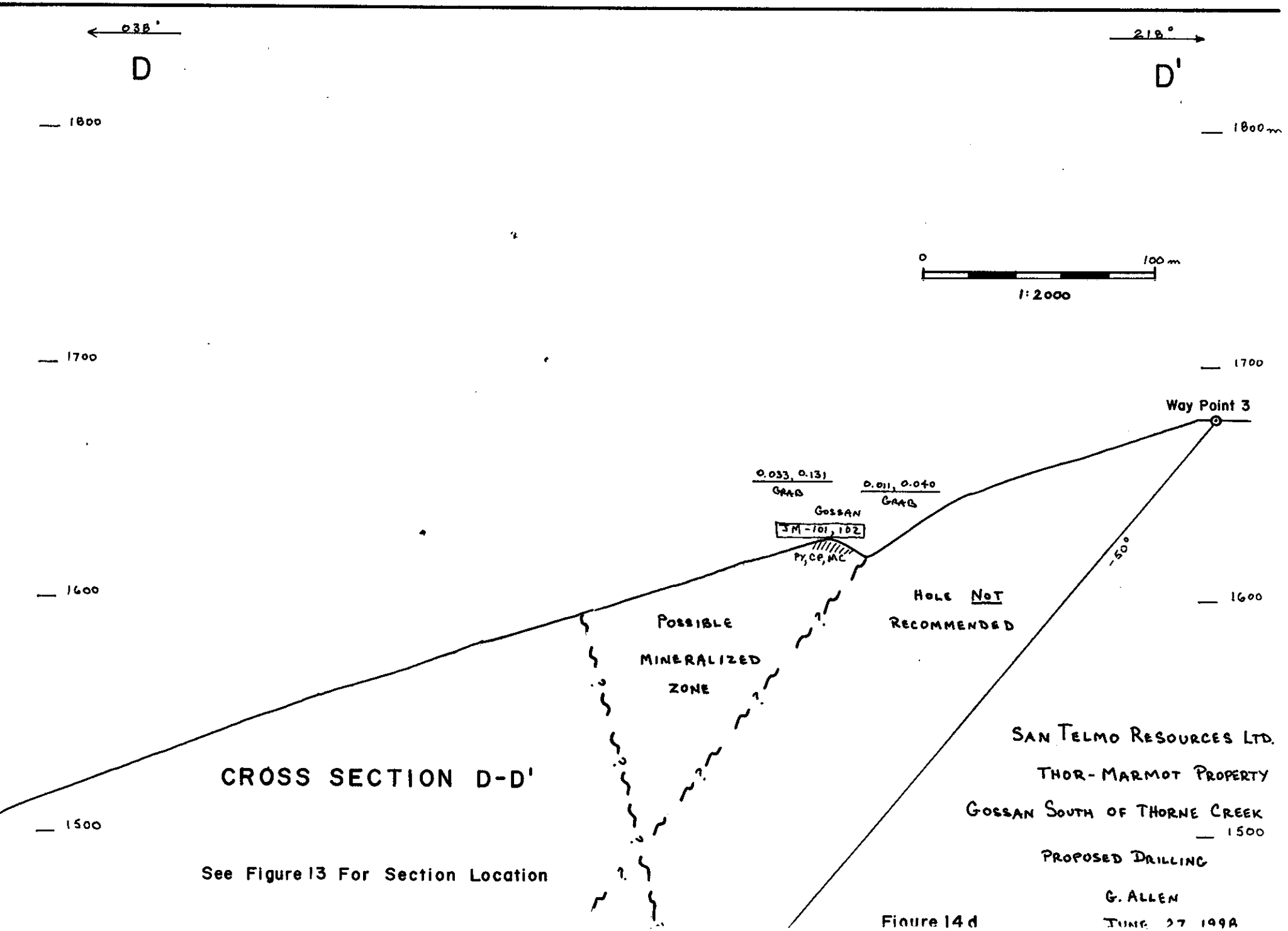
CROSS SECTION C-C'

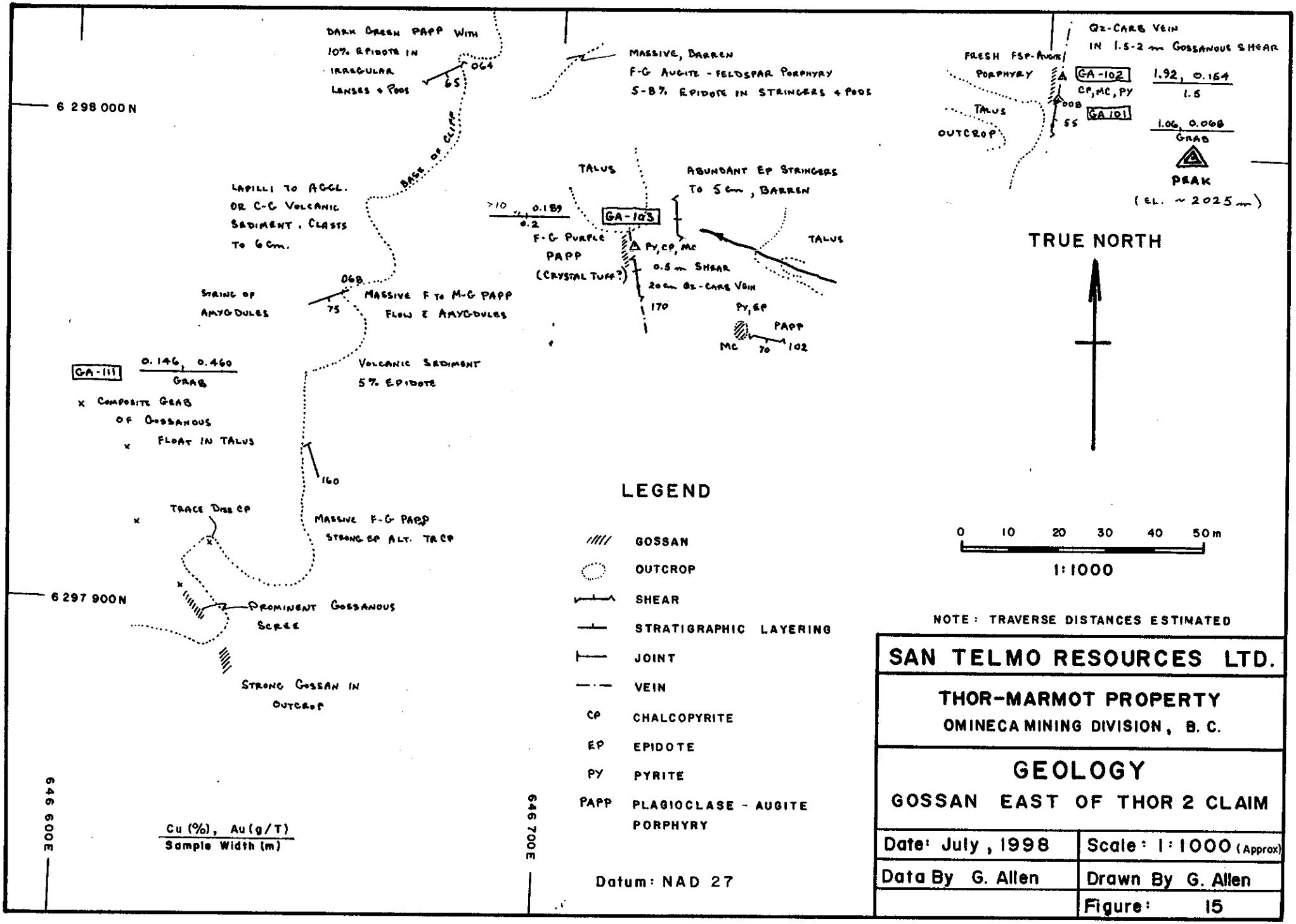
PROPOSED DRILLING

Figure 14c

G. ALLEN

JUNE 27/90


038°
D
218°
D'
1800
1800 m
0
100 m
1:2000
1700
1700
Way Point 3
0.033, 0.131
GRAB
0.011, 0.040
GRAB
GOSSAN
3M-101, 102
Py, Ce, MC
-50°
1600
1600
HOLE NOT
RECOMMENDED
POSSIBLE
MINERALIZED
ZONE
1500
1500
CROSS SECTION D-D'
See Figure 13 For Section Location
SAN TELMO RESOURCES LTD.
THOR-MARMOT PROPERTY
GOSSAN SOUTH OF THORNE CREEK
PROPOSED DRILLING
G. ALLEN
JUNE 27 1988
Figure 14d



SAN TELMO RESOURCES LTD.

THOR-MARMOT PROPERTY

OMINECA MINING DIVISION, B. C.

GEOLOGY

GOSSAN EAST OF THOR 2 CLAIM

Date: July, 1998	Scale: 1:1000 (Approx)
Data By G. Allen	Drawn By G. Allen
	Figure: 15

to 0.460 grams per tonne). Host rocks between the shear zones, however, are unmineralized and no further work is recommended for the area.

8.0 SOIL GEOCHEMISTRY

In late July, a total of 86 soil samples were collected along approximately 5.5 kilometres of the western boundaries of the Thor 2, 3, and 12 claims, and from a 1 kilometre long contour line run along the base of the slope below drill hole Mar 98-06 (Figure 16).

Samples collected along the western Thor 2, 3, and 12 claim lines are presumed to be underlain by clastic sedimentary rocks of the Sustut Group. No significant copper or gold anomalies were defined.

Soil samples collected from along 650 metres of the base of the cliffs southeast of Mar 98-06 contained consistently moderately anomalous levels of copper (200 – 500 ppm) and weakly anomalous levels of gold (20 – 80 ppb). The cliffs consist of shattered basalt cut by a carbonate stockwork. Copper and gold mineralization is common and widespread in these rocks, both along hairline fractures and in 0.5 – 2.0 metre wide north-south trending shear zones and associated quartz-carbonate veins. The porphyry-type copper-gold mineralization intersected in drill hole Mar 98-06 is also postulated to trend along the base of the cliff. The copper in the soils below the cliffs may only be related to the widespread mineralized shears since the porphyry-type copper mineralization is probably covered by a thick layer of talus in this area.

Soil samples collected from beyond (northwest of) the cliffs area did not contain anomalous levels of copper or gold, even though the postulated northwest projection of the porphyry copper zone is 150 – 200 metres up hill from this part of the contour line. Again, dispersion of metals from the zone may be masked by talus.

Results of the survey indicate that soil geochemistry appears to be a valid exploration tool for this area. An extensive grid of soil sampling is recommended.

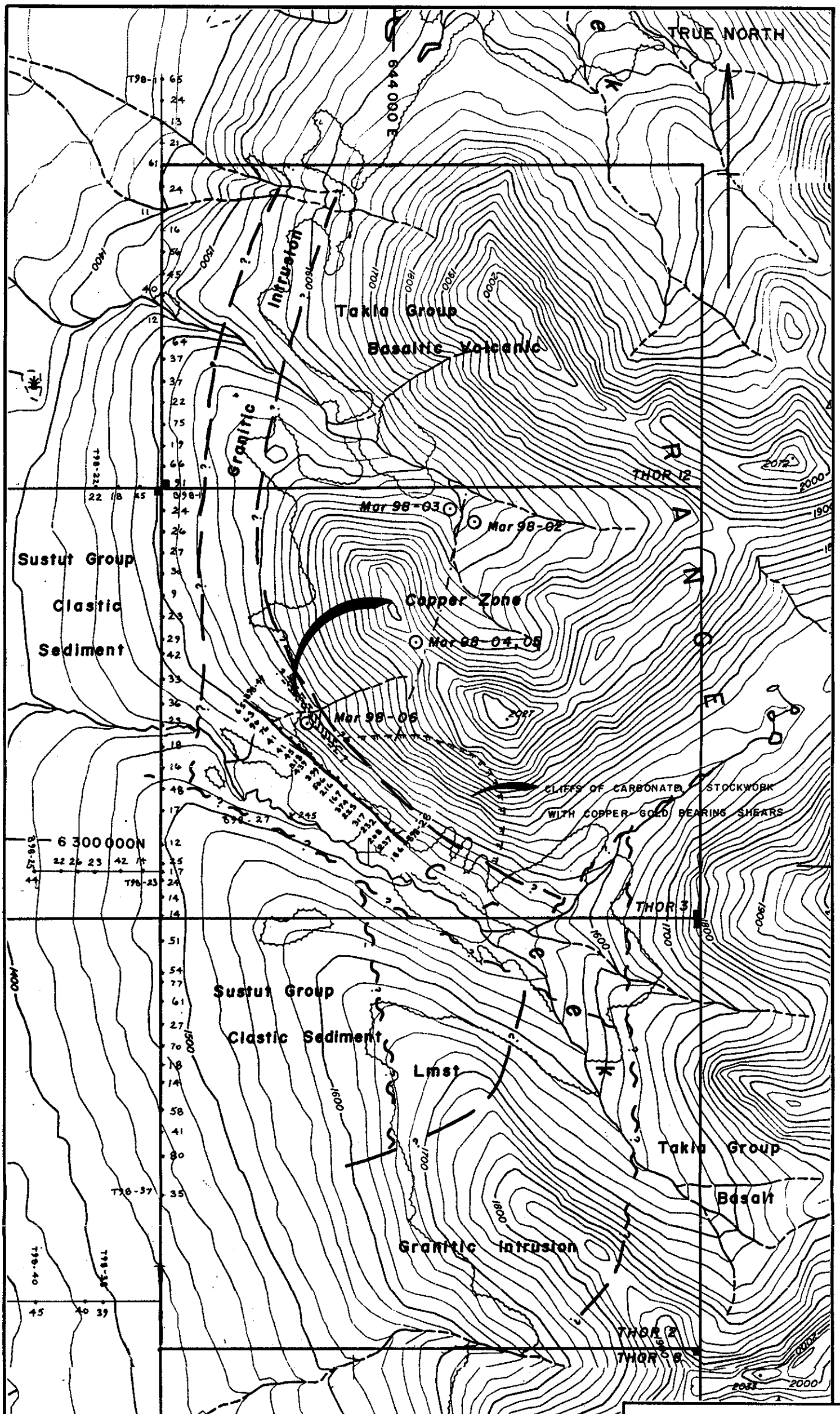
9.0 CONCLUSIONS

The Thor-Marmot property has four types of mineralization:

1. Volcanic-hosted zones of disseminated pyrite forming large gossanous zones up to 1 kilometre across
2. Northerly-trending shear zones and quartz-carbonate veins up to 2 metres wide with sporadic high copper and gold values
3. Volcanic-hosted chalcopyrite and rare bornite-bearing small (1-2 millimetre) northwest-trending fractures and stringers
4. Porphyry-type copper-gold mineralization in propylitic altered granodiorite.

Potential exists for the Sustut Group clastic sedimentary rocks to host paleoplacer deposits, but exposure of this group is poor and no such mineralization has yet been located near the Thor-Marmot property.

To date, pyritic zones in volcanic rocks have not been found to contain significant gold or copper content. The north-trending shears are locally well mineralized and contain high-grade copper and /or gold across narrow widths. Mineralization within these shears, however, is sporadic. The



SAN TELMO RESOURCES LTD.	
THOR-MARMOT PROPERTY OMINECA MINING DIVISION, B.C.	
SOIL GEOCHEMISTRY PPM COPPER	
Date: July, 1998	Scale: 1:20 000
Data By: B.Hobson	Drawn By: G. Allen
	Figure: 16

1-2 millimetre, closely-spaced northwest-trending chalcopyrite and bornite-bearing fractures and stringers in volcanic rocks in the Mar 98-06 area have limited potential of making ore, although fracture density and grades could be higher in other areas.

The best exploration target identified on the property to date is the granodiorite-hosted porphyry-type copper-gold mineralization intersected in hole Mar 98-06. Copper and gold-bearing shear zones in the adjacent volcanic rocks are probably genetically related to emplacement of the granitic intrusions. These shears are wide-spread suggesting that related porphyry-type mineralization in the underlying or adjacent intrusions could be equally extensive.

The granitic rock in the Mar 98-06 area is probably part of the Black Lake intrusive suite, and related to the Kemess stock which hosts the Kemess copper-gold porphyry deposit some 20 kilometres to the north. The host rock, mineralization (except for bornite), alteration, fracturing, and quartz stringers intersected in hole Mar 98-06 are similar to the Kemess deposit as described in section 4.2.1. Bornite is a typical constituent of other porphyry copper-gold ore bodies in the region, such as at the Red Chris deposit near Iskut.

With only one hole into mineralization, and virtually no detailed mapping in the discovery area, the nature and extent of the zone is unknown. An exploration program designed to trace the known mineralized zone and to identify other such zones in the largely unexposed granitic intrusions in the area is warranted.

10.0 RECOMMENDATIONS

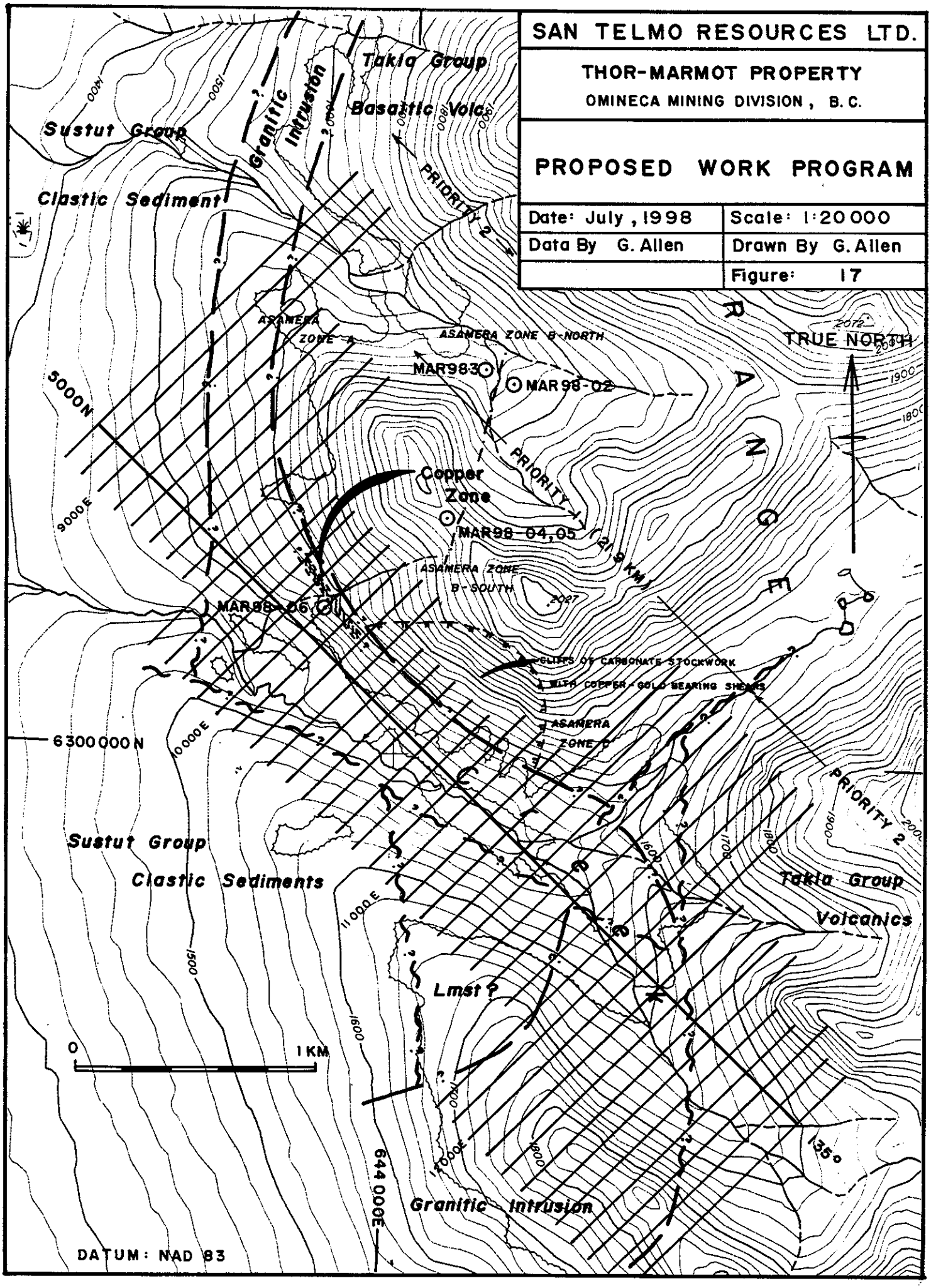
10.1 Recommended Work Program

A two-phase program of mapping, soil sampling, geophysics (IP, Mag, VLF) and diamond drilling is recommended to trace the mineralized zone intersected in hole Mar 98-06, and to locate other similar zones.

A recommended priority-1 grid with a 2 kilometre long 135°-striking baseline and 22 kilometres of 100 metre-spaced cross lines is presented in Figure 17. This grid will cover the known copper mineralized zone intersected in Mar 98-06 and the postulated limits of the granodiorite intrusion for 2 kilometres along strike. A priority 2 grid extension with an additional 30 kilometres of cross lines would extend coverage of the intrusive body to a total of 4 kilometres along strike. In phase 1 of the program, the grid would be mapped, soil samples collected at 50 metre intervals, and IP, magnetic, and VLF-EM surveys conducted. Approximately 2 weeks to 1 month would be required to assess the results of the phase 1 program.

A phase 2 program would consist of 3000 metres of diamond drilling. Recommended drilling would start with a hole beneath Mar 98-06 to determine dip and vertical continuity of the mineralized zone, and 50 – 100 metre step-out drilling to determine a strike direction. Once the orientation of the mineralized zone is determined, drilling along strike at 100 to 200 metre intervals would give a quick indication of size potential of the zone. Of particular interest is the granodiorite body adjacent to and beneath the cliffs of Takla volcanic rocks with the dense carbonate stockwork (Figure 17).

Drill targets would in a large part be contingent on results of the geophysical and geochemical surveys.


SAN TELMO RESOURCES LTD.
THOR-MARMOT PROPERTY
OMINECA MINING DIVISION, B.C.
PROPOSED WORK PROGRAM
Date: July, 1998
Scale: 1:20000
Data By G. Allen
Drawn By G. Allen
Figure: 17
Takla Group
Basaltic Volc.
Granitic Intrusion
Sustut Group
Clastic Sediment
PRIORITY 2
ASAMERA ZONE A
ASAMERA ZONE B-NORTH
MAR98-03
MAR98-02
TRUE NORTH
5000N
9000E
Copper Zone
PRIORITY 1 (2.9 KM)
MAR98-04,05
ASAMERA ZONE B-SOUTH
MAR98-06
CLIFFS OF CARBONATE STOCKWORK
WITH COPPER-GOLD BEARING SHEARS
ASAMERA ZONE D
6300000N
10000E
Sustut Group
Clastic Sediments
11000E
Lmst ?
Takla Group
Volcanics
PRIORITY 2
135°
644000E
Granitic Intrusion
0
1KM
DATUM: NAD 83

10.2 Recommended Budget

To budget for the work program outlined above, certain assumptions have been made. Drilling rates will determine the overall length of the program. Production during a drilling program with one drill can average as low as 30 metres per day. With 3000 metres of drilling proposed in 15 to 20 long holes the drilling could last 100 days. A conservative 110 days has been used for the anticipated total length of the program. A breakdown of anticipated costs is presented below.

Proposed Budget For Continued Exploration of the Thor-Marmot Property						
Fieldwork						
Personnel	**No.**	**Days**	**Rate**	**Cost**	**Cost**	**Cost**
Project Manager	1	110	350	38500		
Assistant Geologist	1	110	250	27500		
Field Assistants (core)	1	110	150	16500		
Field Assistants (soils)	2	20	150	6000		
Total personnel costs				88500	88500	
Accommodation:		440	75	33000	33000	
Equipment Rental:						
4x4 pickup	1	110	100		11000	
Analytical Costs:						
core samples	1000					
soil samples	462					
surface rock chips	100					
Total	1562		20		31240	
Contractor Costs:						
Helicopter	3 hrs/day	110	750	247500		
Line Cutting (24km)	24		750	18000		
IP (22km)	22		1000	22000		
Mag/VLF	22		200	4400		
Drilling	3000		100	300000		
Total				591900	591900	
Other Disbursements:						
Map Preparation				2500		
Exploration Supplies				1000		
Transportation				3000		
Sample shipment				1000		
Miscellaneous				2000		
Total				9500	9500	
Fieldwork subtotal					765140	
Contingency (10%)					76514	
Fieldwork Total					841654	841654
			Report			20000
Estimated Total Program Cost						**$861,654.00**

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STATEMENT OF QUALIFICATIONS

I, GORDON J. ALLEN, DO HEREBY CERTIFY THAT:

1. I am a consulting geologist with a business office at 2479 Jackson Valley Road, Duncan, British Columbia, Canada.

2. I am a graduate from the University of British Columbia with a Bachelor of Science, Honours Geology degree (1975).

3. I am a member in good standing of the Association of Professional Engineers and Geoscientists of the Province of British Columbia (19692).

4. I have practiced my profession in mineral exploration for twenty-three years with numerous multinational mining corporations, junior mining companies, geological consulting companies and as an independent consultant.

5. I have personally performed or observed exploration activities on the subject property between June 16 and July 2, 1998.

6. I am not an officer or director of San Telmo Resources Ltd. I have not received any direct or indirect interest in the properties of San Telmo Resources Ltd., nor in any affiliates or in any property within a radius of ten kilometres of the subject property.

7. I do not own, directly or indirectly, any securities of the company.

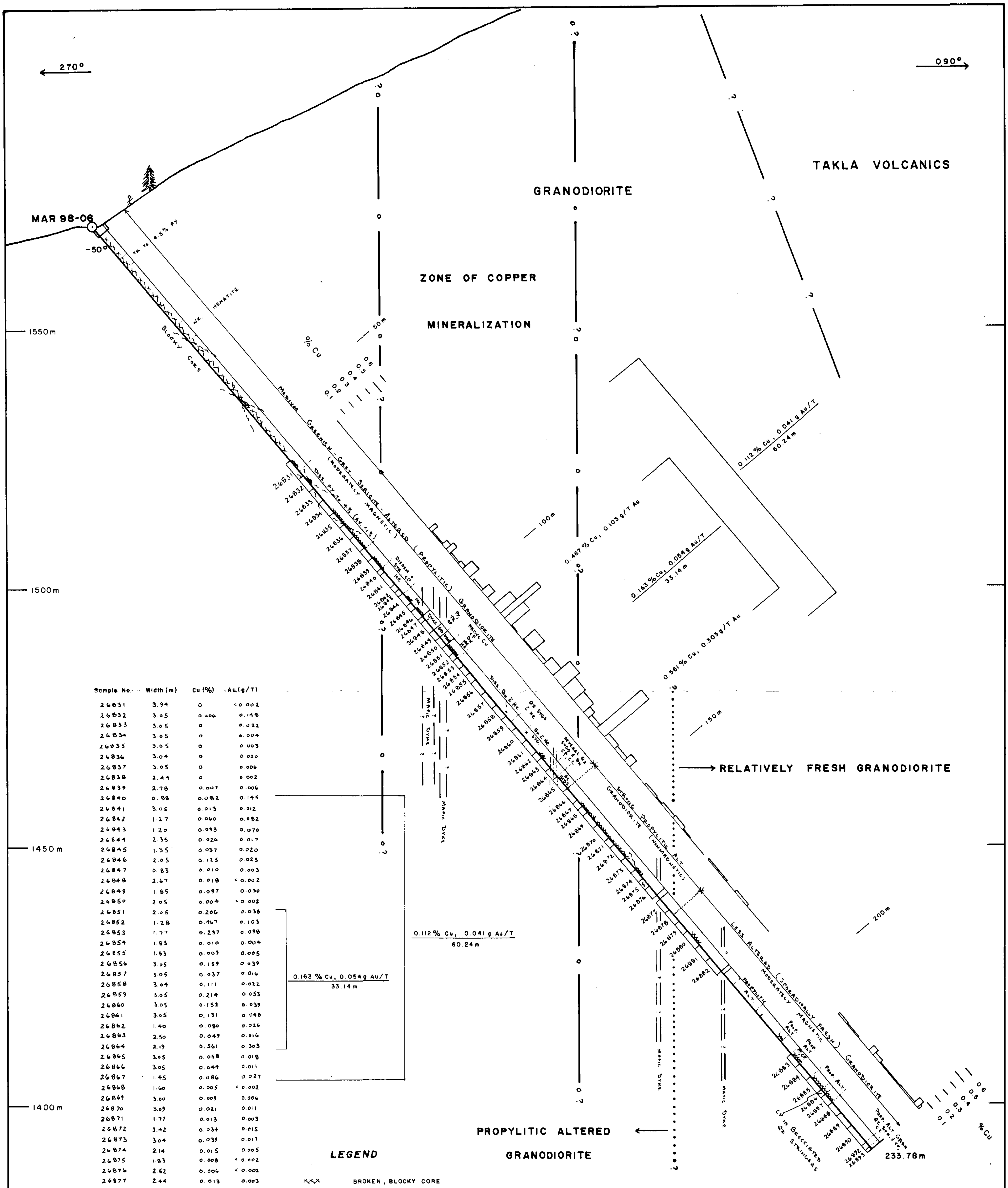
8. I hereby authorize San Telmo Resources Ltd. to use this report or excerpts of this report for any news release, prospectus, or Statement of Material Facts related to the Thor Claim Group of claims, provided that no excerpts are used out of context with the whole.

Gordon J. Allen, P. Geo
Consulting Geologist

Dated at Duncan, British Columbia, this 10th day of August, 1998.

FIGURE 12

CROSS SECTION MAR 98-06



Sample No.	Width (m)	Cu (%)	Au (g/T)
26831	3.94	0	<0.002
26832	3.05	0.006	0.148
26833	3.05	0	0.022
26834	3.05	0	0.004
26835	3.05	0	0.003
26836	3.04	0	0.020
26837	3.05	0	0.006
26838	2.44	0	0.002
26839	2.78	0.007	0.006
26840	0.88	0.082	0.145
26841	3.05	0.013	0.012
26842	1.27	0.060	0.082
26843	1.20	0.093	0.070
26844	2.35	0.026	0.017
26845	1.35	0.037	0.020
26846	2.05	0.125	0.023
26847	0.83	0.010	0.003
26848	2.67	0.018	<0.002
26849	1.85	0.097	0.030
26850	2.05	0.004	<0.002
26851	2.05	0.206	0.038
26852	1.28	0.467	0.103
26853	1.77	0.237	0.098
26854	1.83	0.010	0.004
26855	1.83	0.009	0.005
26856	3.05	0.159	0.039
26857	3.05	0.037	0.016
26858	3.04	0.111	0.022
26859	3.05	0.214	0.053
26860	3.05	0.152	0.039
26861	3.05	0.131	0.048
26862	1.40	0.080	0.026
26863	2.50	0.049	0.016
26864	2.19	0.561	0.303
26865	3.05	0.058	0.018
26866	3.05	0.044	0.011
26867	1.45	0.086	0.027
26868	1.60	0.005	<0.002
26869	3.00	0.009	0.006
26870	3.09	0.021	0.011
26871	1.77	0.013	0.003
26872	3.42	0.034	0.015
26873	3.04	0.039	0.017
26874	2.14	0.015	0.005
26875	1.83	0.008	<0.002
26876	2.52	0.006	<0.002
26877	2.44	0.013	0.003
26878	3.05	0.021	0.003
26879	2.28	0.010	<0.002
26880	3.82	0.026	0.010
26881	3.04	0.007	0.002
26882	3.59	0.005	0.002
26883	2.53	0.025	0.017
26884	3.38	0.010	0.003
26885	3.02	0.006	0.008
26886	1.36	0.070	0.042
26887	1.91	0.036	0.027
26888	2.78	0.011	0.002
26889	3.10	0.011	0.002
26890	4.25	0.020	0.006
26891	N.S.		
26892	1.20	0.076	0.025
26893	0.78	0.039	0.011

26851–26864: 0.163 % Cu, 0.054 g Au/T — 33.14 m

26840–26867: 0.112 % Cu, 0.041 g Au/T — 60.24 m

LEGEND

Symbol	Meaning
XXX	BROKEN, BLOCKY CORE
~~	CRUSH, SHEAR ZONE
— —	LITHOLOGIC CONTACT
—•—	LIMIT OF STRONGEST MINERALIZATION
....	LIMIT OF ALTERATION
BN	BORNITE
CC	CHALCOCITE
CP	CHALCOPYRITE
He	HEMATITE
PY	PYRITE

0 10 20 30m

1:500

SAN TELMO RESOURCES LTD.	
THOR-MARMOT PROPERTY OMINECA MINING DIVISION, B.C.	
DRILL CROSS SECTION MAR 98-06	
Date: July, 1998	Scale: 1:500
Data By: G. Allen	Drawn By: G. Allen
	Figure: 12

APPENDIX 1

SURFACE ROCK SAMPLE DESCRIPTIONS

San Telmo Resources Ltd.

Thor-Marmot Property

Surface Chip Sample Descriptions

Sample No.	Area	UTM			Elevation	Sample Description	Sample Width (m)	Cu (%)	Au (g/T)
		Datum	East	North					
GA-101	East of Thor 2 (Figure 15)	NAD27	646 803	6 298 010	2020	Limonitic dark to light grey quartz vein in plagioclase-augite porphyry with sporadic epidote alteration. Vein approx. 20 cm wide, at 008/55 SE. Up to 15% pyrite and 10% chalco., but probably averaging 5% @ PY and CP over all.	0.2	1.06	0.068
GA-102	East of Thor 2 (Figure 15)	NAD27	646 803	6 298 017	2020	Approx. 7m north of GA-101. 1.5 - 2m qz-carbonate flooded shear zone. C-G white carbonate brecciated and surrounded by later F-G blue-grey quartz with 7-8% F-G diss pyrite and 5% chalcopyrite in masses to 1cm.	select grab	1.92	0.154
GA-103	East of Thor 2 (Figure 15)	NAD27	647 010	6 297 978	1950	20 cm qz-carb vein in shr zone approx. 0.5m wide. 170/90 50% combined pyrite and chalcopyrite. Host is a massive purplish-grey fine-grained augite-feldspar porphyry (xl tuff?).	0.2	>10.0	0.189
GA-104	Gossan south of Thorne Creek	NAD83	645 900	6 295 850	1746	Intensely gossanous sheared feldspar porphyry (volcanic?) Shattered. Protolith unclear. 5% disseminated pyrite.	1.0	0.013	0.029
GA-105	Gossan south of Thorne Creek	NAD83	645 895	6 295 905	1720	Discontinuous chip of gossanous M-G dark greenish-grey shattered augite-feldspar porphyry with 5% disseminated PY.	6.0	0.017	0.016
GA-106	Gossan south of Thorne Creek	NAD83	645 885	6 295 905	1720	Continuation from GA105. As above. Chloritic, minor silica alt.	7.0	0.015	0.018
GA-107	Gossan south of Thorne Creek	NAD83	645 922	6 295 943	1686	Discontinuous chip. Gossanous medium greenish-grey, sericitic altered plagioclase-augite porphyritic volcanic (?). 5% disseminated and fracture-related pyrite.	2.0	0.014	0.013
GA-108	Gossan south of Thorne Creek	NAD83	645 907	6 295 950	1680	As above, but with minor silicification. 7-8% pyrite.	Grab	0.024	0.013

San Telmo Resources Ltd.

Thor-Marmot Property

Surface Chip Sample Descriptions

Sample No.	Area	UTM			Elevation	Sample Description	Sample Width (m)	Cu (%)	Au (g/T)
		Datum	East	North					
GA-109	Cliffs of alt volc. near Mar98-06	NAD83	643 913	6 300 483	1660	Fracture set at 154/70 NE with bornite, chalcopyrite and malachite. Fractures 1-2 mm, spaced approx 5-10 cm apart. Host is barren, strongly magnetic dark greenish-grey to black F-G augite-feldspar porphyry with 25% plag prisms to 1mm and 15% stubby black masses of augite. Possibly hornfelse?	2.0	0.157	0.040
GA-110	Cliffs of alt volc. near Mar98-06	NAD83	644 037	6 300 467	1620	5-10 cm wd. white to dark grey fine-grained crystalline quartz vein with 10% fine-grained crystalline pyrite. Hosted in 0.5m wide gossanous shear zone at 006/53 SE in plag-augite ppy.	0.05	0.043	>100.0
GA-111	East of Thor 2 (Figure 15)	NAD27	646 610	6 297 940	1900	Select grab of gossanous float below cliff with intense gossan. Some pieces of greenish sericitic alt. Material with 10% F-G diss. PY, cut by qz stringers to 2cm with 7-8% @ PY and CP. Some pieces of "spongy" white quartz with 50% pits after pyrite.	Grab	0.146	0.460
JM-101	Gossan south of Thorne Creek	NAD83	645 750	6 295 964	1626	Assemblage of rocks. One piece of limonitic white to grey F-G intensely silicified material composed mostly of silica. Pitted, after pyrite. Some light to medium grey aphanitic sericite/qz-altered rock with 7-8% F-G PY%. One piece with CP and MC.	Grab	0.033	0.131
JM-102	Gossan south of Thorne Creek	NAD83	645 750	6 295 964	1626	Assemblage as above. One piece of white intensely quartz-sericite altered volcanic (?). One piece 1.5cm quartz stringer. Some F-G dark green-grey augite porphyry with 2-4% diss. and fracture-related pyrite. One piece of breccia with med. grey very F-G sil. Groundmass and 3-4% VF-G Py.	Grab	0.107	0.040
88TR-261	Asamera Zone A	NAD83	643 970	6 301 620	1660	Resample of Asamera pit with reported 8.29 g/T Au. Fractured limonitic dark gn-gy feldspar-augite ppy (?).	Grab	0.084	0.096

APPENDIX 2

DIAMOND DRILL LOGS, CORE RECOVERIES, AND

BOX LOGS

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE READING	ANGLE CORRECTED
0	—	-47
16.76	-53	-46
136.25	-54	-47½

HOLE # MAR 98-01

PROPERTY THOR MARMOT

LOCATION MARMOT 2 CLAIM PAGE # 1 OF 3

Date Begun JUNE 18 Date Logged JUNE 20/98 Bearing 230° Total Depth 136.25m

Date Finished JUNE 19 Logged By G. ALLEN Elev. Collar 1355m Core Size NQ

APPROX. UTM COORDINATES (NAD 83, ZONE 9): 645 470E, 6291 230N

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE		CU (PPM)		AU (PPB)
0	16.76	SEE APPENDED SHEET		OVBD	OVERBURDEN (CASING TO 16.76m) 0-14.32 - Rubble. Mix of f-g crystalline mafic volcanic, c-g. feldspar porphyry, medium grained feldspar-augite crystal tuff or volcanic sandstone. Fragments sporadically magnetic. Some strongly magnetic. Tuff contains 5% disseminated magnetite 14.32-16.76 - Till? Reddish limonitic clay matrix with ~40% rounded to angular (average sbd to sub rdd) lithic fragments up to 5cm diameter. Fragments range from fine to med-grained feldspar phyric volcanic, minor granitic plutonic. Fragments commonly moderately magnetic. Chloritic/epidotic alt of fragments common.								
16.76	136.25			CONG	CONGLOMERATE Pebble to cobble conglomerate, probably of the Sustut Formation. Rounded fragments up to 10cm but averaging 3-4cm. Minor intervals up to 1m of coarse-grained sandstone.	26801	28.2	29.7	1.50		58		8

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # MAR 98-01

PROPERTY THOR MARMOT

LOCATION

Date Begun _____ Date Logged _____ Bearing _____ Total Depth _____

Date Finished _____ Logged By _____ Elev. Collar _____ Core Size _____

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE		CU (PPM)		AU (PPB)
					Matrix supported, with 50% (+) pebbles and cobbles. Some parts clast supported. Friable, poorly indurated. Clasts fall out of core.	26802	49.4	50.9	1.50		114		20
					Groundmass of coarse-grained sandstone composed same material as clasts (description to follow) predominantly greenish to brownish-grey with mottled patches of hematitic red material.	26803	64.45	65.95	1.50		91		9
					Clasts are mostly medium to dark green augite porphyry (medium to fine-grained) of the Tulsequah Formation, but there is a wide range of lithology: lapilli-tuff, aphanitic rock, minor light grey sandstone, medium-grained hornblende granodiorite, maroon fsp. porphyry, etc. Some fragments strongly hematitic. Clasts commonly have hematitic rims. In some parts most of the clasts are hematitic. Many of clasts are weakly to moderately magnetic, perhaps causing the magnetic anomaly.	26804	81.70	83.20	1.50		61		14
						26805	106.0	107.5	1.50		64		5
						26806	115.8	117.35	1.55		76		10
					16.76 - 29.56 - Badly broken. Rubble. Surface weathering.	26807	127.9	129.4	1.50		68		13

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # MAR 98-01

PROPERTY _____

LOCATION _____ PAGE # 3 of 3

Date Begun _____ Date Logged _____ Bearing _____ Total Depth _____

Date Finished _____ Logged By _____ Elev. Collar _____ Core Size _____

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
					42.7 - 44.8 - Broken, blocky core. Hematitic				
					47.65 - 48.1 - Hematitic to light grey c-c massive sandstone. Upper & lower contacts appear to be 70-80° CA.				
					81.6 - 82.1 - chloritic shear zone. Shearing 20-25° CA.				
					87.47 - 89.0 - Shear zone. Rubble. Some chloritic slickensided shear surfaces 0-20° CA. Slickensides across core axis.				
					104.3 - 104.7 - Medium to coarse-grained massive sandstone. Vague sense of bedding 70-80° CA.				
					121.85 - 121.95 - Medium-grained sandstone. Bedding 70° CA.				
					129.88 - 131.48 - Sandstone. Appears to be graded coarse-medium-fine down hole. Possibly overturned? Reverse graded bedding? Bedding at 70-80° CA. Hematitic bands, especially in lower fine-grained part.				
					133.18 - 137.54 Hematitic bedded (65° CA) fine to med.-gr sdst.				
					136.25 E.O.H.				

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CORE RECOVERY MAR 98-01

INTERVAL		LENGTH	ACTUAL	RECOVERY
FROM	TO	(m)	(m)	(%)
11.0	11.27	0.27		?
11.27	14.32	3.05	0.6	20
14.32	16.76	2.44	1.0	41
16.76	17.37	0.61	0.15	25
17.37	20.42	3.05	2.30	75
20.42	23.47	3.05	3.20	100
23.47	26.51	3.04	3.20	100
26.51	29.56	3.05		100
29.56	32.61	3.05		100
32.61	35.66	3.05		100
35.66	38.71	3.05		100
38.71	41.75	3.04		100
41.75	44.80	3.05		100
44.80	47.85	3.05		100
47.85	50.90	3.05		100
50.90	53.95	3.05		100
53.95	56.99	3.04		100
56.99	60.04	3.05		100
60.04	63.09	3.05		100
63.09	66.14	3.05		100
66.14	69.19	3.05		100
69.19	72.23	3.04		100
72.23	75.28	3.05		100
75.28	78.33	3.05		100
78.33	81.38	3.05		100
81.38	84.43	3.05	3.5	100
84.43	87.47	3.04		100
87.47	90.52	3.05		100
90.52	93.57	3.05		100
93.57	96.62	3.05		100
96.62	99.67	3.05		100
99.67	102.71	3.04		100
102.71	105.76	3.05	2.9	95
105.76	108.81	3.05		100
108.81	111.86	3.05		100
111.86	114.91	3.05		100
114.91	117.95	3.04		100
117.95	121.00	3.05		100
121.00	124.05	3.05		100
124.05	127.10	3.05	3.18	100
127.10	130.15	3.05	3.05	100
130.15	133.20	3.05	3.05	100
133.20	136.25	3.05	3.05	100
~~136.25~~	E.O.H.	~~3.05~~		

PROPERTY - THOR - MARMOT

BOX INTERVALS

HOLE NUMBER MAR 98-01

Box	From	To	Box	From	To
1	11.00	20.90	25		
2	20.90	25.43	26		
3	25.43	30.50	27		
4	30.50	35.40	28		
5	35.40	40.55	29		
6	40.55	45.45	30		
7	45.45	50.90	31		
8	50.90	55.70	32		
9	55.70	60.80	33		
10	60.80	65.95	34		
11	65.95	71.70	35		
12	71.70	76.25	36		
13	76.25	81.70	37		
14	81.70	86.85	38		
15	86.85	91.15	39		
16	92.10	96.62	40		
17	96.62	102.15	41		
18	102.15	107.53	42		
19	107.53	112.65	43		
20	112.65	117.35	44		
21	117.35	123.62	45		
22	123.62	127.87	46		
23	127.87	133.48	47		
24	133.48	136.25	48		

E.O.H.

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE READING	ANGLE CORRECTED
0		-50
(E.O.H)	-58.7	-52.5

HOLE # MAR 98-02

PROPERTY THOR MARMOT

LOCATION ZONE B (APPROX. UTM (NAD 83 ZONE 9): 6 301 555 N 644 440 E) PAGE # 1 OF 3

Date Begun JUNE 20 Date Logged JUNE 22 Bearing 285° Total Depth 90.53 m

Date Finished JUNE 22 Logged By G. ALLEN Elev. Collar 1665 Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
0	9.14	0		NORC	NO RECOVERY				
9.14	90.53	SEE SHEET		PAPP	PLAGIOCLASE AUGITE PORPHYRY Dark to medium greenish-grey medium-grained plagioclase augite porphyry. Probably Takla Formation. Generally dark green fine-grained groundmass with relatively homogeneously distributed 1-2 mm subhedral prismatic subdued green to grey plagioclase phenocrysts (~25-30%) and 10-15% (+) black to dark green 1-2 mm stubby subhedral augite phenos. Rock has a homogeneous massive texture suggestive of a large flow or hypabyssal intrusion. Generally weakly to moderately magnetic throughout except where epidote alteration occurs. Irregular clots of epidote up to 1.0 cm. In some cases these clots appear to be altered clasts, but usually the textures are consistent within & without the clots suggesting sporadic alteration of a homogeneous protolith. Epidote ~5%. Cut by widely spaced (10-20 cm) 1-2 mm calcite				

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DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE READING	ANGLE CORRECTED

HOLE # MAR 90-02

PROPERTY _____

LOCATION _____ PAGE # 2 of 3

Date Begun _____ Date Logged _____ Bearing _____ Total Depth _____

Date Finished _____ Logged By _____ Elev. Collar _____ Core Size _____

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE		Cu (PPM)		Au (PPB)
					stringers generally 60 & 20° CA.								
					10.7 - Spec of pyrite in chalcopyrite.	26808	9.14	11.28	2.14		92		20
					11.28 - 23.7 - Broken, blocky, rubbly core.								
					Fractures 45°, 30° & subparallel CA generally	26809	11.28	14.33	3.05		151		15
					11.5 - 17.3 - unusually strong epidote alt.								
					assoc. with white to grey quartz stringers 60°	26810	14.33	17.37	3.04		137		17
					to subparallel CA. Barren.								
						26811	17.37	20.12	2.75		104 ~~135~~		5
					32.0 - 44.8 - Blocky core. Fractures prdm.								
					60° to subparallel to CA. 3-4% 1-2mm calcite stringers	26812	20.12	21.70	1.58		99 ~~128~~		11
					35.0 - Epidote clast ~1.5 cm diameter. Angul								
					* 40.0 - 40.4 - 20% white to grey quartz	26813	21.70	23.70	2.00		130 ~~104~~		3
					in stringers to 1 cm. ~10% Py in interval								
					Reddish hematite alt. of magnetite stringers								
					~70-80° to CA. Traces chalcopyrite assoc.	26814	38.0	38.6	0.60		122		15
					with quartz. Nonmagnetic interval.								
						26815	38.6	40.0	1.40		83		11
					44.5 - 47.3 - Sporadic epidote alt. in zones to								
					30 cm. Barren.	26816	40.0	40.4	0.40		130		190 *
					47.3 - Calcite stringers to 1cm ~ 70° & 10° CA.								
					~ 7-8%.	26817	40.4	41.76	1.36		122		6
					Some parts have angular blocks, strongly fragmented,								

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # MAA 98-02

PROPERTY

LOCATION PAGE # 3 of 3

Date Begun Date Logged Bearing Total Depth

Date Finished Logged By Elev. Collar Core Size

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE		Cu (PPM)		Au (PPB)
					Fine-grained less augite-rich sections could be individual flows. Contacts gradational (tr) or abrupt with calcite stringers	26818	41.76	44.81	3.05		144		11
						26819	44.81	47.85	3.04		106		8
					55.1 - Spec of chalcopyrite ?								
					58.5 - Spec CP in groundmass. No fracture related	26820	47.85	50.90	3.05		149		6
					59.0 - "								
					59.5 - 65.2 - Augite? - 20% to 8 mm, averages 2-4 mm. Prismatic to equan. Some hornblende? Same as previous rock but mafics more abdt than feldspar. Wide epidote alt. of fsp. Sericitic to chloritic groundmass.	26821	50.90	53.95	3.05		127		6
						26822	57.00	60.05	2.97		158		9
					65.2 - 90.53 gradual to dark greenish-grey as above but mafic phenos not prevalent. Some parts aphanitic. Mostly fine-grained fsp-augite phyric. Phenos generally ≤ 1 mm.	26823	75.29	78.33	3.04		145		3
					71.0 - Spec CP along fracture.								
					68.5 - CP in carb stringer with epidote. 0.5mm. Trace.								
					76.8 - 78.0 - Trace CP, PY associated with calcite stringers.								

Recoveries MAR 98-02

From	To	Theor Dist	Actual Length	Recovery (%)	From	To	Theor Dist	Actual Length	Recovery
9.14	11.28	2.14	1.1	51					
11.28	14.33	3.05	2.6	85					
14.33	16.46	2.13	1.1	52					
16.46	17.37	0.91	0.6	66					
17.37	20.12	2.75	2.6	95					
20.12	21.03	0.91	0.6	66					
21.03	23.47	2.44	2.6	100					
23.47	24.38	0.91	1.5	100					
24.38	26.52	2.14	2.2	100					
26.52	29.26	2.74	2.95	100					
29.26	30.78	1.52	1.1	72					
30.78	32.15	1.37	1.5	100					
32.15	33.07	0.92	0.35	38					
33.07	35.66	2.59	1.9	73					
35.66	37.80	2.2	2.5	100					
37.80	40.23	2.4	3.4	100					
40.23	41.76	1.53	1.3	85					
41.76	44.81		3.3	100					
44.81	47.85		3.3	100					
47.85	50.90		3.3	100					
50.90	53.95		3.15	100					
53.95	57.00		3.2	100					
57.00	60.05		3.1	100					
60.05	63.09		3.1	100					
63.09	66.14		3.1	100					
66.14	69.19		3.1	100					
69.19	72.24			100					
72.24	75.29			100					
75.29	78.33			100					
78.33	81.38			100					
81.38	84.43			100					
84.43	87.48			100					
87.48	90.53 EOH			100					

PROPERTY - THOR - MARMOT

BOX INTERVALS

HOLE NUMBER MAR 98-02

Box	From	To	Box	From	To
1	9.14	16.46	25		
2	16.46	21.60	26		
3	21.60	25.70	27		
4	25.70	30.78	28		
5	30.78	36.60	29		
6	36.60	40.80	30		
7	40.80	46.40	31		
8	46.40	51.30	32		
9	51.30	56.54	33		
10	56.54	61.70	34		
11	61.70	67.00	35		
12	67.00	72.00	36		
13	72.00	77.18	37		
14	77.18	82.60	38		
15	82.60	87.96	39		
16	87.96	90.53 E.O.H.	40		
17			41		
18			42		
19			43		
20			44		
21			45		
22			46		
23			47		
24			48		

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE READING	ANGLE CORRECTED
0		-51½
105.77	-59	-53

HOLE # MAR 98-03

PROPERTY THOR - MARMOT

LOCATION ZONE 'B' (APPROX. UTM (NAD83, ZONE 9): 6 301 600 N 644 321 E) PAGE # 1 of 3

Date Begun _____ Date Logged JUNE 25 Bearing 105° Total Depth 105.77m

Date Finished JUNE 24 Logged By G. ALLEN Elev. Collar 1653 Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
0	10.97	SEE APPENDED SHEET		NORC	CASING - NO RECOVERY				
10.97	105.77			PAPP	PLAGIOCLASE AUGITE PORPHYRY Dark grenish-grey overall colour. Dark green fine-grained chloritic / sericitic groundmass with 20-25% <1-2 mm wispy, subtabular feldspar grains, and 15-20% <1-3 mm black stubby augite phenocrysts. Texture varies from fine to medium-grained porphyritic, massive to fragmental. Fragments to 1cm could indicate tuffaceous intervals, but amygdules in some intervals suggest clasts in a flow. Weakly to moderately magnetic throughout. Magnetite crystals to 1mm, ~ 1-2%. Rock is cut by white and pink carbonate stringers to 1cm, average 2-3mm, in zones up to several metres wide. Host rock is altered to a lighter green in these intervals, perhaps due to introduction of fine-grained epidote. Some intervals of strong epidote alteration. Generally brown overall, but some specs of chalcopyrite commonly assoc. with augite phens.				

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # MAR 98-03

PROPERTY _____

LOCATION _____ PAGE # 2 of 3

Date Begun _____ Date Logged _____ Bearing _____ Total Depth _____

Date Finished _____ Logged By _____ Elev. Collar _____ Core Size _____

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE		Cu (PPM)		Au (PPB)
					10.97 - 34.0 Blocky core. Most fractured in intervals with calcite stringers. 5-8% calcite in stringers to 5mm, average 2-3 mm. Subparallel, 30°, 80° CA common. Also unoriented shatter fill.								
					40.25 - 40.60 - Intense epidote alteration. Trace bornite, malachite								
					On close inspection of lighter-colored rock, it looks like it has been smashed and ground up leaving rock fragments to 5mm in a fine-grained sheared sericitic groundmass. Calcite stringers probably related to the shearing but not to mineralization (little of it is).								
					60.3 - Trace disem. chalcopyrite. VFG.								
					61.6 - Blue-gray coating on fracture looks like hydrozincite.	26824	60.05	63.09	3.04		133		4
					67.30 - 67.80 - Calc stgs + epidote @ 20° 30° CA.								
					73.20 - 74.94 - Carbonate healed crush zone.								
					76 - Calc stringer 30° CA.								

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # MAR 98-03

PROPERTY _____

LOCATION _____ PAGE # 3 of 3

Date Begun _____ Date Logged _____ Bearing _____ Total Depth _____

Date Finished _____ Logged By _____ Elev. Collar _____ Core Size _____

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
					80.0 - 80.2 - Intense epidote alteration ~ PY				
					80.2 - 84.2 - Dark, fresh PAPP. Few carb stgs.				
					84.2 - 94.5 - Lighter greenish grey than above. 5% carb stgs to 1cm. Average 2-3mm. Subparallel, 30, 60, 90° CA.				
					94.5 - 95.2 - Carbonate filled crush, breccia zone. Shear ~ 60° CA with clay. Filling mostly white calcite. Minor pink carb. Breccia fragments sporadically alt. to epidote. Barren. S				
					95.2 - 104.0 - Continuation of medium greenish-grey PAPP. 5-8% calcite stgs + crush filling. 100.15 Chloritic shear zone ~ 10cm wide. 3cm gouge. 45° CA.				
					104.0 - Carb stringer ~ 30° CA. Contact with darker, non-brecciated PAPP. Relatively fresh below 104.0 5% calcite stgs to 2mm. 30 + 45° CA Σ.				
					E.O.H.				
					No quartz stringers noted in hole. No structure.				

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THOR - MARMOT PROPERTY

HOLE MAR 98-03 RECOVERIES

FROM	TO	THEOR. LENGTH (m)	ACTUAL LENGTH (m)	RECOVERY (%)
10.97	12.80	1.83	0.25	14
12.80	13.72	0.92	0.10	11
13.72 ~~14.02~~	14.02	0.30	0.20	67
14.02 ~~14.33~~	14.33	0.31	0.10	32
14.33 ~~14.94~~	14.94	0.61	0.30	49
14.94	15.54	0.60	0.50	83
15.54	17.37	1.83	1.80	98
17.37	18.59	1.22	0.40	33
18.59	20.12	1.53	0.85	56
20.12	20.42	0.30	0	0
20.42	21.64	1.22	0.80	66
21.64	22.40	0.76	0.80	100
22.40	23.47	1.07	0.65	61
23.47	26.21	2.74	2.08	76
26.21	29.57	3.36	2.88	86
29.57	32.61	3.04	2.10	69
32.61	35.66	3.05	2.90	95
35.66	38.71			100
38.71	41.76			
41.76	44.81			
44.81	47.85			
47.85	50.90			
50.90	53.95			
53.95	57.00			
57.00	60.05			
60.05	63.09			
63.09	66.14			
66.14	69.19			
69.19	72.24			
72.24	75.29			
75.29	78.33			
78.33	81.38			
81.38	84.43			
84.43	87.48			
87.48	90.53			
90.53	93.57			
93.57	96.62			100
96.62	99.67			
99.67	102.72			
102.72	105.77			

PROPERTY - THOR - MARMOT

BOX INTERVALS

HOLE NUMBER MAR98-03

Box	From	To	Box	From	To
1	10.97	20.12	25		
2	20.12	26.70	26		
3	26.70	33.40	27		
4	33.40	38.90	28		
5	38.90	43.85	29		
6	43.85	48.90	30		
7	48.90	53.90	31		
8	53.90	59.56	32		
9	59.56	64.94	33		
10	64.94	70.30	34		
11	70.30	75.29	35		
12	75.29	80.60	36		
13	80.60	86.17	37		
14	86.17	91.45	38		
15	91.45	97.10	39		
16	97.10	102.54	40		
17	102.54	105.77	41		
18		E.O.H.	42		
19			43		
20			44		
21			45		
22			46		
23			47		
24			48		

DIAMOND DRILL RECORD

DIP TEST		
	ANGLE	
FOOTAGE	READING	CORRECTED
0		-47½
69.80	56	-49½

HOLE # MAR 98-04

PROPERTY THOR - MARMOT

LOCATION RIDGE TOP, ZONE 'B' (APPROX UTM (NAD 83, ZONE 9) 644170E, 6301000N) PAGE # 1 of 4

Date Begun JUNE 24 Date Logged JUNE 26, 27 Bearing 122° Total Depth 69.80m (229')

Date Finished JUNE 26 Logged By G. ALLEN Elev. Collar 1870m Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
0	3.66	0		NORC	NO RECOVERY - CASING				
3.66	69.80	SEE APPENDED SHEET		PAPP	PLAGIOCLASE AUGITE PORPHYRY 20-25% dark greenish subhedral plagioclase prisms to 2 mm (can be ≤1 mm), + 15-20% black stubby subhedral augite to 3 mm, average 1-2 mm, in a dark greenish-grey fine-grained groundmass of chlorite ± sericite? 2-3% ≤1 mm massive magnetite. In some parts the groundmass has been altered to epidote, and magnetite correspondingly altered to hematite. Subtrachytic texture common. Generally massive. Generally weakly to moderately magnetic. 3.66 - 11.6 - Badly broken core. Rubble. Rounded chunks to 5cm. Surface fracturing. Some parts appear to have small ≤1 mm amygdules. FLOW. 11.0 - calcite filled crack going 40° CA. ~3cm. 11.6 - 16.5 - Non magnetic. Slightly lighter colour than material above.				

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # MAR 98-04

PROPERTY _____

LOCATION _____ PAGE # 2 of 4

Date Begun _____ Date Logged _____ Bearing _____ Total Depth _____

Date Finished _____ Logged By _____ Elev. Collar _____ Core Size _____

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
					11.6 - 18.60 - Mottled grunish to brownish-grey, lighter than intervals above and below. Hematite on fracture surfaces. Brown colour may be due to hematite alt. of magnetite. 5% white + pink calcite stringers up to 2 mm. 20-30° & 70-90° CA most common.				
					14.0 - 14.3 - Possible calcite - epidote filled amygdules to 7 mm.				
					14.63 - 14.70 - clay gouge. 65° CA				
					18.60 - 27.10 - Bleaching Core. Predom. green ≤ 5 cm. Rock appears to be darker and less altered				
					18.60 - 20.42 - Rock is darker and less altered than adjacent intervals.				
					20.42 - 21.30 - Crushed + healed zone ~ 20° CA. ~ 15% calcite in discontinuous stringers to 2cm long. INTENSE chloritic. Original textures destroyed				
					21.30 - 27.1 - Bleached. Dark, less altered core.				
					27.1 - 35.1 - Medium - grained plagioclase - augite porphyry. ~ 25-30% <1-2 mm subhedral plagioclase				

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # MAR 98-04

PROPERTY _____

LOCATION _____ PAGE # 3 of 4

Date Begun _____ Date Logged _____ Bearing _____ Total Depth _____

Date Finished JUNE 26 Logged By _____ Elev. Collar _____ Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE		Cu (PPM)		Au (PPB)
					prisms (average ≤ 1mm) + 20% stubby anhedral dark grey chloritic augite to 3mm, average 1-2 mm. Massive, homogeneous. Cut by 5-8% white calcite stringers to 1cm but average 1-2 mm. Some intervals of crackle breccia flooded by carbonate. Stringers predom. 20° CA, but 45, 60, 80° also common. Texture distinct from units above & below. Could be individual flow. Soft chloritic alt. pervasive.								
					35.1 - 36.2 - Dark, fine grained.								
					36.2 - 39.1 - phenos 27.1 - 35.1 but fine grained porphyry 5% calcite stringers ave. 1-2 mm. chlorite alt.	26825	42.1	42.6	0.50		252		26
					39.1 - 42.1 - Texturally similar to unit above but darker. Has chlorite alt. Fewer calcite stringers.	26826	42.6	47.85	5.25		165		19
					42.1 - 42.6 - calcite - chlorite healed crush zone. FAULT. 45° CA. Breccia frags to 2 cm.	26827	47.85	48.60	0.75		166		16
					42.6 - 47.85 - Medium - grained plag. - augite porphyry. Augite phenos to 7mm (anhedral to subhedral). 3-5% white calcite stringers.	26828	48.60	50.90	2.30		711		76
						26829	50.90	52.55	1.65		103		5
					47.85 - 48.60 - Badly ground core. Rubble.								
				*	48.6 - 54.65 looks like main structure. Blocky rubbly core. Abundant shearing subparallel CA.	26830	52.55	54.65	2.10		149		7

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # MAR 98-04

PROPERTY _____

LOCATION _____ PAGE # 4 of 4

Date Begun _____ Date Logged _____ Bearing _____ Total Depth _____

Date Finished _____ Logged By _____ Elev. Collar _____ Core Size _____

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
					Texturally similar to unit above. Plagioclase augite ppry. Overall dark greenish - brown glom, perhaps due to epidote alteration. ≤5% calcite stringers. Abundant showing subparallel CA.				
					51.1 - 51.2 - clay gouge 70° CA. Could be bentonite?				
					54.65 - 69.80 E.O.H. - Dark, fresh, homogeneous feldspar augite porphyry. Very (little) few calcite stringers. Fresh.				
					E.O.H.				

THOR-MARMOT PROPERTY
RECOVERIES

HOLE MAR 98-04

FROM	TO	THEOR. LENGTH	ACTUAL LENGTH	% RECOV.	
3.66	5.18	1.52	1.5	100	
5.18	6.71	1.53	1.2	78	
6.71	8.23	1.52	1.3	86	
8.23	9.45	1.22	0.5	41	
9.45	11.28	1.83	0.8	44	
11.28	14.33	3.05	2.2	72	
14.33	17.37	3.04	3.2	100	
17.37	19.81	2.44	2.2	90	
19.81	20.42	0.61	0.6	100	
20.42	23.47	3.05	1.0	33	
23.47	~~26.52~~ 24.69	1.22	~~1.8~~ 1.2	100	
24.69	26.52	1.83	1.2	66	
26.52	29.57	3.05	~~1.8~~ 2.5	82	
29.57	32.61	3.04	~~1.3~~ 2.9	95	
32.61	35.66	3.05	~~2.7~~ 3.1	100	
35.66	38.71	3.05		100	
38.71	41.76	3.05		100	
41.76	44.81	3.05	1.4	46	
44.81	47.85	3.04	2.3	76	
47.85	50.90	3.05	1.9	62	
50.90	51.82	0.92	0.7	76	ZONE
51.82	53.95	2.13	1.8	85	
53.95	55.78	1.83	1.05	57	
55.78	56.39	0.61	0.62	100	
56.39	57.91	1.52	1.95	100	
57.91	60.05	2.14	2.05	96	
60.05	62.48	2.43	1.50	62	
62.48	64.31	1.83	1.47	80	
64.31	66.14	1.83	1.80	98	
66.14	68.28	2.14	1.80	84	
68.28	69.80 EOH.	1.52	2.40	158	

PROPERTY - THOR - MARMOT

BOX INTERVALS

HOLE NUMBER MAR98-04

Box	From	To	Box	From	To
1	3.66	9.70	25		
2	9.70	16.00	26		
3	16.00	20.42	27		
4	20.42	25.60	28		
5	25.60	30.82	29		
6	30.82	35.66	30		
7	35.66	40.60	31		
8	40.60	48.00	32		
9	48.00	53.95	33		
10	53.95	59.00	34		
11	59.00	64.90	35		
12	64.90	69.30	36		
13	69.30	69.80 E.O.H.	37		
14			38		
15			39		
16			40		
17			41		
18			42		
19			43		
20			44		
21			45		
22			46		
23			47		
24			48		

DIAMOND DRILL RECORD

DIP TEST		
	ANGLE	
FOOTAGE	READING	CORRECTED
0		-62

HOLE # MAR 98-05

PROPERTY THOR MARMOT

LOCATION RIDGE TOP ZONE 'B' PAGE # 1 of 3

Date Begun JUNE 27 Date Logged JUNE 29 Bearing 122 Total Depth 56.08 m

Date Finished JUNE 28 Logged By G. ALLEN Elev. Collar ~ 1870 m Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
0	6.10			CASG	CASING - NO RECOVERY				
6.10	56.08			PAPP	PLAGIOCLASE AUGITE PORPHYRY Medium to dark greenish-grey fine to medium-grained porphyritic volcanic. Some parts with 15% ≤ 1 mm grey subhedral feldspar prisms ~ 10% and 25% black 1-2 mm sub to euhedral augite. Other intervals with 25-30% plagioclase phyros and 10-15% black augite. Probably natural textural variations in flows. Groundmass probably medium f-g sericite + chlorite, feldspar etc. No sulphides observed.				
					6.10 - 6.70 - Light to medium greenish-grey groundmass augite rich porphyry. 5% calcite stringers to 5 mm, 20° CA. Non-magnetic.				
					6.70 - 10.66 - Dark greenish-grey fine-grained feldspar > augite porphyry. Magnetic				

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # MAR 98-05

PROPERTY _____

LOCATION _____ PAGE # 2 of 3

Date Begun _____ Date Logged _____ Bearing _____ Total Depth _____

Date Finished _____ Logged By _____ Elev. Collar _____ Core Size _____

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
					Blocky core. Few calcite stringers.				
					10.06 - 15.32 - Medium greenish-grey, medium-grained augite > feldspar porphyry. Non-magnetic. Few calcite stringers (< 1%) but more than in the interval above.				
					15.32 - 26.82 - Dark greenish-grey fine-grained massive homogenous fsp > augite ppy. Magnetic. Few calcite stringers.				
					19.7 - 20.3 - Epidote alteration.				
					26.82 - 36.60 - As above (15.32 - 26.82) but broken, blocky core.				
					36.60 - 39.37 - Light to medium greenish-grey, weakly epidotized. Weakly brecciated & flooded with ~ 5% white calcite.				
					39.37 - 43.60 - Dark f-g volc. Broken, blocky rubbly core.				
					43.60 - 44.00 - Fault zone? Carbonate stringers up to 1 cm ~ 10%. 60° CA.				
					44.00 - 45.1 - Broken, blocky core.				
					45.10 - 48.70 - Dark greenish-grey massive fine to				

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # MAR 98-05

PROPERTY _____

LOCATION _____ PAGE # 3 of 3

Date Begun _____ Date Logged _____ Bearing _____ Total Depth _____

Date Finished _____ Logged By _____ Elev. Collar _____ Core Size _____

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
					medium - grained fsp > augite ppy. Augite ~ 15-20%, up to 2 mm, stubby.				
					48.70 - 52.90 - As above but blocky, rubbly core. Fault zone?				
					52.90 - 54.25 - Weakly brecciated. 5% white calcite stringers.				
					54.25 - 56.08 - Broken core.				
					56.08 E.O.H.				
				*	Hole abandoned short of target due to poor ground conditions				

Core Recoveries

Mar 98-05

From	To	Theor. Length	Actual Length	% Recov.	
6.10	7.62	1.52	1.30	86	
7.62	8.53	0.91	0.86	95	
8.53	9.45	0.92	0.55	60	
9.45	10.06	0.61	0.50	82	
10.06	10.67	0.61	0.32	52	
10.67	11.58	0.91	0.28	31	Mislatch
11.58	14.63	3.05	2.95	97	
14.63	17.68	3.05	3.25	100	
17.68	20.73	3.05	2.46	81	
20.73	21.34	0.61	0.45	74	
21.34	23.77	2.43	3.10	128	
23.77	26.82	3.05	3.30	100+	
26.82	27.89	1.07	0.50	47	Mislatch
27.89	29.87	1.98	1.76	89	
29.87	32.92	3.05	2.5	82	
32.92	35.97	3.05	1.4	46	
35.97	36.42	0.45	0.5	100+	
36.42	39.01	2.59	3.0	100+	
39.01	40.54	1.53	1.26	82	
40.54	42.06	1.52	0.15	10	mislatch
42.06	43.28	1.22	1.60	131	
43.28	44.20	0.92	1.05	100+	
44.20	46.02	1.82	2.05	100+	
46.02	47.85	1.83	1.75	96	
47.85	49.07	1.22	1.16	95	
49.07	49.38	0.31	0.40	129	
49.38	49.68	0.30	0.50	167	
49.68	50.60	0.92	0.10	11	
50.60	51.21	0.61	0.80	131	
51.21	52.12	0.91	1.20	132	
52.12	54.25	2.13	1.70	80	
54.25	55.78	1.53	1.60	105	
55.78	56.08 EOH	0.30	0.20	67	

PROPERTY - THOR - MARMOT

BOX INTERVALS

HOLE NUMBER MAR98-05

Box	From	To	Box	From	To
1	6.10	11.90	25		
2	11.90	16.70	26		
3	16.70	22.60	27		
4	22.60	26.95	28		
5	26.95	33.10	29		
6	33.10	39.65	30		
7	39.65	45.10	31		
8	45.10	49.38	32		
9	49.38	53.90	33		
10	53.90	56.08 EOH	34		
11			35		
12			36		
13			37		
14			38		
15			39		
16			40		
17			41		
18			42		
19			43		
20			44		
21			45		
22			46		
23			47		
24			48		

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE READING	ANGLE CORRECTED
0		-50
233.78	-50	-51½

HOLE # MAR 98-06

PROPERTY THOR MARMOT

LOCATION

PAGE # 1 OF 14

Date Begun JUNE 25 Date Logged JUNE 29 - July 2 Bearing 090° Total Depth 233.78m

Date Finished Logged By G. ALLEN Elev. Collar ~1570m Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
0	2.13			CASN ~~GDRT~~	CASING No recovery				
2.13	98.75			GDRT	GRANODIORITE				
					Medium greenish-grey medium-grained homogeneous igneous intrusion. Light brown to grey equigranular subhedral stubby to prism-shaped plagioclase (+?) ~ 35-40%, <1-3mm (range 1-2mm), ~10-15% subhedral hexagonal books of altered biotite up to 4 mm in diameter. ~10% ≤1mm rounded quartz. Groundmass of f-g greenish silicate. Mafics predominate subhedral dots 1-2 mm in diameter. Rock called granodiorite as a field term (monzonite? quartz diorite?). Phyllic alteration (sericite only). Trace disem PY. Generally non-magnetic.				
					2.13 - 60.0 Blocky core.				
					8.2 - 10.4 - Trace to 0.5% PY				
					22.6 - Shear ≈ 5mm gouge 10° CA.				
					25 - 29 Weakly hematitic. Disem & on fracture surfaces. Sporadic.				

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # MAR 98-06

PROPERTY _____

LOCATION _____ PAGE # 2 OF 14

Date Begun _____ Date Logged _____ Bearing _____ Total Depth _____

Date Finished _____ Logged By _____ Elev. Collar _____ Core Size _____

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
					28.7 - 28.95 - shear, crush zone. Hematite. 20° to subparallel CA.				
					37.05 - 37.40 - Shear, gouge at 30° CA.				
					38.5 - 39 - Crush, fracture zone. Minor gouge. Fracturing subparallel CA.				
					41.2 - 43.5 - Crush zone. Smashed and poorly healed sericite / chlorite intrusion. Minor hematite on fracture surfaces. Shearing 10° CA.				
					40.6 - 40.6 - Increase to 2% PY				
					42.7 - 5cm gouge zone 10° CA.				
					43.5 - 59.15 - Blocky but relatively unaltered Traces to 3% magnetite altered to hematite. Red on fracture surfaces (some). Not really significant hematite.				
					59.15 - 98.75 - Sporadic crush zones to 2 m.				
				*	62.0 - 81.65 - Sporadic disseminated pyrite upto 4% but average ≤ 1%.				
					59.15 - 60.60 - Crush zone. Ground & partially healed zone. No veining. Minor gouge. Subparallel @ 30° CA.				
					63.69 - 63.55 - 5-8% white calcite in veins to 1.5cm. 45° CA. 63.55 gouge ~ 40° CA.				

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # MAR 98 -06

PROPERTY _____

LOCATION _____ PAGE # 3 OF 14

Date Begun _____ Date Logged _____ Bearing _____ Total Depth _____

Date Finished _____ Logged By _____ Elev. Collar _____ Core Size _____

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE		CU (PPM)		AU (PPB)
					64.7 - 65.2 - strong Crush zone. ~10° CA. Breccia fragments with 10% PY.	26831	59.15	63.09	3.94		5		<2
					67.4 - 67.6 - 2 cm crush zone 10° CA.	26832	63.09	66.14	3.05		62		148
					71.45 - ~76.5 - Zone of intermittent crush zones to 1 m. Some 2 cm gouge zones (to) at 20° CA.	26833	66.14	69.19	3.05		3		22
						26834	69.19	72.24	3.05		3		4
					82.90 - sporadic crush zones with stronger hematite alt than above. Pod contigs on fracture surfaces.	26835	72.24	75.29	3.05		2		3
					83.6 - 86.6 - crush zone subparallel to 45° CA. Gouge to 2 cm, 45° CA. 86.5 - 86.6 - 10% white calcite flooding 45° CA.	26836	75.29	78.33	3.04		4		20
						26837	78.33	81.38	3.05		3		6
					86.60 - 93.0 Disseminated chalcopyrite in aplite dike to 1 mm. Coincident with increase in hematite. Calcite, hematite stringers also carry CP. 2-3% calcite stringers to 5 mm. Hem - CP - bearing stringer @ 86.60 30° CA.	26838	81.38	83.82	2.44		2		2
						26839	83.82	86.60	2.78		72		6
						26840	86.60	87.48	0.88		823		145
					HEMATITE Magnetite ~5% occurs as disseminated grains to 1 mm (probably after magnetite), on fracture surfaces & in calcite stringers. CP is	26841	87.48	90.53	3.05		132		12

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # MAR 98-06

PROPERTY _____

LOCATION _____ PAGE # 4 of 14

Date Begun _____ Date Logged _____ Bearing _____ Total Depth _____

Date Finished _____ Logged By _____ Elev. Collar _____ Core Size _____

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE		Cu (ppm)		Au (PPB)
					Commonly but not invariably associated with the hematite. Rock is weakly to strongly magnetic. Not all mag. alt to hem. CP occurs in trace amounts sporadically throughout interval. Probably < 0.1% copper (200-320ppm)	26842	90.53	91.80	1.27		597		82
						26843	91.80	93.00	1.20		926		70
						26844	93.00	95.35	2.35		264		17
					* 90.53 - 2-3mm grey quartz stringer 45° CA with magnetite and trace chalcopyrite developed along margins.	26845	95.35	96.70	1.35		369		20
						26846	96.70	98.75	2.05		1251		23
					93.00 - 93.00 - Shear, leucocratic interval. Pinkish to brown coarse-grained feldspar-rich interval. Possibly pegmatitic. Sheared 30-45°CA. Trace to 2% CP with pinkish feldspar. 92.65-93.00 - Black f-g rock. Possibly inclusion of volcanic rock.	26847	98.75	99.58	0.83		96		3
						26848	99.58	102.25	2.67		182		<2
						26849	102.25	104.10	1.85		972		30
					93.00-96.70 - Intrusive as above but with distinct brownish colour to feldspar, sericite altered. 15% 2-4mm black clots of alt. mafics (chlorite, sericite). 5% ≤1mm mossy magnetite partly alt to hematite. No py CP noted.	26850	104.10	106.15	2.05		41		<2
						26851	106.15	108.20	2.05		2058		38
						26852	108.20	109.48	1.28		4670		103
					94.00-95.35 - Crush zone. Sheared subparallel								

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # MAR 98 - 06

PROPERTY _____

LOCATION _____ PAGE # 5 OF 14

Date Begun _____ Date Logged _____ Bearing _____ Total Depth _____

Date Finished _____ Logged By _____ Elev. Collar _____ Core Size _____

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
					96.70 - 98.75 - Crush zone. Gouge bnd. Shearing 10-20°CA. Minor gouge. Trace to 5% disem PY. Trace CP.				
					97.7 - 97.9 - slice of grey f-g calc. vein subparallel CA. 5% @ PY, CP in veins to 5mm.				
98.75	102.25			DMAF	MAFIC DYKES				
					98.75 - 99.58 - Dark greenish - grey to black aphanitic diabase dyke. 5-8% calcite amygdules to 1mm. Upper contact brecciated and flooded with white calcite and minor hem. Rock mod magnetic. Barren. Contacts poorly defined but ~45°CA.				
					99.58 - 102.25 Second mafic dyke. Medium to dark greenish - grey fine - grained aggregate of anhedral alt fsp (~40% +:) chloritic alt mafics ~ 30-40% & 20% epidote. Magnetic. Barren. Lower contact 20°CA.				

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE READING	ANGLE CORRECTED

HOLE # MAR 98-06

PROPERTY _____

LOCATION _____ PAGE # 6 OF 14

Date Begun _____ Date Logged _____ Bearing _____ Total Depth _____

Date Finished _____ Logged By _____ Elev. Collar _____ Core Size _____

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
102.25	104.10			GDRT	GRANODIORITE As above dyke. Dark grey/mod silicate alt. m-g intrusive. 2-5% disem PY (average 2-3% PY) T~ CP. 103.70 - 1cm carbonate stringer 45° CA with 15% @ PY, CP in masses to 5mm. crushed, minor gouge. 45-60° CA.				
104.10	106.15			DMAF	MAFIC DYKE (DIABASE) Dark green aphanitic homogeneous mafic dyke. Weakly to mod. magnetic. 15% light grey masses to 2 mm. Could be vague phenocrysts or possibly an alteration. White calcite amygdules to 2 mm clear on non contacts. Sharp sheared contact (upper) 60° CA. Lower contact sharp, irregular ~30° CA.				
106.15	169.25			GDRT	GRANODIORITE As above dyke.				

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # MAR 90-06

PROPERTY _____

LOCATION _____ PAGE # 7 OF 14

Date Begun _____ Date Logged _____ Bearing _____ Total Depth _____

Date Finished _____ Logged By _____ Elev. Collar _____ Core Size _____

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE		Cu (PPM)		Au (PPB)
					109.48								
					106.15 - ~~108.20~~ - crush zone. Some shearing subparallel CA. Few quartz stringers to 1 cm, partially broken up, 45+60° CA. Probably related to mineralization. CP, BN, Hem in and adjacent quartz stringers.	26853	109.48	111.25	1.77		2373		28
						26854	111.25	113.08	1.83		102		4
						26855 ~~113.08~~	113.08	114.91	1.83		93		5
					* Traces NATIVE COPPER on chloritic shear at 106.50. Estimated 0.5-0.8% copper in interval.	26856	114.91	117.96	3.05		1590		39
					107.40 - 108.20 - Malachite on fractures enforce.								
					107.80 - 108.20 - 3-4% bornite assoc. with hematite in irregular seams to 5 mm wide.	26857	117.96	121.01	3.05		367		16
						26858	121.01	124.05	3.04		1114		22
					108.20 - 108.81 - Gouge, rubble. Shearing 10° CA. Grey quartz stringers to 1 cm with specular hematite (5-8%) also 10° CA but not parallel shearing. Traces bornite in Qz	26859	124.05	127.10	3.05		2141		53
						26860	127.10	130.15	3.05		1517		39
					108.81 - 109.48 - crush zone. Sheared, gouggy rock. Shearing ~ 30° CA. 20% blue-gy quartz stringers to 1 cm 45-60° CA. Strong hematite min. ~7%. 1-2% bornite assoc. with hematite.								

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # MAR 98-06

PROPERTY _____

LOCATION _____ PAGE # 8 of 14

Date Begun _____ Date Logged _____ Bearing _____ Total Depth _____

Date Finished _____ Logged By _____ Elev. Collar _____ Core Size _____

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
					109.48 - 133.60 - Competent relatively unaltered medium-grained homogeneous medium grey intrusive. 15% chloritic clots after mafic minerals (biotite + hornblende?) up to 3mm in a sericitic altered greenish feldspar groundmass. 5% coarse magnetite to 1mm partly alt. to hematite. No significant amounts of pyrite or chalcopyrite observed.				
					2-3% white to pink calcite stringers to 2mm, 30° to subparallel CA.				
					125.5 - 126.5 - Specular hematite stringers up to 5mm ~ 20-60° CA some with grey quartz. ± 5% hematite.				
					126.7 - Trace bornite in hematite stringer.				
					123.05 - 1mm spec hematite with bornite associated. Interval could grade better than expected.				
					133.60 - 134.60 - Crush, gouge zone. 30-40° CA. Minor calcite stringers.				

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE READING	ANGLE CORRECTED

HOLE # MAR 98-06

PROPERTY _____

LOCATION _____ PAGE # 9 of 14

Date Begun _____ Date Logged _____ Bearing _____ Total Depth _____

Date Finished _____ Logged By _____ Elev. Collar _____ Core Size _____

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE		Cu (PPM)		Au (PPB)
					137.10 - 139.29 - Zone with several quartz stringers up to 1 cm wide with bornite, chalcocite, and traces of chalcopyrite. Stringers 35-40° CA. 2-3% white calcite stringers 1-2% BN in interval 0.3-0.5% Cu ?	26861	130.15	133.20	3.05		1311		48
						26862	133.20	134.60	1.40		801		26
						26863	134.60	137.10	2.50		493		16
					139.29 - 142.34 - interval with 2-3 mm hematite stringers (earthy red) 20-30° CA.	26864	137.10	139.29	2.19		5606		303
					142.34 - 146.84 mod to strong propylitic alt. Feldspar phyres a dark waxy green. Sericitic alt. Mag partial alt to hematite (≤5%).	26865	139.29	142.34	3.05		575		18
					146.84 - 156.30 - DR CRUSH ZONE. Weak to strong crush/shear zone. Smoked with gouge matrix. Shearing sub-parallel, 30-60-80° CA. 5% white carbonate in stringers to 1 cm. Some rock brecciated ; structural movement late-stage - Hematite stringers to 2 mm, generally sub-parallel to 20° CA. Propylitic alt of feldspar in interval above.	26866	142.34	145.39	3.05		443		11
						26867	145.39	146.84	1.45		860		27
						26868	146.84	148.44	1.60		48		<2
						26869	148.44	151.44	3.00		87		6
						26870	151.44	154.53	3.09		213		11
					156.30 - 159.72 - Broken Core. Rubble Gouge. Shearing 20-30° CA, and 60° CA.	26871	154.53	156.30	1.77		131		3

MAGNETIC

NON MAGNETIC

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE READING	ANGLE CORRECTED

HOLE # MAR 98-06

PROPERTY _____

LOCATION _____ PAGE # 10 OF 14

Date Begun _____ Date Logged _____ Bearing _____ Total Depth _____

Date Finished _____ Logged By _____ Elev. Collar _____ Core Size _____

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE		Cu (ppm)		Au (PPB)
					162.16 - 164.90 - Shear zone. Rubble, gouge. Shearing 10-20° CA.								
						26872	156.30	159.72	3.42		342		15
					168.45 - 169.25 - Trace to 5% disem PY, perhaps associated with dyke.	26873	159.72	162.74	3.04		385		17
169.25	170.30			DMAF	MAFIC DYKE (DIABASE)	26874	162.76	164.90	2.14		147		5
					Aphanitic black dyke. Moderately magnetic. 2-5% <1-2mm white amygdules. Contacts appear to be sharp but angles difficult to determine because core broken.	26875	164.90	166.73	1.83		84		<2
						26876	166.73	169.25	2.52		63		<2
170.30	188.60			GDRT	GRANODIORITE								
						26877	170.38	172.82	2.44		126		3
					As above dyke. Minim to dark greenish-grey propylitic sericitic alt. intrusion. Generally nonmagnetic.	26878	172.82	175.87	3.05		212		3
						26879	175.87	178.15	2.28		98		<2
				*	~174.3 - approx limit of strong prop. alt. Rock becomes tighter with depth. Moderately magnetic. 3% white to pink calcite stringers. Feldspars light green-grey. Still sericitic.	26880	178.15	181.97	3.82		258		10

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE READING	ANGLE CORRECTED

HOLE # MAR 98-06

PROPERTY _____

LOCATION _____ PAGE # 11 OF 14

Date Begun _____ Date Logged _____ Bearing _____ Total Depth _____

Date Finished _____ Logged By _____ Elev. Collar _____ Core Size _____

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE		Cu (PPM)		Au (PPB)
					179.30 - 181.97 - Broken core. Sharp upper contact. Sheared 45° CA. Darker green alt. than in adjacent intervals. Weakly magnetic.								
					181.97 - 188.60 Light to grey medium - grained equigranular granodiorite(?). 15% black to dark green chloritic alt. laths and hornblende up to 5mm long in matrix of med-grained light grey feldspar. Sporadically soft but in most of interval hard & fresh (non sericitic altered).								
						26881	181.97	185.01	3.04		70		2
188.60	189.46			DMAF	MAFIC DYKE (DIABASE)								
					Dark greenish-grey to black aphanitic dyke. 2-3% mafic phenocrysts to 0.5mm. 3% red white calcite amygdules to 2mm, average <1mm.	26882	185.01	188.60	3.59		49		2
					Lower contact sharp, irregular, ~30° CA.								

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # MAR 98-06

PROPERTY _____

LOCATION _____ PAGE # 12 of 14

Date Begun _____ Date Logged _____ Bearing _____ Total Depth _____

Date Finished _____ Logged By _____ Elev. Collar _____ Core Size _____

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
189.40	233.76			GDRT	GRANODIORITE				
					Alternating relatively fresh-looking granodiorite with dark green sericitic-chloritic (propylitic) altered granodiorite. Fresh intervals are medium-grained equigranular aggregates of: ~50% light grey to greenish-grey strongly subhedral plagioclase grains to 3mm, 25% pinkish feldspar (finer grained than plag), 15% chloritic clots of alt'd hornbl. + biotite & ~10% quartz. The rock could be a true granite. Cut by 3-4% pinkish calcite stringers to 1mm. Rock is mod. magnetic, relatively hard (non-sericitic).				
					The propylitic intervals are dark green, less magnetic & relatively soft (sericitic). Original textures obscure.				
					189.40 - 191.30 - Fresh				
					191.30 - 191.80 - Crush zone. Gouge. Shear ~ 20° CA				
					191.80 - 196.60 - Random greenish propylitic intervals				
					196.60 - 204.85 - Random relatively fresh granite to granodiorite.				

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # MAR 98-06

PROPERTY _____

LOCATION _____ PAGE # 13 OF 14

Date Begun _____ Date Logged _____ Bearing _____ Total Depth _____

Date Finished _____ Logged By _____ Elev. Collar _____ Core Size _____

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE		Cu (PPM)		Au (PPB)
					204.85 – 206.20 – propylitic alt. crush zone. tr PY								
					206.20 – 209.47 – Fresh granitic.								
					209.47 – 212.0 – Dark green sericitic propylitic								
					alteration zone. Crush & shear zone generally	26883	209.47	212.0	2.53		254		17
					60-80°CA. 5% disseminated hematite. Weak to								
					moderately magnetic. Sporadic PY to 5% (av. <1% PY)	26884	212.0	215.38	3.38		102		3
					Trace disseminated CP. Minor carbonate stringers								
					broken in crush zone.	26885	215.38	218.40	3.02		62		8
					212.0 – 215.38 – Relatively fresh light pink grey	26886	218.40	219.76	1.36		698		42
					m-g granitic. Feldspars bleached. Mafics chloritic.								
						26887	219.76	221.67	1.91		364		27
					215.38 – 221.67 – Dark greenish-grey sericitic/								
					chloritic propylitic alt. granitic. Crush/shear	26888	221.67	224.45	2.78		109		2
					zone. Shearing ±5-60°CA, but most commonly								
					massive crush. Sporadic disseminated PY to 5%; average	26889	224.45	227.55	3.10		105		2
					<1% PY. Sporadic trace diss. CP.								
					219.0 – 219.76 – CP in masses to 8 mm	26890	227.55	231.80 ~~230.91~~	4.25		198		6
					in fragments of quartz stringers. Brecciated								
					& impregnated in crush zone.	~~NS 26891~~	~~230.91~~	~~231.80~~					
						26892	231.80	233.0	1.20		764		25
					221.67 – 231.90 – Fresh granitic.	26893	233.0	233.78	0.78		389		11

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # MAR98-06

PROPERTY _____

LOCATION _____ PAGE # 14 OF 14

Date Begun _____ Date Logged _____ Bearing _____ Total Depth _____

Date Finished _____ Logged By _____ Elev. Collar _____ Core Size _____

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
					231.90 - 233.00 - Dark grey - grey prop. alt. Two, 2 cm quartz - carb stringers 60° CA. One stringer with 5% PY, 2-3% CP. Second stringer with grey soft metallic, probably chalcocite. 1-2%.				
					233.00 - 233.78 - Fresh granite.				
					233.78 m E.O.H.				

THOR - MARMOT PROPERTY

MAR 98-06 RECOVERIES

FROM	TO	THEOR LENGTH	ACTUAL LENGTH	% RECOV.
2.13	5.18	3.05	3.20	100
5.18	6.40	1.22	1.50	100
6.40	8.23	1.83	1.60	87
8.23	10.67	2.44	2.20	90
10.67	12.80	2.13	2.0	100
12.80	14.33	1.53	1.10	72
14.33	16.76	2.43	0.45	19
16.76	20.12	3.36	1.9	57
20.12	20.73	0.61	0.4	66
20.73	22.86	2.13	2.60	100
22.86	24.38	1.52	1.20	79
24.38	26.52	2.14	2.4	100
26.52	27.89	1.37	0.90	66
27.89	29.57	1.68	1.90	100
29.58	30.18	0.61	0.60	100
30.18	32.61	2.43	2.15	88
32.61	35.66	3.05	2.70	89
35.66	38.71	3.05	2.50	82
38.71	40.84	2.13	1.90	89
40.84	43.59	2.75	2.50	91
43.59	44.81	1.22	1.12	92
44.81	46.78	1.97	2.20	100
46.78	49.99	3.21	3.10	97
49.99	53.04	3.05	3.10	100
53.04	53.95	0.91	1.20	100
53.95	57.00	3.05	2.60	85
57.00	60.05	3.05	3.10	100
60.05	63.09	3.04		100
63.09	66.14	3.05		100
66.14	69.19	3.05		100
69.19	72.24	3.05		100
72.24	75.29	3.05		100
75.29	78.33	3.04		100
78.33	81.38	3.05		100
81.38	83.82	2.44	2.70	100
83.82	87.17	3.35	3.30	100

FROM	TO	THEOR LENGTH	ACTUAL LENGTH	% RE
87.17	87.48	0.31	5.0	100
87.48	90.53	3.05	3.1	100
90.53	93.57	3.04		100
93.57	96.62	3.05		100
96.62	99.67	3.05		100
99.67	102.72	3.05		100
102.72	105.77	3.05	3.2	100
105.77	108.81	3.04	3.0	100
108.81	111.25	2.44	2.7	100
111.25	113.08	1.83	1.7	93
113.08	114.91	1.83	2.1	100
114.91	117.96	3.05		100
117.96	121.01	3.05		100
121.01	124.05	3.04		100
124.05	127.10	3.05		100
127.10	130.15	3.05		100
130.15	133.20	3.05		100
133.20	136.25	3.05		100
136.25	139.29	3.04		100
139.29	142.34	3.05		100
142.34	145.39	3.05		100
145.39	148.44	3.05		100
148.44	151.49	3.05		100
151.49	154.53	3.04		100
154.53	157.58	3.05	2.8	92
157.58	159.72	2.14	1.3	61
159.72	162.76	3.04	2.85	94
162.76	164.29	1.53	1.1	72
164.29	166.73	2.44	2.45	100
166.73	169.77	3.04	3.20	100
169.77	170.38	0.61	0.50	82
170.38	172.82	2.44	3.0	100
172.82	175.87	3.05		100
175.87	~~179.83~~ 178.15	2.28	2.25	100
~~180.73~~ 178.15	179.83	1.68	1.35	80
179.83	180.73	0.90	0.8	89
180.73	181.97	1.24	1.1	89
181.97	185.01	3.04	2.7	89

MAR 98-06 (CONT'D)

FROM	TO	THEOR. LENGTH	ACTUAL LENGTH	% RECOV.
185.01	185.93	0.92	1.0	100
185.93	186.84	0.91	1.10	100
186.84	187.45	0.61	0.30	49
187.45	189.28	1.83	1.70	93
189.28	189.59	0.31	0.25	81
189.59	189.89	0.30	0.30	100
189.89	190.20	0.31	0.50	100
190.20	193.24	3.04		100
193.24	196.29	3.05		100
196.29	199.34	3.05		100
199.34	202.39	3.05		100
202.39	205.44	3.05		100
205.44	208.48	3.04		100
208.48	211.53	3.05		100
211.53	214.58	3.05		100
214.58	216.71	2.13	2.0	94
216.71	219.76	3.05		100
219.76	222.81	3.05		100
222.81	225.86	3.05		100
225.86	228.91	3.05		100
228.91	231.95	3.04		100
231.95	233.78	1.83		100
	E.O.H.			

PROPERTY - THOR MARMOT

BOX INTERVALS

HOLE NUMBER MAR 98-06

Box	From	To	Box	From	To
1	2.13	6.40	25	133.20	138.81
2	6.40	11.60	26	138.81	144.24
3	11.60	20.73	27	144.24	149.96
4	20.73	~~31.50~~ 25.50	28	149.96	155.72
5	~~31.50~~ 25.50	~~37.65~~ 31.00	29	155.72	162.16
6	~~37.65~~ 31.00	37.65	30	162.16	168.19
7	37.65	43.70	31	168.19	172.99
8	43.70	49.00	32	172.99	178.15
9	49.00	54.15	33	178.15	184.10
10	54.15	60.15	34	184.10	189.28
11	60.15	65.90	35	189.28	193.84
12	65.90	71.40	36	193.84	198.42
13	71.40	76.75	37	198.42	204.00
14	76.75	82.10	38	204.00	209.22
15	82.10	87.30	39	209.22	214.58
16	87.30	92.70	40		
17	92.70	98.05	41		
18	98.05	103.30	42		
19	103.30	108.30	43		
20	108.30	113.40	44		
21	113.40	118.40	45		
22	118.40	123.80	46		
23	123.80	129.00	47		
24	129.00	133.20	48		

APPENDIX 3

SUMMARY LOGS

Summary Log
Mar 9 8- 01

UTM Coordinates (NAD 83, Zone 9): 645 470 E 6 291 230 N 1355m elevation

Azimuth: 230°
Dip: -47°
Length: 136.25 metres

Sample Series Used: 26801 - 26807

Total Number of Samples: 7

Target: The hole was drilled to test a large magnetic anomaly defined in the 1997 airborne geophysical survey.

Geology:

0	-	16.76	CASING (Overburden)
16.76	-	136.25	CONGLOMERATE Hematitic, moderately magnetic pebble to cobble conglomerate with minor sandstone layers. Probably Sustut Formation.

Conclusions: The conglomerate is composed predominantly of pebbles and cobbles of Takla Formation plagioclase-augite porphyritic volcanic rocks. These rocks contain up to 5% disseminated magnetite and are consistently moderately to strongly magnetic, explaining the magnetic anomaly in the area. No significant mineralization was noted and no follow-up is required.

Summary Log
Mar 98 - 02

UTM Coordinates (NAD 83, Zone 9): 644 440 E 6 301 555 N 1665m elevation

Azimuth: 285°
Dip: -50°
Length: 90.53 metres

Sample Series Used: 26808 - 26823

Total Number of Samples: 16

Target: The hole was drilled to test a gold-bearing gossanous structure exposed in the creek gully to the west.

Geology:

0	-	9.14	CASING (Overburden)
9.14	-	90.53	PLAGIOCLASE-AUGITE PORPHYRY Relatively fresh plagioclase-augite porphyritic volcanic rock of the Takla Formation. 40.0 - 40.4 Sheared interval with 20% white to grey quartz stringers at 70 - 80° to core axis, 10% pyrite, and traces of chalcopyrite.

Conclusions: No significant structure was intersected. The gossanous zone exposed in the creek gully appears to be 10 or more metres wide. If the small pyritic shear zone intersected in the hole is the main structure, it has an eastward dip, and is narrowing rapidly with depth.

Summary Log
Mar 98 - 03

UTM Coordinates (NAD 83, Zone 9): 644 321 E 6 301 608 N 1653m elevation

Azimuth: 105°
Dip: -51.5°
Length: 105.77 metres

Sample Series Used: 26824

Total Number of Samples: 1

Target: The hole was drilled to test a gold-bearing gossanous structure exposed in the creek gully to the east.

Geology:

0	-	10.97	CASING (Overburden)
10.97	-	105.77	PLAGIOCLASE-AUGITE PORPHYRY Relatively fresh plagioclase-augite porphyritic volcanic rock of the Takla Formation.

Conclusions: No significant structure or mineralization was intersected. The structure exposed in the creek either has no continuity to depth, or dips to the east as suggested by drill hole Mar 98-02. In either case it appears that the structure is not consistent or large enough to be of further interest.

Summary Log
Mar 98 - 04

UTM Coordinates (NAD 83, Zone 9): 644 170 E 6 301 000 N 1870m elevation

Azimuth: 122°
Dip: -47.5°
Length: 69.80 metres

Sample Series Used: 26825 - 26830

Total Number of Samples: 6

Target: The hole was drilled to test a copper and gold-bearing quartz vein and gossanous shear zone exposed in the cliff face to the north.

Geology:

0	-	3.66	CASING (Overburden)
3.66	-	69.80	PLAGIOCLASE-AUGITE PORPHYRY Broken, rubbly plagioclase-augite porphyritic volcanic rock of the Takla Formation. 48.60 – 54.65 5% calcite stringers in a dark greenish-brown altered volcanic rock. This interval is probably correlative with the shear zone observed on surface, but contains no significant veining or mineralization.

Conclusions: No significant structure or mineralization was intersected. The structure exposed in the cliff face strikes into the gossan in the creek gully which was tested with drill holes Mar 98-2 and 3. Although the structure appears to have significant strike length it is clearly not consistently mineralized, and no further work is recommended.

Summary Log
Mar 98 - 05

UTM Coordinates (NAD 83, Zone 9): 644 170 E 6 301 000 N 1870m elevation

Azimuth: 122°
Dip: -62°
Length: 56.08 metres

Sample Series Used: None taken

Total Number of Samples: 0

Target: The hole was drilled to test a copper and gold-bearing quartz vein and gossanous shear zone exposed in the cliff face to the north.

Geology:

0	-	6.10	CASING (Overburden)
6.10	-	56.08	PLAGIOCLASE-AUGITE PORPHYRY Broken, rubbly plagioclase-augite porphyritic volcanic rock of the Takla Formation.

Conclusions: The hole was stopped short of its target depth due to drilling conditions. No structure or mineralization was noted.

Summary Log
Mar 98 - 06

UTM Coordinates (NAD 83, Zone 9): 643 700 E 6 300 600 N 1570m elevation

Azimuth: 090°
Dip: -50°
Length: 233.78 metres

Sample Series Used: 26831 – 26890, 26893, 26893

Total Number of Samples: 62

Target: The hole was drilled to test for porphyry-type mineralization beneath the sheared and sporadically mineralized Takla Formation volcanic rocks.

Geology:

0	-	2.13	CASING (no recovery)
2.13	-	98.75	GRANODIORITE Greenish, sericite-altered (propylitic) medium-grained hornblende-biotite granodiorite. 62.00 – 81.65 Disseminated pyrite up to 4% (average <1%) 86.60 – 93.00 Disseminated chalcopyrite (<1%) associated with hematite. 96.70 – 98.75 Crush zone with traces to 5% disseminated chalcopyrite
98.75	-	102.25	MAFIC DYKE Barren diabase.
102.25	-	104.10	GRANODIORITE 2-3% disseminated pyrite and traces of disseminated chalcopyrite. Some carbonate stringers up to 1 centimetre wide at 45-60° to core axis with masses of chalcopyrite up to 5 millimetres in diameter.
104.10	-	106.15	MAFIC DYKE
106.15	-	169.25	GRANODIORITE 106.15 – 109.48 Crush zone with few (1-2%) quartz stringers to 1 centimetre wide at 45 - 60° to core axis. Bornite in masses to 5 millimetres, chalcopyrite, hematite and traces of native copper are predominantly associated with quartz stringers. The interval contains an estimated 0.5 – 0.8% copper. 123.05 Traces of bornite with hematite 128.7 Traces of bornite in a hematite stringer 137.10 – 139.29 Several quartz stringers up to 1 centimetre wide at 35 - 40° to core axis with bornite, chalcocite and chalcopyrite. 168.45 – 169.25 Traces to 5% disseminated pyrite.
169.25	-	170.30	MAFIC DYKE
170.30	-	188.60	GRANODIORITE 174.3 Approximate lower limit of consistent strong propylitic alteration

188.60 - 189.40 MAFIC DYKE

189.40 - 233.78 GRANODIORITE

Alternating relatively fresh and dark green sericite altered (propylitic) granodiorite. The propylitic intervals are typically sheared and contain quartz stringers, commonly with copper sulphides.

209.47 - 212.0 Sheared propylitic interval. Disseminated pyrite to 5% (average <1%) and traces of disseminated chalcopyrite.

215.38 – 221.67 As above, with chalcopyrite in brecciated quartz stringers.

231.90 – 233.00 Propylitic interval containing two 2 centimetre quartz stringers at 60° to core axis with 5% pyrite, 2-3% chalcopyrite, and 1-2% chalcocite.

233.78 – *End of Hole*

Conclusions: The propylitic altered granodiorite, and the disseminated and stringer-related copper minerals encountered in this hole are typical of a porphyry-type mineralized system. Copper- and gold-bearing shear zones in the overlying volcanic rocks are probably related to the granodiorite intrusion. These shears in the volcanic rocks are wide spread in the area, suggesting that the porphyry-type mineralization in the underlying granodiorite may also be extensive.

APPENDIX 4

CERTIFICATES OF ANALYSES

ACME ANALYTICAL LABORATORIES LTD. (ISO 9002 Accredited Co.) 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Max Investment Inc. PROJECT THOR/MARMOT PROPERTY File # 9802695 Page 1

3750 West 49th Ave, Vancouver BC V6B 3T8 Submitted by: Chris Dyakowski

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
26801	1	58	3	80	.3	29	21	713	4.32	5	<8	<2	<2	109	<.2	<3	<3	116	2.33	.069	9	58	1.22	91	.18	3	3.54	.10	.08	<2	8
26802	<1	114	<3	91	<.3	32	26	1026	4.84	3	<8	<2	<2	83	.4	<3	<3	141	1.69	.077	5	52	1.93	90	.17	<3	2.93	.07	.08	<2	20
26803	<1	91	3	66	<.3	41	26	1001	4.62	3	<8	<2	<2	100	.2	<3	<3	138	1.93	.078	3	64	1.87	118	.19	3	2.80	.07	.10	<2	9
26804	<1	61	<3	75	<.3	33	26	1241	5.24	7	<8	<2	<2	93	.3	<3	<3	156	2.12	.083	4	73	1.97	69	.22	3	3.45	.09	.08	<2	14
26805	<1	64	<3	61	<.3	27	20	809	4.00	2	<8	<2	<2	85	.2	<3	<3	123	1.40	.081	5	48	1.49	101	.16	3	2.27	.07	.08	<2	5
26806	<1	76	<3	68	<.3	26	23	906	4.44	4	<8	<2	<2	102	.2	<3	<3	140	1.48	.090	5	49	1.48	132	.14	3	2.51	.06	.09	<2	10
26807	<1	68	<3	69	<.3	39	25	909	4.52	3	<8	<2	<2	94	.2	<3	<3	139	1.61	.081	5	58	1.52	78	.14	4	2.56	.06	.09	<2	13
26808	<1	92	<3	52	<.3	9	17	440	4.53	<2	<8	<2	<2	62	<.2	<3	<3	155	1.70	.086	2	15	1.03	40	.22	<3	2.00	.17	.08	<2	20
26809	<1	151	<3	61	<.3	10	19	606	4.80	4	<8	<2	<2	91	.2	<3	<3	149	2.25	.097	2	12	1.18	28	.21	<3	2.34	.14	.07	<2	15
26810	<1	137	<3	71	<.3	14	21	804	4.80	6	<8	<2	<2	71	.2	<3	<3	137	2.30	.105	3	30	1.71	20	.23	<3	3.01	.08	.04	<2	17
RE 26810	<1	135	<3	72	<.3	14	21	812	4.84	8	<8	<2	<2	70	.3	<3	<3	137	2.30	.105	3	29	1.74	20	.22	<3	3.01	.08	.04	<2	20
RRE 26810	<1	128	<3	70	<.3	14	20	786	4.71	9	<8	<2	<2	69	.2	<3	<3	134	2.28	.103	3	28	1.68	20	.22	<3	2.97	.08	.04	<2	10
26811	1	104	<3	74	<.3	8	17	806	4.69	<2	<8	<2	<2	62	<.2	<3	<3	90	1.70	.126	5	9	1.40	37	.23	<3	2.38	.11	.09	<2	5
26812	<1	99	<3	53	<.3	41	18	567	4.16	3	<8	<2	<2	69	<.2	<3	<3	140	1.77	.085	3	68	1.56	39	.23	<3	2.32	.15	.07	<2	11
26813	<1	130	<3	61	<.3	27	19	740	4.36	<2	<8	<2	<2	93	.3	<3	<3	129	3.09	.087	2	42	1.65	37	.24	<3	3.00	.12	.07	<2	3
26814	<1	122	<3	33	<.3	44	17	628	3.35	2	<8	<2	<2	119	.4	<3	<3	98	2.63	.066	1	263	1.70	79	.12	<3	2.20	.12	.08	<2	15
26815	<1	83	18	134	.4	89	34	5818	6.01	24	<8	<2	7	54	1.3	<3	<3	150	6.61	.051	2	360	2.95	28	.13	<3	3.07	.02	.05	<2	11
26816	<1	130	38	177	8.2	116	58	7089	10.26	343	<8	<2	6	29	2.0	<3	47	177	4.98	.056	<1	407	3.06	9	.06	<3	3.78	.01	.05	<2	190
26817	<1	122	<3	78	<.3	47	27	2130	5.85	4	<8	<2	<2	100	.6	<3	<3	187	4.41	.087	2	156	2.64	45	.21	<3	4.16	.07	.09	<2	6
26818	<1	144	<3	61	<.3	14	20	796	5.03	5	<8	<2	<2	130	.5	<3	<3	194	3.30	.091	1	25	1.51	105	.27	<3	3.26	.13	.10	<2	11
26819	<1	106	6	63	<.3	12	20	761	5.19	<2	<8	<2	<2	159	.4	<3	<3	193	3.91	.092	1	12	1.42	62	.27	<3	3.48	.08	.08	<2	8
26820	<1	149	<3	90	<.3	13	25	1007	5.94	<2	<8	<2	<2	107	.6	<3	<3	211	3.87	.089	1	10	1.95	33	.29	<3	3.63	.05	.09	<2	6
26821	<1	127	<3	78	<.3	11	18	787	4.79	3	<8	<2	<2	137	.5	<3	<3	175	3.88	.087	1	24	1.41	80	.25	<3	3.67	.14	.08	<2	6
26822	<1	158	3	63	<.3	12	19	817	4.91	2	<8	<2	<2	156	.4	<3	<3	190	3.39	.086	2	17	1.45	114	.29	<3	3.45	.15	.07	<2	9
RE 26822	<1	155	<3	63	<.3	13	19	809	4.88	2	<8	<2	<2	154	<.2	<3	<3	188	3.36	.085	2	16	1.44	113	.28	<3	3.39	.15	.07	<2	7
RRE 26822	<1	153	4	62	<.3	12	19	799	4.79	2	<8	<2	<2	151	.4	<3	<3	187	3.32	.085	2	15	1.42	109	.29	<3	3.33	.14	.07	<2	13
26823	<1	145	3	69	<.3	17	21	743	4.83	<2	<8	<2	<2	177	.7	<3	<3	183	2.55	.086	2	23	1.66	35	.29	<3	3.18	.15	.07	<2	3
26824	<1	133	<3	45	<.3	19	16	453	3.95	<2	<8	<2	<2	102	.2	<3	<3	144	2.53	.077	1	61	1.15	25	.26	<3	3.03	.27	.09	<2	4
26825	<1	252	11	40	<.3	21	11	363	4.09	<2	<8	<2	<2	111	.4	<3	<3	169	4.21	.085	1	63	1.18	13	.27	<3	4.17	.05	.12	<2	26
26826	<1	165	17	130	.3	25	17	414	4.53	3	<8	<2	<2	122	1.0	<3	<3	170	3.03	.085	1	61	1.62	69	.27	<3	3.41	.16	.10	<2	19
26827	<1	166	<3	88	<.3	44	19	454	4.30	<2	<8	<2	<2	82	2.0	<3	<3	147	1.86	.083	1	166	1.77	21	.21	<3	2.39	.15	.08	<2	16
26828	1	711	<3	76	.5	23	16	756	4.33	6	<8	<2	<2	67	1.1	<3	<3	143	3.70	.092	4	88	2.02	8	.23	<3	3.15	.05	.05	<2	76
26829	<1	103	<3	80	<.3	24	24	805	5.35	2	<8	<2	<2	470	1.5	<3	<3	186	2.93	.082	7	21	2.16	160	.27	<3	3.79	.10	.09	<2	5
26830	<1	149	<3	200	<.3	61	37	1078	6.06	<2	<8	<2	<2	894	1.9	<3	<3	193	3.81	.060	5	46	3.04	311	.16	<3	4.82	.11	.10	<2	7
26831	1	5	3	92	<.3	4	5	1565	2.17	<2	<8	<2	3	69	.4	<3	<3	17	3.48	.068	14	5	.53	179	<.01	<3	1.32	.01	.33	<2	<2
STANDARD C3/AU-R	24	64	34	177	5.3	36	13	771	3.37	57	22	4	21	30	22.2	17	22	81	.54	.087	18	169	.60	154	.09	19	1.99	.04	.16	16	469
STANDARD G-2	2	4	<3	46	<.3	8	5	538	2.11	<2	<8	<2	3	75	<.2	<3	<3	41	.64	.097	7	78	.61	232	.13	<3	1.01	.08	.47	2	<2

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND MASSIVE SULFIDE AND LIMTED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: CORE AU** ANALYSIS BY FA/ICP FROM 30 GM SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 6 1998 DATE REPORT MAILED: July 14/98 SIGNED BY ..... C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

ACME ANALYTICAL

Max Investment Inc. PROJECT THOR/MARMOT PROPERTY FILE # 9802695 Page 2

ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
26832	7	62	39	888	.8	2	7	2474	2.79	48	<8	<2	2	94	9.0	<3	<3	13	3.74	.069	11	4	.55	224	<.01	<3	1.39	.01	.25	<2	148
26833	1	3	14	31	.3	3	6	2326	1.92	161	<8	<2	3	76	.3	<3	<3	9	2.89	.071	11	2	.51	168	<.01	<3	1.10	.01	.28	<2	22
26834	1	3	4	58	<.3	2	6	2819	2.37	24	<8	<2	3	85	.3	<3	<3	12	3.72	.074	13	5	.61	177	<.01	<3	1.38	.01	.28	2	4
26835	1	2	4	60	<.3	3	5	2890	2.18	6	<8	<2	4	84	<.2	<3	<3	12	3.89	.074	14	3	.55	156	<.01	<3	1.30	.01	.27	<2	3
26836	1	4	14	54	.4	2	8	2778	2.50	125	<8	<2	3	80	.2	<3	<3	11	2.92	.076	11	4	.68	99	<.01	<3	1.40	.01	.31	<2	20
26837	1	3	9	68	<.3	3	5	2897	2.33	21	<8	<2	4	79	.4	<3	<3	12	3.91	.073	13	3	.60	105	<.01	<3	1.39	.01	.32	<2	6
26838	1	2	4	90	<.3	2	6	1694	2.40	3	<8	<2	2	83	.2	<3	<3	15	3.62	.072	12	5	.68	130	<.01	<3	1.49	.01	.29	<2	2
26839	1	72	9	90	<.3	3	6	1809	2.48	3	<8	<2	3	85	.2	<3	<3	16	3.92	.070	9	3	.71	161	.01	<3	1.50	.01	.27	<2	6
26840	1	823	9	89	1.2	2	7	1781	3.97	<2	<8	<2	4	84	<.2	<3	<3	67	4.17	.082	9	4	.78	143	<.01	<3	1.66	.01	.32	<2	145
26841	1	132	6	73	<.3	4	6	857	3.03	<2	<8	<2	3	77	.2	<3	<3	49	3.57	.084	8	5	.85	221	<.01	<3	1.43	.02	.25	<2	12
26842	1	597	<3	66	<.3	4	6	687	2.16	<2	<8	<2	3	92	.2	<3	<3	39	3.47	.131	9	8	.82	1037	<.01	<3	1.35	.02	.26	2	82
26843	5	926	5	82	<.3	7	8	931	2.65	4	<8	<2	5	85	.3	<3	<3	46	4.27	.149	8	5	1.06	384	.03	<3	1.76	.03	.27	<2	70
26844	1	264	6	68	.6	2	7	769	2.70	<2	<8	<2	4	77	.2	<3	<3	36	3.70	.087	8	6	.80	251	<.01	<3	1.39	.02	.24	<2	17
RE 26844	1	253	10	65	.6	2	7	740	2.60	3	<8	<2	4	75	.4	<3	<3	35	3.54	.083	8	6	.77	243	<.01	<3	1.35	.02	.23	2	10
RRE 26844	1	250	4	65	.6	2	6	746	2.60	<2	<8	<2	3	75	.4	<3	<3	35	3.56	.084	8	6	.77	244	<.01	<3	1.36	.02	.24	2	14
26845	2	369	12	68	.6	5	6	811	2.82	2	<8	<2	4	79	.3	<3	<3	45	3.64	.088	8	7	.83	158	.01	<3	1.53	.03	.30	<2	20
26846	13	1251	14	70	.8	3	6	1160	2.52	15	<8	<2	4	94	.4	<3	<3	20	3.85	.080	7	8	.61	486	.04	<3	1.53	.01	.32	4	23
26847	<1	96	<3	81	<.3	17	24	1710	6.07	<2	<8	<2	<2	340	.6	<3	<3	189	5.67	.097	7	25	2.59	1142	.28	<3	4.84	.10	.07	<2	3
26848	2	182	<3	102	<.3	10	27	1590	6.31	<2	<8	<2	2	136	.6	<3	<3	181	4.47	.076	4	9	2.61	374	.32	<3	4.88	.04	.03	<2	<2
26849	5	972	11	85	.5	2	7	1447	3.29	37	<8	<2	4	103	.2	<3	<3	27	3.71	.084	7	4	.68	187	.03	<3	1.72	.02	.34	2	30
26850	<1	41	<3	83	<.3	28	27	1720	6.27	<2	<8	<2	<2	235	.9	<3	<3	183	4.74	.105	8	21	2.82	962	.29	<3	4.62	.05	.03	<2	<2
26851	197	2058	3	72	1.9	6	12	961	3.57	<2	<8	<2	4	109	.5	<3	<3	82	3.60	.088	8	9	1.26	450	.11	<3	2.15	.03	.25	<2	38
26852	320	4670	3	49	2.9	3	7	496	2.03	<2	8	<2	4	77	.3	<3	3	19	2.56	.087	9	3	.54	442	<.01	<3	1.39	.01	.31	<2	103
26853	2	2373	3	38	1.0	2	7	489	2.58	2	<8	<2	3	86	<.2	<3	<3	44	2.92	.082	10	5	.88	515	<.01	<3	1.41	.03	.27	<2	98
26854	1	102	<3	36	<.3	4	7	523	3.17	<2	<8	<2	3	114	.4	<3	<3	60	2.86	.085	8	5	.91	481	.01	<3	1.40	.05	.20	<2	4
26855	1	93	3	37	<.3	2	6	477	2.59	3	<8	<2	3	98	.3	<3	<3	46	2.82	.080	7	6	.81	326	.01	<3	1.27	.04	.22	<2	5
26856	72	1590	8	39	1.3	4	7	414	2.50	<2	<8	<2	3	94	.4	<3	<3	45	2.64	.081	7	6	.85	966	.02	<3	1.52	.05	.27	<2	39
RE 26856	71	1571	6	39	1.3	3	6	411	2.50	2	<8	<2	3	93	.3	<3	<3	45	2.62	.081	7	6	.84	966	.02	<3	1.53	.04	.27	<2	34
RRE 26856	65	1508	<3	40	1.4	2	6	424	2.58	3	<8	<2	3	97	.3	<3	<3	46	2.72	.082	8	7	.86	978	.02	<3	1.56	.04	.28	2	36
26857	4	367	<3	37	.4	3	6	458	2.75	<2	<8	<2	3	141	.3	<3	<3	58	2.89	.086	9	6	.88	849	.01	<3	1.57	.05	.23	<2	16
26858	33	1114	<3	39	.8	2	6	458	2.96	3	<8	<2	3	188	<.2	<3	<3	60	3.14	.086	11	6	.91	799	<.01	<3	1.80	.05	.23	<2	22
26859	36	2141	<3	34	1.4	4	6	386	2.25	2	<8	<2	2	176	<.2	<3	<3	48	2.96	.082	10	6	.91	456	.01	<3	1.85	.05	.20	<2	53
26860	2	1517	<3	37	1.2	3	6	392	2.46	<2	<8	<2	3	86	<.2	<3	<3	45	2.93	.091	8	7	.97	127	.01	<3	1.54	.05	.23	2	39
26861	1	1311	<3	46	.8	4	6	413	2.14	<2	<8	<2	4	119	.2	<3	<3	34	2.99	.088	10	7	.96	427	.01	<3	1.60	.05	.22	<2	48
26862	4	801	9	54	.5	2	6	643	2.47	16	<8	<2	3	131	.2	<3	<3	37	3.15	.082	9	8	.78	425	<.01	<3	1.54	.03	.26	2	26
26863	2	493	<3	38	<.3	3	6	419	2.54	<2	<8	<2	4	63	.3	<3	<3	36	2.93	.081	13	5	.68	201	<.01	<3	1.21	.03	.27	<2	16
STANDARD C3/AU-R	25	64	35	174	5.3	37	13	792	3.42	56	21	4	20	30	22.9	16	21	82	.55	.087	18	174	.60	154	.09	19	1.98	.04	.16	16	467
STANDARD G-2	1	4	<3	42	<.3	8	4	519	2.03	<2	<8	<2	4	73	<.2	<3	<3	39	.61	.092	7	72	.58	229	.12	<3	.97	.07	.47	2	<2

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
26864	50	5606	5	39	3.9	4	8	465	2.62	3	<8	<2	3	69	.5	<3	<3	38	2.82	.072	10	6	.79	324	<.01	<3	1.24	.03	.23	3	303
26865	1	575	5	42	.3	4	6	530	2.50	3	<8	<2	3	94	<.2	<3	<3	35	2.97	.078	14	4	.69	782	<.01	<3	1.35	.02	.27	<2	18
26866	1	443	<3	41	<.3	3	6	555	2.50	2	<8	<2	3	90	.4	<3	<3	38	3.17	.080	13	5	.71	613	<.01	<3	1.31	.03	.25	2	11
26867	1	860	3	38	.4	5	6	500	2.33	3	<8	<2	4	77	.4	<3	<3	32	2.80	.079	11	5	.69	434	<.01	<3	1.28	.03	.27	<2	27
26868	<1	48	<3	48	<.3	2	5	913	2.28	<2	<8	<2	3	114	.4	<3	<3	29	3.60	.074	10	5	.76	303	<.01	<3	1.44	.02	.26	<2	<2
26869	1	87	3	89	<.3	3	6	1162	2.39	<2	<8	<2	4	109	.5	<3	<3	28	3.21	.075	12	4	.66	442	<.01	<3	1.61	.02	.24	<2	6
26870	1	213	5	63	.3	2	5	1001	2.35	3	<8	<2	3	118	.3	<3	<3	33	2.56	.079	12	6	.61	731	<.01	<3	1.82	.02	.26	<2	11
26871	3	131	4	77	.4	3	6	1919	2.17	<2	<8	<2	4	140	.6	<3	<3	25	5.27	.067	12	3	.58	1377	<.01	<3	1.48	.01	.26	<2	3
26872	1	342	8	135	.7	2	6	1184	2.82	<2	<8	<2	2	105	.4	<3	<3	39	2.64	.083	8	5	.92	573	<.01	<3	2.50	.02	.22	<2	15
26873	2	385	8	77	.6	3	6	1636	2.38	<2	<8	<2	4	129	.5	<3	<3	27	4.37	.082	13	4	.62	1014	<.01	<3	1.64	.01	.29	<2	17
26874	5	147	4	69	.6	2	6	2032	2.21	3	<8	<2	5	169	.4	<3	<3	26	5.11	.068	12	4	.52	2005	<.01	<3	1.49	.01	.27	<2	5
RE 26874	5	155	5	70	.7	2	6	2057	2.24	<2	<8	<2	5	170	.6	<3	<3	26	5.16	.069	13	5	.52	2020	<.01	<3	1.51	.01	.27	<2	7
RRE 26874	5	153	8	68	.6	3	6	2017	2.18	2	<8	<2	5	167	.5	<3	<3	25	5.08	.067	13	3	.51	1997	<.01	<3	1.46	.01	.26	<2	6
26875	6	84	9	58	<.3	2	6	1699	2.40	9	<8	<2	3	100	.4	<3	<3	27	3.04	.084	11	5	.57	329	<.01	<3	1.47	.02	.31	<2	<2
26876	5	63	4	66	<.3	3	7	1287	2.55	4	<8	<2	4	105	.6	<3	<3	39	3.60	.077	12	4	.74	724	<.01	<3	1.30	.02	.27	<2	<2
26877	14	126	5	55	.3	2	6	1579	2.52	<2	<8	<2	4	94	.5	<3	<3	34	3.91	.074	13	5	.64	827	<.01	<3	1.24	.02	.28	<2	3
26878	4	212	4	99	.8	3	7	1967	2.79	2	<8	<2	4	143	.4	<3	<3	29	4.03	.073	12	3	.76	1282	<.01	<3	1.84	.01	.28	<2	3
26879	1	98	<3	60	<.3	2	8	1083	2.99	<2	<8	<2	4	134	.4	<3	<3	56	3.25	.077	11	7	.82	745	.01	<3	1.49	.05	.22	<2	<2
26880	2	258	3	60	.4	3	7	1070	2.67	2	<8	<2	4	153	.2	<3	<3	46	3.47	.076	12	4	.71	965	.01	<3	1.58	.05	.27	<2	10
26881	1	70	4	55	<.3	2	6	713	2.49	<2	<8	<2	3	83	.5	<3	<3	51	2.29	.072	8	6	.76	290	.03	<3	1.25	.07	.17	<2	2
26882	1	49	3	55	<.3	4	6	754	2.64	3	<8	<2	3	84	.5	<3	<3	55	2.34	.072	8	6	.78	227	.05	<3	1.23	.06	.16	<2	2
26883	3	254	15	63	<.3	3	7	903	2.70	3	<8	<2	3	69	.2	<3	<3	40	2.97	.070	5	6	.80	319	.09	<3	1.59	.03	.29	<2	17
26884	1	102	3	39	<.3	4	6	653	2.31	3	<8	<2	3	90	.2	<3	<3	40	2.41	.068	5	4	.72	507	.08	<3	1.49	.04	.16	<2	3
26885	4	62	17	507	<.3	2	6	1258	3.01	10	<8	<2	3	57	7.0	<3	<3	37	2.86	.073	7	6	.72	206	.05	<3	1.58	.03	.30	<2	8
26886	17	698	62	145	.9	4	6	1424	2.60	7	<8	<2	4	74	1.6	<3	<3	28	4.69	.062	7	4	.67	494	.05	<3	1.44	.02	.27	<2	42
RE 26886	16	691	57	141	.9	3	6	1395	2.54	4	<8	<2	4	74	1.6	<3	<3	28	4.59	.062	6	4	.66	501	.05	<3	1.43	.02	.27	<2	49
RRE 26886	15	711	60	142	.9	2	6	1529	2.65	7	<8	<2	5	79	1.2	<3	<3	28	5.29	.062	6	6	.67	533	.05	<3	1.47	.02	.28	2	36
26887	6	364	11	105	<.3	3	5	1351	2.34	<2	<8	<2	4	60	.2	<3	<3	26	2.78	.079	7	4	.78	97	.04	<3	1.58	.02	.34	<2	27
26888	1	109	4	49	<.3	2	6	943	2.53	<2	<8	<2	3	106	.2	<3	<3	47	2.56	.068	6	5	.81	679	.09	<3	1.87	.05	.14	2	2
26889	1	105	<3	49	<.3	3	6	871	2.61	<2	<8	<2	4	98	.3	<3	<3	50	2.30	.073	7	4	.80	890	.08	<3	1.64	.04	.15	<2	2
26890	2	198	6	48	<.3	2	6	751	2.46	4	<8	<2	4	127	.3	<3	<3	48	2.77	.071	7	4	.72	682	.08	<3	2.09	.04	.13	<2	6
26892	161	764	21	103	.8	3	7	925	2.67	24	<8	<2	3	91	.7	<3	<3	35	3.26	.079	7	4	.55	199	.06	<3	1.71	.03	.26	<2	25
26893	3	389	8	69	.3	2	6	851	2.92	8	<8	<2	3	114	.3	<3	<3	56	2.74	.077	8	4	.76	457	.08	<3	2.07	.04	.17	<2	11
STANDARD C3/AU-R	25	62	36	179	5.1	37	13	768	3.35	57	21	4	20	29	22.6	16	21	80	.55	.086	17	169	.59	146	.09	18	1.87	.04	.15	17	483
STANDARD G-2	1	3	5	44	<.3	8	4	518	2.02	<2	<8	<2	4	70	<.2	<3	<3	40	.61	.088	7	75	.57	218	.12	<3	.94	.07	.44	2	<2

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data / FA

ACME ANALYTICAL LABORATORIES LTD. 8[illegible]. H[illegible]NGS [illegible]VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)[illegible]
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Max Investment Inc. PROJECT THOR/MARMOT PROPERTY File # 9802696

3750 West 49th Ave, Vancouver BC V6B 3T8 Submitted by: Chris Dyakowski

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
GA-101	2	10598	61	189	48.8	10	51	497	6.12	52	<8	<2	<2	5	2.0	<3	7	31	.64	.046	1	9	.47	14	.06	<3	.97	.01	.15	4	68
GA-102	2	19150	20	156	49.9	16	138	1352	7.45	83	<8	<2	<2	27	2.6	<3	3	26	6.86	.005	2	1	.42	11	.02	<3	.81	.01	.12	<2	154
GA-103	<1	99999	16	1118	153.5	24	104	983	17.93	74	<8	<2	<2	24	15.4	3	94	57	4.16	<.001	<1	<1	.88	5	.01	<3	1.44	<.01	.02	17	189
GA-104	5	127	38	89	.7	9	6	774	6.59	11	<8	<2	<2	104	<.2	3	<3	201	.47	.122	5	43	1.93	30	.51	<3	2.14	.07	.16	<2	29
GA-105	<1	171	18	79	<.3	19	10	581	6.83	2	<8	<2	<2	39	<.2	<3	<3	238	.49	.115	2	81	2.59	10	.43	<3	2.29	.04	.06	<2	16
GA-106	1	145	15	63	<.3	20	9	534	6.12	<2	<8	<2	<2	99	<.2	<3	<3	231	.93	.117	2	76	1.70	19	.37	<3	2.14	.04	.08	<2	18
GA-107	2	137	186	154	1.0	9	11	664	6.30	11	<8	<2	<2	10	.5	<3	<3	121	.36	.270	5	8	1.74	51	.05	<3	1.85	.04	.21	<2	13
GA-108	1	241	161	231	1.1	17	24	1007	6.91	24	<8	<2	<2	8	2.5	6	<3	181	.52	.277	10	5	3.17	57	.01	<3	2.98	.03	.18	<2	13
GA-109	11	1572	5	40	.8	14	18	404	4.82	3	<8	<2	<2	184	.2	<3	<3	139	1.53	.060	2	7	1.45	24	.20	<3	2.51	.14	.09	<2	40
GA-110	42	433	2101	389	29.3	12	28	596	8.46	117	<8	119	<2	11	7.7	<3	4	20	.09	.008	<1	5	.33	14	.01	<3	.68	<.01	.04	<2	99999
GA-111	5	1455	1543	157	41.5	11	27	118	14.94	652	<8	<2	<2	4	<.2	<3	231	20	.13	.038	<1	10	.14	42	.02	<3	.37	.01	.19	5	460
RE GA-111	4	1478	1549	158	42.1	12	27	114	15.15	661	<8	<2	<2	4	<.2	<3	233	21	.13	.038	<1	10	.14	43	.02	<3	.37	.01	.19	5	404
JM-101	5	334	168	96	6.6	12	12	444	4.22	28	9	<2	<2	10	.9	11	<3	77	.39	.133	5	9	.87	34	.05	<3	1.24	.02	.25	<2	131
JM-102	12	107	357	59	8.6	9	8	337	2.96	32	9	<2	<2	8	.5	25	<3	61	.32	.102	4	18	.76	112	.04	<3	.90	.02	.12	3	40
88TR-261	6	837	87	1765	6.4	45	12	4498	14.36	546	<8	2	<2	16	2.8	<3	<3	171	.39	.072	4	272	1.97	125	<.01	<3	3.81	<.01	.14	<2	96
1-51	25	43	214	4395	7.2	20	38	21212	14.02	1422	<8	<2	<2	19	43.5	<3	<3	61	1.35	.035	1	4	.77	18	.08	<3	1.68	<.01	.07	2	740
#2-52	<1	23	11	82	<.3	6	16	544	6.09	7	<8	<2	<2	35	<.2	<3	<3	176	1.07	.067	9	11	.57	68	.47	<3	1.22	.07	.14	<2	10
STANDARD C3/AU-R	24	61	36	157	5.2	35	12	771	3.35	54	26	2	19	27	22.7	14	19	75	.51	.086	17	158	.58	147	.08	17	1.83	.04	.16	15	480
STANDARD G-2	1	4	5	39	<.3	7	5	543	2.22	<2	<8	<2	3	69	<.2	<3	<3	40	.60	.095	7	76	.60	276	.14	<3	.96	.07	.47	3	<2

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND MASSIVE SULFIDE AND LIMTED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU** ANALYSIS BY FA/ICP FROM 30 GM SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 6 1998 **DATE REPORT MAILED:** July 14/98 **SIGNED BY** ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

ACME ANALYTICAL LABORATORIES LTD. (ISO 9002 Accredited Co.) 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Max Investment Inc. PROJECT THOR MARMOT File # 9803224 Page 1

3750 West 49th Ave, Vancouver BC V6B 3T8 Submitted by: C. Dyakowski

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
B98 #1	3	91	7	88	1.2	37	10	567	2.47	7	<8	<2	<2	122	.5	<3	<3	54	2.67	.081	46	54	.59	211	.01	<3	2.20	.01	.06	2	5
B98 #2	1	24	4	69	<.3	19	11	337	3.46	2	<8	<2	<2	49	<.2	<3	<3	110	.48	.039	8	46	.60	117	.13	<3	2.44	.02	.05	<2	12
B98 #3	2	26	6	81	<.3	22	13	399	4.27	2	<8	<2	<2	38	.3	<3	<3	118	.32	.047	8	51	.74	119	.14	<3	2.93	.02	.05	<2	2
B98 #4	1	27	6	77	<.3	28	15	809	3.65	3	<8	<2	<2	83	.7	<3	<3	114	.68	.025	9	50	.88	272	.09	<3	2.40	.03	.07	2	2
B98 #5	1	30	7	69	<.3	18	9	355	3.47	2	<8	<2	<2	64	.2	<3	<3	111	.91	.037	8	49	.63	140	.11	<3	2.10	.02	.05	<2	1
B98 #6	<1	9	10	31	<.3	5	2	140	1.84	2	<8	<2	<2	36	.3	<3	<3	74	.29	.024	6	26	.21	85	.13	<3	1.32	.01	.05	<2	4
B98 #7	1	23	11	69	<.3	12	9	548	3.99	4	<8	<2	<2	40	.2	<3	<3	149	.31	.054	7	43	.52	153	.14	<3	1.80	.02	.05	<2	1
B98 #8	1	29	7	54	<.3	17	11	395	3.05	2	<8	<2	<2	63	.3	<3	<3	120	.59	.014	8	38	.71	144	.16	<3	2.14	.05	.05	2	7
B98 #9	1	42	7	85	<.3	26	13	509	4.42	4	<8	<2	<2	47	.8	<3	<3	127	.48	.042	9	53	.78	179	.13	<3	2.92	.03	.06	<2	1
B98 #10	1	33	5	74	<.3	24	11	373	3.80	4	<8	<2	<2	40	.2	<3	<3	104	.42	.047	8	49	.71	146	.09	<3	2.83	.02	.05	<2	2
B98 #11	1	36	5	86	<.3	25	14	547	3.48	2	<8	<2	<2	58	.4	<3	<3	107	.69	.043	7	44	.83	152	.11	<3	2.25	.01	.08	<2	2
B98 #12	1	23	7	72	<.3	22	10	409	3.82	6	<8	<2	<2	33	.7	<3	<3	129	.30	.029	7	45	.68	129	.12	<3	2.19	.02	.06	<2	1
B98 #13	1	18	5	63	<.3	13	7	312	3.46	4	<8	<2	<2	29	.6	<3	<3	120	.29	.054	7	39	.54	94	.10	<3	2.07	.01	.05	<2	1
B98 #14	1	16	9	75	<.3	12	8	361	3.63	4	<8	<2	<2	30	<.2	<3	<3	141	.26	.024	6	33	.50	113	.14	<3	1.99	.02	.05	<2	1
B98 #15	2	48	6	115	<.3	29	16	723	4.48	<2	<8	<2	<2	41	1.2	<3	5	114	.54	.107	9	51	.94	225	.02	3	3.67	.02	.12	<2	<1
RE B98 #16	1	16	3	59	<.3	12	6	283	2.48	2	<8	<2	<2	35	.5	<3	<3	83	.34	.035	7	35	.44	116	.06	<3	1.52	.01	.04	<2	1
B98 #16	1	17	5	59	<.3	12	6	277	2.44	4	<8	<2	<2	35	.6	<3	<3	84	.34	.035	7	34	.43	117	.07	<3	1.53	.01	.04	<2	1
B98 #17	1	12	6	79	<.3	16	10	405	4.70	5	<8	<2	<2	31	.5	<3	<3	143	.30	.018	6	50	.50	97	.15	3	2.06	.02	.04	<2	6
B98 #18	4	25	6	130	<.3	17	10	1167	3.34	4	<8	<2	<2	62	.9	<3	<3	97	.94	.054	10	44	.59	179	.05	<3	2.13	.01	.05	<2	1
B98 #19	1	17	4	55	<.3	14	7	264	3.57	7	<8	<2	<2	30	.5	<3	3	107	.30	.039	7	43	.47	70	.09	<3	1.90	.01	.04	<2	1
B98 #20	1	14	5	61	<.3	10	7	824	2.46	5	<8	<2	<2	50	.2	<3	<3	84	.71	.038	8	33	.40	130	.06	<3	1.52	.02	.05	<2	1
B98 #21	1	42	5	115	<.3	17	11	840	3.12	2	<8	<2	<2	92	.8	<3	<3	82	1.54	.086	15	38	.63	220	.05	<3	2.33	.02	.07	<2	2
B98 #22	1	23	9	60	<.3	11	8	468	2.35	3	<8	<2	<2	54	.4	<3	<3	74	1.23	.061	9	33	.33	169	.05	<3	1.61	.01	.05	<2	2
B98 #23	1	26	3	57	<.3	15	9	486	2.75	5	<8	<2	<2	59	.3	<3	<3	86	.93	.047	10	40	.59	131	.11	<3	1.70	.01	.05	<2	1
B98 #24	1	22	5	55	<.3	19	10	474	3.22	3	<8	<2	<2	41	.9	<3	<3	110	.45	.026	7	42	.58	103	.13	<3	1.87	.02	.05	<2	2
B98 #25	2	44	<3	76	<.3	23	16	2332	3.15	5	<8	<2	<2	91	.9	<3	<3	86	1.64	.079	19	45	.66	238	.06	<3	2.63	.02	.08	<2	2
B98 #28	4	186	11	117	.3	17	19	1106	3.63	8	<8	<2	<2	168	.7	<3	<3	107	2.86	.070	4	45	1.57	246	.07	<3	4.57	.04	.11	<2	6
B98 #29	4	237	11	99	<.3	15	19	1014	3.93	10	<8	<2	<2	155	1.2	<3	<3	107	2.08	.076	4	37	1.48	196	.08	<3	4.41	.02	.17	<2	26
B98 #30	3	208	20	149	.5	13	23	1667	4.66	12	<8	<2	<2	133	1.4	<3	<3	150	1.59	.096	4	38	1.32	107	.08	<3	4.37	.03	.12	2	15
B98 #31	1	232	16	158	.4	18	20	1317	4.37	15	<8	<2	<2	149	1.4	<3	3	127	2.33	.093	3	38	1.71	54	.10	3	4.83	.03	.13	<2	15
B98 #32	2	317	25	171	1.2	19	19	1664	4.49	20	<8	<2	<2	150	2.1	<3	<3	124	2.62	.081	5	38	1.81	61	.10	3	4.77	.04	.13	<2	36
B98 #33	1	225	26	162	.4	21	20	1341	4.49	21	<8	<2	<2	144	1.4	<3	<3	125	2.36	.058	4	35	1.89	57	.13	<3	4.50	.02	.14	<2	46
B98 #34	8	374	26	170	.6	13	19	1504	5.02	15	<8	<2	<2	144	1.3	<3	<3	137	1.97	.095	3	29	1.52	62	.08	<3	4.64	.03	.10	<2	15
B98 #35	4	167	6	71	1.7	9	12	481	3.18	5	<8	<2	<2	83	1.2	<3	<3	80	1.25	.153	3	15	1.05	41	.03	<3	3.92	.01	.08	<2	26
B98 #36	4	216	17	180	.5	13	19	1195	4.48	11	<8	<2	<2	122	1.2	<3	<3	122	1.83	.085	3	21	1.64	71	.06	<3	4.82	.03	.10	3	78
STANDARD C3/AU-S	26	66	37	172	5.4	39	12	809	3.37	57	19	3	22	31	24.2	17	22	82	.56	.089	19	177	.61	170	.09	16	2.00	.05	.18	16	50
STANDARD G-2	2	3	3	45	<.3	6	5	583	2.15	<2	<8	<2	3	93	<.2	<3	<3	43	.69	.098	8	85	.63	276	.13	<3	1.23	.14	.59	2	<1

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND MASSIVE SULFIDE AND LIMTED FOR NA K AND AL.
- SAMPLE TYPE: SOIL AU* - AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 4 1998 **DATE REPORT MAILED:** Aug 6/98 **SIGNED BY** C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data A FA

ACME ANALYTICAL

Max Investment Inc. PROJECT THOR MARMOT FILE # 9803224

ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
B98 #37	4	506	30	161	.5	11	16	1478	4.25	28	<8	<2	<2	183	1.7	<3	<3	106	2.90	.092	3	9	1.31	60	.06	<3	5.11	.01	.17	<2	1
B98 #38	9	399	22	121	.6	6	15	1725	4.11	25	<8	<2	<2	139	1.7	<3	3	104	1.66	.142	2	12	1.01	75	.05	<3	4.41	.01	.14	<2	38
B98 #39	46	439	27	305	1.0	25	20	3762	5.31	15	<8	<2	<2	77	2.4	<3	<3	123	1.09	.070	12	44	1.00	308	.05	3	3.72	.03	.07	<2	17
B98 #40	5	218	14	234	.3	20	14	670	4.10	11	10	<2	<2	66	2.4	<3	<3	110	.56	.084	8	40	.83	160	.03	<3	3.27	.02	.06	<2	10
B98 #41	10	45	21	218	<.3	18	14	1107	4.28	5	<8	<2	<2	57	1.6	<3	<3	123	.63	.052	7	41	.77	233	.07	<3	2.60	.01	.06	<2	4
B98 #42	1	41	8	87	<.3	19	15	698	3.50	7	<8	<2	<2	77	1.3	<3	<3	116	.98	.051	7	47	.86	145	.13	<3	2.08	.01	.07	<2	3
B98 #43	1	41	6	78	<.3	20	13	739	3.24	8	<8	<2	<2	67	.6	<3	<3	107	.88	.062	9	44	.76	132	.15	5	2.03	.02	.07	<2	49
RE B98 #43	<1	41	<3	78	<.3	23	13	755	3.26	4	<8	<2	<2	68	.6	<3	<3	109	.88	.063	9	45	.76	137	.15	<3	2.05	.01	.08	<2	4
B98 #44	4	76	13	124	<.3	15	14	932	3.88	6	<8	<2	<2	76	1.0	<3	<3	122	1.42	.065	7	55	.86	150	.12	6	2.23	.02	.07	<2	2
B98 #45	5	90	15	105	<.3	21	14	884	3.77	4	<8	<2	<2	83	.6	<3	<3	114	1.24	.062	9	48	.92	152	.13	<3	2.43	.02	.07	<2	10
B98 #46	7	63	13	110	<.3	19	11	488	4.20	7	<8	<2	<2	59	1.3	<3	<3	132	.65	.045	7	49	.75	152	.10	<3	2.55	.02	.06	<2	16
B98 #47	8	65	8	91	.5	14	10	691	2.97	2	<8	<2	<2	90	.8	<3	<3	89	2.01	.102	11	38	.71	167	.06	<3	2.31	.01	.06	<2	<1
T98 #1	1	65	9	120	<.3	32	17	698	3.55	5	<8	<2	2	216	1.2	<3	<3	105	1.89	.062	12	60	1.08	309	.06	<3	2.99	.01	.07	<2	<1
T98 #2	1	24	10	62	<.3	13	9	380	2.78	<2	<8	<2	<2	60	.7	<3	<3	97	.49	.019	8	38	.63	158	.08	<3	2.03	.02	.05	<2	1
T98 #3	1	13	10	46	<.3	10	5	211	2.24	<2	<8	<2	<2	35	<.2	<3	<3	85	.21	.022	11	32	.38	88	.09	<3	1.54	.01	.04	<2	1
T98 #4	<1	21	6	55	<.3	16	9	299	3.37	3	<8	<2	2	33	.7	<3	<3	102	.23	.047	8	45	.51	117	.10	3	2.03	.01	.03	<2	8
T98 #5	1	61	3	83	<.3	29	14	633	3.46	6	<8	<2	<2	88	.8	<3	<3	99	1.34	.070	11	47	.92	235	.07	<3	2.60	.02	.06	<2	1
T98 #6	1	24	3	71	<.3	14	9	334	3.44	2	<8	<2	<2	41	.6	<3	<3	108	.37	.038	8	42	.64	124	.10	<3	2.28	.01	.05	<2	3
T98 #7	<1	11	9	39	<.3	7	4	171	2.41	<2	<8	<2	2	66	<.2	<3	<3	124	.25	.043	6	32	.23	169	.13	<3	1.44	.01	.04	<2	5
T98 #8	1	16	10	54	.4	11	7	266	4.14	10	<8	<2	2	30	.8	<3	<3	137	.21	.077	8	44	.46	82	.14	<3	2.12	.01	.04	<2	7
T98 #9	1	56	5	79	<.3	22	14	486	3.82	8	<8	<2	<2	110	.8	<3	<3	118	.99	.051	8	52	.87	150	.13	4	2.31	.02	.06	<2	4
T98 #10	1	45	9	71	<.3	20	11	502	3.86	4	<8	<2	2	84	1.3	<3	<3	136	.95	.040	9	63	.81	109	.14	<3	2.20	.01	.06	<2	10
T98 #11	1	40	10	58	<.3	20	16	518	3.22	3	<8	<2	<2	75	.2	<3	<3	105	.76	.041	9	48	.70	142	.10	<3	2.45	.01	.08	<2	2
T98 #12	4	12	8	45	<.3	10	6	201	2.11	3	<8	<2	2	70	<.2	<3	<3	84	.31	.021	8	26	.39	156	.09	<3	1.66	.01	.05	<2	5
T98 #13	7	64	5	85	.3	23	15	598	4.01	6	<8	<2	2	74	1.1	<3	<3	118	.62	.052	9	53	.86	210	.08	<3	2.70	.02	.10	<2	4
T98 #14	3	37	7	54	<.3	20	12	584	3.07	2	<8	<2	<2	87	.6	<3	<3	101	.78	.028	7	40	.79	177	.11	<3	2.24	.02	.06	<2	2
T98 #15	10	37	4	79	<.3	20	14	615	3.82	<2	<8	<2	<2	83	.6	<3	<3	119	.87	.025	9	48	.90	234	.10	<3	2.86	.03	.06	<2	58
T98 #16	2	22	5	62	<.3	15	9	429	2.83	3	<8	<2	<2	71	.5	<3	<3	100	.75	.016	8	38	.66	147	.13	3	1.90	.02	.04	<2	3
T98 #17	6	75	6	83	.5	26	19	1483	3.79	2	<8	<2	<2	101	1.2	<3	<3	110	1.38	.070	16	46	.87	238	.04	<3	2.92	.01	.08	<2	3
T98 #18	2	19	7	58	<.3	13	5	245	3.73	<2	<8	<2	<2	43	.4	<3	<3	144	.22	.024	6	42	.41	112	.15	<3	2.02	.01	.03	<2	11
T98 #19	3	66	9	98	<.3	22	11	1987	2.48	<2	<8	<2	<2	100	.9	<3	<3	58	1.45	.095	25	30	.47	302	.02	<3	2.19	.01	.06	<2	2
T98 #20	1	45	7	84	<.3	25	16	764	3.95	4	<8	<2	<2	95	.7	<3	<3	115	.90	.045	10	53	.88	226	.09	<3	2.48	.02	.08	<2	1
T98 #21	1	18	7	67	<.3	16	9	317	3.79	3	<8	<2	2	38	.8	<3	<3	135	.35	.050	7	42	.59	106	.17	<3	1.97	.02	.04	<2	30
T98 #22	1	22	7	54	<.3	18	10	362	3.81	<2	<8	<2	<2	41	.6	<3	<3	121	.38	.042	7	44	.64	131	.15	4	2.06	.02	.04	<2	1
T98 #23	1	24	6	63	.3	15	10	252	3.35	10	<8	<2	<2	31	.8	<3	<3	102	.34	.034	7	43	.46	89	.08	3	1.98	.01	.03	<2	1
STANDARD C3/AU-S	27	65	38	173	5.2	35	12	814	3.36	58	22	3	22	30	24.0	16	21	81	.55	.090	18	173	.61	165	.09	19	1.95	.04	.17	18	48
STANDARD G-2	2	3	3	43	<.3	10	5	530	1.97	<2	<8	<2	4	83	.2	<3	<3	40	.63	.096	8	77	.59	247	.13	<3	1.11	.12	.53	2	<1

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
T98 #24	1	14	9	50	<.3	5	4	153	1.82	3	<8	<2	<2	36	<.2	<3	<3	70	.35	.044	7	26	.24	108	.05	<3	1.26	.01	.05	<2	5
T98 #25	1	14	7	65	<.3	13	7	308	2.53	6	<8	<2	<2	31	.4	<3	<3	91	.29	.021	7	32	.46	91	.07	<3	1.61	.01	.05	<2	<1
T98 #26	1	51	7	97	<.3	23	12	578	3.55	4	<8	<2	<2	102	.6	<3	<3	99	1.36	.062	12	42	.92	219	.11	<3	2.55	.02	.09	<2	2
T98 #27	1	54	4	68	.3	25	12	702	3.54	3	<8	<2	<2	107	.9	<3	<3	104	1.66	.080	12	40	.88	223	.11	3	2.73	.03	.09	<2	1
T98 #28	1	77	<3	80	.9	26	14	653	3.17	2	<8	<2	<2	146	1.0	<3	<3	77	2.60	.091	10	39	.90	302	.03	<3	2.79	.02	.11	<2	1
T98 #29	1	61	5	108	<.3	25	16	887	4.12	3	<8	<2	<2	73	1.4	<3	<3	112	1.11	.070	9	45	1.12	256	.07	<3	3.08	.02	.11	<2	<1
RE T98 #30	1	29	8	59	.3	7	5	231	2.19	<2	<8	<2	<2	45	.2	<3	<3	79	.44	.101	7	25	.27	129	.05	<3	1.55	.01	.06	<2	<1
T98 #30	1	27	7	57	<.3	8	5	225	2.12	<2	<8	<2	<2	44	<.2	<3	<3	77	.42	.099	7	24	.26	116	.05	<3	1.49	.01	.06	<2	<1
T98 #31	1	70	<3	106	.4	30	20	1081	3.85	2	<8	<2	<2	98	.8	<3	3	96	2.04	.088	18	42	1.01	285	.04	3	3.38	.03	.10	<2	1
T98 #32	1	18	9	66	<.3	11	7	271	3.18	2	<8	<2	<2	33	.4	<3	<3	122	.29	.029	7	35	.46	83	.13	<3	1.83	.01	.03	<2	1
T98 #33	1	14	<3	67	<.3	14	6	268	3.24	<2	<8	<2	<2	24	.7	<3	<3	123	.22	.040	6	37	.43	70	.12	<3	1.98	.01	.03	<2	<1
T98 #34	1	58	4	113	<.3	26	14	1125	3.75	4	<8	<2	<2	80	.9	<3	<3	102	1.36	.095	10	45	.91	250	.05	<3	3.00	.02	.09	<2	<1
T98 #35	2	41	7	73	<.3	14	7	424	2.75	2	<8	<2	<2	41	.7	<3	<3	103	.34	.079	8	36	.40	170	.05	<3	2.05	.01	.05	<2	2
T98 #36	1	80	3	73	.3	26	13	862	3.71	3	<8	<2	<2	78	.8	<3	<3	96	1.25	.079	21	48	.81	256	.05	3	3.14	.02	.07	<2	2
T98 #37	<1	35	5	65	<.3	23	11	332	2.87	<2	<8	<2	<2	47	.2	<3	<3	90	.70	.029	10	38	.60	163	.07	3	2.35	.01	.05	<2	2
T98 #38	<1	39	<3	55	<.3	23	14	579	3.60	2	<8	<2	2	52	.8	<3	<3	115	.67	.043	9	52	.78	184	.16	3	2.56	.02	.06	<2	5
T98 #39	<1	40	<3	74	<.3	20	12	475	3.65	2	<8	<2	<2	49	.2	<3	<3	114	.57	.044	8	44	.80	214	.10	<3	2.86	.02	.06	<2	2
T98 #40	1	45	6	52	1.0	10	6	1123	1.15	<2	<8	<2	<2	115	<.2	<3	<3	30	3.02	.106	11	17	.29	155	.02	4	1.17	.01	.05	<2	1
T98 #41	<1	10	5	38	<.3	4	3	128	1.47	<2	<8	<2	<2	25	<.2	<3	<3	63	.22	.036	5	28	.15	69	.08	<3	.87	.01	.04	<2	<1
STANDARD C3/AU-S	25	64	37	166	5.1	36	12	770	3.21	56	20	3	21	29	23.3	17	24	78	.53	.085	18	168	.59	144	.09	21	1.87	.04	.16	17	51
STANDARD G-2	1	4	<3	40	<.3	8	4	515	1.88	<2	<8	<2	4	75	<.2	<3	<3	38	.59	.090	7	73	.56	242	.12	<3	1.03	.09	.48	2	<1

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Max Investment Inc. PROJECT THOR MARMOT File # 9803225

3750 West 49th Ave, Vancouver BC V6B 3T8 Submitted by: C. Dyakowski

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
B98 #27	2	245	12	29	<.3	31	52	213	4.30	59	<8	<2	<2	57	<.2	<3	<3	69	1.08	.047	2	10	.69	85	.20	<3	1.90	.33	.30	<2	16

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND MASSIVE SULFIDE AND LIMTED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM)

DATE RECEIVED: AUG 4 1998 **DATE REPORT MAILED:** Aug 7/98 **SIGNED BY**.....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Max Investment Inc. PROJECT THOR/MARMOT PROPERTY File # 9802697

3750 West 49th Ave, Vancouver BC V6B 3T8 Submitted by: Chris Dyakowski

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
MAR 98-01 OVERBURDEN	1	55	6	69	.7	27	14	611	3.97	2	<8	<2	<2	69	.3	<3	<3	112	1.37	.061	6	39	.99	110	.17	3	1.85	.08	.08	44	4

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND MASSIVE SULFIDE AND LIMTED FOR NA K AND AL.
- SAMPLE TYPE: SLUDGE AU** ANALYSIS BY FA/ICP FROM 30 GM SAMPLE.

DATE RECEIVED: JUL 6 1998 **DATE REPORT MAILED:** July 14/98 **SIGNED BY** C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data A FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

ASSAY CERTIFICATE

Max Investment Inc. PROJECT THOR/MARMOT PROPERTY File # 9802696R
3750 West 49th Ave, Vancouver BC V6B 3T8

SAMPLE#	Au** gm/t
GA-110	114.80

AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: JUL 21 1998 **DATE REPORT MAILED:** July 24/98 **SIGNED BY.....** D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

APPENDIX 5

LIST OF PERSONNEL AND STATEMENT OF EXPENDITURES

ITEMIZED COST OF THE 1998 EXPLORATION PROGRAM

PERSONNEL		
C. Dyakowski, P. Geo, Project Manager	23 days @ 400/day	9200.00
G.A. Allen, P.Geo, Geologist	20 days @ $325/day	6500.00
TRANSPORTATION		
Flights (Scheduled)		1283.11
Canadian Helicopters 50.7 hrs @ $825/hr		41,829.47
Pacific Western Helicopters 4 hrs @ $800/hr		3200.00
ford F250 4x4 3 weeks @ $500/wk		1500.00
DRILLING		
2271 ft @ $30.25/ft including mobilization and demobilization		68,667.50
SAMPLING AND PROSPECTING		
Watershed Resources Ltd (Contract)		7040.60
EXPLORATION SUPPLIES		
Fuel		420.18
MEALS & ACCOMMODATION		
Lepka Holdings, Km 400 Omineca Mine Rd		
156 man-days @ 55/day		8580.00
Grama's Inn, Prince George 2 nights		127.44
Sitka Inn, Fort St . James 2 nights		114.45
ASSAYS		3,500.00
REPORT COSTS		5,216.25
TOTAL		**$157,179.00**