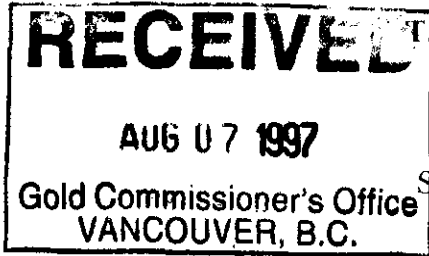


GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL REPORT

on the



TAS 1 - 3 MINERAL CLAIMS

Copper Mountain Area
Similkameen Mining Division

92H-7E, 8W
(49° 18' North Latitude, 120° 28' West Longitude)

for

MORELEIGH MINERALS CORPORATION

6976 Laburnum Street
Vancouver, BC
V6P 5M9
(Operator)

and

GRANT F. CROOKER

Box 404
Keremeos, BC
V0X 1N0
(Owner)

by

**GRANT F. CROOKER, P.Geo.,
CONSULTING GEOLOGIST**

May 1997

25 102

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1.0 SUMMARY AND RECOMMENDATIONS

The Tas mineral claims are located approximately 17 kilometres south of Princeton and 3 kilometres east of Copper Mountain in southern British Columbia. The property consists of three four-post mineral claims covering 60 units in the Similkameen Mining Division, and is owned by Grant Crooker of Keremeos, BC. Moreleigh Minerals Corporation of Vancouver, BC has an option to purchase the claims.

The Copper Mountain area has been the scene of copper exploration since the 1880's and has been a significant producer of copper, gold and silver. Copper Mountain was operated as an underground mine by the Granby Consolidated Mining, Smelting and Power Company Limited during two periods, from 1926 to 1930, and from 1937 to 1957. During this time 34,775,101 tons of ore were processed producing 613,139,846 tons of copper, 187,294 ounces of gold and 4,384,097 ounces of silver.

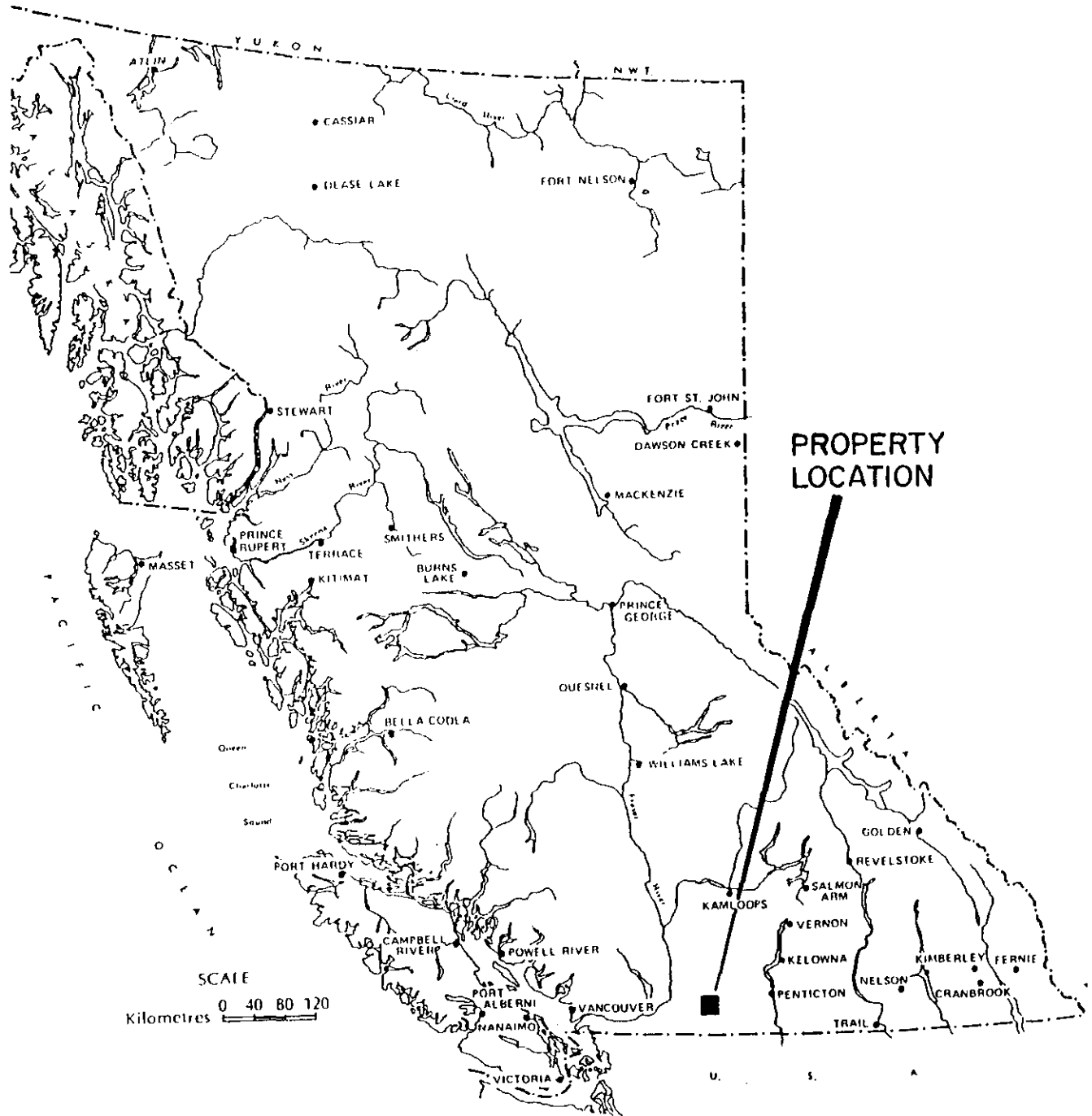
The camp lay dormant until 1966 when Granby resumed exploration at Copper Mountain and Newmont Mining Corporation initiated exploration at the Ingerbelle property on the west side of the Similkameen River. In 1967 Newmont purchased Copper Mountain from Granby and by 1969 had outlined two ore bodies at Copper Mountain and the Ingerbelle orebody. Mining by open pit methods commenced in 1972, and has been almost continuous since then. Production has been approximately 20,000 tons of ore per day at a grade of 0.44% copper, with recoverable values in gold and silver. The mine closed in November of 1996 due to low copper prices. However, an aggressive exploration program is planned at Copper Mountain to outline 10 years of ore reserves.

The most important ore deposits at Copper Mountain and Ingerbelle are spatially and, it is believed genetically associated with late phases of the Copper Mountain intrusions, the most productive of which are the Lost Horse suite. The ore deposits, whether in volcanic or intrusive rocks are associated with zones of extensive and locally intense wallrock alteration that includes development of biotite, albite, epidote, pyroxene, actinolite, potash feldspar and scapolite (sodic and potassic alteration). Mineralization varies from massive to semi-massive sulphide (+/- magnetite) veins and vein stockworks to microveins and fracture fillings to disseminated.

Many faults cut intrusive and volcanic rocks at Copper Mountain. It is believed these faults originated before the main period of mineralization and played an important part as ore controls, probably acting as avenues along which ore bearing solutions moved. The most important structural orientations for mineralization are east-west, northeast and northwest.

A considerable amount of work has been carried out on the area covered by the Tas claims by previous operators. During the early 1970's, two grids were established and geological mapping, prospecting, soil geochemical sampling and magnetic and induced polarization geophysical surveying were carried out. These programs outlined several copper soil geochemical anomalies, induced polarization chargeability anomalies and sulphide showings. Minor amounts of chalcopyrite were found at several locations. The geological mapping showed a large portion of the area is underlain by diorite of the Copper Mountain intrusive complex. *This intrusive complex is a favorable environment for copper mineralization.*

The present owner staked the Tas claims in 1991 and has conducted several exploration programs since (silt sampling, establishing grid lines, soil geochemical sampling, magnetic and VLF EM geophysical surveying, geological mapping and prospecting) that have yielded positive results. These positive results include: silt samples anomalous in copper collected from creeks that drain the north-central portion of the Tas-1 claim, geological mapping and magnetic surveys (magnetic highs) indicating the central portion of



**PROPERTY
LOCATION**

SCALE

Kilometres 0 40 80 120



GEOTEC CONSULTANTS LTD.		
MORELEIGH MINERALS CORP.		
TAS CLAIMS LOCATION MAP		
N.T.S. 92H-7,8		SIMILKAMEEN MD., B.C.
DATE: MAR. 1997	DRAWN BY: G.F.C.	FIGURE 1.0
SCALE: AS SHOWN	REVISED:	


the area to be underlain by monzonites of the Copper Mountain stock, and copper soil geochemical anomalies.

The success of the earlier exploration programs led to the more extensive program undertaken in 1996. This program included establishing grid lines, conducting soil geochemical sampling, magnetic and VLF EM geophysical surveying, geological mapping and prospecting. The exploration results from this program are encouraging as supported by favorable geology, copper-silver soil geochemical anomalies, potassic alteration associated with small showings of copper (chalcopyrite) and magnetic linears (faults) and VLF EM conductors along favorable structural orientations.

A combination of several coincidental geological, geochemical and geophysical anomalies has delineated 6 target areas warranting follow-up exploration. The exploration program should be conducted as follows:

- continue to evaluate the property through geological mapping and prospecting
- establish I.P. grid over target areas 1 to 5
- conduct I.P. survey over target areas 1 to 5
- conduct trenching over target areas and I.P. anomalies
- conduct reverse circulation/core drilling over favourable targets

Respectfully submitted,



Grant Crooker, P. Geo.,
Consulting Geologist

2.0 INTRODUCTION

2.1 GENERAL

Field work was carried out on the Tas claims by Moreleigh Minerals Corporation personnel from July 15 to October 28, 1996. Personnel consisted of Lee Mollison, Mike Harris, Reg Barber and Jaimee Barber, field assistants. Grant F. Crooker, P. Geo., consulting geologist supervised the work program.

This program consisted of establishing grid lines and carrying out soil geochemical sampling, magnetic and VLF-EM geophysical surveying, geological mapping and prospecting over the grid.

2.2 LOCATION AND ACCESS

The property (Figure 1.0) is located approximately 17 kilometres south of Princeton and 3 kilometres east of Copper Mountain in southern British Columbia. The property lies between 49° 51' 45" and 49° 18' 55" north latitude and 120° 27' 30" and 120° 30' 30" west longitude (NTS 92H-8W).

Access to the property is via the paved Copper Mountain road, turning south off Highway 3 at Princeton. From the Copper Mountain road, one turns onto the Wolfe Creek or Belgie Creek Forest Access roads that give good access to all areas of the property. The logging roads are good, all weather gravel roads.

2.3 PHYSIOGRAPHY

The Tas claims lie within the Thompson Plateau. Elevation is quite high, varying from 1220 to 1830 metres above sea level. Topography is generally moderate to steep although it becomes gently rolling along the ridges.

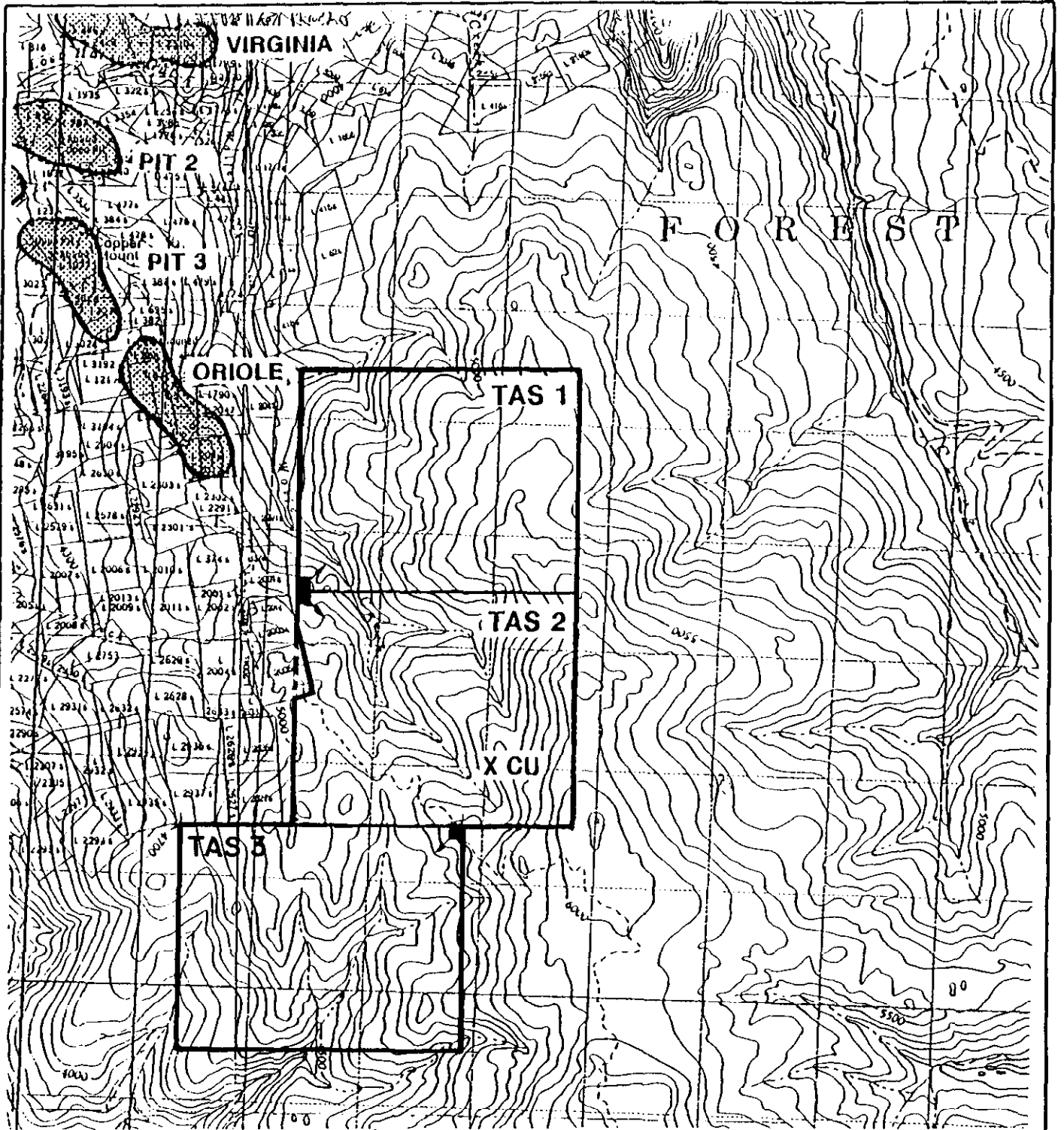
Wolfe Creek flows in a northerly direction through the claims and has a good flow of water year round. Several branches of Wolfe Creek drain the property from the east. Vegetation consists mainly of mature jack pine with some spruce and fir. Heavy deadfall is prevalent in many areas and a significant portion of the area has been clear-cut.


2.4 PROPERTY AND CLAIM STATUS

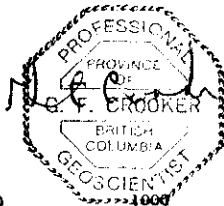
The Tas claims (Figure 2.0) are owned by Grant Crooker of Keremeos, BC and are under option to purchase by Moreleigh Minerals Corporation, 6976 Laburnum Street, Vancouver BC. The property consists of three four-post mineral claims covering 60 units located in the Similkameen Mining Division.

Claim	Units	Mining Division	Tenure No.	Record Date m/d/y	New Expiry Date
Tas-1	20	Similkameen	250128	05/24/99	05/24/07*
Tas-2	20	Similkameen	250129	05/25/99	05/25/07*
Tas-3	20	Similkameen	349137	07/27/97	07/27/02*

* Upon acceptance of this report.



 Legal corner post



GEOTEC CONSULTANTS LTD.

MORELEIGH MINERALS CORP.

TAS CLAIMS
CLAIM MAP

NTS. 92H-7,8

SIMILKAMEEN MD., B.C.

DATE: MAR. 1997

DRAWN BY: G.F.C.

FIGURE 2.0

SCALE: 1:50,000

REVISED:

2.5 AREA AND PROPERTY HISTORY

The Tas claims are located approximately 3 kilometres southeast of the Copper Mountain mining camp in southern British Columbia. Open pit production from Copper Mountain to the end of 1993 was 136,119,622 tonnes of ore milled with a head grade of 0.432% copper (recovered grade 0.358%), and a recovered grade of 0.113 grams per ton gold and 1.121 grams per ton silver. Total production of metals from both open pit and underground mining through 1993 was 764,964 tonnes copper, 21,185,404 kilograms gold and 288,884,260 kilograms silver.

Copper was first discovered at Copper Mountain in 1884 by a trapper named Jameson. However little work was carried out in the area until Volcanic Brown located the Sunset claim in 1892. From 1892 until 1923 exploration was carried out in many areas of the Camp. During the latter stages of World War I a concentrator was built at Allenby and a rail line was built from Princeton to Allenby and thence to Copper Mountain. However, no copper was produced during this time.

In 1923 The Granby Consolidated Mining, Smelting and Power Company Limited acquired the property and reorganized the concentrator and mine plants. Production did not begin until early in 1926 and continued until 1930. The mine was shut down until 1937 when production resumed and continued until 1957 when the mine was again closed. To the end of 1957 the concentrator treated 31,547,476 tonnes of ore producing 278,116 tonnes of copper, 5,825,405 kilograms gold and 152,525,691 kilograms of silver. Most of this production was from underground operations.

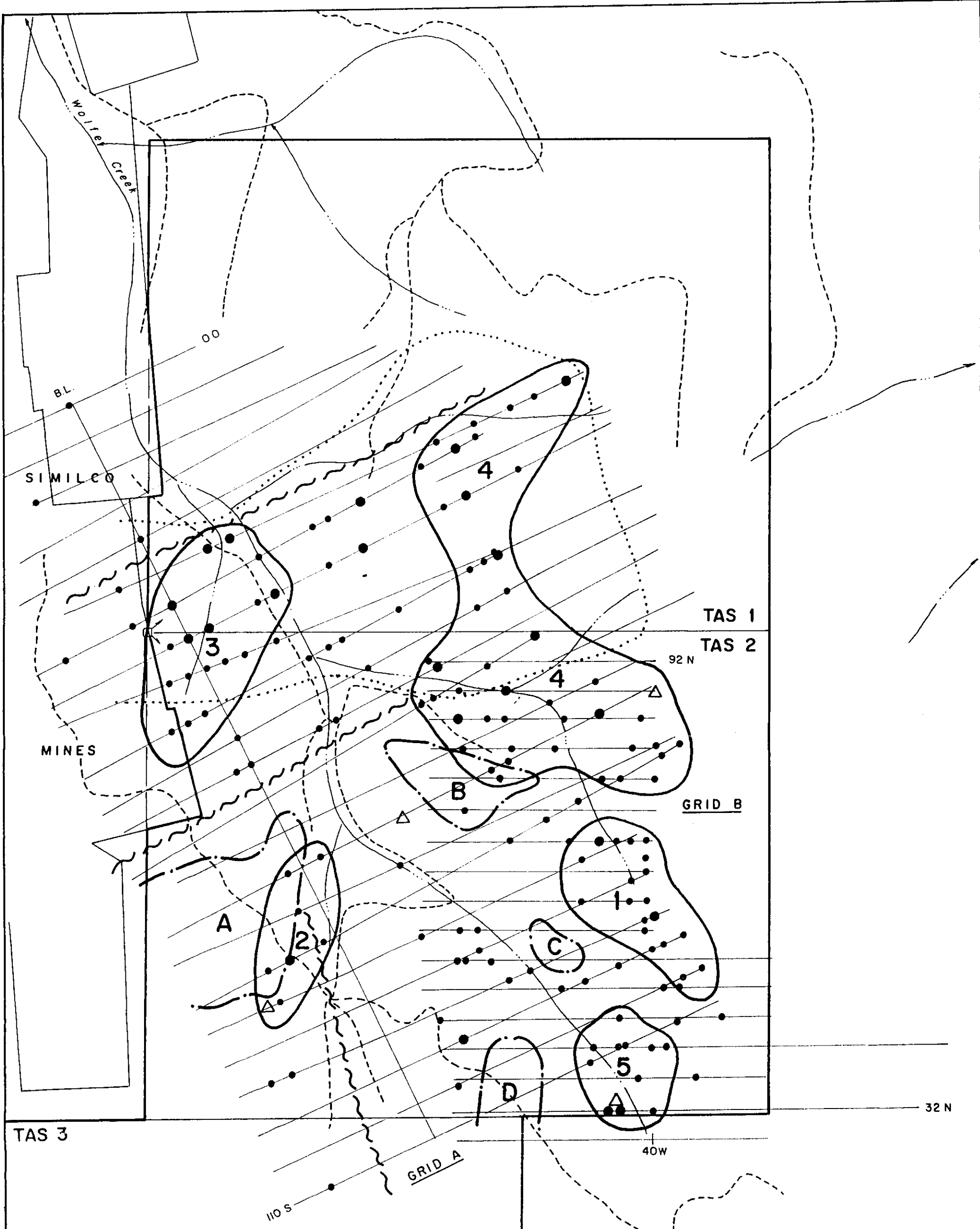
Little work was carried out in the area from 1957 to 1965. However in 1966, extensive trenching and drilling was carried out by The Granby Mining Company Limited at Copper Mountain, Newmont Mining Corporation of Canada Limited on the Ingerbelle property west of the Similkameen River, and Cumont Mines Limited on its holdings near Copper Mountain.

In December 1967, Newmont purchased all of the Granby holdings in the Copper Mountain area and carried out large scale exploration on both properties. By the end of 1969, one large scale zone of low grade copper mineralization was outlined on the Ingerbelle property and two zones on Copper Mountain. In June 1970 Newmont gave official notice of its intention to put the properties into production.

The property entered production by open pit methods in 1972 and has been in almost continuous production since then. Cassiar Mining Corporation (now Princeton Mining Corporation) purchased the Copper Mountain property from Newmont in June of 1988. The production rate has been approximately 20,000 tonnes of ore per day with a mill head grade of 0.44% copper and recoverable gold and silver values.

The Similco Mine closed in November of 1996 due to low copper prices and an exhaustion of low stripping ratio ore reserves. A diamond drilling program is presently underway to outline a ten years mining plan for the high stripping ratio ore reserves. These high stripping ratio ore reserves are in the order of 83 million tonnes grading 0.413% copper, 0.111 g/t gold and 3.798 g/t silver with a bulk stripping ratio of 2.26.

Alpaca Resources Corp. announced on December 6, 1996 that it had optioned the Oriole prospect (also known as the Rifle property) from Princeton Mining Corporation. This prospect is the closest of the prospects/deposits at Copper Mountain to the Tas claims (Figure 4.0), being 700 to 1000 metres west of the northern portion of the Tas 1 claim. Proven and probable reserves on the Oriole prospect are reported

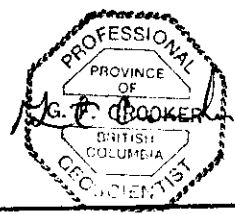


LEGEND

- 70 - 149 ppm Cu (soil)
- > 150 ppm Cu (soil)
- Cu geochemical anomaly
- (A) Apparent chargeability anomaly > 15 ma
- ~ Interpreted fault
- △ Mineral occurrence, py, tr. cpy
- ⋯ Underlain by Copper Mountain Intrusives
- Legal corner post

- Grid line
- - - Road
- ~ Stream

GEOTEC CONSULTANTS LTD.	
MORELEIGH MINERALS CORP.	
TAS CLAIMS COMPILATION MAP PREVIOUS WORKS	
N.T.S. 92H-7,8	SIMILKAMEEN M.D., B.C.
0 200 400 800 METRES	
SCALE 1:15,000	DATE: MAR. 1997
DRAWN BY: G.F.C.	FIGURE NO. 3.0



as 2,923,000 short tons with a cut off grade of 0.23% copper and an average grade of 0.44% copper. The estimated replacement cost of the work on the prospect to date is approximately \$ 1,800,000.

A considerable amount of work was carried out in the area covered by the Tas claims during the early 1970's. This work consisted of geological mapping, prospecting, geochemical soil sampling and geophysical surveying (magnetometer and induced polarization). Bulldozer trenching by previous operators is mentioned in the assessment reports from the early 1970's but no information is available on that work.

During 1971 Coin Canyon Mines Ltd. carried out soil geochemical sampling and magnetometer and induced polarization geophysical surveying on the "Y" claims. The work was carried out over the area shown by grid A on Figure 3.0. Approximately 149,000 feet of grid was blazed and surveyed. The baseline runs in a north northwesterly direction with 23 crosslines at right angles to the baseline. Lines are 500 feet apart with stations marked every 100 feet along the lines.

Soil samples were collected every 250 feet along the lines and the samples were analyzed for copper. The frequency distribution showed background to be 50 ppm copper and values 75 ppm and greater were considered anomalous. Four general copper anomalies were outlined by the survey (Figure 3.0, Anomalies 1 to 4).

It should be pointed out at this time that most of the property is overlain by a mantle of glacial drift. Preto examined 26 drill holes from the Copper Mountain area and found the glacial drift to have an average thickness of 14.5 feet with a maximum of 33 feet. Clay layers several feet in thickness are often intercalated with various other types of drift.

Anomaly #1 is 2500 feet long by 1000 feet wide and values range from 70 to 315 ppm copper. The Phelps Dodge geochemical survey also confirms this anomaly. Follow up prospecting found the anomaly coincidental with a swampy area and no outcrop was found in the area.

Anomaly #2 is a linear shaped anomaly 2000 feet long by 800 feet wide with values ranging from 70 to 190 ppm copper. The western portion of the geochemical anomaly overlaps induced polarization chargeability anomaly A. Old bulldozer trenches at the south end of the anomaly exposed outcrop of bedded andesite volcanics composed of massive fragmentals, crystal tuffs and tuffaceous argillites. Large portions of the volcanics have been silicified and chloritized. From 2% to 5% finely disseminated pyrrhotite and pyrite with trace amounts of chalcopyrite are found throughout this altered zone.

Anomaly #3 is some 2500 feet long by 1500 feet wide with values ranging from 70 to 275 ppm copper. Outcrop exposed along the baseline is altered diorite related to the Copper Mountain intrusives. The intrusive is only weakly mineralized with less than 1% pyrite.

Anomaly #4 is a large anomaly 5500 feet long and up to 3000 feet wide with values ranging from 70 to 850 ppm copper. The southern portion of this anomaly is also outlined by the Phelps Dodge geochemical survey. Trace amounts of chalcopyrite along with 1% to 2% pyrite were found associated with chloritic and feldspathic alteration at the southeastern corner of the anomaly and west of the anomaly. A large portion of this anomaly appears to be underlain by diorite of the Copper Mountain intrusive complex.

Magnetometer and induced polarization surveys were also carried out over portions of the grid. The magnetometer survey was carried out over 16 line miles of the grid with readings taken every 100 feet on

every second line (1000 foot spacing). Several magnetic highs and lows were outlined and further information can be obtained from the pertinent assessment report.

The induced polarization survey was carried out over 6.7 line miles of the grid with the lines spaced 1000 feet apart. The survey was only carried out over the southern portion of the grid and not over the northern portions underlain by the Copper Mountain intrusions. Four areas (Figure 3.0, A, B, C, D) showed chargeability responses greater than 15 milliseconds.

Anomaly A is a broad anomaly showing peak responses of 36 and 35 milliseconds and overlaps the western section of geochemical anomaly #2. The apparent resistivity values range from 175 to 1000 ohm metres with the largest portion lying within the 400 to 600 ohm metre range.

Anomaly B is partially outlined by the 15 millisecond contour and was not closed off to the north and east. It occurs along the southern portion of geochemical anomaly #4 and appears to be striking in a northerly direction into the geochemical anomaly. Disseminated pyrite was observed in an outcrop west of the anomaly. A low to intermediate range of apparent resistivity values correlate with the chargeability anomaly.

Anomaly C is a small three station anomaly occurring west of geochemical anomaly #1. No further information is available on this anomaly.

Anomaly D is also a small anomaly occurring along the most southerly line surveyed and open to the south. This anomaly was confirmed by the limited amount of induced polarization survey carried out by Phelps Dodge. Resistivity values are in the order of 500 to 1350 ohm metres. Bulldozer trenching has been carried out in this area by previous operators and exposed highly fractured, broken and bleached andesite. Approximately 1000 feet east of the anomaly two soil samples gave 340 and 440 ppm copper, and subsequent prospecting located an outcrop with finely disseminated chalcopyrite. An assay of this material gave 697 ppm copper.

During 1973, Phelps Dodge Canada Ltd. carried out geological mapping, prospecting, soil geochemical sampling and a limited amount of magnetometer and induced polarization surveying on the "Rb, Tas and Tat" claims. The soil sampling and geophysics were carried out over the area indicated by Grid B while the geological mapping was carried out over both grids.

Approximately 19.5 miles of grid were cut and flagged on grid B. The baseline runs north-south and 16 crosslines were ran at right angles to the baseline. Lines are 400 feet apart with stations marked at 200 foot intervals.

Soil samples were collected every 200 feet along the lines and analyzed for copper. The most highly anomalous values from the soil geochemical survey came from the area of anomaly #5 with values of 340 and 414 ppm copper. This anomaly is about 1500 feet long by 1500 feet wide. Copper mineralization consisting of finely disseminated chalcopyrite (697 ppm copper) was found in this area.

Only 1.3 miles of Induced polarization surveying was carried out over the grid. A small chargeability high was located at Anomaly D. This anomaly was found by both of the induced polarization surveys.

Geological mapping was carried out over both grids by Phelps Dodge. This mapping indicated an area 8000 feet long by 4500 feet wide is underlain by diorite of the Copper Mountain intrusions. Many areas shown on Figure 3 show varying degrees of alteration and pyrite with minor amounts of chalcopyrite.

The 1991-1992 program carried out by the present owner of the Tas claims consisted of silt sampling of all drainages, establishing a small grid and carrying out geological mapping, prospecting and a magnetic surveying over the grid.

A number of anomalous silt samples were taken, mainly from the north central portion of the Tas 1 claim, and geological mapping showed the four grid lines that were established to be underlain by diorite of the Copper Mountain intrusives. The magnetic survey indicated many magnetic highs that may be caused by magnetic minerals such as magnetite and pyrrhotite.

A second exploration program was undertaken by the present owner in 1994 with the assistance of funding from a Ministry of Energy, Mines and Petroleum Resources "Prospecting Grant". The program consisted of establishing 14 grid lines and carrying out soil geochemical sampling, magnetic geophysical surveying, geological mapping and prospecting. Areas shown to have anomalous copper soil geochemical values from the 1970's work were targeted.

Six weak to moderate copper soil geochemical anomalies and a number of zones of high magnetism were outlined by the work program. In several cases the geochemical and geophysical anomalies are coincidental, showing an association of copper mineralization with magnetic minerals such as magnetite. Geological mapping also showed significant portions of the Tas claims are underlain by intrusives of the Copper Mountain stock. Recommendations were made to establish grid lines over the remaining areas of the property and carry out geochemical, geophysical and geological surveys to determine the dimensions of the anomalous zones.

3.0 EXPLORATION PROCEDURE

The grid coordinate system established in 1992 was used for the 1996 program.

3.1 GRID PARAMETERS

- baseline direction N-S
- survey lines perpendicular to baseline
- survey line separation 50 and 100 metres
- survey station spacing 25 metres, slope corrected
- survey total -88.55 - kilometres
- declination 21°

3.2 GEOCHEMICAL SURVEY PARAMETERS

- survey line separation 50 and 100 metres
- survey sample spacing 25 metres
- survey totals - 1349 soil samples
 - 20 rock samples
 - 1117 soil samples analyzed by 32 element ICP and for gold (10 gram)
 - 20 rock samples analyzed by 32 element ICP and for gold (10 gram)
- sample depth 10 to 20 centimetres
- samples taken from brown or orange B horizon

All samples were sent to Chemex Labs Ltd., 212 Brooksbank Ave., North Vancouver, B.C., V7J 2C1 for analysis. Laboratory technique for soil samples consists of preparing samples by drying at 95° C and sieving to minus 80 mesh. Rock samples were crushed, and split, with one split then ring ground to minus 150 mesh.

A 32 element ICP analysis and gold analysis (fire assay, atomic adsorption finish) were then carried out on the samples.

The soil geochemical data is plotted on Figures 6.0 and 7.0 and the certificates of analysis listed in Appendix I.

3.3 GEOPHYSICAL SURVEY PARAMETERS

TOTAL FIELD MAGNETIC SURVEY

- survey line spacing 50 and 100 metres
- survey station spacing 25 metres
- survey total - 61.0 kilometres
- instrument - Scintrex MP-2 magnetometer
- measured total magnetic field in nanoteslas (gammas)
- instrument accuracy ± 1 nanotesla
- operator faced north for all readings

Readings were taken along the baseline to obtain standard readings for all baseline stations. All loops ran off the baseline were then corrected to these standard values by the straight line method. Values taken in 1996 were corrected to the 1992 values.

The ground total field magnetic contours are plotted on Figure G1, the ground total field magnetic profiles on Figure G2 and the magnetic data listed in Appendix II.

VLF-EM SURVEY

- survey line spacing 50 and 100 metres
- survey station spacing 25 metres
- survey total - 79.75 kilometres
- transmitting station - Seattle - 24.8 KHz
- direction faced - southeasterly
- instrument - Geonics EM-16
- in-phase (dip angle) and out-of-phase (quadrature) components measured in percent at each station

The VLF-EM profiles are plotted on Figure G3 and the VLF EM data listed in Appendix II.

The geophysical interpretation is shown on Figure G4.

4.0 GEOLOGY AND MINERALIZATION

4.1 REGIONAL GEOLOGY

The Copper Mountain alkalic porphyry copper-gold camp (Figure 4.0) lies within the Intermontane Belt of southern British Columbia and is part of Quesnellia, a northerly trending, Mesozoic tectono-stratigraphic terrane. Here, Nicola Group volcanic rocks are intruded by a suite of Early Jurassic alkalic plutons, dykes, sills and irregular plugs of the Copper Mountain suite. The Tas claims cover the eastern portion of the Copper Mountain camp.

The oldest rocks in the area are Upper Triassic Nicola Group volcanic and sedimentary rocks. The Nicola Group has been divided into four lithologic assemblages, and in this area are part of the westerly dipping, "eastern volcanic belt". The eastern volcanic belt consists predominantly of subaqueous and subaerial alkalic intermediate and mafic volcanic flow, fragmental and epiclastic rocks deposited on and between several well defined emergent volcanic edifices.

There are two types of Jurassic intrusions within the Copper Mountain camp. The first type is diorite-to-monzonite and syenite of the Copper Mountain, Smelter Lake and Voigt stocks. The Copper Mountain stock bounds the belt of Nicola Group rocks on the south and covers approximately 6.5 square miles. It is a concentrically differentiated intrusion, elliptical in plan, the long axis of which strikes north 60° west and is approximately 4 miles long. The Smelter Lake and Voigt stocks occur on the north edge of the belt of Nicola Group rocks. Both stocks are smaller (Smelter Lake less than one square mile, Voigt 3.2 square miles) than the Copper Mountain stock in plan and do not exhibit any mapped concentric zoning.

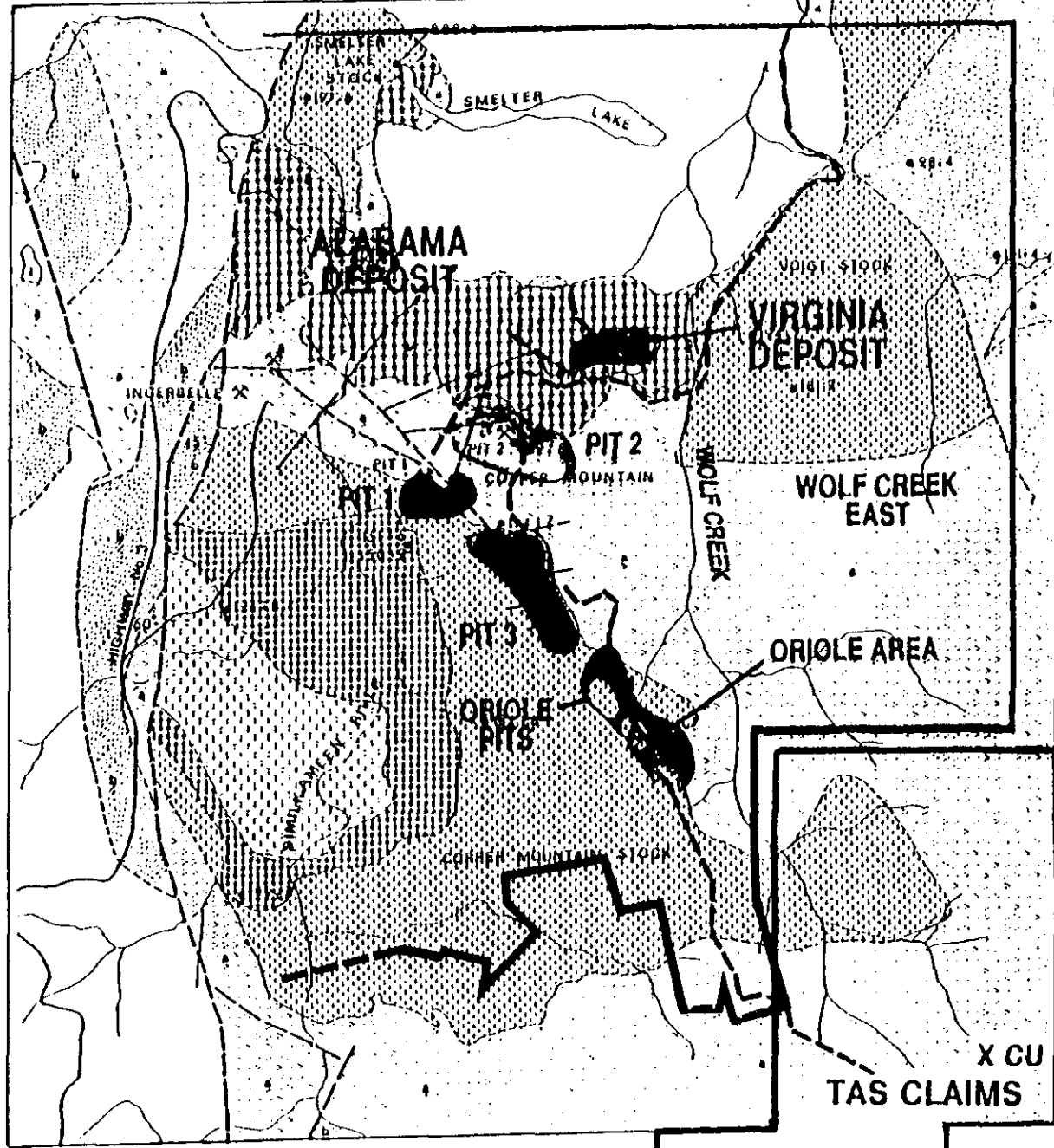
The Lost Horse intrusive complex is the second type of Jurassic intrusion. It lies immediately north of the belt of Nicola Group rocks and is a multi-phase suite of diorite to monzonite and minor syenite. They are believed to have been emplaced after the Copper Mountain, Smelter Lake and Voigt stocks and occur as a complex of dykes, sills and irregular bodies.

To the northeast of the Copper Mountain camp a body of Lower Cretaceous quartz monzonite and granodiorite of the Verde Creek intrusion cuts the Voigt stock. All of the above intrusive, volcanic and sedimentary rocks are cut and unconformably overlain by intrusive, volcanic and sedimentary rocks of the Middle Eocene Princeton Group.

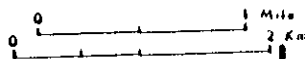
4.2 STRUCTURAL GEOLOGY

Many faults occur in the Copper Mountain-Ingerbelle area and the orientation, amount of displacement and timing of movement of the faults are very important because the faults have either localized mineralization or displaced it. They have been divided into four main sets, 1) northerly trending faults (Boundary fault) 2) east-west faults, 3) northwest faults (Main fault) and 4) northeast to east northeast (Mine Breaks).

Northerly trending faults of which the Boundary fault system is the best example are found in the western part of the map area. The Boundary fault dips approximately 65° to the west and has dip slip movement that post dates the Eocene Princeton Group. Late movement on the Boundary fault is likely related to east-west extension during the Eocene, as indicated by the northerly trending mine dykes.



GENERALIZED GEOLOGY OF THE COPPER MOUNTAIN AREA



MIDDLE EOCENE
PRINCETON GROUP

ANDREITIC VOLCANIC ROCKS

LOWER CRETACEOUS

WOLF CREEK QUARTZ MONZONITE

UPPER TRIASSIC

COPPER MOUNTAIN INTRUSIONS

100% MONZONITE

POSSIBLE MICROGNEISS TO MICROSLIPE

AND TROCHILITE

COPPER MOUNTAIN VOLCANIC AND SMELTER TALSUSKES
PERMOSITE TALSUSKES

MONZONITE

QUARTZ

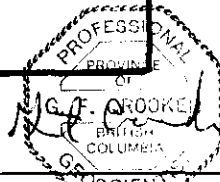
X Copper showing

NICOYA GROUP

M ANDREITIC VOLCANIC ROCKS

M SEDIMENTARY ROCKS

SAMPLE LOCATIONS AND AGE IN M.E. 8101.4



GEOTEC CONSULTANTS LTD.

MORELEIGH MINERALS CORP.

TAS CLAIMS
COPPER MTN. GEOLOGY

N.T.S. 92H-7,8

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DRAWN BY: G.F.C.

FIGURE 4.0

SCALE: AS SHOWN

REVISED:

East-west faults, that dip steeply south appear to be the locus for much of the mineralization at many of the deposits in the camp. These include the Gully fault that hosts the Ingerbelle deposit, Pit fault in Pit 2 and the structure that hosts the Virginia mineralization.

The Main fault is the most important structure of the northwest trending faults and it probably has a long and complex history. It closely parallels the northern contact of the Copper Mountain stock and has the same trend as the major regional faults in the Princeton area. The Main fault extends through the Oriole mineralized zone, Pits 3 and 1, Ingerbelle East and Ingerbelle deposits and appears to be one of the dominant controls of mineralization in the camp. The Alabama fault parallels the southeast contact of the Voigt stock and hosts much of the Alabama mineralization.

The northeast to east northeast trending faults appear to have localized mineralization in many areas at Copper Mountain. The "Mine Breaks" are a system of faults that belong to this group, and occur near the old Copper Mountain mine area. Though unmineralized themselves they have been considered ore controls by mine staff and are probably related to old structures as suggested by their relation to mineralization. These faults may be related to the east-west faults, although they are of slightly different attitude.

No major structural features were noted on the Tas claims from the geological mapping. However, a number of magnetic lineaments that probably represent faults were interpreted from the ground magnetic survey (Figure G4).

The magnetic lineaments have three orientations; northwesterly to northerly, northeast to east northeast and north northeast. These are generally the same orientations observed within the mineralized zones at Ingerbelle and Copper Mountain.

The north northwest trending lineament near the legal corner post of the Tas 1 and 2 claims may represent an extension of the Main fault that passes through the Oriole mineralized zone, Pits 3 and 1, Ingerbelle East and Ingerbelle deposits.

4.3 CLAIM GEOLOGY

All rock units (Figure 5.0) that are believed to underlie the Tas claims are described below. The classification of the units is taken from Preto (1972) to provide continuity with known geological information on the Copper Mountain camp. Figure 5.0 includes geological information gathered on the property during 1996 and previous years. Outcrop is scarce over much of the property, and road cuts show thick accumulations of overburden in many areas.

The oldest rocks underlying the claims belong to the Upper Triassic Wolfe Creek Formation of the Nicola Group. They are primarily volcanic in origin and deposition and have been divided into five units, four of which occur on the Tas claims. These include massive andesite (Unit 2a), volcanic breccia and agglomerate (Unit 2c), and tuff and tuff breccia (Unit 2d). Unit 2e consists of undifferentiated material.

Unit 2a is generally a massive, fine to medium grained porphyritic pyroxene-hornblende-plagioclase andesite, in part agglomeratic. The rock is in places extensively saussuritized, with replacement of plagioclase phenocrysts by epidote and sericite, and strong replacement of pyroxene by a light green amphibole. This unit was mapped in the southern part of the Tas 2 claim.

Rocks of unit 2c are coarse fragmental volcanic rocks that may be described as volcanic breccia and/or agglomerate. All rocks are dense, massive and, dark green or brownish in color. The fragments in the breccia vary from andesitic volcanic rocks to fine grained tuff and, locally limestone. Fragments generally vary in size from 1 to 10 centimetres, although occasionally blocks of 25 centimetres or more occur. In the area of the Tas claims the rocks are irregularly distributed in the volcanic succession of unit 2 as relatively small lenses associated with tuff or massive andesite. The unit was again mapped in the southern part of the Tas 2 claim.

Unit 2d is mainly greenish grey and green crystal tuff and lithic crystal tuff and, locally volcanic siltstone. These rocks are generally well and thinly bedded and at several locations show graded bedding and poorly developed crossbedding. They are characterized by beds of very fine grained silt alternating with beds of slightly coarser, sand sized material consisting of mainly broken plagioclase and some pyroxene crystals. Most rocks are of andesitic composition and the amount of quartz present varies from nil to a significant constituent. The unit is prevalent in the northern portion of the Tas 1 claim.

Two rock types of the Jurassic Copper Mountain stock underlie the claims, diorite (Unit 6) and microdiorite and latite porphyry dykes (Unit 10).

Unit 6 underlies the southern portion of the Tas 1 claim and covers an area approximately 1500 metres wide by 2000 metres long. It has been traditionally mapped as a fine to medium grained, light to dark green, massive augite diorite. However five thin sections submitted for petrographic examination during 1996 indicated these specimens to have the composition of a monzonite. They are described as fine grained, sub-porphyritic, quartz free igneous rocks. They consist predominantly of feldspars, being aggregates of subhedral prismatic plagioclase, in the size range 0.2 to 1.5 millimetres, intergrown with interstitial K-feldspar. Mafics are typically pyroxene and/or amphibole.

The monzonite also occurs as dykes, sills and possibly small igneous bodies in an area between lines 11000N and 11500N from 9700E to 10650E. It has intruded tuffaceous Wolfe Creek Formation rocks. A number of northerly trending Mine dykes also occur in this area. Due to the difficulty in recognizing the different intrusive rocks in the area, the dykes and sills may be part of the Lost Horse intrusive complex.

Unit 10 consists of dykes that range in composition from andesite to acid basalt and range in texture from dark grey, fine grained, trachyoid, latite porphyry with phenocrysts of plagioclase and pyroxene to massive fine to medium grained pyroxene microdiorite. The dykes range in width from one metre to 100 metres, cut all Nicola volcanic rocks and trend north northeast. This unit outcrops along line 11500N from 11300E to 11500E.

The Lost Horse intrusions have been divided into units 11 and 12. Unit 11 includes all rocks which do not form obvious dykes while unit 12 consists of well defined dykes up to 30 meters wide that cut unit 11 and rocks of the Nicola Group. Most rocks of the Lost Horse intrusions have a porphyritic texture and contain disseminated apatite crystals.

Rocks of unit 11 are fine to medium grained, almost invariably porphyritic and range in composition from diorite to monzonite or syenite. They are light grey green in color and are composed of intermediate plagioclase, clinopyroxene and varying amounts of potash feldspar. A few scattered outcrops of what is believed to be unit 11 (monzonite?) were found during the 1992 mapping along the baseline from 10350N to 10650N.

Unit 12 consists of latite and trachyte in approximately equal amounts and is invariably porphyritic. Texturally they range from latite or trachyte porphyry to porphyritic micromonzonite or microsyenite. They are mainly composed of plagioclase, pyroxene, biotite and potash feldspar.

The Upper Lower Cretaceous Verde Creek quartz monzonite (Unit 13) occurs along the eastern boundary of the Tas claims. It is usually medium grained, grey to pinkish grey and porphyritic. White plagioclase phenocrysts up to 5 millimetres long occur within a matrix of plagioclase, grey quartz and interstitial potash feldspar. Brown biotite forms up to 10% of the rock while lesser dark green or black hornblende is found in phases which contain less biotite. This unit has not been found in outcrop on the property.

Two types of post Lower Cretaceous dykes (Units 14 and 15) occur within the area. The Mine dykes (Unit 14) are a swarm of northerly trending, very steep to vertically dipping, buff to cream colored dykes of felsite, quartz porphyry and feldspar porphyry. The dykes range in composition from trachyte to rhyolite and vary in width from less than one metre to more than sixty metres. These felsite dykes occur at a number of locations including: between lines 10500N and 11500N from 10000E to 10300E, between lines 11100N and 11400N from 10700 to 10950E and between lines 7600N to 8300N from 10400E to 10600E.

Unit 15 consists of fine grained grey andesite dykes up to a few metres wide, or larger dykes of grey plagioclase, hornblende or pyroxene andesite porphyry. These dykes cut the mine dykes and their texture and composition suggest they are related to the Tertiary rocks of the Princeton Group. Outcrops of this unit occur at 12000E on lines 7600N and 8300N.

The youngest rocks in the area belong to the Lower Volcanic Formation of the Middle Eocene Princeton Group (Unit 17). This unit (17d) occurs as sparse, isolated, generally small dykes of fine grained, grey, flaggy andesite. Unit 17 has not been found in outcrop on the property.

4.4 ALTERATION

The Copper Mountain area does not display a typical style and distribution of alteration and mineralization as observed in many porphyry copper deposits. However, the alteration and mineralization do share some common features of alkalic porphyry deposits such as those associated with the Iron Mask batholith near Kamloops.

Hypogene alteration in the Copper Mountain camp consists of both pervasive alteration (metasomatism) and structurally controlled (vein type) alteration. The variety of volcanic and intrusive lithologies, the overprinting of alteration assemblages and the poor exposure makes the recognition of property scale alteration zones difficult.

4.4.1 Pervasive Alteration

The four most important pervasive assemblages in the camp are: 1) hornfels, 2) propylitic, 3) sodic, and 4) potassic. Early hornfels alteration was followed by slightly later, pervasive propylitic, and then sodic and potassic alteration.

Hornfels

Hornfels alteration of Nicola Group volcanic rocks occurs primarily between the northern margin of the Copper Mountain stock and the Lost Horse intrusive complex. Hornfels preceded all other alteration events and was caused by heat from the Copper Mountain stock and related intrusions.

Hornfels consists of the recrystallization of predominantly andesite flows and coarse fragmental volcanic rocks to a competent, dark purple, dark grey or black, fine grained matrix of diopside or biotite, plagioclase and magnetite.

Pervasive Propylitic

Pervasive propylitic alteration occurs locally throughout the camp but is most abundant at the margins of the camp. The alteration is typically dark to light green, selectively pervasive and not texturally destructive. It is characterized by patches of chlorite, actinolite, epidote and calcite replacements of mafic minerals and oligoclase/albite, epidote and calcite replacements of plagioclase and potassium feldspar. Pyrite and hematite with subordinate magnetite are also important alteration products.

Pervasive Sodic

Pervasive sodic alteration typically occurs within Lost Horse dykes and the immediately adjacent hornfelsed zones on their margins. It is most common along the northern margin of the Copper Mountain stock in the central portion of the camp. This type of alteration is widespread, affecting portions of Pits 1, 2, 3, the Ingerbelle Pit and the Oriole zone.

Sodic alteration (Na metasomatism) bleaches Lost Horse dykes and relatively fresh or hornfelsed volcanic rocks to a pale green or mottled white and grey color. The Na metasomatism involves the albitization of feldspar and the chloritization or epidotization of ferromagnesian minerals and the destruction of primary magnetite.

Pervasive Potassic

Pervasive potassic alteration also typically occurs within Lost horse dykes and the immediately adjacent hornfelsed zones on their margins. This type of alteration is widespread, representing the predominate pervasive alteration assemblage in the northern portion of Pit 2, the Virginia Pit, portions of the Ingerbelle Pit and the Alabama, Oriole and Voigt zones.

Pervasive potassic alteration locally crosscuts zones of earlier sodic alteration. Lost Horse dykes and volcanic rocks are typically a pinkish color. Plagioclase is replaced with potassium feldspar and ferromagnesian minerals with chlorite, biotite, epidote and calcite.

The sodic and potassic styles of alteration are similar in that they are characterized by replacement of feldspars and ferromagnesian minerals. They are also similar in that both assemblages are largely cut by sulphide bearing veins and occur within and immediately adjacent to Lost Horse dykes that intrude Nicola Group rocks north of the Copper Mountain stock.

Ore zones within the sodic alteration generally consist of sulphide vein stockwork zones, that is probably a result of the more brittle nature of the altered rock. Disseminated epidote and chalcopyrite are commonly

associated with potassic alteration. Most sulphide and nonsulphide bearing veins appear to be associated with the late stages of potassic alteration.

Propylitic alteration occurs within Nicola Group volcanic rocks over much of the Tas property. The alteration usually consists of widely spaced fractures with epidote and pyrite.

Three areas of weak to strong pervasive potassic alteration were found on the Tas claims. The largest zone (target T-3, Figures 8.0 and 9.0) shows weak to strong potassic alteration of monzonite of the Copper Mountain stock over an area approximately 600 metres long by up to 300 metres wide. This zone is along strike with the northwest-southeast striking Main fault that runs parallel to the north contact of the Copper Mountain stock.

Two thin sections from target T-3 show the potassium feldspar to be interstitial to the plagioclase, and occasionally ophitic, incorporating smaller prismatic grains of plagioclase. Mafics show weak to strong alteration to biotite and chlorite. Epidote forms local segregations as well as thin, multidirectional fracture fillings. The alteration is strongest along variously oriented fractures.

Target T-2 shows weak to moderate potassic alteration of monzonite/microdiorite breccia over an area approximately 300 metres long by 200 metres wide. The area may be larger, but thick accumulations of overburden cover possible extensions of the zone.

A thin section from target T-2 shows a heterogeneous distribution of potassium feldspar, suggesting a form of breccia. A thin section shows potassic altered areas representing monzonite fragments in a matrix of diorite. Potassium feldspar also occurs as prominent, sharply defined veinlets up to 2 millimetres wide. Mafics consist of pyroxene, partly modified to amphibole and moderately to strongly altered to chlorite. Epidote occurs predominately as infilling of narrow fractures.

Target T-1 is underlain by volcanics of the Wolfe creek Formation that have been intruded by dykes and sills of monzonite the Copper Mountain stock. Potassium feldspar occurs interstitial to the plagioclase and plagioclase shows mild to moderate alteration to fine-grained sericite and clays. Mafics show minor alteration to epidote. Opaques (mainly pyrite) are estimated at 9% and occur with the interstitial feldspar.

One thin section was also prepared from a small outcrop of monzonite from the north end of target T-4. This rock consists of a blocky to meshwork textured intergrowth of plagioclase, potassium feldspar and mafics. The potassium feldspar interstitially cements the plagioclase grains. The plagioclase shows mild dustings of fine-grained sericite, and is also commonly flecked and core replaced by microgranular epidote.

4.42 Structurally Controlled Alteration

The second important alteration style in the Copper Mountain camp consists of structurally controlled fractures with varying amounts of vein material. These veins can be divided temporally into early, intermediate and late stage varieties. Early veins are predominantly premineralization, intermediate veins predominately postmineralization and late veins postmineralization. Mineralized veins are represented by the latest early veins of which "Pegmatite-textured Veins" are the most important. Pegmatite-textured veins can be divided into several groups based on mineralogy: 1) barren veins; 2) bornite-chalcopyrite-(magnetite)-bearing veins; and chalcopyrite-pyrite-(magnetite)-bearing veins.

4.5 MINERALIZATION

The Copper Mountain area does not display a typical style and distribution of mineralization as observed in many porphyry copper deposits. Mineralization at Copper Mountain is related to strong structural controls. The three dominant structural orientations controlling the distribution of deposits within the area, as well as mineralization within the deposits is, northwest, northeast and east-west.

Mineralization varies from massive to semi-massive sulphide (+/- magnetite) veins and vein stockworks to microveins and fracture fillings to disseminated. While the relative proportion of mineralization type varies from deposit to deposit, all types of mineralization occur in each deposit.

Pyrite, chalcopyrite and bornite are the major sulphide minerals, with other sulphide minerals occurring in only trace amounts. Gangue minerals include (in order of abundance), magnetite, calcite, potassium feldspar, albite, epidote and chlorite. Bornite:chalcopyrite, silver:gold and copper:gold ratios are zoned from north to south, with higher ratios in the south that decrease northwards.

Seven small showings of copper mineralization have been found on the Tas claims (Figures 6.0 and 8.0). The showings generally consist of pyrite, chalcopyrite and malachite and assay results from the showings are given in Table 2.0.

Sample No.	Target	Au ppb	Ag ppm	As ppm	Cu ppm	Mo ppm	Pb ppm	Zn ppm
1-211	T-2	<5	2.0	<2	1855	3	4	126
1-214	T-1	<5	1.2	2	1370	6	4	72
1-223	T-1	20	4.2	<2	3980	<1	36	86
1-224	T-1	15	0.2	<2	199	1	12	321
1-225	T-1	15	<0.2	12	135	1	<2	48
1-218	T-3	45	2.2	<2	3050	1	<2	108
1-220	T-3	<5	0.4	<2	307	<1	<2	90
1-221	T-3	25	2.0	<2	1335	1	2	118

Two small copper showings were found within target T-1. Sample 1-214 was collected from rusty, fractured, intrusive float at 11300N & 9815E. Pyrite concentrations along fractures and as disseminations range between 1% and 2%, while chalcopyrite concentrations range between 1/4% and 1%. A grab sample of the float gave a weakly anomalous copper value of 1370 ppm and a weakly anomalous silver value of 1.2 ppm.

A second copper showing was found at 11225N & 10135E within target T-1. Sample 1-223 was taken from an approximately 0.5 metre wide zone of moderately fractured Wolfe Creek Formation volcanic rocks. Epidote, potassium feldspar, magnetite, malachite, pyrite and chalcopyrite occur along the fractures. The fracture containing the strongest concentrations of chalcopyrite (up to 2%) is oriented at 060° vertical, with a secondary fracture direction of 030° dip 70° east. Sample 1-223 (grab) gave a moderately anomalous copper value of 3980 ppm and weakly anomalous gold and silver values of 20 ppb and 4.2 ppm respectively.

Two shallow shafts located at 11060N & 10025E and 11205N & 10000E have exposed strong concentrations of disseminated and fracture controlled pyrite (5-20%). Moderate amounts of epidote, magnetite, and lesser potassium feldspar occur along fractures. Two grab samples (1-224 and 1-225) gave weakly anomalous copper (199 and 135 ppm) and gold (15 ppb) values.

One small copper showing was found at 9800N & 11050E within target T-2. Fractures contain epidote, potassium feldspar, magnetite, malachite and from a trace to 1% chalcopyrite. Alteration is strongest along fractures, but also shows weak pervasive alteration throughout the outcrop. The orientation of the fracture containing the chalcopyrite is 309° dip 45° southwest, with other fracture orientations at 104° dip 75° south and 030° dip 78° northwest. A grab sample of the showing (1-211) gave a weakly anomalous copper value of 1855 ppm and a weakly anomalous silver value of 2.0 ppm.

Three small copper showings were found within target T-3. The first showing is located at 9485N & 10050E and consists of epidote, potassium feldspar, pyrite, malachite and chalcopyrite occurring along fractures and as disseminations. The mineralization is exposed in an outcrop approximately three metres square and pyrite and chalcopyrite concentrations average about 1% each. A grab sample (1-218) gave 3050 ppm copper, 2.2 ppm silver and 45 ppb gold.

A second showing occurs at 9875N & 10100E and consists of weak to moderate potassic alteration along rusty fractures. Pyrite concentrations are about 1% with traces of chalcopyrite. A grab sample (1-220) gave 307 ppm copper.

The third showing is located at 9405N and 9950E and consists of epidote, potassium feldspar, pyrite and chalcopyrite occurring along fractures. Chalcopyrite concentrations range up to 1/2% and are associated with the strongest potassic alteration. A grab sample (1-221) gave 1335 ppm copper, 25 ppb gold and 2.0 ppm silver.

The most prominent fracture orientations within target T-3 are 330° to 350° and 270° to 290°.

5.0 GEOCHEMISTRY

5.1 SOIL GEOCHEMISTRY

5.11 Inter-Element Association

The soil geochemical inter-element correlation for the Tas claims is shown in Table 3.0.

TABLE 3.0 - SOIL GEOCHEMICAL INTER-ELEMENT CORRELATION MATRIX														
ELEMENTS	INTER-ELEMENT CORRELATION COEFFICIENTS													
	Au	Ag	As	Bi	Co	Cr	Cu	Fe	Hg	Mo	Ni	Pb	Sb	Zn
Au	1.000	.058	.061	.049	.071	.014	.111	.047	-.016	-.014	.021	-.001	.019	.002
Ag	.058	1.000	.032	.151	.184	.131	.640	.186	-.022	.138	.082	.184	.227	.118
As	.061	.032	1.000	.011	.201	.135	.020	.240	-.037	.132	.087	.098	.035	.052
Bi	.049	.151	.011	1.000	.018	.026	.266	.115	-.022	.003	.006	.013	.213	.057
Co	.071	.184	.201	.018	1.000	.448	.337	.738	.017	.116	.531	.259	.086	.192
Cr	.014	.131	.135	.026	.448	1.000	.243	.498	-.001	.253	.448	.209	.159	.028
Cu	.111	.640	.020	.266	.337	.243	1.000	.354	-.012	.133	.250	.159	.306	.067
Fe	.047	.186	.240	.115	.738	.498	.354	1.000	.009	.167	.429	.258	.128	.203
Hg	-.016	-.022	-.037	-.022	.017	-.010	-.012	.009	1.000	-.009	-.006	-.004	-.004	-.063
Mo	-.014	.138	.132	.003	.116	.253	.133	.167	-.009	1.000	.173	.170	.006	.076
Ni	.021	.082	.087	.006	.531	.448	.250	.429	-.006	.173	1.000	.274	.073	.157
Pb	-.001	.184	.098	.013	.259	.209	.159	.258	-.004	.017	.274	1.00	.056	.153
Sb	.019	.227	.035	.213	.086	.159	.308	.128	-.004	.006	.073	.056	1.00	.717
Zn	.002	.118	.052	.057	.192	.028	.067	.203	-.063	.076	.157	.153	.018	1.00

The inter-element association indicates a positive correlation in decreasing order with the following elements:

- Au: Cu, Co, As, Ag, Bi, Fe
- Cu: Ag, Sb, Fe, Co, Bi, Cr, Mo, Au
- Ag: Cu, Sb, Fe, Co, Pb, Bi, Mo, Cr
- Mo: Cr, Ni, Pb, Fe, Ag, Cu,

Gold shows a moderate correlation with copper, cobalt, arsenic and silver, while copper shows a strong correlation with silver, antimony, iron and cobalt. Silver shows a strong correlation with copper, antimony and iron.

5.12 Geochemical Anomalies

The background and anomalous values were determined by statistical methods and are represented in Table 4.0.

TABLE 4.0 - ANOMALOUS SOIL GEOCHEMICAL VALUES			
ELEMENT	RANGE	BACKGROUND	ANOMALOUS
Au ppb	5-190	6	20
Ag ppm	0.2-3.2	0.2	0.4
As ppm	2-26	3	6
Bi ppm	2-12	2	4
Co ppm	1-36	7	15
Cr ppm	2-113	13	25
Cu ppm	3-1685	55	90
Fe %	0.12-5.95	2.2	4
Hg ppm	1-5	1	2
Mo ppm	1-8	1	2
Ni ppm	1-57	8	15
Pb ppm	2-82	7	15
Sb ppm	2-10	2	4
Zn ppm	10-942	109	220

Gold

Gold values ranged from <5 to 190 ppb (Figure 6.0) with background established at 6 ppb and anomalous values 20 ppb and greater. Fifteen samples were considered anomalous and all are single station anomalies.

Silver

Silver values ranged from <0.2 to 3.2 ppm (Figure 7.0) with background established at 0.2 ppm and anomalous values 0.4 ppm and greater. Five weak to moderate silver soil geochemical anomalies were outlined.

Silver anomaly Ag-1 is a weak to moderate, linear anomaly extending over a strike length of 500 metres. It occurs coincidentally with the eastern portion of copper anomaly Cu-2 and anomalous zinc values. Most of the area is overburden covered although the area is believed to be underlain by monzonites of the Copper Mountain stock.

Silver anomaly Ag-2 is a small, moderate anomaly occurring in the southwestern portion of copper anomaly Cu-3.

Silver anomaly Ag-3 is a small, weak to moderate anomaly occurring coincidentally with part of zinc anomaly Zn-2. The northern portion of the anomaly also occurs coincidentally with an induced polarization chargeability anomaly.

Silver anomalies Ag-4 and Ag-5 are two weak to moderate, linear, parallel anomalies with no other elements coincidentally anomalous. Anomaly Ag-4 is the largest, approximately 900 metres long by 100 to 200 metres wide, while Ag-5 is approximately 500 metres long by 50 to 100 metres wide. The anomalies are 50 to 75 metres apart and could be interpreted as one large anomaly. These two anomalies occur south of copper anomaly Cu-4 and may be along a common structural feature. The southern portion of anomaly Ag-5 occurs coincidentally with a chargeability anomaly.

Copper

Copper values ranged from 3 to 1685 ppm with the background established at 55 ppm and anomalous values 90 ppm and greater. Five, weak to strong copper soil geochemical anomalies of variable dimension were outlined.

Copper anomaly Cu-1 is a weak to strong anomaly 500 metres long by approximately 300 metres wide. The two highest copper soil geochemical values of 1100 and 1600 ppm occur within this anomaly as well as a number of weakly to moderately anomalous silver values. Two copper showings (chalcopyrite) were also found within the anomaly. The area is mainly underlain by tuffaceous sediments of the Wolfe Creek formation that have been intruded by dykes and irregular shaped bodies of the Copper Mountain stock.

Copper anomaly Cu-2 is a weak to strong anomaly 500 metres long by 350 metres wide. Copper values range up to almost 600 ppm within the anomaly, and silver anomaly Ag-1 and anomalous zinc values occur along the eastern (upslope) margin. Almost all of the anomaly is covered by overburden although potassic altered Copper Mountain monzonite outcrops along the southern edge. One copper showing (chalcopyrite) was found within the anomaly.

Copper anomalies Cu-3 and Cu-4 are two weak to moderate anomalies covering an area approximately 700 metres by 700 metres. Copper values range up to 369 ppm within the anomaly and a number of silver values are weakly to moderately anomalous. The area is underlain by potassic altered Copper Mountain intrusives and three copper showings (chalcopyrite) were found adjacent to anomaly Cu-3. Road cuts in the area indicate thick accumulations of overburden, and this may be masking the geochemical response.

Copper anomaly Cu-5 is a small, weak to moderate anomaly 300 metres long by 150 metres wide. Copper values range up to 359 ppm and several silver values are weakly anomalous. Several other small areas also show weakly to moderately anomalous copper values. Andesites of the Wolfe Creek formation underlie the anomaly.

Zinc

Zinc values ranged from 10 to 942 ppm (Figure 7.0) with the background established at 109 ppm and anomalous values 220 ppm and greater. Two linear, weak to moderate zinc soil geochemical anomalies were outlined.

Zinc anomaly Zn-1 is a weak to moderate linear anomaly 700 metres long by 200 metres wide. Several weakly anomalous silver values occur within the anomaly. Copper anomaly Cu-2 and silver anomaly Ag-1 occur 100 metres down slope from the anomaly.

Zinc anomaly Zn-2 is a weak linear anomaly 700 metres long by 100 metres wide. Silver anomaly Ag-3 occurs coincidentally with the central portion of the zinc anomaly, as does a chargeability anomaly.

5.13 Geochemical Response

The soil geochemical response over the property varied greatly. Copper (five anomalies) and silver (five anomalies) gave the strongest geochemical responses and also showed strong inter-element correlation. Gold values were weak over the entire property.

Multi-element soil geochemistry has been used with limited success on the Copper Mountain mineral deposits. Much of the property is covered by a variable thickness of glacial overburden soil development is poor. In many cases "A" horizons are developed directly on unweathered glacial till or desegregated bedrock. As a result, in areas of thick overburden (>2 metres) anomalous geochemical values are isolated and erratic. Any anomalous soil geochemical values in these areas must be examined very carefully as much of the response may be masked by the overburden.

A considerable thickness of overburden was noted within and adjacent to the geochemical anomalies on the Tas claims. As in other portions of the Copper Mountain Camp, the overburden may be masking the geochemical response on the Tas claims.

6.0 GEOPHYSICS

6.1 MAGNETIC SURVEY

A total of 61.0 kilometres of total field magnetic survey was carried out on the Tas survey grid during 1996. Magnetic data collected in previous surveys was incorporated with the 1996 data, giving a total of 89.5 kilometres of total field magnetic data that were interpreted. Survey lines were spaced at 50 metre intervals between lines 11000N & 11500N, and 100 metre intervals over the remainder of the grid. Station spacing was 25 metres on all lines. Magnetic contours are displayed on Figure G1 and magnetic profiles, at a profile scale of 1 centimetre = 1000 nT, are displayed on Figure G2. Interpretex Resources Ltd provided an interpretation of the results (Appendix IV).

With reference to mapped geology, magnetic results were used to predict general geologic domains within the survey grid. Magnetic lineaments suggests faults trending northerly, northwest and northeast as shown on Figure G4.

6.2 VLF-EM SURVEY

A total of 79.75 kilometres of VLF EM survey were carried out on the Tas survey grid during 1996. VLF EM data collected in previous surveys was incorporated into the 1996 data, giving a total of 89.5 kilometres of VLF EM data that were interpreted. VLF EM profiles show a moderate to strong response to widespread conductivity as displayed on Figure G3. Topographic bias, due to up and down slope VLF instrument orientation, can be seen in VLF EM profiles on all survey lines. Topographic bias in rugged terrain can provide profile characteristics that resemble real conductors although they are usually broad and follow the topographic contours. A number of these characteristics can be seen in the present data. These features are not interpreted as VLF anomalies. Those anomalies that are considered bonafide, in many cases, form conductor systems that trend north-south, northeast and sometimes northwest as shown on the interpretation map, Figure G4.

6.3 GEOPHYSICAL RESPONSE

General local surface rock types predicted from magnetic data are believed to be intrusive rocks, probably of the Copper Mountain stock, that have intruded older volcanic rocks. The intrusive bodies, as suggested by magnetic data, appear to be broken up by faults and occur in sections or pods suggesting that they may be apophyses of the main intrusion. Magnetic profile character indicates that there are four separate areas of intrusive rock type that have large extent or deep "roots". These areas are shown on Figure G4.

Other magnetic highs seem to show a smaller base and less depth extent suggesting they represent dykes or sills. Magnetic lows, that are lower than the low magnetic background of the volcanic rocks have been interpreted as alteration zones. These alteration zones may be due to alteration in faults and fault intersections, and are believed to be important areas for additional exploration. It must be remembered that both magnetic highs and lows are associated with mineralization that can be both magnetite stable and magnetite destructive.

Surface geological mapping concurs with the magnetic interpretation that the broad magnetic high in the central portion of the claim group is caused by intrusive rocks of the Copper Mountain stock. The geological mapping also indicates the magnetic highs in the northeast, southeast and southwest portions of the claims are underlain by volcanic rocks of the Wolfe Creek Formation. However, sparse outcrop over these areas does leave open the possibility some of the areas are underlain by intrusive rocks.

Regions that contain VLF EM conductors, interpreted faults and conductive faults associated with the magnetic intrusive have been interpreted as geophysical targets that may contain economic concentrations of sulphides. These geophysical target areas have been labeled with priority numbers for follow-up exploration on Figure G4.

Geophysical Target 1

A linear north northwest trending magnetic high, that includes a number of stronger, wider highs, is interpreted as a dyke of the intrusive material that has intruded along a structure. This dyke, shown on Figure G4 as "Dyke-Intrusive Rock Type" correlates with VLF conductivity in the northern third of the survey grid. The conductive portion of this dyke, especially the part above 5465000N, is assigned priority 1. Both the conductive dyke, as well as a north northeast conductive fault splaying off the dyke are considered good exploration targets.

Geophysical Target 2

The area described as geophysical target 2 is mainly north of the Tas 1/Tas 2 claim line. Geophysical target 2 falls within one of the interpreted intrusive rock zones that magnetic profiles indicate has a large depth extent or "root". Northerly trending conductive faults, fault intersections and conductivity within this region are second priority follow-up targets.

Geophysical Target 3

Target-3 is an intrusive with a deep root, consists of conductive faults and a fault intersection that may contain sulphide mineralization.

Geophysical Target 4

The two southern survey lines, separated by 300 metres from the main grid, show one of the strongest VLF EM conductors on the property. This northwest trending conductor falls within the most southerly deep rooted magnetic high outlined by the present grid. Conductivity coincides with lower magnetism that may indicate sulphide conductivity within a fault.

Geophysical Target 5

This target is in the region of the legal corner post and the claim line between the Tas 1 and 2 claims. Target 5 includes conductivity in rocks interpreted as volcanics, but that is associated with an interpreted north northwest fault that continues from the volcanics southeast into the intrusive rock. A fault, that seems to be partly conductive, appears to splay off to the northeast into the volcanic rocks. The conductive portion of this fault, near the intersection with the main north northwest fault, is also considered part of target 5, although VLF EM profiles indicate the conductivity is narrow and has limited depth extent.

Geophysical Target 6

Target 6 is near the northern claim boundary in the vicinity of Tie Line 11200E. The target consists of three short, moderate to weak conductors within the intrusive rock type.

Geophysical Target 7

Strong north-south VLF EM conductors in the northeast corner of the survey area are associated with edges of small patches of intrusive rocks. These conductors may represent conductive sulphides within *short faults and are considered priority 7.*

7.0 CONCLUSIONS

7.1 Based on the Copper Mountain porphyry copper-gold-silver model and the encouraging exploration results, the Tas property has the potential for the discovery of Copper Mountain porphyry type deposits. There is sufficient and favorable geological, geochemical and geophysical evidence to support this potential.

7.2 Within the Copper Mountain camp, copper-gold-silver mineralization occurs predominantly within bornite-chalcopyrite-pyrite-magnetite bearing veins associated with high temperature sodic and potassic alteration. Structure is the most important overall ore control, with easterly, northeasterly, northwesterly and northerly striking structures most important. Most of the deposits and prospects occur along, or at intersections of these macrostructures. Mineralization is related to late phases of the Copper Mountain stock.

7.3 The Tas claims are underlain by volcanic and sedimentary rocks of the Wolfe Creek Formation (Nicola Group) that have been intruded by monzonites of the Copper Mountain stock. The Copper Mountain stock occupies an area of about three square kilometres along the boundary of the Tas 1 and 2 claims. Dykes and sills of the Lost Horse intrusive complex may intrude Wolfe Creek Formation in the northwest corner of the claim group.

7.4 Targets T-1, T-2 and T-3 all show varying amounts of potassic alteration and small copper showings have been found within each target.

7.5 The soil geochemical response on the Tas claims is very favorable, with four significant, weak to strong copper anomalies outlined on the property. Silver shows good correlation with copper, while gold values are erratic. Production from the Copper Mountain camp has shown silver:gold and copper:gold ratios are zoned from north to south with higher ratios in the south. Thus silver values are higher in the Pit 3 and Oriole zones nearest the Tas claims. Tas geochemistry bears this out with a strong correlation between copper and silver. The soil geochemical responses are very significant considering much of the property is underlain by variable thicknesses of glacial overburden and soil development is poor. As a result, soil geochemical responses over these areas are isolated and erratic with the response reduced or masked entirely.

7.6 The magnetic and VLF EM surveys were successful in defining a number of significant geophysical features. The magnetic survey outlined a broad magnetic high that outlines the Copper Mountain stock. A number of magnetic lineaments were outlined suggesting faults trending northerly, northwesterly and northeasterly. VLF EM anomalies, in many cases form conductor systems that trend north-south, northeast and northwest. As the mineralization within the Copper Mountain camp exhibits strong structural control, these structural features are of paramount importance. The magnetic lineaments and VLF EM conductors occurring in areas of anomalous copper soil geochemistry and/or potassic alteration are especially important.

7.7 Traditional exploration techniques were used through the 1970's to discover most deposits and prospects at Copper Mountain. Surface prospecting for mineralization in the Copper Mountain camp is severely limited by scarcity of outcrop and thick accumulations of glacial overburden. The overburden has generally prevented surface prospecting from being a successful tool for discovering additional mineralization within the camp. In the 1980's and 1990's the most productive exploration techniques have

been those that identify specific geological features associated with the mineralization (such as structures controlling mineralization or alteration facies) rather than the mineralization itself.

7.8 The exploration results on the Tas property are encouraging. A combination of several coincidental geological, geochemical and geophysical anomalies, has delineated 6 target areas warranting follow-up exploration. Table 5.0 lists the targets and prioritizes the areas for detailed evaluation. The target areas (T-1 to T-6) are located on the Compilation Map (Figure 8.0) and the Proposed Exploration - Target Areas (Figure 9.0).

7.9 It is concluded that the Tas property contains favorable exploration targets to host Copper Mountain type porphyry copper-gold deposits. It is recommended that further exploration be conducted on the property. The exploration results are encouraging as supported by favorable geology, copper-silver soil geochemical anomalies, potassic alteration associated with small showings of copper (chalcopyrite), and magnetic linears (faults) and VLF EM conductors along favorable structural orientations. The discovery of potential economic copper targets on the property is complicated by thick accumulations of overburden that mask geochemical response and limit outcrop exposure.

TABLE 5.0 - EXPLORATION TARGET AREAS

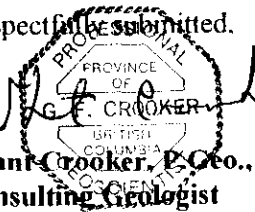
TARGETS		EXPLORATION INDICATORS				EXPLORATION EVALUATION		
ID	AREA (KM sq)	GEOLOGY	GEOCHEMISTRY ROCK SOIL		GEOPHYSICS	PROGRAM	RATING	PRIORITY
T-1	.35	OB CM?, LH? WC K, ep, py, mag, cpy	Cu:W-M Au:W Ag:W	Cu:W-S Ag:W	MagH CS MagLi-NNE, N, NNW	P, IP, TR, CR	I	Second
T-2	.60	OB CM WC K, py, mag, cpy	Cu:W Ag:W	Cu:W-S Ag:W-M Zn:W-M	MagH CS MagLi-NNW, NE	P, IP, TR, CR	I	Third
T-3	.69	OB CM K, ep, py, mag, cpy	Cu:W-M Au:W Ag:W	Cu:W-S Ag:W	MagH MagLo CS MagLi-N, NNE, NNW	P, IP, TR, CR	I	First
T-4	.33	OB WC CM? ep, py	Cu:nil	Cu:W Ag:W Zn:W	CH CS MagLi-E, NE	P, IP, TR	II	First
T-5	.77	OB WC ep, py, cpy	Cu:W	Ag:W-M Zn:W	CH MagH MagLi-NNW	P, IP, TR	II	Second
T-6	.21	OB WC	Cu:nil	Cu:W Ag:W	MagH CS MagLi-N, NE	P	II	Third
GEOLOGY		GEOCHEMISTRY	GEOPHYSICS		PROGRAM	RATING	PRIORITY	
OB-Overburden LH-Lost Horse Complex CM-Copper Mountain Intrusive WC-Wolfe Creek Fm K-Potassic Alteration cpy-chalcopyrite mag-magnetite py-pyrite, ep-epidote		W-Weak M-Moderate S-Strong N-none Cu-copper Ag-silver Au-gold Zn-zinc	MagH-Magnetic High MagLo-Magnetic Low CH-Chargeability CS-Conductor System MagLi-Magnetic Linear NNE-North Northeast NNW-North Northwest NE-Northeast, N-North NW-Northwest, E-East		P-Prospecting G-Geology GC-Geochemistry GP-Mag/VLF IP-IP Survey TR-Trenching CR-Core Drilling	I-High II-Medium III-Low	First Second Third	

8.0 RECOMMENDATIONS

The 1996 exploration yielded positive results and further work is warranted on the property. The exploration program should be conducted as follows:

- continue to evaluate the property through geological mapping and prospecting
- establish I.P. grid over target areas 1 to 5
- conduct I.P. survey over target areas 1 to 5
- conduct trenching over target areas and I.P. anomalies
- conduct reverse circulation/core drilling over favourable targets

Respectfully submitted,


Grant Crooker, P. Geo.,
Consulting Geologist

J. 1, 29/97

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10.0 CERTIFICATE OF QUALIFICATIONS

I, Grant F. Crooker, of Upper Bench Road, P0 Box 404, Keremeos, British Columbia, Canada, VOX 1N0 do certify that:

I am a Consulting Geologist registered with the Association of Professional Engineers and Geoscientists of the Province of British Columbia (Registration No.18961);

I am a Fellow of the Geological Association of Canada (Registration No.3758) and I am a Member of the Canadian Institute of Mining and Metallurgy and Petroleum;

I am a graduate (1972) of the University of British Columbia with a Bachelor of Science degree (B.Sc.) from the Faculty of Science having completed the Major program in Geology;

I have practiced my profession as a geologist for over 20 years, and since 1980, I have been practicing as a consulting geologist and, in this capacity, have examined and reported on numerous mineral properties in North and South America;

I have based this report on field examinations within the area of interest and on a review of the technical and geological data

I am the owner of the Tas claims;

Respectfully submitted,


Grant F. Crooker, P. Geol.,
GFC Consultants Inc.

July 27/17

APPENDIX I
CERTIFICATES OF ANALYSIS



Chemex Labs Ltd.

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A9618157

Comments: ATTN: L.W SALEKEN

CERTIFICATE **A9618157**

(LOY) - GEOTEC CONSULTANTS LTD.

Project:
 P.O. #:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 22-MAY-96.

SAMPLE PREPARATION		
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	6	Geochem ring to approx 150 mesh
226	6	0-3 Kg crush and split
3202	6	Rock - save entire reject
220	2	Transferring charge
222	2	Drying charge (0-3 Kg)
229	6	ICP - AQ Digestion charge

* NOTE 1:

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

ANALYTICAL PROCEDURES					
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	6	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	6	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	6	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	6	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	6	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	6	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	6	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	6	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	6	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	6	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	6	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	6	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	6	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	6	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
20	6	Hg ppb: HNO3-HCl digestion	AAS-FLAMELESS	10	100000
2132	6	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	6	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	6	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	6	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	6	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	6	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	6	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	6	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	6	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	6	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	6	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	6	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	6	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	6	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	6	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	6	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	6	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	6	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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028399063985210	205 226	1	0.04	5	1300	6	< 2	6	28	0.20	< 10	< 10	123	< 10	162
028335963986211	205 226	3	0.06	9	990	4	< 2	4	68	0.10	< 10	< 10	151	< 10	126
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CERTIFICATION: [Signature]



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Account: LOY

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1028238063490221	205 226	35 < 0.2	1.74 < 2	40 < 0.5	2	1.50 < 0.5	37	33	1333	4.29 < 10	< 1	0.29 < 10	1.31	605						
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1028241563455218	205 226	45 < 2	1.45 < 2	110 < 0.5	13	1.08 < 0.5	19	27	1080	9.11 < 10	< 1	0.42 < 10	1.14	610						
1028247063470220	205 226	< 5	0.4	1.47 < 2	30 < 0.5	< 2	1.35 < 0.5	16	34	307	4.11 < 10	< 1	0.32 < 10	0.92	520					
1028248865346223	205 226	70 < 2	1.09 < 2	30 < 0.5	4	1.28 < 0.5	13	24	3980	3.87 < 10	< 1	0.07 < 10	0.53	310						
1028249565416222	205 226	< 5	0.2	1.69 < 2	30 < 0.5	< 2	1.47 < 0.5	24	32	381	4.03 < 10	< 1	0.10 < 10	0.67	245					
1028254063475219	205 226	< 5	1.0	1.74 < 4	100 < 0.5	< 2	2.16 < 0.5	17	17	359	3.18 < 10	< 1	0.41 < 10	0.63	865					
1028255163317217	205 226	< 5	0.6	2.44 < 2	50 < 0.5	< 2	1.77 < 0.5	27	27	84	5.88 < 10	< 1	0.23 < 10	1.56	1890					
1028255062470215	205 226	< 5 < 0.2	2.54 < 2	40 < 0.5	< 2	1.48 < 0.5	18	31	19	5.23 < 10	< 1	0.11 < 10	1.69	845						
1028612062540216	205 226	< 5	0.2	2.65 < 2	30 < 0.5	< 2	1.40 < 0.5	16	30	77	4.96 < 10	< 1	0.20 < 10	1.60	1085					

CERTIFICATION: *Grant Crooker*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: GEOTEC CONSULTANTS LTD.

6976 LABURNUM ST.
VANCOUVER, BC
V6P 5M9

Project: TAS
Comments: CC: GRANT CROOKER

Page Number: 1-B
Total Pages: 11
Certificate Date: 14-OCT-96
Invoice No.: 19634935
P.O. Number: 02
Account: LOY

CERTIFICATE OF ANALYSIS A9634935

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
1028228965324225	205 226	1	0.15	22	1310	< 2	2	8	81	0.17 < 10	< 10	111	< 10	46	
1028238063490221	205 226	1	0.03	5	1290	2	2	5	109	0.14 < 10	< 10	168	< 10	118	
1028238965103224	205 226	1	0.07	6	1190	12	< 2	1	45	0.13 < 10	< 10	64	< 10	32	
1028241563455218	205 226	1	0.04	1	1470	< 2	6	2	55	0.12 < 10	< 10	197	< 10	108	
1028247063470220	205 226	< 1	0.04	1	1380	< 2	2	3	60	0.09 < 10	< 10	151	< 10	90	
1028248865346223	205 226	< 1	0.04	3	1170	36	12	2	68	0.10 < 10	< 10	94	< 10	86	
1028249565416222	205 226	< 1	0.08	3	1460	6	< 2	2	73	0.21 < 10	< 10	129	< 10	46	
1028254063475219	205 226	1	0.03	3	1570	8	< 2	7	122	0.09 < 10	< 10	106	< 10	70	
1028255163317217	205 226	< 1	0.04	5	1690	6	< 2	6	31	0.23 < 10	< 10	185	< 10	1905	
1028255062470215	205 226	< 1	0.01	5	1530	2	< 2	5	131	0.23 < 10	< 10	172	< 10	88	
1028612062540216	205 226	< 1	0.02	1	1450	4	< 2	4	72	0.21 < 10	< 10	221	< 10	64	

CERTIFICATION: *Grant Crooker*



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6976 LABURNUM ST.
 VANCOUVER, BC
 V6P 5M9

Project: TAS
 Comments: ATTN: L.W. SALEKEN CC: GRANT CROOKER

Total Pages: 6
 Certificate Date: 16-SEP-96
 Invoice No: 19631220
 P.O. Number:
 Account: LOY

CERTIFICATE OF ANALYSIS A9631220

SAMPLE	PREP CODE	Au	Ag	Al	As	Ba	Be	Bi	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	
		ppb	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
#600N 10000E	201 202	< 5	< 0.2	1.87	6	110	< 0.5	< 2	0.34	< 0.5	7	8	34	1.97	< 10	1	0.04	< 10	0.29	1095
#600N 10050E	201 202	< 5	0.2	2.43	10	90	< 0.5	< 2	0.22	2.5	10	10	30	2.26	< 10	1	0.05	< 10	0.10	715
#600N 10100E	201 202	< 5	0.4	1.71	6	80	< 0.5	< 2	0.34	< 0.5	6	9	37	1.93	< 10	< 1	0.04	< 10	0.23	500
#600N 10150E	201 202	< 5	0.2	1.52	2	70	< 0.5	< 2	0.29	< 0.5	6	7	22	1.81	< 10	< 1	0.04	< 10	0.18	630
#600N 10200E	201 202	< 5	0.4	1.88	10	80	< 0.5	< 2	0.41	< 0.5	8	13	40	2.43	< 10	< 1	0.05	< 10	0.33	165
#600N 10250E	201 202	< 5	0.4	2.09	4	40	< 0.5	< 2	0.68	< 0.5	7	10	54	2.05	< 10	< 1	0.03	< 10	0.24	615
#600N 10300E	201 202	< 5	0.8	2.07	4	40	< 0.5	< 2	0.98	0.8	12	13	105	2.74	< 10	< 1	0.03	< 10	0.44	365
#600N 10350E	201 202	< 5	0.6	1.90	8	60	< 0.5	< 2	0.93	< 0.5	7	13	80	2.44	< 10	< 1	0.05	< 10	0.41	305
#600N 10400E	201 202	< 5	< 0.2	1.36	2	40	< 0.5	< 2	0.83	< 0.5	8	8	39	1.49	< 10	< 1	0.03	< 10	0.34	185
#600N 10450E	201 202	< 5	0.2	1.73	6	50	< 0.5	< 2	0.26	< 0.5	7	7	15	1.74	< 10	< 1	0.03	< 10	0.13	225
#600N 10500E	201 202	< 5	0.4	1.39	6	40	< 0.5	< 2	0.41	< 0.5	6	7	21	1.78	< 10	< 1	0.03	< 10	0.21	350
#600N 10550E	201 202	< 5	0.2	1.94	6	70	< 0.5	< 2	0.36	< 0.5	7	11	29	2.14	< 10	< 1	0.05	< 10	0.24	185
#600N 10600E	201 202	< 5	0.2	1.73	4	80	< 0.5	< 2	0.38	0.8	6	9	24	1.93	< 10	< 1	0.05	< 10	0.18	350
#600N 10650E	201 202	< 5	< 0.2	1.37	6	60	< 0.5	< 2	0.43	< 0.5	6	7	27	1.90	< 10	< 1	0.04	< 10	0.23	325
#600N 10700E	201 202	< 5	< 0.2	1.17	6	60	< 0.5	< 2	0.36	< 0.5	8	6	21	1.78	< 10	< 1	0.04	< 10	0.19	190
#600N 10750E	201 202	< 5	< 0.2	1.33	6	70	< 0.5	< 2	0.36	< 0.5	8	7	28	1.72	< 10	< 1	0.08	< 10	0.23	650
#600N 10800E	201 202	< 5	< 0.2	1.70	6	100	< 0.5	< 2	0.29	< 0.5	7	6	26	2.07	< 10	< 1	0.05	< 10	0.20	385
#600N 10850E	201 202	< 5	< 0.2	1.36	10	110	< 0.5	< 2	0.20	< 0.5	6	6	21	1.76	< 10	< 1	0.04	< 10	0.16	1335
#600N 10900E	201 202	< 5	0.2	1.62	10	80	< 0.5	< 2	0.23	< 0.5	7	6	26	1.86	< 10	< 1	0.04	< 10	0.16	895
#600N 10950E	201 202	< 5	< 0.2	1.89	10	80	< 0.5	< 2	0.23	< 0.5	9	6	22	1.88	< 10	< 1	0.04	< 10	0.15	1345
#600N 11000E	201 202	< 5	< 0.2	1.33	2	40	< 0.5	< 2	0.31	< 0.5	1	3	15	0.81	< 10	< 1	0.01	< 10	0.10	60
#600N 11050E	201 202	< 5	0.2	2.62	10	80	< 0.5	< 2	0.31	< 0.5	7	6	43	2.30	< 10	< 1	0.05	< 10	0.22	290
#600N 11100E	201 202	< 5	0.2	3.94	12	120	1.0	< 2	0.48	< 0.5	10	15	100	3.45	< 10	< 1	0.08	< 10	0.44	775
#600N 11150E	201 202	< 5	< 0.2	1.80	10	90	< 0.5	< 2	0.39	< 0.5	8	8	36	2.43	< 10	< 1	0.04	< 10	0.24	350
#600N 11200E	201 202	< 5	0.2	2.28	4	50	< 0.5	< 2	0.17	< 0.5	7	9	72	2.17	< 10	< 1	0.04	< 10	0.17	355
#600N 11250E	201 202	< 5	0.4	1.61	2	20	< 0.5	< 2	0.26	< 0.5	6	12	109	2.38	< 10	< 2	0.05	< 10	0.27	265
#600N 11300E	201 202	< 5	< 0.2	1.10	4	30	< 0.5	< 2	0.49	< 0.5	5	8	30	1.87	< 10	< 1	0.04	< 10	0.21	240
#600N 11350E	201 202	< 5	0.2	1.87	4	80	< 0.5	< 2	0.38	< 0.5	7	7	28	1.86	< 10	< 1	0.04	< 10	0.18	345
#600N 11400E	201 202	< 5	< 0.2	1.01	6	50	< 0.5	< 2	0.59	< 0.5	10	7	49	2.45	< 10	< 1	0.12	< 10	0.35	810
#600N 11450E	201 202	< 5	< 0.2	1.27	2	60	< 0.5	< 2	0.25	< 0.5	5	7	15	1.87	< 10	< 1	0.03	< 10	0.15	155
#600N 11500E	201 202	< 5	< 0.2	1.38	2	30	< 0.5	< 2	0.23	< 0.5	5	8	20	1.73	< 10	< 1	0.04	< 10	0.17	240
#600N 11550E	201 202	< 5	< 0.2	1.29	2	70	< 0.5	< 2	0.19	< 0.5	6	9	16	1.82	< 10	< 1	0.04	< 10	0.19	670
#600N 11600E	201 202	< 5	< 0.2	1.09	2	60	< 0.5	< 2	0.13	< 0.5	6	6	10	1.53	< 10	< 1	0.03	< 10	0.15	735
#600N 11650E	201 202	< 5	0.2	2.10	6	70	< 0.5	< 2	0.45	< 0.5	8	11	39	2.36	< 10	< 1	0.05	< 10	0.36	285
#600N 11700E	201 202	< 5	0.2	2.60	2	80	< 0.5	< 2	0.27	< 0.5	6	12	60	2.09	< 10	< 1	0.05	< 10	0.29	330
#600N 11750E	201 202	< 5	< 0.2	1.83	6	50	< 0.5	< 2	0.18	< 0.5	4	9	15	1.76	< 10	< 1	0.04	< 10	0.18	330
#600N 11800E	201 202	< 5	< 0.2	2.90	4	80	< 0.5	< 2	0.52	< 0.5	12	31	134	3.39	< 10	< 1	0.09	< 10	0.80	690
#600N 11850E	201 202	< 5	< 0.2	2.21	4	100	< 0.5	< 2	0.34	< 0.5	9	23	44	2.31	< 10	< 1	0.08	< 10	0.54	385
#600N 11900E	201 202	< 5	0.2	0.83	8	150	< 0.5	< 2	0.81	< 0.5	10	20	162	3.06	< 10	< 1	0.07	< 10	0.63	345
#600N 11950E	201 202	< 5	< 0.2	1.66	2	70	< 0.5	< 2	0.25	< 0.5	6	13	29	1.97	< 10	< 1	0.04	< 10	0.30	485

CERTIFICATION: *Heidi Buchler*



Chemex Labs Ltd.

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To: GEOTEC CONSULTANTS LTD.

6976 LABURNUM ST.
 VANCOUVER, BC
 V6P 5M9

Project: TAS
 Comments: ATTN: L.W. SALEKEN CC: GRANT CROOKER

Page Number: 18
 Total Pages: 6
 Certificate Date: 16-SEP-96
 Invoice No: 19631220
 P.O. Number:
 Account: LOY

CERTIFICATE OF ANALYSIS A9631220

SAMPLE	PREP CODE	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#600N 10000E	201 202	1	0.01	7	1090	6	< 2	2	32	0.08	< 10	< 10	48	< 10	114
#600N 10050E	201 202	1	0.01	14	1260	12	< 2	3	24	0.08	< 10	< 10	53	< 10	238
#600N 10100E	201 202	< 1	0.01	8	1170	10	< 2	1	23	0.08	< 10	< 10	50	< 10	100
#600N 10150E	201 202	1	0.01	7	1110	10	< 2	1	26	0.08	< 10	< 10	47	< 10	93
#600N 10200E	201 202	1	0.01	13	1430	12	< 2	3	38	0.09	< 10	< 10	66	< 10	100
#600N 10250E	201 202	1	0.01	13	640	10	< 2	3	28	0.09	< 10	< 10	82	< 10	92
#600N 10300E	201 202	1	0.01	10	400	8	< 2	4	48	0.11	< 10	< 10	77	< 10	80
#600N 10350E	201 202	1	0.01	8	620	12	< 2	4	69	0.10	< 10	< 10	74	< 10	104
#600N 10400E	201 202	2	0.01	4	720	6	< 2	3	59	0.12	< 10	< 10	64	< 10	82
#600N 10450E	201 202	2	0.02	4	1910	10	< 2	2	27	0.07	< 10	< 10	48	< 10	154
#600N 10500E	201 202	1	0.01	3	1110	8	< 2	2	39	0.08	< 10	< 10	54	< 10	160
#600N 10550E	201 202	1	0.01	6	1270	10	< 2	3	36	0.10	< 10	< 10	62	< 10	206
#600N 10600E	201 202	1	0.02	9	1360	10	< 2	2	39	0.08	< 10	< 10	51	< 10	206
#600N 10650E	201 202	1	0.01	9	480	10	< 2	2	42	0.10	< 10	< 10	60	< 10	126
#600N 10700E	201 202	< 1	0.01	5	460	8	< 2	2	34	0.08	< 10	< 10	50	< 10	128
#600N 10750E	201 202	1	< 0.01	6	620	8	< 2	2	24	0.09	< 10	< 10	66	< 10	160
#600N 10800E	201 202	1	0.01	6	480	10	< 2	1	22	0.08	< 10	< 10	52	< 10	140
#600N 10850E	201 202	< 1	0.01	6	1490	8	< 2	1	35	0.06	< 10	< 10	40	< 10	134
#600N 10900E	201 202	1	0.01	7	1850	8	< 2	1	24	0.07	< 10	< 10	48	< 10	152
#600N 10950E	201 202	1	0.01	7	1350</										



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TO: GEOTEC CONSULTANTS LTD.
6976 LABURNUM ST.
VANCOUVER, BC
V6P 5M9

Total Pages: 6
Certificate Date: 16-SEP-96
Invoice No.: A9631220
P.O. Number:
Account: LOY

Project: TAS
Comments: ATTN:L.W.SALEKEN CC:GRANT CROOKER

CERTIFICATE OF ANALYSIS A9631220

SAMPLE	PREP CODE	Au ppb	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Pb	Ga	Hg	K %	La	Mg	Mn	
		FA/AA	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	
#600M 12000E	201 202	< 5	0.2	2.87	2	90	< 0.5	< 2	0.33	< 0.5	11	27	173	3.03	< 10	< 1	0.03	< 10	0.72	875
#600M 12050E	201 202	55	< 0.2	2.08	4	70	< 0.5	< 2	0.20	< 0.5	6	9	22	1.86	< 10	< 1	0.03	< 10	0.20	560
#600M 12100E	201 202	< 5	0.2	1.87	4	50	< 0.5	< 2	0.20	< 0.5	6	9	21	1.94	< 10	< 1	0.03	< 10	0.20	325
#700M 10025E	201 202	< 5	0.2	1.81	4	70	< 0.5	< 2	0.27	0.5	8	9	29	2.14	< 10	< 1	0.04	< 10	0.26	380
#700M 10075E	201 202	< 5	0.4	1.16	6	70	< 0.5	< 2	0.84	1.0	7	8	42	1.84	< 10	< 1	0.04	< 10	0.32	420
#700M 10125E	201 202	< 5	0.2	1.47	2	60	< 0.5	< 2	0.32	0.5	7	8	23	2.08	< 10	< 1	0.04	< 10	0.23	500
#700M 10175E	201 202	< 5	0.2	2.08	2	70	< 0.5	< 2	0.32	0.5	8	10	24	2.13	< 10	< 1	0.03	< 10	0.20	615
#700M 10225E	201 202	< 5	0.6	2.22	4	70	< 0.5	< 2	0.29	< 0.5	9	13	42	2.48	< 10	< 1	0.04	< 10	0.31	585
#700M 10275E	201 202	< 5	0.8	2.13	6	60	< 0.5	< 2	0.28	0.5	8	12	22	2.16	< 10	< 1	0.04	< 10	0.26	460
#700M 10325E	201 202	< 5	0.8	2.09	2	60	< 0.5	< 2	0.73	< 0.5	7	9	28	1.97	< 10	< 1	0.04	< 10	0.30	245
#700M 10375E	201 202	< 5	0.8	1.83	8	90	< 0.5	< 2	1.58	1.0	8	11	82	2.29	< 10	< 1	0.10	< 10	0.41	625
#700M 10425E	201 202	< 5	< 0.2	1.38	8	30	< 0.5	< 2	1.06	0.5	10	10	55	2.36	< 10	< 1	0.08	< 10	0.55	575
#700M 10475E	201 202	< 5	0.2	1.66	6	40	< 0.5	< 2	0.71	0.5	8	10	38	3.06	< 10	< 1	0.06	< 10	0.36	240
#700M 10525E	201 202	< 5	0.2	1.58	< 2	40	< 0.5	< 2	0.79	0.5	8	9	44	2.34	< 10	< 1	0.09	< 10	0.44	335
#700M 10575E	201 202	< 5	0.2	1.84	6	90	< 0.5	< 2	0.41	0.5	9	10	31	2.24	< 10	< 1	0.04	< 10	0.36	610
#700M 10625E	201 202	< 5	< 0.2	1.60	8	70	< 0.5	< 2	0.28	0.5	7	7	19	1.90	< 10	< 1	0.04	< 10	0.19	405
#700M 10675E	201 202	< 5	< 0.2	1.64	8	90	< 0.5	< 2	0.27	0.5	8	8	31	2.16	< 10	< 1	0.07	< 10	0.28	710
#700M 10725E	201 202	< 5	< 0.2	1.56	2	90	< 0.5	< 2	0.28	0.5	8	8	25	2.19	< 10	< 1	0.06	< 10	0.29	725
#700M 10775E	201 202	< 5	< 0.2	1.57	16	70	< 0.5	< 2	0.35	0.5	8	7	43	2.49	< 10	< 1	0.04	< 10	0.28	450
#700M 10825E	201 202	< 5	< 0.2	1.77	12	130	< 0.5	< 2	0.32	< 0.5	8	7	33	2.01	< 10	< 1	0.05	< 10	0.21	860
#700M 10875E	201 202	< 5	< 0.2	1.80	8	80	< 0.5	< 2	0.38	0.5	9	7	33	2.22	< 10	< 1	0.05	< 10	0.23	650
#700M 10925E	201 202	< 5	< 0.2	1.96	10	60	< 0.5	< 2	0.28	< 0.5	8	8	22	2.11	< 10	< 1	0.04	< 10	0.20	965
#700M 10975E	201 202	< 5	0.2	1.93	10	70	< 0.5	< 2	0.32	< 0.5	9	8	41	2.24	< 10	< 1	0.04	< 10	0.23	895
#700M 11025E	201 202	< 5	0.2	2.15	4	60	< 0.5	< 2	0.37	< 0.5	7	8	48	2.12	< 10	< 1	0.04	< 10	0.25	200
#700M 11075E	201 202	< 5	0.2	1.89	8	50	< 0.5	< 2	0.20	< 0.5	8	8	24	2.03	< 10	< 1	0.04	< 10	0.18	170
#700M 11125E	201 202	< 5	< 0.2	1.13	2	50	< 0.5	< 2	0.31	< 0.5	4	7	27	1.30	< 10	< 1	0.07	< 10	0.25	185
#700M 11175E	201 202	< 5	< 0.2	0.84	< 2	20	< 0.5	< 2	0.15	< 0.5	3	5	12	1.03	< 10	< 1	0.01	< 10	0.11	95
#700M 11225E	201 202	< 5	< 0.2	1.16	8	40	< 0.5	< 2	0.26	< 0.5	6	7	47	1.70	< 10	< 1	0.04	< 10	0.26	320
#700M 11275E	201 202	< 5	< 0.2	1.99	6	60	< 0.5	< 2	0.12	< 0.5	6	7	24	1.75	< 10	< 1	0.03	< 10	0.16	525
#700M 11325E	201 202	< 5	0.2	1.68	10	60	< 0.5	< 2	0.11	< 0.5	6	6	22	1.72	< 10	< 1	0.03	< 10	0.13	660
#700M 11375E	201 202	< 5	0.2	1.99	< 2	60	< 0.5	< 2	0.21	< 0.5	7	7	43	1.99	< 10	< 1	0.03	< 10	0.26	425
#700M 11425E	201 202	< 5	0.2	1.49	4	40	< 0.5	< 2	0.15	< 0.5	5	6	12	1.83	< 10	< 1	0.03	< 10	0.12	190
#700M 11475E	201 202	< 5	< 0.2	1.25	6	60	< 0.5	< 2	0.35	< 0.5	6	10	26	1.98	< 10	< 1	0.08	< 10	0.23	295
#700M 11525E	201 202	< 5	< 0.2	1.97	2	60	< 0.5	< 2	0.47	< 0.5	8	14	48	2.47	< 10	< 1	0.07	< 10	0.37	310
#700M 11575E	201 202	< 5	< 0.2	1.47	2	60	< 0.5	< 2	0.31	< 0.5	7	10	27	2.11	< 10	< 1	0.05	< 10	0.21	180
#700M 11625E	201 202	< 5	0.2	1.68	8	80	< 0.5	< 2	0.33	< 0.5	7	10	19	2.02	< 10	< 1	0.06	< 10	0.24	485
#700M 11675E	201 202	< 5	0.2	1.58	< 2	70	< 0.5	< 2	0.16	< 0.5	7	12	14	1.84	< 10	< 1	0.04	< 10	0.30	133
#700M 11725E	201 202	< 5	0.2	2.31	< 2	70	< 0.5	< 2	0.41	< 0.5	8	14	66	2.10	< 10	< 1	0.06	< 10	0.34	800
#700M 11775E	201 202	< 5	< 0.2	2.29	< 2	130	< 0.5	< 2	0.65	< 0.5	9	21	56	2.35	< 10	< 1	0.09	< 10	0.50	485
#700M 11825E	201 202	< 5	< 0.2	2.05	< 2	120	< 0.5	< 2	0.32	< 0.5	8	15	24	2.05	< 10	< 1	0.05	< 10	0.32	1275

CERTIFICATION: *[Signature]*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

TO: GEOTEC CONSULTANTS LTD.
6976 LABURNUM ST.
VANCOUVER, BC
V6P 5M9

Page Number: 2 B
Total Pages: 6
Certificate Date: 16-SEP-96
Invoice No.: A9631220
P.O. Number:
Account: LOY

Project: TAS
Comments: ATTN:L.W.SALEKEN CC:GRANT CROOKER

CERTIFICATE OF ANALYSIS A9631220

SAMPLE	PREP CODE	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
#600M 12000E	201 202	< 1	0.01	17	1110	14	< 2	4	27	0.15	< 10	< 10	93	< 10	80
#600M 12050E	201 202	< 1	0.01	5	1200	6	< 2	1	18	0.10	< 10	< 10	51	< 10	60
#600M 12100E	201 202	< 1	0.01	5	1130	6	< 2	1	18	0.10	< 10	< 10	56	< 10	60
#700M 10025E	201 202	2	0.01	7	1600	8	< 2	3	26	0.09	< 10	< 10	56	< 10	110
#700M 10075E	201 202	1	< 0.01	6	1020	10	< 2	3	62	0.09	< 10	< 10	57	< 10	106
#700M 10125E	201 202	1	0.01	7	830	14	< 2	2	34	0.09	< 10	< 10	59	< 10	104
#700M 10175E	201 202	1	0.01	8	1510	10	< 2	2	33	0.11	< 10	< 10	61	< 10	104
#700M 10225E	201 202	1	0.01	10	1240	10	< 2	3	28	0.12	< 10	< 10	70	< 10	92
#700M 10275E	201 202	< 1	0.02	10	1670	8	< 2	3	26	0.10	< 10	< 10	60	< 10	110
#700M 10325E	201 202	< 1	0.04	6	360	6	< 2	3	49	0.12	< 10	< 10	49	< 10	46
#700M 10375E	201 202	1	0.03	9	1240	12	< 2	4	91	0.09	< 10	< 10	63	< 10	130
#700M 10425E	201 202	1	< 0.01	5	1100	8	< 2	5	83	0.11	< 10	< 10	89	< 10	160
#700M 10475E	201 202	1	< 0.01	4	590	8	< 2	4	68	0.13	< 10	< 10	78	< 10	238
#700M 10525E	201 202	< 1	< 0.01	4	480	10	< 2	4	74	0.15	< 10	< 10	81	< 10	148
#700M 10575E	201 202	1	0.01	9	1270	12	< 2	3	40	0.10	< 10	< 10	66	< 10	234
#700M 10625E	201 202	1	0.01	8	810	6	< 2	2	27	0.09	< 10	< 10	55	< 10	138
#700M 10675E	201 202	< 1	0.01	5	1250	6	< 2	3	26	0.08	< 10	< 10	55	< 10	216
#700M 10725E	201 202	< 1	0.01	9	760	12	< 2	1	28	0.09	< 10	< 10	56	< 10	282
#700M 10775E	201 202	< 1	< 0.01	8	930	10	< 2	3	37	0.11	< 10	< 10	67	< 10	132
#700M 10825E	201 202	< 1	0.01	10	830	6	< 2	2	35	0.09	< 10	< 10	52	< 10	140
#700M 10875E															



Chemex Labs Ltd.

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To: GEOTEC CONSULTANTS LTD.
6978 LABURNUM ST.
VANCOUVER, BC
V6P 5M9

Page Number 3 A
Total Pages 6
Certificate Date 16 SEP 95
Invoice No. 19631220
P.O. Number
Account LOY

Project: TAS
Comments: ATTN:L.W. SALEKEN CC:GRANT CROOKER

CERTIFICATE OF ANALYSIS A9631220

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ce %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
7700N 11875E	201 202	95	0.2	2.55	4	80	< 0.5	< 2	0.38	< 0.5	11	21	202	2.80	< 10	1	0.06	< 10	0.44	415
7700N 11925E	201 202	< 5	0.2	2.34	6	100	< 0.5	< 2	0.41	< 0.5	10	22	44	2.55	< 10	< 1	0.05	< 10	0.53	390
7700N 11975E	201 202	< 5	0.2	2.37	< 2	70	< 0.5	< 2	0.21	< 0.5	7	15	31	2.32	< 10	< 1	0.03	< 10	0.31	290
7700N 12025E	201 202	< 5	0.2	2.46	10	80	< 0.5	< 2	0.28	< 0.5	9	18	53	2.44	< 10	1	0.03	< 10	0.49	400
7700N 12075E	201 202	< 5	0.4	2.64	4	70	< 0.5	< 2	0.23	< 0.5	8	14	73	2.70	< 10	< 1	0.04	< 10	0.48	210
8800N 10000E	201 202	80	0.4	1.97	4	60	< 0.5	< 2	0.73	0.5	8	9	24	2.18	< 10	< 1	0.04	< 10	0.21	445
8800N 10050E	201 202	< 5	0.4	2.10	2	50	< 0.5	< 2	0.96	< 0.5	10	12	130	1.47	< 10	< 1	0.08	< 10	0.44	360
8800N 10100E	201 202	< 5	0.4	2.10	2	50	< 0.5	< 2	0.54	< 0.5	10	11	52	2.65	< 10	1	0.07	< 10	0.43	260
8800N 10150E	201 202	< 5	0.4	2.62	2	50	< 0.5	< 2	0.82	0.5	11	15	94	2.80	< 10	< 1	0.05	< 10	0.40	265
8800N 10200E	201 202	< 5	0.2	1.68	4	90	< 0.5	< 2	0.40	< 0.5	9	17	34	2.29	< 10	< 2	0.05	< 10	0.24	495
8800N 10250E	201 202	< 5	0.2	1.43	< 2	110	< 0.5	< 2	0.46	0.5	8	11	28	2.05	< 10	< 1	0.01	< 10	0.24	815
8800N 10300E	201 202	< 5	0.8	1.66	2	60	< 0.5	< 2	0.96	< 0.5	6	7	24	1.90	< 10	< 1	0.01	< 10	0.22	315
8800N 10350E	201 202	< 5	0.4	1.79	6	60	< 0.5	< 2	1.38	0.5	13	15	96	2.88	< 10	< 1	0.14	< 10	0.44	935
8800N 10400E	201 202	< 5	0.4	1.79	< 2	90	< 0.5	< 2	0.55	1.0	8	12	44	2.18	< 10	< 1	0.04	< 10	0.28	285
8800N 10450E	201 202	< 5	0.2	1.78	2	90	< 0.5	< 2	0.38	0.5	7	9	31	1.93	< 10	< 1	0.01	< 10	0.17	430
8800N 10500E	201 202	< 5	0.4	1.78	< 2	80	< 0.5	< 2	0.37	0.5	7	10	37	2.03	< 10	< 1	0.04	< 10	0.22	240
8800N 10550E	201 202	< 5	< 0.2	1.76	8	50	< 0.5	< 2	0.26	0.5	5	7	16	1.73	< 10	< 1	0.04	< 10	0.14	445
8800N 10600E	201 202	< 5	< 0.2	1.46	6	70	< 0.5	< 2	0.18	1.5	5	7	10	1.67	< 10	< 1	0.04	< 10	0.14	500
8800N 10650E	201 202	< 5	0.6	2.24	6	100	< 0.5	< 2	0.30	1.5	7	9	33	2.13	< 10	< 1	0.06	< 10	0.27	675
8800N 10700E	201 202	< 5	0.2	2.16	8	60	< 0.5	< 2	0.53	< 0.5	9	10	79	2.56	< 10	1	0.05	< 10	0.43	285
8800N 10750E	201 202	< 5	0.2	1.30	4	80	< 0.5	< 2	0.24	< 0.5	5	8	17	1.80	< 10	< 1	0.04	< 10	0.17	765
8800N 10800E	201 202	< 5	< 0.2	1.98	16	130	< 0.5	< 2	0.32	< 0.5	8	8	27	2.20	< 10	< 1	0.04	< 10	0.19	1740
8800N 10850E	201 202	< 5	0.2	2.10	18	100	< 0.5	< 2	0.40	< 0.5	10	9	43	2.51	< 10	< 1	0.05	< 10	0.27	1035
8800N 10900E	201 202	< 5	0.2	1.68	12	70	< 0.5	< 2	0.40	0.5	10	8	39	2.51	< 10	< 1	0.04	< 10	0.27	1015
8800N 10950E	201 202	< 5	0.2	1.90	12	80	< 0.5	< 2	0.29	< 0.5	10	8	42	2.60	< 10	< 1	0.03	< 10	0.22	855
8800N 11000E	201 202	< 5	0.2	1.83	6	80	< 0.5	< 2	0.28	0.5	10	8	33	2.10	< 10	< 1	0.04	< 10	0.20	580
8800N 11050E	201 202	< 5	< 0.2	2.00	6	50	< 0.5	< 2	0.76	< 0.5	10	8	48	2.73	< 10	< 1	0.04	< 10	0.56	545
8800N 11100E	201 202	< 5	0.2	2.03	2	60	< 0.5	< 2	0.28	0.5	8	10	39	2.22	< 10	< 1	0.05	< 10	0.24	300
8800N 11150E	201 202	< 5	< 0.2	1.10	2	50	< 0.5	< 2	0.52	< 0.5	8	8	38	2.05	< 10	< 1	0.05	< 10	0.26	620
8800N 11200E	201 202	< 5	< 0.2	1.39	< 2	50	< 0.5	< 2	0.36	< 0.5	6	10	35	2.26	< 10	< 1	0.05	< 10	0.23	375
8800N 11250E	201 202	< 5	< 0.2	1.79	6	40	< 0.5	< 2	0.21	< 0.5	8	9	19	1.94	< 10	< 1	0.04	< 10	0.14	690
8800N 11300E	201 202	< 5	< 0.2	1.51	8	60	< 0.5	< 2	0.19	< 0.5	7	9	20	1.89	< 10	< 1	0.03	< 10	0.15	345
8800N 11350E	201 202	< 5	0.2	1.85	2	50	< 0.5	< 2	0.16	< 0.5	5	7	14	1.79	< 10	< 1	0.03	< 10	0.11	565
8800N 11400E	201 202	< 5	0.2	1.79	4	50	< 0.5	< 2	0.34	< 0.5	4	11	25	2.35	< 10	< 1	0.03	< 10	0.22	250
8800N 11450E	201 202	< 5	0.2	2.60	2	100	< 0.5	< 2	0.78	< 0.5	4	12	127	2.31	< 10	< 1	0.05	< 10	0.31	785
8800N 11500E	201 202	< 5	< 0.2	1.72	2	80	< 0.5	< 2	0.40	< 0.5	7	12	34	2.14	< 10	< 1	0.05	< 10	0.27	375
8800N 11550E	201 202	< 5	< 0.2	1.94	< 2	80	< 0.5	< 2	0.18	< 0.5	5	8	9	1.63	< 10	< 1	0.03	< 10	0.10	175
8800N 11600E	201 202	< 5	0.2	1.58	4	80	< 0.5	< 2	0.39	< 0.5	8	11	16	2.09	< 10	< 1	0.05	< 10	0.23	380
8800N 11650E	201 202	< 5	0.2	1.70	< 2	60	< 0.5	< 2	0.17	< 0.5	5	10	9	1.93	< 10	< 1	0.03	< 10	0.15	380
8800N 11700E	201 202	< 5	< 0.2	1.90	2	90	< 0.5	< 2	0.48	< 0.5	8	15	26	1.98	< 10	< 1	0.04	< 10	0.41	570

CERTIFICATION: *David Beckler*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: GEOTEC CONSULTANTS LTD.
6978 LABURNUM ST.
VANCOUVER, BC
V6P 5M9

Page Number 3 B
Total Pages 6
Certificate Date 16 SEP 95
Invoice No. 19631220
P.O. Number
Account LOY

Project: TAS
Comments: ATTN:L.W. SALEKEN CC:GRANT CROOKER

CERTIFICATE OF ANALYSIS A9631220

SAMPLE	PREP CODE	Mo ppm	Nb %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
7700N 11875E	201 202	< 1	0.01	13	1250	6	< 2	4	31	0.14	< 10	< 10	86	< 10	108
7700N 11925E	201 202	< 1	< 0.01	12	580	6	< 2	3	18	0.15	< 10	< 10	85	< 10	72
7700N 11975E	201 202	< 1	0.01	8	1390	10	< 2	3	18	0.12	< 10	< 10	87	< 10	86
7700N 12025E	201 202	< 1	0.01	9	1390	10	< 2	3	24	0.12	< 10	< 10	77	< 10	86
7700N 12075E	201 202	< 1	0.01	10	1210	20	< 2	3	21	0.13	< 10	< 10	87	< 10	98
8800N 10000E	201 202	< 1	0.02	7	940	10	< 2	3	42	0.09	< 10	< 10	85	< 10	132
8800N 10050E	201 202	< 1	0.01	7	490	16	< 2	3	48	0.11	< 10	< 10	80	< 10	109
8800N 10100E	201 202	< 1	0.02	8	810	8	< 2	3	54	0.13	< 10	< 10	76	< 10	116
8800N 10150E	201 202	< 1	0.01	9	450	10	< 2	5	56	0.15	< 10	< 10	87	< 10	84
8800N 10200E	201 202	< 1	0.02	8	1460	10	< 2	3	36	0.10	< 10	< 10	67	< 10	100
8800N 10250E	201 202	1	0.01	7	1460	10	< 2	3	46	0.10	< 10	< 10	62	< 10	116
8800N 10300E	201 202	< 1	0.03	4	1160	9	< 2	3	48	0.10	< 10	< 10	68	< 10	132
8800N 10350E	201 202	< 1	0.01	7	1480	14	< 2	3	44	0.09	< 10	< 10	62	< 10	228
8800N 10400E	201 202	1	0.01	6	1710	8	< 2	3	24	0.08	< 10	< 10	47	< 10	172
8800N 10450E	201 202	1	0.01	7	1890	6	< 2	3	24	0.08	< 10	< 10	47	< 10	172
8800N 10500E	201 202	< 1	0.02	8	1030	8	< 2	3	35	0.10	< 10	< 10	88	< 10	176
8800N 10550E	201 202	< 1	0.01	9	1210	12	< 2	3	22	0.07	< 10	< 10	90	< 10	153
8800N 10600E	201 202	< 1	0.02	5	1840	4	< 2	1	18	0.07	< 10	< 10	44	< 10	238
8800N 10650E	201 202	< 1	0.01	9	1350	8	< 2	3	30	0.11	< 10	< 10	56	< 10	342
8800N 10700E	201 202	1	0.01	8	870	12	< 2	4	54	0.13	< 10	< 10	81	< 10	314
8800N 10750E	201 202	< 1	0.03	7	1330	6	< 2	3	25	0.09	< 10	< 10	49	< 10	116
8800N 10800E	201 202	< 1	0.01</												



Chemex Labs Ltd.

Analytical Chemists - Geochemists - Registered Assayers
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 VANCOUVER, BC
 V6P 5M9

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Project: TAS
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CERTIFICATE OF ANALYSIS A9631220

SAMPLE	PREP CODE	Au	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	
		ppb FA+AA	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
#9000 11750E	201 202	< 5	0.2	3.11	< 3	70	< 0.5	< 2	0.37	< 0.5	8	19	56	2.31	< 10	< 1	0.04	< 10	0.44	190
#9000 11800E	201 202	< 5	0.2	1.77	6	60	< 0.5	< 2	0.19	< 0.5	6	10	24	1.84	< 10	< 1	0.04	< 10	0.20	520
#9000 11850E	201 202	< 5	0.2	1.62	7	60	< 0.5	< 2	0.13	< 0.5	5	9	16	1.73	< 10	< 2	0.03	< 10	0.19	500
#9000 11900E	201 202	< 5	0.2	2.14	6	70	< 0.5	< 2	0.21	< 0.5	7	11	34	2.05	< 10	< 1	0.03	< 10	0.23	525
#9000 11950E	201 202	< 5	0.2	2.36	4	50	< 0.5	< 2	0.22	< 0.5	8	21	54	2.34	< 10	< 1	0.03	< 10	0.50	195
#9000 12000E	201 202	< 5	0.2	1.86	6	60	< 0.5	< 2	0.20	< 0.5	7	16	36	2.22	< 10	< 1	0.03	< 10	0.36	275
#9000 12050E	201 202	< 5	0.2	2.33	4	50	< 0.5	< 2	0.28	< 0.5	8	17	50	2.40	< 10	< 1	0.04	< 10	0.44	395
#9000 12100E	201 202	105	0.2	3.14	6	70	< 0.5	< 2	0.33	< 0.5	8	17	128	2.51	< 10	< 1	0.05	< 10	0.48	250
#9000 10025N	201 202	< 5	0.2	1.50	< 2	120	< 0.5	< 2	0.52	0.5	9	11	39	2.00	< 10	< 1	0.05	< 10	0.27	815
#9000 10075N	201 202	< 5	0.2	2.24	2	90	< 0.5	< 2	0.57	0.5	9	14	47	2.22	< 10	< 1	0.09	< 10	0.41	540
#9000 10125N	201 202	< 5	0.2	1.88	4	170	< 0.5	< 2	0.40	1.5	11	11	32	2.59	< 10	< 1	0.06	< 10	0.20	1465
#9000 10175N	201 202	45	0.2	1.46	6	100	< 0.5	< 2	0.60	0.5	8	13	19	2.11	< 10	< 1	0.08	< 10	0.26	885
#9000 10225N	201 202	< 5	0.4	1.68	4	80	< 0.5	< 2	0.40	< 0.5	8	10	36	2.10	< 10	< 1	0.06	< 10	0.28	520
#9000 10275N	201 202	< 5	0.4	1.94	2	60	< 0.5	< 2	0.59	0.5	10	10	50	2.39	< 10	< 1	0.07	< 10	0.36	415
#9000 10325N	201 202	< 5	0.8	1.53	10	30	< 0.5	< 2	1.12	1.0	12	12	134	2.37	< 10	< 1	0.09	< 10	0.43	645
#9000 10375N	201 202	< 5	0.8	2.24	22	70	< 0.5	< 2	0.44	0.5	8	12	75	2.23	< 10	< 2	0.04	< 10	0.29	400
#9000 10425N	201 202	< 5	1.2	1.57	< 2	40	< 0.5	< 2	0.20	0.5	5	7	32	1.73	< 10	< 1	0.05	< 10	0.17	245
#9000 10475N	201 202	< 5	0.2	1.17	2	70	< 0.5	< 2	0.23	0.5	7	8	23	1.87	< 10	< 1	0.06	< 10	0.19	250
#9000 10525N	201 202	< 5	0.2	1.20	2	80	< 0.5	< 2	0.27	< 0.5	6	9	25	1.96	< 10	< 1	0.05	< 10	0.23	480
#9000 10575N	201 202	< 5	0.6	2.05	2	60	< 0.5	< 2	0.20	< 0.5	7	9	119	2.21	< 10	< 1	0.03	< 10	0.22	410
#9000 10625N	201 202	< 5	0.2	1.67	24	30	0.5	< 2	0.48	0.5	9	13	74	4.02	< 10	< 1	0.07	< 10	0.38	430
#9000 10675N	201 202	< 5	0.2	1.69	10	70	< 0.5	< 2	0.25	0.5	7	7	18	2.04	< 10	< 1	0.03	< 10	0.21	875
#9000 10725N	201 202	< 5	0.2	2.13	10	70	< 0.5	< 2	0.39	1.0	10	9	39	2.53	< 10	< 1	0.03	< 10	0.27	735
#9000 10775N	201 202	< 5	0.2	2.36	20	70	0.5	< 2	0.57	< 0.5	15	11	127	4.09	< 10	< 1	0.07	< 10	0.69	475
#9000 10825N	201 202	< 5	0.2	2.04	10	80	< 0.5	< 2	0.28	< 0.5	12	10	38	2.52	< 10	< 1	0.04	< 10	0.31	1385
#9000 10875N	201 202	< 5	0.2	1.92	14	80	< 0.5	< 2	0.36	0.5	10	8	43	2.24	< 10	< 1	0.04	< 10	0.29	695
#9000 10925N	201 202	< 5	0.2	1.83	6	80	< 0.5	< 2	0.39	1.3	8	8	25	2.06	< 10	< 1	0.04	< 10	0.23	1005
#9000 10975N	201 202	< 5	0.2	1.63	6	40	< 0.5	< 2	0.37	< 0.5	7	9	29	2.06	< 10	< 1	0.04	< 10	0.24	785
#9000 11025N	201 202	< 5	0.2	2.21	8	60	< 0.5	< 2	0.30	< 0.5	7	10	46	2.47	< 10	< 1	0.04	< 10	0.27	155
#9000 11075N	201 202	< 5	0.2	1.87	6	50	< 0.5	< 2	0.46	< 0.5	10	11	73	2.39	< 10	< 1	0.05	< 10	0.36	515
#9000 11125N	201 202	< 5	0.2	1.88	8	60	0.5	< 2	0.44	< 0.5	9	11	61	2.54	< 10	< 1	0.05	< 10	0.37	475
#9000 11175N	201 202	< 5	0.2	1.58	6	60	< 0.5	< 2	0.37	0.5	9	8	39	2.20	< 10	< 1	0.03	< 10	0.24	665
#9000 11225N	201 202	< 5	0.2	2.82	14	80	1.0	< 2	0.28	< 0.5	9	15	100	2.67	< 10	< 1	0.06	< 10	0.34	1385
#9000 11275N	201 202	< 5	0.2	1.82	3	60	< 0.5	< 2	0.18	< 0.5	6	7	22	1.71	< 10	< 1	0.03	< 10	0.11	235
#9000 11325N	201 202	< 5	0.2	1.84	< 2	60	< 0.5	< 2	0.32	< 0.5	7	11	34	1.89	< 10	< 1	0.05	< 10	0.23	280
#9000 11375N	201 202	< 5	0.2	2.24	2	80	< 0.5	< 2	0.20	< 0.5	10	9	37	2.08	< 10	< 1	0.03	< 10	0.19	520
#9000 11425N	201 202	< 5	0.2	1.56	8	50	< 0.5	< 2	0.23	< 0.5	6	9	17	2.04	< 10	< 1	0.05	< 10	0.17	570
#9000 11475N	201 202	< 5	0.2	1.80	6	60	< 0.5	< 2	1.05	< 0.5	10	12	108	2.64	< 10	< 1	0.10	< 10	0.59	495
#9000 11525N	201 202	< 5	0.2	1.71	6	60	< 0.5	< 2	0.44	< 0.5	8	12	31	2.31	< 10	< 1	0.05	< 10	0.29	355
#9000 11575N	201 202	< 5	0.2	2.19	2	60	< 0.5	< 2	0.59	< 0.5	9	17	119	2.50	< 10	< 1	0.04	< 10	0.38	440

CERTIFICATION: *[Signature]*



Chemex Labs Ltd.

Analytical Chemists - Geochemists - Registered Assayers
 212 Brooksbank Ave., North Vancouver
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To: GEOTEC CONSULTANTS LTD.
 8978 LABURNUM ST.
 VANCOUVER, BC
 V6P 5M9

Page Number: 4 R
 Total Pages: 5
 Certificate Date: 16-SEP-98
 Invoice No: 19631220
 P.O. Number:
 Account: LOY

Project: TAS
 Comments: ATTN:L.W.SALEKEN CC:GRANT CROOKER

CERTIFICATE OF ANALYSIS A9631220

SAMPLE	PREP CODE	Mo	Nb	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
#9000 11750E	201 202	< 1	0.01	10	140	8	< 2	3	33	0.13	< 10	< 10	69	< 10	82
#9000 11800E	201 202	< 1	0.02	6	1400	6	< 2	1	16	0.09	< 10	< 10	50	< 10	64
#9000 11850E	201 202	< 1	0.01	5	1580	6	< 2	1	10	0.09	< 10	< 10	46	< 10	70
#9000 11900E	201 202	< 1	0.02	6	1220	6	< 2	1	16	0.11	< 10	< 10	57	< 10	56
#9000 11950E	201 202	< 1	< 0.01	12	1020	6	< 2	2	21	0.12	< 10	< 10	64	< 10	96
#9000 12000E	201 202	< 1	< 0.01	8	1140	6	< 2	1	17	0.09	< 10	< 10	70	< 10	60
#9000 12050E	201 202	< 1	< 0.01	8	1100	6	< 2	3	25	0.12	< 10	< 10	79	< 10	82
#9000 12100E	201 202	< 1	< 0.01	10	1060	8	< 2	3	29	0.12	< 10	< 10	79	< 10	86
#9000 10075N	201 202	< 1	0.01	7	190	8	< 2	2	54	0.12	< 10	< 10	65	< 10	100
#9000 10075N	201 202	< 1	< 0.01	8	190	8	< 2	4	58	0.16	< 10	< 10	96	< 10	94
#9000 10125N	201 202	< 1	0.03	8	960	8	< 2	3	36	0.11	< 10	< 10	69	< 10	192
#9000 10175N	201 202	< 1	0.01	7	180	10	< 2	3	54	0.13	< 10	< 10	63	< 10	156
#9000 10225N	201 202	< 1	0.01	7	1650	6	< 2	3	40	0.09	< 10	< 10	57	< 10	119
#9000 10275N	201 202	< 1	0.01	7	1290	8	< 2	3	48	0.11	< 10	< 10	68	< 10	182
#9000 10325N	201 202	< 1	0.01	6	900	10	< 2	3	70	0.10	< 10	< 10	90	< 10	238
#9000 10375N	201 202	< 1	0.01	7	1450	8	< 2	3	39	0.09	< 10	< 10	55	< 10	204
#9000 10425N	201 202	< 1	0.01	8	1110	8	< 2	1	17	0.07	< 10	< 10	39	< 10	123
#9000 10475N	201 202	< 1	< 0.01	5	870	6	< 2	1	25	0.07	< 10	< 10	49	< 10	126
#9000 10525N	201 202	< 1	< 0.01	5	970	6	< 2	1	25	0.06	< 10	< 10	45	< 10	66
#9000 10575N	201 202	< 1	0.01	6	1100	16	< 2	3	19	0.09	<				



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 6978 LABURNUM ST
 VANCOUVER, BC
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Page Number: 6
 Total Pages: 6
 Certificate Date: 16-SEP-96
 Invoice No: 19631220
 P.O. Number:
 Account: LOY

Project: TAS
 Comments: ATTN:L.W. SALEKEN CC:GRANT CROOKER

CERTIFICATE OF ANALYSIS A9631220

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
8900W 11625W	201 202	< 5	0.4	2.41	8	80	< 0.5	< 2	0.27	< 0.5	8	17	189	3.42	< 10	< 1	0.05	< 10	0.17	270
8900W 11675W	201 202	< 5	0.2	1.10	2	50	< 0.5	< 2	0.28	< 0.5	6	14	36	1.78	< 10	< 1	0.05	< 10	0.23	270
8900W 11725W	201 202	< 5	0.8	1.33	< 2	40	< 0.5	< 2	0.17	< 0.5	5	9	23	1.66	< 10	< 1	0.03	< 10	0.16	145
8900W 11775W	201 202	< 5	0.2	0.97	< 2	30	< 0.5	< 2	0.15	< 0.5	8	8	13	1.59	< 10	< 1	0.03	< 10	0.14	130
8900W 11825W	201 202	< 5	< 0.2	1.96	2	40	< 0.5	< 2	0.14	< 0.5	8	16	44	2.19	< 10	< 1	0.05	< 10	0.40	415
8900W 11875W	201 202	< 5	0.2	1.39	< 2	70	< 0.5	< 2	0.30	< 0.5	7	14	39	1.85	< 10	< 1	0.04	< 10	0.16	485
8900W 11925W	201 202	< 5	0.2	2.41	2	70	< 0.5	< 2	0.26	< 0.5	8	15	153	2.17	< 10	< 1	0.04	< 10	0.36	540
8900W 11975W	201 202	< 5	0.2	2.30	2	60	< 0.5	< 2	0.21	< 0.5	8	11	43	2.12	< 10	< 1	0.04	< 10	0.26	495
8900W 12025W	201 202	< 5	< 0.2	1.89	4	60	< 0.5	< 2	0.16	< 0.5	6	8	91	1.84	< 10	< 1	0.03	< 10	0.18	195
8900W 12075W	201 202	< 5	0.2	2.35	4	50	< 0.5	< 2	0.20	< 0.5	7	13	64	2.07	< 10	1	0.04	< 10	0.27	195
9200W 10000E	201 202	< 5	0.2	2.23	< 2	90	< 0.5	< 2	0.33	1.1	6	10	39	1.80	< 10	< 1	0.05	< 10	0.18	210
9200W 10050E	201 202	< 5	0.2	2.29	8	90	< 0.5	< 2	0.33	0.5	8	12	49	2.30	< 10	< 1	0.06	< 10	0.31	450
9200W 10100E	201 202	< 5	0.2	2.58	3	100	< 0.5	< 2	0.74	< 0.5	13	20	95	3.97	< 10	1	0.08	< 10	0.71	615
9200W 10150E	201 202	< 5	0.4	1.26	4	70	< 0.5	< 2	0.41	< 0.5	7	9	37	1.88	< 10	< 1	0.05	< 10	0.18	460
9200W 10200E	201 202	< 5	0.2	1.99	8	80	< 0.5	< 2	0.33	< 0.5	10	11	48	2.14	< 10	< 1	0.05	< 10	0.27	715
9200W 10250E	201 202	< 5	0.4	1.77	2	50	< 0.5	< 2	0.40	< 0.5	8	12	38	2.29	< 10	< 1	0.05	< 10	0.22	185
9200W 10300E	201 202	< 5	0.2	1.75	< 2	80	< 0.5	< 2	0.33	< 0.5	8	13	39	2.13	< 10	< 1	0.04	< 10	0.37	395
9200W 10350E	201 202	< 5	0.2	2.09	6	60	< 0.5	< 2	0.24	< 0.5	7	9	27	1.97	< 10	1	0.04	< 10	0.14	205
9200W 10400E	201 202	< 5	< 0.2	1.28	6	40	< 0.5	< 2	0.58	< 0.5	7	14	50	3.10	< 10	< 1	0.06	< 10	0.31	215
9200W 10450E	201 202	< 5	< 0.2	1.15	< 2	50	< 0.5	< 2	0.23	< 0.5	6	8	19	1.78	< 10	< 1	0.04	< 10	0.17	230
9200W 10500E	201 202	< 5	< 0.2	1.33	6	50	< 0.5	< 2	0.80	< 0.5	11	14	97	2.73	< 10	< 1	0.13	< 10	0.59	460
9200W 10550E	201 202	< 5	< 0.2	1.14	6	50	< 0.5	< 2	0.77	< 0.5	9	16	79	2.83	< 10	1	0.07	< 10	0.42	460
9200W 10600E	201 202	< 5	0.2	1.63	6	40	< 0.5	< 2	0.43	< 0.5	7	10	49	2.15	< 10	< 1	0.07	< 10	0.30	300
9200W 10650E	201 202	< 5	0.2	1.73	8	50	< 0.5	< 2	0.24	0.5	5	8	23	1.91	< 10	< 1	0.03	< 10	0.18	240
9200W 10700E	201 202	< 5	0.2	2.05	6	50	< 0.5	< 2	0.33	< 0.5	6	10	34	2.14	< 10	< 1	0.05	< 10	0.31	740
9200W 10750E	201 202	< 5	1.0	2.78	6	90	< 0.5	< 2	0.84	1.5	13	15	252	3.11	< 10	< 1	0.09	< 10	0.54	435
9200W 10800E	201 202	< 5	0.2	2.01	3	80	< 0.5	< 2	0.83	0.5	10	13	121	2.59	< 10	< 1	0.07	< 10	0.50	630
9200W 10850E	201 202	< 5	< 0.2	1.45	3	40	< 0.5	< 2	0.46	< 0.5	7	12	87	2.39	< 10	< 1	0.06	< 10	0.31	240
9200W 10900E	201 202	< 5	< 0.2	0.95	4	40	< 0.5	< 2	0.42	< 0.5	6	9	39	1.95	< 10	< 1	0.06	< 10	0.22	720
9200W 10950E	201 202	< 5	< 0.2	1.19	6	50	< 0.5	< 2	0.34	< 0.5	7	8	46	2.05	< 10	< 1	0.06	< 10	0.25	195
9200W 11000E	201 202	< 5	0.2	1.44	2	80	< 0.5	< 2	0.30	< 0.5	8	9	42	2.00	< 10	< 1	0.05	< 10	0.22	260
9200W 11050E	201 202	< 5	0.2	1.84	4	100	< 0.5	< 2	0.39	< 0.5	8	9	44	2.26	< 10	< 1	0.06	< 10	0.33	350
9200W 11100E	201 202	< 5	0.2	1.27	< 2	40	< 0.5	< 2	0.56	< 0.5	7	11	98	2.25	< 10	< 1	0.05	< 10	0.32	295
9200W 11150E	201 202	< 5	0.2	1.95	2	180	< 0.5	< 2	0.43	< 0.5	9	11	51	2.31	< 10	< 1	0.07	< 10	0.35	375
9200W 11200E	201 202	< 5	0.2	1.10	2	90	< 0.5	< 2	0.40	< 0.5	5	7	18	1.70	< 10	< 1	0.04	< 10	0.14	565
9200W 11250E	201 202	< 5	< 0.2	1.05	< 2	40	< 0.5	< 2	0.35	< 0.5	6	8	32	2.10	< 10	< 1	0.04	< 10	0.25	450
9200W 11300E	201 202	< 5	< 0.2	1.41	2	50	< 0.5	< 2	0.17	< 0.5	5	7	14	1.94	< 10	< 1	0.02	< 10	0.16	410
9200W 11350E	201 202	< 5	0.2	1.25	< 2	50	< 0.5	< 2	0.32	< 0.5	7	10	33	2.22	< 10	< 1	0.04	< 10	0.24	290
9200W 11400E	201 202	< 5	< 0.2	1.55	2	40	< 0.5	< 2	0.30	< 0.5	7	10	42	2.04	< 10	< 1	0.04	< 10	0.24	225
9200W 11450E	201 202	< 5	0.2	1.44	< 2	50	< 0.5	< 2	0.41	0.5	7	10	35	2.18	< 10	1	0.05	< 10	0.24	205

CERTIFICATION: Handwritten Signature



Chemex Labs Ltd.

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To: GEOTEC CONSULTANTS LTD.
 6978 LABURNUM ST.
 VANCOUVER, BC
 V6P 5M6

Page Number: 5 B
 Total Pages: 6
 Certificate Date: 16-SEP-96
 Invoice No: 19631220
 P.O. Number:
 Account: LOY

Project: TAS
 Comments: ATTN:L.W. SALEKEN CC:GRANT CROOKER

CERTIFICATE OF ANALYSIS A9631220

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Tl %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
8900W 11625W	201 202	< 1	0.03	15	980	6	< 2	3	25	0.11	< 10	< 10	63	< 10	86
8900W 11675W	201 202	< 1	0.02	7	980	6	< 2	1	23	0.16	< 10	< 10	52	< 10	62
8900W 11725W	201 202	< 1	0.02	5	1450	8	< 2	1	15	0.09	< 10	< 10	65	< 10	74
8900W 11775W	201 202	< 1	0.01	3	820	3	< 2	1	12	0.09	< 10	< 10	64	< 10	48
8900W 11825W	201 202	< 1	0.01	9	1200	8	< 2	2	27	0.11	< 10	< 10	62	< 10	80
8900W 11875W	201 202	< 1	0.01	7	1420	6	< 2	1	35	0.08	< 10	< 10	51	< 10	72
8900W 11925W	201 202	< 1	0.01	10	780	8	< 2	2	21	0.11	< 10	< 10	60	< 10	148
8900W 11975W	201 202	< 1	0.01	6	2060	6	< 2	1	19	0.10	< 10	< 10	57	< 10	96
8900W 12025W	201 202	< 1	0.02	5	980	6	< 2	1	13	0.09	< 10	< 10	51	< 10	50
8900W 12075W	201 202	< 1	0.01	7	1230	8	< 2	1	17	0.10	< 10	< 10	61	< 10	66
9200W 10000E	201 202	1	0.03	9	870	8	< 2	3	30	0.10	< 10	< 10	44	< 10	400
9200W 10050E	201 202	1	0.02	9	1500	8	< 2	1	32	0.11	< 10	< 10	64	< 10	206
9200W 10100E	201 202	3	0.01	15	860	8	< 2	6	43	0.17	< 10	< 10	95	< 10	164
9200W 10150E	201 202	1	0.02	6	790	4	< 2	1	33	0.09	< 10	< 10	52	< 10	90
9200W 10200E	201 202	< 1	0.01	8	1410	14	< 2	3	33	0.10	< 10	< 10	63	< 10	116
9200W 10250E	201 202	< 1	0.01	9	1420	6	< 2	3	43	0.10	< 10	< 10	49	< 10	90
9200W 10300E	201 202	< 1	0.01	9	1500	6	< 2	3	37	0.09	< 10	< 10	62	< 10	64
9200W 10350E	201 202	< 1	0.02	8	2120	8	< 2	1	28	0.10	< 10	< 10	53	< 10	68
9200W 10400E	201 202	1	0.01	6	900	6	< 2	3	49	0.10	< 10	< 10	73	< 10	52
9200W 10450E	201 202	< 1	0.01	4	1420	6	< 2	1	22	0.08	< 10	< 10	52	< 10	70
9200W 10500E	201 202	< 1	< 0.01	6	1250	8	< 2	5	47	0.08	< 10				



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To: GEOTEC CONSULTANTS LTD.
 6976 LABURNUM ST.
 VANCOUVER, BC
 V6P 5M9

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 Invoice No. 19631220
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 Account LOY

Project: TAS
 Comments: ATTN:L.W. SALEKEN CC:GRANT CROOKER

CERTIFICATE OF ANALYSIS A9631220

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Pb %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
9200W 11500E	201 202	< 5 < 0.2	1.50	2	40 < 0.5	< 2	0.40 < 0.5	0	0.31 < 0.5	0	4	63	2.10 < 10	< 1	0.05 < 10	0.25	320			
9200W 11500E	201 202	< 5 < 0.2	1.32	2	70 < 0.5	< 2	0.31 < 0.5	0	0.41 < 0.5	0	4	39	1.81 < 10	< 1	0.08 < 10	0.24	760			
9200W 11600E	201 202	< 5 < 0.2	1.76	2	60 < 0.5	< 2	0.41 < 0.5	0	0.39 < 0.5	0	1	55	1.99 < 10	< 1	0.04 < 10	0.33	330			
9200W 11650E	201 202	< 5 < 0.2	1.42	2	50 < 0.5	< 2	0.39 < 0.5	0	0.39 < 0.5	0	1	34	1.63 < 10	< 1	0.07 < 10	0.36	575			
9200W 11700E	201 202	< 5 < 0.2	1.18	2	80 < 0.5	< 2	0.30 < 0.5	7	0.30 < 0.5	7	2	27	1.49 < 10	< 1	0.08 < 10	0.36	445			
9200W 11750E	201 202	< 5 < 0.2	0.77	< 2	30 < 0.5	< 2	0.29 < 0.5	6	0.29 < 0.5	6	4	29	1.71 < 10	< 1	0.04 < 10	0.23	205			
9200W 11800E	201 202	< 5 < 0.2	0.94	2	30 < 0.5	< 2	0.23 < 0.5	6	0.23 < 0.5	6	4	21	1.75 < 10	< 1	0.04 < 10	0.16	180			
9200W 11850E	201 202	< 5 < 0.2	1.13	< 2	30 < 0.5	< 2	0.29 < 0.5	7	0.29 < 0.5	7	4	42	1.98 < 10	< 1	0.04 < 10	0.27	200			
9200W 11900E	201 202	< 5 < 0.2	0.89	< 2	30 < 0.5	< 2	0.36 < 0.5	6	0.36 < 0.5	6	4	23	1.80 < 10	< 1	0.04 < 10	0.20	155			
9200W 11950E	201 202	< 5 < 0.2	1.07	4	30 < 0.5	< 2	0.37 < 0.5	6	0.37 < 0.5	6	4	19	1.88 < 10	< 1	0.04 < 10	0.20	180			
9200W 12000E	201 202	< 5 < 0.2	1.34	6	50 < 0.5	< 2	0.64 < 0.5	6	0.64 < 0.5	6	12	53	2.12 < 10	< 1	0.05 < 10	0.39	220			
9200W 12050E	201 202	< 5 < 0.2	1.53	2	50 < 0.5	< 2	0.67 < 0.5	6	0.67 < 0.5	6	8	19	1.66 < 10	< 1	0.03 < 10	0.32	180			
9200W 12100E	201 202	< 5 < 0.2	1.33	6	40 < 0.5	< 2	0.67 < 0.5	7	0.67 < 0.5	7	11	36	2.55 < 10	< 1	0.04 < 10	0.38	235			

CERTIFICATION: *Grant Crooker*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
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To: GEOTEC CONSULTANTS LTD.
 6976 LABURNUM ST.
 VANCOUVER, BC
 V6P 5M9

Page Number 6-B
 Total Pages 6
 Certificate Date 16-SEP-96
 Invoice No. 19631220
 P.O. Number
 Account LOY

Project: TAS
 Comments: ATTN:L.W. SALEKEN CC:GRANT CROOKER

CERTIFICATE OF ANALYSIS A9631220

SAMPLE	PREP CODE	Mo ppm	Nb %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
9200W 11900E	201 202	< 1 < 0.01	6	820	5	< 2	3	51	0.10 < 10	< 10	46	< 10	102		
9200W 11900E	201 202	< 1 < 0.01	7	710	2	< 2	1	37	0.10 < 10	< 10	49	< 10	130		
9200W 11600E	201 202	< 1 < 0.01	7	560	8	< 2	3	47	0.13 < 10	< 10	58	< 10	122		
9200W 11650E	201 202	< 1 < 0.01	6	770	9	< 2	2	47	0.11 < 10	< 10	53	< 10	162		
9200W 11700E	201 202	< 1 < 0.01	6	540	4	< 2	1	31	0.08 < 10	< 10	38	< 10	118		
9200W 11750E	201 202	< 1 < 0.01	4	710	4	< 2	1	28	0.06 < 10	< 10	52	< 10	66		
9200W 11800E	201 202	< 1 < 0.01	5	990	2	< 2	1	21	0.05 < 10	< 10	50	< 10	52		
9200W 11850E	201 202	< 1 < 0.01	5	740	4	< 2	3	27	0.07 < 10	< 10	61	< 10	74		
9200W 11900E	201 202	< 1 < 0.01	4	810	4	< 2	3	35	0.06 < 10	< 10	56	< 10	42		
9200W 11950E	201 202	< 1 < 0.01	5	1020	6	< 2	3	38	0.07 < 10	< 10	53	< 10	68		
9200W 12000E	201 202	< 1 < 0.01	6	220	8	< 2	4	51	0.14 < 10	< 10	62	< 10	64		
9200W 12050E	201 202	< 1 < 0.01	4	170	6	< 2	3	52	0.14 < 10	< 10	60	< 10	36		
9200W 12100E	201 202	< 1 < 0.01	5	820	8	< 2	3	51	0.13 < 10	< 10	103	< 10	50		

CERTIFICATION: *Grant Crooker*



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To: GEOTEC CONSULTANTS LTD.

8978 LABURNUM ST.
VANCOUVER, BC
V6P 5M9

Project: TAS
Comments: ATTN:L.W.SALEKEN CC:GRANT CROOKER

Page Number: 6
Certificate Date: 18-SEP-04
Invoice No.: 19631222
P.O. Number:
Account: LOY

CERTIFICATE OF ANALYSIS A9631222

SAMPLE	PREP CODE	Au ppb Fl+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
9300 10025E	201 202	< 5	0.2	1.88	6	100	< 0.5	< 2	0.37	< 0.5	8	11	33	2.15	< 10	< 1	0.05	< 10	0.23	300
9300 10075E	201 202	< 5	0.2	1.45	< 2	50	< 0.5	< 2	0.30	< 0.5	7	9	14	2.14	< 10	< 1	0.03	< 10	0.19	330
9300 10125E	201 202	190	0.2	1.77	8	70	< 0.5	< 2	0.42	< 0.5	7	11	26	2.01	< 10	< 1	0.06	< 10	0.18	270
9300 10175E	201 202	< 5	0.2	1.59	2	50	< 0.5	< 2	0.39	< 0.5	7	10	32	2.10	< 10	< 1	0.06	< 10	0.21	215
9300 10225E	201 202	< 5	0.2	1.60	4	50	< 0.5	< 2	0.32	< 0.5	7	10	37	2.03	< 10	< 1	0.04	< 10	0.20	180
9300 10275E	201 202	< 5	0.2	1.90	6	60	< 0.5	< 2	0.24	< 0.5	8	9	63	2.05	< 10	< 1	0.04	< 10	0.22	355
9300 10325E	201 202	< 5	0.8	2.22	2	90	< 0.5	< 2	0.39	< 0.5	10	10	108	2.41	< 10	< 1	0.04	< 10	0.24	475
9300 10375E	201 202	< 5	0.2	1.59	4	60	< 0.5	< 2	0.32	1.5	7	10	27	2.25	< 10	< 1	0.04	< 10	0.24	185
9300 10425E	201 202	< 5	0.2	1.40	2	50	< 0.5	< 2	0.40	< 0.5	7	10	41	2.07	< 10	< 1	0.04	< 10	0.34	198
9300 10475E	201 202	< 5	0.2	2.06	6	60	< 0.5	< 2	1.07	< 0.5	11	14	242	2.99	< 10	< 1	0.10	10	0.44	675
9300 10525E	201 202	< 5	< 0.2	1.38	6	70	< 0.5	< 2	0.41	< 0.5	6	8	20	1.88	< 10	< 1	0.06	< 10	0.23	345
9300 10575E	201 202	< 5	< 0.2	1.24	10	50	< 0.5	< 2	0.61	< 0.5	8	5	51	2.16	< 10	< 1	0.09	< 10	0.17	470
9300 10625E	201 202	< 5	< 0.2	1.68	< 2	90	< 0.5	< 2	0.81	< 0.5	8	9	46	2.19	< 10	< 1	0.08	< 10	0.17	430
9300 10675E	201 202	< 5	< 0.2	1.26	6	60	< 0.5	< 2	0.50	< 0.5	6	7	26	1.96	< 10	< 1	0.09	< 10	0.23	660
9300 10725E	201 202	< 5	< 0.2	1.30	4	90	< 0.5	< 2	0.39	< 0.5	6	7	24	1.83	< 10	< 1	0.09	< 10	0.20	595
9300 10775E	201 202	< 5	0.2	1.40	2	90	< 0.5	< 2	0.39	< 0.5	6	8	28	1.94	< 10	< 1	0.08	< 10	0.23	350
9300 10825E	201 202	< 5	0.2	1.14	2	80	< 0.5	< 2	0.62	< 0.5	6	7	27	1.80	< 10	< 1	0.07	< 10	0.30	685
9300 10875E	201 202	< 5	< 0.2	1.64	2	120	< 0.5	< 2	0.49	0.8	8	11	40	2.37	< 10	< 1	0.09	< 10	0.31	420
9300 10925E	201 202	< 5	0.2	2.34	< 2	100	< 0.5	< 2	0.36	< 0.5	8	12	144	2.67	< 10	< 2	0.05	< 10	0.31	465
9300 10975E	201 202	< 5	< 0.2	1.54	8	70	< 0.5	< 2	0.39	< 0.5	6	8	39	1.91	< 10	< 1	0.06	< 10	0.21	210
9300 10975E	201 202	< 5	< 0.2	1.34	2	110	< 0.5	< 2	0.38	0.3	7	10	46	2.26	< 10	< 1	0.05	< 10	0.19	580
9300 11025E	201 202	< 5	0.2	1.31	6	90	< 0.5	< 2	0.44	1.5	6	8	29	1.87	< 10	< 1	0.07	< 10	0.21	430
9300 11075E	201 202	< 5	0.2	1.64	2	70	< 0.5	< 2	0.49	0.8	8	11	40	2.37	< 10	< 1	0.09	< 10	0.31	420
9300 11125E	201 202	< 5	< 0.2	1.49	2	110	< 0.5	< 2	0.62	< 0.5	8	9	33	2.13	< 10	< 1	0.09	< 10	0.31	465
9300 11175E	201 202	< 5	< 0.2	1.29	2	100	< 0.5	< 2	0.34	< 0.5	6	9	30	2.02	< 10	< 1	0.06	< 10	0.20	390
9300 11225E	201 202	< 5	0.2	1.13	2	80	< 0.5	< 2	0.39	< 0.5	7	9	36	2.10	< 10	< 1	0.05	< 10	0.26	520
9300 11275E	201 202	< 5	0.2	1.37	2	90	< 0.5	< 2	0.27	< 0.5	7	9	33	1.95	< 10	< 1	0.05	< 10	0.20	830
9300 11325E	201 202	< 5	< 0.2	1.51	4	50	< 0.5	< 2	0.50	< 0.5	7	10	57	2.21	< 10	< 1	0.05	< 10	0.29	260
9300 11375E	201 202	< 5	< 0.2	1.29	2	60	< 0.5	< 2	0.23	< 0.5	7	8	12	1.93	< 10	< 1	0.04	< 10	0.16	665
9300 11425E	201 202	< 5	< 0.2	1.74	< 2	70	< 0.5	< 2	0.36	0.5	8	10	31	2.14	< 10	< 1	0.05	< 10	0.28	390
9300 11475E	201 202	< 5	< 0.2	1.57	4	60	< 0.5	< 2	0.46	< 0.5	7	11	43	2.26	< 10	< 1	0.06	< 10	0.34	350
9300 11525E	201 202	< 5	< 0.2	1.64	< 2	70	< 0.5	< 2	0.49	< 0.5	8	11	44	2.23	< 10	< 1	0.06	< 10	0.16	370
9300 11575E	201 202	< 5	0.2	1.27	< 2	70	< 0.5	< 2	0.37	< 0.5	7	9	16	2.22	< 10	< 1	0.03	< 10	0.19	680
9300 11625E	201 202	< 5	< 0.2	1.64	4	50	< 0.5	< 2	0.62	< 0.5	10	10	46	2.20	< 10	< 1	0.06	< 10	0.55	560
9300 11675E	201 202	< 5	< 0.2	1.31	6	70	< 0.5	< 2	0.26	< 0.5	7	8	18	1.85	< 10	< 1	0.05	< 10	0.10	765
9300 11725E	201 202	< 5	0.4	2.09	4	50	< 0.5	< 2	0.26	< 0.5	8	10	35	2.19	< 10	< 1	0.05	< 10	0.14	610
9300 11775E	201 202	< 5	< 0.2	1.57	2	60	< 0.5	< 2	0.27	< 0.5	7	9	18	2.01	< 10	< 1	0.05	< 10	0.27	365
9300 11825E	201 202	< 5	0.2	1.73	2	70	< 0.5	< 2	0.23	< 0.5	7	9	23	2.08	< 10	< 1	0.03	< 10	0.22	390
9300 11875E	201 202	< 5	< 0.2	1.27	4	80	< 0.5	< 2	0.36	< 0.5	8	10	37	2.28	< 10	< 2	0.05	< 10	0.10	270
9300 11925E	201 202	< 5	< 0.2	1.71	6	70	< 0.5	< 2	0.42	< 0.5	8	9	27	2.14	< 10	< 1	0.04	< 10	0.17	915
9300 11975E	201 202	< 5	< 0.2	1.57	2	50	< 0.5	< 2	0.59	< 0.5	7	14	39	2.44	< 10	< 1	0.04	< 10	0.12	330

CERTIFICATION: *Grant Crooker*



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To: GEOTEC CONSULTANTS LTD.

8978 LABURNUM ST.
VANCOUVER, BC
V6P 5M9

Project: TAS
Comments: ATTN:L.W.SALEKEN CC:GRANT CROOKER

Page Number: 1-B
Total Pages: 8
Certificate Date: 18-SEP-04
Invoice No.: 19631222
P.O. Number:
Account: LOY

CERTIFICATE OF ANALYSIS A9631222

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
9300 10025E	201 202	2	0.01	8	1110	6	< 2	2	34	0.10	< 10	< 10	66	< 10	44
9300 10075E	201 202	1	0.03	5	730	6	< 2	1	30	0.12	< 10	< 10	52	< 10	100
9300 10125E	201 202	< 1	0.02	7	670	6	< 2	2	37	0.10	< 10	< 10	58	< 10	96
9300 10175E	201 202	1	0.01	6	890	6	< 2	2	34	0.10	< 10	< 10	53	< 10	76
9300 10225E	201 202	< 1	0.01	7	1100	6	< 2	2	29	0.08	< 10	< 10	54	< 10	90
9300 10275E	201 202	1	0.01	9	1400	6	< 2	2	23	0.09	< 10	< 10	53	< 10	118
9300 10325E	201 202	< 1	0.02	8	610	8	< 2	4	34	0.10	< 10	< 10	63	< 10	124
9300 10375E	201 202	1	0.01	4	3180	6	< 2	1	27	0.07	< 10	< 10	57	< 10	450
9300 10425E	201 202	< 1	0.01	6	950	6	< 2	2	40	0.08	< 10	< 10	71	< 10	52
9300 10475E	201 202	1	0.01	9	840	6	< 2	7	78	0.10	< 10	< 10	87	< 10	88
9300 10525E	201 202	1	0.01	6	1010	6	< 2	2	42	0.08	< 10	< 10	59	< 10	66
9300 10575E	201 202	< 1	< 0.01	5	570	4	< 2	2	86	0.09	< 10	< 10	74	< 10	68
9300 10625E	201 202	< 1	0.01	8	940	8	< 2	1	32	0.11	< 10	< 10	49	< 10	104
9300 10675E	201 202	1	0.01	5	610	6	< 2	1	50	0.10	< 10	< 10	45	< 10	80
9300 10725E	201 202	1	0.01	6	370	6	< 2	2	41	0.10	< 10	< 10	58	< 10	90
9300 10775E	201 202	< 1	0.01	7	640	2	< 2	2	38	0.09	< 10	< 10	62	< 10	86
9300 10825E	201 202	1	0.01	6	740	6	< 2	2	39	0.09	< 10	< 10	62	< 10	88
9300 10875E	201 202	1	0.01	9	1180	6	< 2	3	35	0.13	< 10	< 10	68	< 10	96
9300 10925E	201 202	< 1	0.02	7	1000	6	< 2	1	29	0.10	< 10	< 10	61	< 10	88
9300 10975E	201 202	< 1	0.01	8	700	6	< 2	1	37	0.10	< 10	< 10	63	< 10	106



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To: GEOTECH CONSULTANTS LTD.

6976 LABURNUM ST.
 VANCOUVER, BC
 V6P 5M9

Project: TAS
 Comments: ATTN:L.W.SALEKEN CC:GRANT CROOKER

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 Account: LOY

CERTIFICATE OF ANALYSIS A9631222

SAMPLE	PREP CODE	Au ppb FA-AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
9300N 12025K	201 202	< 5	0.2	1.94	< 2	70	< 0.5	< 2	0.36	< 0.5	7	11	21	3.11	< 10	< 1	0.05	< 10	0.25	450
9300N 12075K	201 202	< 5	< 0.2	1.65	< 2	40	< 0.5	< 2	0.42	< 0.5	9	10	19	2.23	< 10	< 1	0.05	< 10	0.39	160
9400N 10000E	201 202	< 5	0.2	2.18	< 2	80	< 0.5	< 2	0.21	< 0.5	6	9	69	3.87	< 10	< 1	0.05	< 10	0.38	215
9400N 10050E	201 202	< 5	< 0.2	1.78	< 2	90	< 0.5	< 2	0.51	< 0.5	7	16	34	2.61	< 10	< 1	0.06	< 10	0.26	205
9400N 10100E	201 202	< 5	< 0.2	1.23	< 2	40	< 0.5	< 2	0.40	< 0.5	6	12	40	2.26	< 10	< 1	0.05	< 10	0.23	175
9400N 10150E	201 202	< 5	0.6	2.43	< 2	60	< 0.5	< 2	0.62	< 0.5	16	6	176	6.07	< 10	< 1	0.11	< 10	1.31	325
9400N 10200E	201 202	< 5	0.2	1.81	< 2	40	< 0.5	< 2	0.59	< 0.5	9	10	169	2.53	< 10	< 1	0.05	< 10	0.42	280
9400N 10250E	201 202	< 5	0.2	1.72	< 2	50	< 0.5	< 2	0.16	< 0.5	6	8	39	1.75	< 10	< 1	0.04	< 10	0.15	170
9400N 10300E	201 202	< 5	< 0.2	1.80	< 2	50	< 0.5	< 2	0.18	< 0.5	6	8	39	1.85	< 10	< 1	0.05	< 10	0.16	165
9400N 10350E	201 202	75	< 0.2	1.45	< 2	30	< 0.5	< 2	1.34	< 0.5	9	11	304	2.67	< 10	< 1	0.08	< 10	0.64	355
9400N 10400E	201 202	< 5	< 0.2	1.37	< 2	60	< 0.5	< 2	0.38	< 0.5	7	8	35	1.98	< 10	< 1	0.06	< 10	0.22	530
9400N 10450E	201 202	< 5	< 0.2	1.38	< 2	40	< 0.5	< 2	0.57	< 0.5	8	7	83	2.09	< 10	< 1	0.13	< 10	0.28	605
9400N 10500E	201 202	< 5	< 0.2	1.37	< 2	40	< 0.5	< 2	0.58	< 0.5	7	8	54	2.19	< 10	< 1	0.10	< 10	0.28	230
9400N 10550E	201 202	< 5	< 0.2	1.93	< 2	70	< 0.5	< 2	0.39	< 0.5	7	9	43	2.14	< 10	< 1	0.09	< 10	0.21	200
9400N 10600E	201 202	< 5	< 0.2	1.71	< 2	60	< 0.5	< 2	0.35	< 0.5	7	9	38	2.10	< 10	< 1	0.08	< 10	0.24	305
9400N 10650E	201 202	< 5	< 0.2	1.59	< 2	90	< 0.5	< 2	0.36	< 0.5	6	9	36	2.06	< 10	< 1	0.09	< 10	0.21	235
9400N 10700E	201 202	< 5	0.2	1.58	< 2	40	< 0.5	< 2	0.40	< 0.5	6	8	34	1.87	< 10	< 1	0.08	< 10	0.20	230
9400N 10750E	201 202	< 5	< 0.2	1.72	< 2	90	< 0.5	< 2	0.36	< 0.5	7	8	34	1.76	< 10	< 1	0.13	< 10	0.21	740
9400N 10800E	201 202	< 5	< 0.2	1.40	< 2	100	< 0.5	< 2	0.44	< 0.5	6	6	46	1.85	< 10	< 1	0.09	< 10	0.20	150
9400N 10850E	201 202	< 5	< 0.2	1.39	< 2	60	< 0.5	< 2	0.39	< 0.5	6	6	46	1.85	< 10	< 1	0.09	< 10	0.20	150
9400N 10900E	201 202	< 5	< 0.2	1.11	< 2	80	< 0.5	< 2	0.20	< 0.5	5	6	34	1.56	< 10	< 1	0.07	< 10	0.17	220
9400N 10950E	201 202	< 5	< 0.2	1.34	< 2	100	< 0.5	< 2	0.26	< 0.5	6	7	42	1.79	< 10	< 1	0.06	< 10	0.21	285
9400N 11000E	201 202	< 5	< 0.2	1.53	< 2	90	< 0.5	< 2	0.29	< 0.5	6	8	49	1.78	< 10	< 1	0.06	< 10	0.20	155
9400N 11050E	201 202	< 5	0.2	1.25	< 2	190	< 0.5	< 2	0.98	< 0.5	6	6	58	1.45	< 10	< 1	0.11	< 10	0.27	670
9400N 11100E	201 202	< 5	< 0.2	1.17	< 2	80	< 0.5	< 2	0.32	< 0.5	5	6	48	1.59	< 10	< 1	0.06	< 10	0.14	155
9400N 11150E	201 202	< 5	< 0.2	1.33	< 2	90	< 0.5	< 2	0.31	< 0.5	5	7	29	1.56	< 10	< 1	0.05	< 10	0.18	385
9400N 11200E	201 202	< 5	< 0.2	1.84	< 2	100	< 0.5	< 2	0.41	< 0.5	7	11	66	2.10	< 10	< 1	0.12	< 10	0.21	310
9400N 11250E	201 202	< 5	< 0.2	1.46	< 2	80	< 0.5	< 2	0.43	< 0.5	7	10	77	2.15	< 10	< 1	0.08	< 10	0.30	985
9400N 11300E	201 202	< 5	< 0.2	0.98	< 2	100	< 0.5	< 2	0.22	< 0.5	5	6	26	1.66	< 10	< 1	0.05	< 10	0.14	905
9400N 11350E	201 202	< 5	< 0.2	1.18	< 2	60	< 0.5	< 2	0.37	< 0.5	5	8	26	1.66	< 10	< 1	0.05	< 10	0.15	225
9400N 11400E	201 202	< 5	< 0.2	1.43	< 2	70	< 0.5	< 2	0.27	< 0.5	6	7	49	1.58	< 10	< 1	0.06	< 10	0.15	180
9400N 11450E	201 202	< 5	< 0.2	1.60	< 2	50	< 0.5	< 2	0.38	< 0.5	5	8	53	1.66	< 10	< 1	0.05	< 10	0.19	180
9400N 11500E	201 202	< 5	< 0.2	1.16	< 2	50	< 0.5	< 2	0.35	< 0.5	6	8	15	1.70	< 10	< 1	0.05	< 10	0.18	350
9400N 11550E	201 202	< 5	0.2	1.94	< 2	60	< 0.5	< 2	0.49	< 0.5	18	9	69	2.61	< 10	< 1	0.08	< 10	0.70	703
9400N 11600E	201 202	< 5	0.2	1.32	< 2	80	< 0.5	< 2	0.34	< 0.5	8	9	45	1.92	< 10	< 1	0.06	< 10	0.32	690
9400N 11650E	201 202	< 5	< 0.2	1.24	< 2	70	< 0.5	< 2	0.22	< 0.5	7	8	34	1.75	< 10	< 1	0.04	< 10	0.23	750
9400N 11700E	201 202	< 5	< 0.2	1.02	< 2	40	< 0.5	< 2	0.24	< 0.5	6	7	16	1.49	< 10	< 1	0.04	< 10	0.22	710
9400N 11750E	201 202	< 5	< 0.2	1.59	< 2	70	< 0.5	< 2	0.18	< 0.5	6	7	19	1.97	< 10	< 1	0.04	< 10	0.19	645
9400N 11800E	201 202	< 5	< 0.2	1.59	< 2	60	< 0.5	< 2	0.25	< 0.5	7	8	24	1.78	< 10	< 1	0.05	< 10	0.25	370
9400N 11850E	201 202	< 5	< 0.2	1.71	< 2	50	< 0.5	< 2	0.18	< 0.5	6	7	13	1.71	< 10	< 1	0.04	< 10	0.14	400

CERTIFICATION: *[Signature]*



Chemex Labs Ltd.

Analytical Chemists - Geochemists - Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: GEOTEC CONSULTANTS LTD.

6976 LABURNUM ST.
 VANCOUVER, BC
 V6P 5M9

Project: TAS
 Comments: ATTN:L.W.SALEKEN CC:GRANT CROOKER

Page Number: 2 B
 Total Pages: 6
 Certificate Date: 18-SEP-99
 Invoice No.: 19631222
 P.O. Number:
 Account: LOY

CERTIFICATE OF ANALYSIS A9631222

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
9300N 12025K	201 202	< 1	0.02	7	1780	10	< 2	3	31	0.10	< 10	< 10	61	< 10	118
9300N 12075K	201 202	< 1	< 0.01	5	520	8	< 2	3	43	0.15	< 10	< 10	84	< 10	38
9400N 10000E	201 202	< 1	0.02	7	720	4	< 2	2	29	0.14	< 10	< 10	75	< 10	90
9400N 10050E	201 202	< 1	0.01	8	950	4	< 2	3	47	0.12	< 10	< 10	85	< 10	44
9400N 10100E	201 202	< 1	0.01	6	720	4	< 2	2	37	0.10	< 10	< 10	74	< 10	44
9400N 10150E	201 202	< 1	< 0.01	6	1240	< 2	4	4	57	0.19	< 10	< 10	109	< 10	86
9400N 10200E	201 202	< 1	< 0.01	7	140	4	< 2	3	37	0.13	< 10	< 10	58	< 10	34
9400N 10250E	201 202	< 1	0.01	7	1570	4	< 2	1	14	0.08	< 10	< 10	44	< 10	58
9400N 10300E	201 202	< 1	0.01	6	1270	4	< 2	1	17	0.09	< 10	< 10	50	< 10	52
9400N 10350E	201 202	< 1	0.01	7	1050	4	< 2	6	75	0.10	< 10	< 10	78	< 10	110
9400N 10400E	201 202	< 1	0.01	6	1400	4	< 2	2	40	0.08	< 10	< 10	62	< 10	96
9400N 10450E	201 202	< 1	< 0.01	6	870	4	< 2	3	61	0.11	< 10	< 10	70	< 10	74
9400N 10500E	201 202	< 1	0.01	6	980	4	< 2	3	59	0.12	< 10	< 10	74	< 10	88
9400N 10550E	201 202	< 1	0.02	8	830	4	< 2	3	40	0.11	< 10	< 10	60	< 10	66
9400N 10600E	201 202	< 1	0.01	8	1110	4	< 2	3	33	0.10	< 10	< 10	61	< 10	100
9400N 10650E	201 202	< 1	0.01	8	1300	4	< 2	2	34	0.09	< 10	< 10	59	< 10	68
9400N 10700E	201 202	< 1	0.01	8	1200	4	< 2	3	40	0.09	< 10	< 10	84	< 10	100
9400N 10750E	201 202	< 1	0.01	10	770	4	< 2	3	36	0.11	< 10	< 10	83	< 10	94
9400N 10800E	201 202	< 1	< 0.01	6	380	2	< 2	3	45	0.10	< 10	< 10	35	< 10	69
9400N 10850E	201 202														



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8978 LABURNUM ST.
 VANCOUVER, BC
 V6P 5M9

Total Pages : 3 B
 Certificate Date : 16-SEP-98
 Invoice No. : 19631222
 P.O. Number :
 Account : LOY

Project : TAS
 Comments : ATTN:L.W.SALEKEN CC:GRANT CROOKER

CERTIFICATE OF ANALYSIS A9631222

SAMPLE	PREP CODE	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
		ppb FA/AA	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%
9400 11900E	201 202	< 5 < 0.2	1.84	< 2	70 < 0.5	< 2	0.43	< 0.5	9	8	33	2.10	< 10	< 1	0.06	< 10	0.31	680		
9400 11950E	201 202	< 5 < 0.2	1.73	< 2	50 < 0.5	< 2	0.34	< 0.5	8	9	29	2.28	< 10	< 1	0.05	< 10	0.37	415		
9400 12000E	201 202	< 5 < 0.2	1.82	< 2	60 < 0.5	< 2	0.21	< 0.5	6	7	13	1.78	< 10	< 1	0.04	< 10	0.20	260		
9400 12050E	201 202	< 5 < 0.2	1.90	< 2	60 < 0.5	< 2	0.24	< 0.5	7	12	22	3.06	< 10	< 1	0.05	< 10	0.26	625		
9400 12100E	201 202	< 5 < 0.2	1.83	< 2	50 < 0.5	< 2	0.41	< 0.5	7	14	15	1.99	< 10	< 1	0.05	< 10	0.29	770		
9500 10025E	201 202	< 5 < 0.2	2.18	< 2	90 < 0.5	< 2	0.68	< 0.5	8	16	143	2.90	< 10	< 1	0.05	< 10	0.43	185		
9500 10075E	201 202	< 5 < 0.4	2.33	< 2	70 < 0.5	< 2	0.37	< 0.5	7	10	75	2.03	< 10	< 1	0.06	< 10	0.17	165		
9500 10125E	201 202	< 5 < 0.2	1.72	< 2	80 < 0.5	< 2	0.35	< 0.5	8	9	46	2.01	< 10	< 1	0.05	< 10	0.16	600		
9500 10175E	201 202	< 5 < 0.2	2.39	< 2	90 < 0.5	< 2	0.48	< 0.5	7	13	98	2.33	< 10	< 1	0.06	< 10	0.25	170		
9500 10225E	201 202	< 5 < 0.2	1.76	< 2	90 < 0.5	< 2	0.24	< 0.5	6	7	13	1.78	< 10	< 1	0.04	< 10	0.12	285		
9500 10275E	201 202	< 5 < 0.2	1.18	< 2	40 < 0.5	< 2	1.24	< 0.5	6	10	158	1.90	< 10	< 1	0.03	< 10	0.25	310		
9500 10325E	201 202	< 5 < 0.2	1.43	< 2	40 < 0.5	< 2	0.31	< 0.5	6	8	22	1.84	< 10	< 1	0.05	< 10	0.19	225		
9500 10375E	201 202	< 5 < 0.2	1.19	< 2	20 < 0.5	< 2	0.37	< 0.5	5	9	40	1.79	< 10	< 1	0.03	< 10	0.18	145		
9500 10425E	201 202	< 5 < 0.2	1.83	< 2	110 < 0.5	< 2	0.46	< 0.5	8	10	62	2.11	< 10	< 1	0.09	< 10	0.26	975		
9500 10475E	201 202	< 5 < 0.2	1.63	< 2	70 < 0.5	< 2	0.41	< 0.5	6	9	21	1.94	< 10	< 1	0.08	< 10	0.18	430		
9500 10525E	201 202	< 5 < 0.2	1.72	< 2	90 < 0.5	< 2	0.38	< 0.5	7	9	42	2.18	< 10	< 1	0.07	< 10	0.19	585		
9500 10575E	201 202	< 5 < 0.2	1.78	< 2	60 < 0.5	< 2	0.56	< 0.5	7	8	54	2.22	< 10	< 1	0.09	< 10	0.26	230		
9500 10625E	201 202	< 5 < 0.2	2.18	< 2	80 < 0.5	< 2	0.46	< 0.5	7	9	49	2.32	< 10	< 1	0.08	< 10	0.26	185		
9500 10675E	201 202	< 5 < 0.2	1.73	< 2	80 < 0.5	< 2	0.46	< 0.5	7	9	43	2.19	< 10	< 1	0.09	< 10	0.23	225		
9500 10725E	201 202	< 5 < 0.2	1.57	< 2	90 < 0.5	< 2	0.36	< 0.5	8	9	42	2.40	< 10	< 1	0.06	< 10	0.24	750		
9500 10775E	201 202	< 5 < 0.2	1.59	< 2	90 < 0.5	< 2	0.38	< 0.5	7	9	39	2.22	< 10	< 1	0.08	< 10	0.25	160		
9500 10825E	201 202	< 5 < 0.2	0.99	< 2	50 < 0.5	< 2	0.28	< 0.5	5	7	25	1.91	< 10	< 1	0.06	< 10	0.11	350		
9500 10875E	201 202	< 5 < 0.2	1.51	< 2	70 < 0.5	< 2	0.34	< 0.5	6	9	50	2.27	< 10	< 1	0.09	< 10	0.21	230		
9500 10925E	201 202	< 5 < 0.2	1.46	< 2	80 < 0.5	< 2	0.49	< 0.5	6	10	32	2.36	< 10	< 1	0.08	< 10	0.23	265		
9500 10975E	201 202	< 5 < 0.2	1.46	< 2	110 < 0.5	< 2	0.29	< 0.5	6	9	27	2.00	< 10	< 1	0.03	< 10	0.19	225		
9500 11028E	201 202	< 5 < 0.2	1.67	< 2	70 < 0.5	< 2	0.52	< 0.5	6	11	121	2.26	< 10	< 1	0.08	< 10	0.27	320		
9500 11078E	201 202	< 5 < 0.2	1.93	< 2	90 < 0.5	< 2	0.59	< 0.5	6	12	95	2.60	< 10	< 1	0.05	< 10	0.35	235		
9500 11128E	201 202	< 5 < 0.2	1.45	< 2	70 < 0.5	< 2	0.34	< 0.5	6	9	37	1.88	< 10	< 1	0.08	< 10	0.21	300		
9500 11178E	201 202	< 5 < 0.2	1.87	< 2	90 < 0.5	< 2	0.48	< 0.5	7	11	66	2.38	< 10	< 1	0.07	< 10	0.31	420		
9500 11228E	201 202	< 5 < 0.2	1.67	< 2	80 < 0.5	< 2	0.57	< 0.5	7	10	69	2.18	< 10	< 1	0.06	< 10	0.27	390		
9500 11278E	201 202	< 5 < 0.2	1.67	< 2	100 < 0.5	< 2	0.41	< 0.5	7	9	33	2.14	< 10	< 1	0.06	< 10	0.31	870		
9500 11328E	201 202	< 5 < 0.2	1.87	< 2	120 < 0.5	< 2	0.38	< 0.5	9	10	65	2.32	< 10	< 1	0.05	< 10	0.40	890		
9500 11378E	201 202	< 5 < 0.2	1.10	< 2	70 < 0.5	< 2	0.32	< 0.5	5	8	48	1.70	< 10	< 1	0.05	< 10	0.21	735		
9500 11428E	201 202	< 5 < 0.2	1.21	< 2	40 < 0.5	< 2	0.44	< 0.5	6	10	68	1.91	< 10	< 1	0.06	< 10	0.29	310		
9500 11478E	201 202	< 5 < 0.2	1.57	< 2	50 < 0.5	< 2	0.35	< 0.5	6	9	21	2.11	< 10	< 1	0.05	< 10	0.22	175		
9500 11528E	201 202	< 5 < 0.2	1.32	< 2	70 < 0.5	< 2	0.38	< 0.5	5	8	17	1.78	< 10	< 1	0.05	< 10	0.20	225		
9500 11578E	201 202	< 5 < 0.2	1.69	< 2	40 < 0.5	< 2	0.43	< 0.5	5	10	39	1.98	< 10	< 1	0.06	< 10	0.19	220		
9500 11628E	201 202	< 5 < 0.2	1.32	< 2	40 < 0.5	< 2	0.36	< 0.5	6	9	18	2.07	< 10	< 1	0.06	< 10	0.27	185		
9500 11678E	201 202	< 5 < 0.2	1.76	< 2	50 < 0.5	< 2	0.50	< 0.5	7	10	38	2.32	< 10	< 1	0.06	< 10	0.37	285		
9500 11728E	201 202	< 5 < 0.2	1.79	< 2	70 < 0.5	< 2	0.38	< 0.5	7	11	18	2.14	< 10	< 1	0.07	< 10	0.37	265		

CERTIFICATION: *Handwritten signature*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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To: GEOTEC CONSULTANTS LTD.
 8978 LABURNUM ST.
 VANCOUVER, BC
 V6P 5M9

Page Number : 3 B
 Total Pages : 8
 Certificate Date : 16-SEP-98
 Invoice No. : 19631222
 P.O. Number :
 Account : LOY

Project : TAS
 Comments : ATTN:L.W.SALEKEN CC:GRANT CROOKER

CERTIFICATE OF ANALYSIS A9631222

SAMPLE	PREP CODE	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
9400 11900E	201 202	< 1	0.01	7	1650	6	3	3	46	0.10	< 10	< 10	64	< 10	166
9400 11950E	201 202	< 1	0.01	6	1050	6	< 2	2	32	0.11	< 10	< 10	68	< 10	132
9400 12000E	201 202	< 1	0.02	6	1210	6	< 2	1	20	0.09	< 10	< 10	48	< 10	114
9400 12050E	201 202	< 1	0.01	7	1480	10	< 2	2	17	0.10	< 10	< 10	61	< 10	130
9400 12100E	201 202	< 1	0.01	8	1170	16	< 2	2	24	0.11	< 10	< 10	54	< 10	126
9500 10025E	201 202	< 1	0.01	9	430	6	< 2	4	64	0.18	< 10	< 10	89	< 10	56
9500 10075E	201 202	< 1	0.01	9	610	6	< 2	2	39	0.12	< 10	< 10	91	< 10	90
9500 10125E	201 202	< 1	0.01	6	1810	6	< 2	3	37	0.10	< 10	< 10	94	< 10	92
9500 10175E	201 202	< 1	0.01	9	1080	6	< 2	1	25	0.10	< 10	< 10	73	< 10	48
9500 10225E	201 202	< 1	0.01	5	2210	6	< 2	1	24	0.09	< 10	< 10	49	< 10	122
9500 10275E	201 202	< 1	0.01	6	580	9	< 2	3	68	0.10	< 10	< 10	98	< 10	74
9500 10325E	201 202	< 1	0.01	6	1020	4	< 2	2	32	0.10	< 10	< 10	88	< 10	86
9500 10375E	201 202	< 1	0.01	6	450	4	< 2	2	39	0.11	< 10	< 10	62	< 10	56
9500 10425E	201 202	< 1	0.01	7	590	6	< 2	2	48	0.12	< 10	< 10	67	< 10	124
9500 10475E	201 202	< 1	0.02	9	860	6	< 2	2	42	0.11	< 10	< 10	59	< 10	114
9500 10525E	201 202	< 1	0.02	10	1280	4	< 2	3	41	0.11	< 10	< 10	65	< 10	122
9500 10575E	201 202	< 1	0.01	7	650	4	< 2	3	60	0.12	< 10	< 10	69	< 10	76
9500 10625E	201 202	< 1	0.01	8	840	6	< 2	4	49	0.11	< 10	< 10	67	< 10	86
9500 10675E</															



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6978 LABURNUM ST.
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Project: TAS
 Comments: ATTN:L.W.SALEKEN CC:GRANT CROOKER

10001 Pages
 Certificate Date: 16-SEP-96
 Invoice No.: 19631222
 P.O. Number:
 Account: LOY

CERTIFICATE OF ANALYSIS A9631222

SAMPLE	PREP CODE	Au ppb FA-AA	Ag ppm	Al %	As ppm	Ba ppm	Bb ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Nb ppm
9500N 11775E	201 202	< 5 < 0.2	1.59	< 2	60 < 0.5	< 2	0.30	< 0.5	6	10	30	2.31	< 10	< 1	0.06	< 10	0.25	310		
9500N 11825E	201 202	< 5 < 0.2	1.58	< 2	50 < 0.5	< 2	0.42	< 0.5	7	9	22	2.16	< 10	< 1	0.05	< 10	0.20	275		
9500N 11875E	201 202	< 5 < 0.2	1.66	< 2	60 < 0.5	< 2	0.27	< 0.5	6	9	22	2.14	< 10	< 1	0.05	< 10	0.20	625		
9500N 11925E	201 202	< 5 < 0.2	1.84	< 2	60 < 0.5	< 2	0.49	< 0.5	7	11	19	2.47	< 10	< 1	0.05	< 10	0.23	376		
9500N 11975E	201 202	< 5 < 0.2	1.69	< 2	50 < 0.5	< 2	0.33	< 0.5	6	8	16	2.01	< 10	< 1	0.04	< 10	0.19	763		
9600N 12025E	201 202	< 5 < 0.2	1.26	< 2	50 < 0.5	< 2	0.33	< 0.5	5	9	8	1.89	< 10	< 1	0.04	< 10	0.20	740		
9600N 12075E	201 202	< 5 < 0.2	1.87	< 2	60 < 0.5	< 2	0.24	< 0.5	5	8	16	1.89	< 10	< 1	0.03	< 10	0.17	330		
9600N 09700E	201 202	< 5 < 0.2	1.35	< 2	50 < 0.5	< 2	0.47	< 0.5	7	13	60	2.39	< 10	< 1	0.05	< 10	0.35	435		
9600N 09750E	201 202	< 5 < 0.2	2.50	< 2	70 < 0.5	< 2	0.69	< 0.5	7	19	199	2.88	< 10	< 1	0.04	< 10	0.17	133		
9600N 09800E	201 202	< 5 < 0.2	1.33	< 2	60 < 0.5	< 2	0.33	< 0.5	6	13	43	2.23	< 10	< 1	0.04	< 10	0.17	133		
9600N 09850E	201 202	< 5 < 0.2	1.40	< 2	60 < 0.5	< 2	0.29	< 0.5	5	9	14	2.02	< 10	< 1	0.04	< 10	0.15	250		
9600N 09900E	201 202	< 5 < 0.2	1.54	< 2	60 < 0.5	< 2	0.41	< 0.5	6	14	37	2.29	< 10	< 1	0.04	< 10	0.16	220		
9600N 09950E	201 202	< 5 < 0.2	2.60	< 2	80 < 0.5	< 2	0.96	< 0.5	6	12	231	2.44	< 10	< 1	0.05	< 10	0.21	703		
9600N 10000E	201 202	< 5 < 0.2	1.72	< 2	60 < 0.5	< 2	0.51	< 0.5	6	13	31	2.36	< 10	< 1	0.04	< 10	0.22	148		
9600N 10050E	201 202	< 5 < 0.2	1.89	< 2	70 < 0.5	< 2	0.53	< 0.5	6	12	35	2.39	< 10	< 1	0.07	< 10	0.26	198		
9600N 10100E	201 202	< 5 < 0.2	1.64	< 2	60 < 0.5	< 2	0.47	< 0.5	6	12	17	2.09	< 10	< 1	0.05	< 10	0.22	143		
9600N 10150E	201 202	< 5 < 0.2	1.38	< 2	30 < 0.5	< 2	0.38	< 0.5	5	10	41	1.80	< 10	< 1	0.04	< 10	0.16	270		
9600N 10200E	201 202	< 5 < 0.2	2.46	< 2	70 < 0.5	< 2	0.46	< 0.5	6	11	109	2.20	< 10	< 1	0.04	< 10	0.24	285		
9600N 10250E	201 202	< 5 < 0.2	1.89	< 2	40 < 0.5	< 2	0.97	< 0.5	8	14	104	2.82	< 10	< 1	0.06	< 10	0.30	202		
9600N 10300E	201 202	< 5 < 1.0	3.77	< 2	60 < 1.0	< 2	0.63	< 0.5	8	15	354	3.66	< 10	< 1	0.11	< 10	0.53	470		
9600N 10350E	201 202	< 5 < 0.9	3.60	< 2	40 < 0.5	< 2	0.58	< 0.5	8	15	169	2.66	< 10	< 1	0.10	< 10	0.43	440		
9600N 10400E	201 202	< 5 < 0.2	1.59	< 2	60 < 0.5	< 2	0.46	< 0.5	11	10	76	2.94	< 10	< 1	0.10	< 10	0.31	920		
9600N 10450E	201 202	< 5 < 0.2	1.61	< 2	40 < 0.5	< 2	0.55	< 0.5	8	11	71	3.05	< 10	< 1	0.09	< 10	0.33	370		
9600N 10500E	201 202	< 5 < 0.2	1.37	< 2	30 < 0.5	< 2	0.45	< 0.5	5	9	41	2.41	< 10	< 2	0.07	< 10	0.24	202		
9600N 10550E	201 202	< 5 < 0.2	1.30	< 2	90 < 0.5	< 2	0.29	< 0.5	6	9	23	2.09	< 10	< 1	0.08	< 10	0.17	440		
9600N 10600E	201 202	< 5 < 0.2	1.13	< 2	50 < 0.5	< 2	0.36	< 0.5	5	8	30	1.94	< 10	< 1	0.06	< 10	0.17	410		
9600N 10650E	201 202	< 5 < 0.2	2.05	< 2	90 < 0.5	< 2	0.39	< 0.5	7	10	43	2.65	< 10	< 1	0.09	< 10	0.33	295		
9600N 10700E	201 202	< 5 < 0.2	1.24	< 2	80 < 0.5	< 2	0.36	< 0.5	7	10	25	2.40	< 10	< 1	0.06	< 10	0.23	575		
9600N 10750E	201 202	< 5 < 0.2	1.74	< 2	90 < 0.5	< 2	0.35	< 0.5	6	10	37	2.10	< 10	< 1	0.08	< 10	0.23	390		
9600N 10800E	201 202	< 5 < 0.2	1.51	< 2	110 < 0.5	< 2	0.48	< 0.5	7	9	41	2.09	< 10	< 1	0.07	< 10	0.23	1020		
9600N 10850E	201 202	< 5 < 0.2	1.66	< 2	100 < 0.5	< 2	0.36	< 0.5	6	9	34	2.18	< 10	< 1	0.05	< 10	0.28	345		
9600N 10900E	201 202	< 5 < 0.2	1.54	< 2	90 < 0.5	< 2	0.41	< 0.5	6	10	36	2.17	< 10	< 1	0.08	< 10	0.24	590		
9600N 10950E	201 202	< 5 < 0.2	1.55	< 2	90 < 0.5	< 2	0.71	< 0.5	8	13	105	3.18	< 10	< 1	0.10	< 10	0.55	370		
9600N 11000E	201 202	< 5 < 0.2	1.43	< 2	70 < 0.5	< 2	0.30	< 0.5	6	9	72	2.31	< 10	< 1	0.06	< 10	0.24	330		
9600N 11050E	201 202	< 5 < 0.2	1.45	< 2	80 < 0.5	< 2	0.33	< 0.5	6	9	67	2.19	< 10	< 1	0.06	< 10	0.25	430		
9600N 11100E	201 202	< 5 < 0.2	1.26	< 2	60 < 0.5	< 2	0.38	< 0.5	5	9	43	1.94	< 10	< 1	0.06	< 10	0.18	155		
9600N 11150E	201 202	< 5 < 0.8	2.33	< 2	80 < 0.5	< 2	0.50	< 0.5	7	13	174	2.37	< 10	< 1	0.08	< 10	0.57	635		
9600N 11200E	201 202	< 5 < 0.2	2.88	< 2	110 < 0.5	< 2	0.36	< 0.5	7	13	155	3.45	< 10	< 1	0.05	< 10	0.43	635		
9600N 11250E	201 202	< 5 < 0.2	2.47	< 2	2 < 110	< 0.5	< 2	0.46	< 0.5	8	12	54	2.44	< 10	< 1	0.05	< 10	0.36	805	
9600N 11300E	201 202	< 5 < 0.2	2.19	< 2	100 < 0.5	< 2	0.49	< 0.5	7	11	100	2.48	< 10	< 1	0.06	< 10	0.43	715		

CERTIFICATION: *Hank Bickler*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: GEOTEC CONSULTANTS LTD.

6978 LABURNUM ST.
 VANCOUVER, BC
 V6P 5M9

Project: TAS
 Comments: ATTN:L.W.SALEKEN CC:GRANT CROOKER

Page Number: 4-B
 Total Pages: 8
 Certificate Date: 16-SEP-96
 Invoice No.: 19631222
 P.O. Number:
 Account: LOY

CERTIFICATE OF ANALYSIS A9631222

SAMPLE	PREP CODE	Mo ppm	Ni %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
9500N 11775E	201 202	< 1 0.02	6	1420	2	< 2	1	29	0.11	< 10	< 10	69	< 10	230	
9500N 11825E	201 202	< 1 0.01	6	1430	2	< 2	2	40	0.10	< 10	< 10	70	< 10	206	
9500N 11875E	201 202	1	0.02	5	1310	4	2	2	33	0.11	< 10	< 10	69	< 10	174
9500N 11925E	201 202	1	0.01	6	1090	8	2	2	48	0.12	< 10	< 10	82	< 10	104
9500N 11975E	201 202	1	0.02	4	1210	4	2	1	31	0.11	< 10	< 10	61	< 10	112
9600N 12025E	201 202	< 1 0.01	5	670	4	< 2	1	23	0.11	< 10	< 10	57	< 10	86	
9600N 12075E	201 202	< 1 0.02	5	1470	2	< 2	2	22	0.20	< 10	< 10	55	< 10	82	
9600N 09700E	201 202	< 1 0.01	6	930	4	2	2	47	0.09	< 10	< 10	96	< 10	46	
9600N 09750E	201 202	1	0.01	9	380	6	2	6	50	0.11	< 10	< 10	49	< 10	74
9600N 09800E	201 202	1	0.01	7	1150	2	< 2	2	33	0.08	< 10	< 10	74	< 10	54
9600N 09850E	201 202	1	0.01	7	1070	2	< 2	1	29	0.08	< 10	< 10	72	< 10	38
9600N 09900E	201 202	1	0.01	7	1450	2	< 2	2	40	0.09	< 10	< 10	79	< 10	66
9600N 09950E	201 202	1	0.01	8	730	6	< 2	4	58	0.10	< 10	< 10	64	< 10	96
9600N 10000E	201 202	1	0.01	8	1220	6	2	2	52	0.12	< 10	< 10	79	< 10	80
9600N 10050E	201 202	< 1 0.01	4	770	2	2	2	31	0.12	< 10	< 10	78	< 10	36	
9600N 10100E	201 202	< 1 0.01	6	1140	2	< 2	2	47	0.11	< 10	< 10	70	< 10	34	
9600N 10150E	201 202	< 1 0.01	4	230	6	< 2	2	39	0.12	< 10	< 10	60	< 10	36	
9600N 10200E	201 202	< 1 0.03	8	910	2	< 2	2	46	0.10	< 10	< 10	54	< 10	86	
9600N 10250E	201 202	1	0.01	7	580	6	2	7	82	0.13	< 10	< 10	92	< 10	86
9600N 10300E	201 202	1	0.02	11	430	4	4	11	54	0.08	< 10	< 10	73	< 10	140
9600N 10350E	201 202	< 1 0.03	12	370	8	4	7	51	0.10	< 10	< 10	72	< 10	138	
9600N 10400E	201 202	1	0.01	9	1450	8	2	4	48	0.12	< 10	< 10	70	< 10	202



Chemex Labs Ltd.

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 PHONE: 604-964-0221 FAX: 604-964-0218

To: GEOTEC CONSULTANTS LTD.

6976 LABURNUM ST.
 VANCOUVER, BC
 V6P 5M9

Project: TAS
 Comments: ATTN:L.W.SALEKEN CC:GRANT CROOKER

Total Pages: 8
 Certificate Date: 16-SEP-06
 Invoice No.: 19631222
 P.O. Number:
 Account: LOY

CERTIFICATE OF ANALYSIS A9631222

SAMPLE	PREP CODE	Au ppb FA-AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
9600N 11350E	201 202	< 5	< 0.2	1.67	< 2	90	< 0.5	2	0.46	0.5	7	9	15	1.98	< 10	< 1	0.06	< 10	0.27	840
9600N 11400E	201 202	< 5	0.2	3.00	< 2	100	0.8	< 2	0.31	< 0.5	8	14	102	2.64	< 10	< 1	0.07	< 10	0.39	718
9600N 11450E	201 202	< 5	0.2	1.90	< 2	120	< 0.5	2	0.30	0.5	5	8	14	1.74	< 10	< 1	0.06	< 10	0.15	720
9600N 11500E	201 202	< 5	< 0.2	1.56	< 2	70	< 0.5	2	0.35	< 0.5	6	9	20	1.88	< 10	< 1	0.05	< 10	0.15	665
9600N 11550E	201 202	< 5	< 0.2	1.80	< 2	60	< 0.5	2	0.74	< 0.5	7	13	30	2.52	< 10	< 1	0.08	< 10	0.19	355
9600N 11600E	201 202	< 5	< 0.2	1.19	< 2	70	< 0.5	< 2	0.35	< 0.5	6	9	18	1.80	< 10	< 1	0.05	< 10	0.23	585
9600N 11650E	201 202	< 5	< 0.2	1.39	< 2	60	< 0.5	< 2	0.29	0.5	6	9	18	2.06	< 10	< 1	0.05	< 10	0.26	580
9600N 11700E	201 202	< 5	< 0.2	1.42	< 2	110	< 0.5	< 2	0.34	0.5	6	10	19	1.98	< 10	< 1	0.07	< 10	0.26	625
9600N 11750E	201 202	< 5	< 0.2	1.34	< 2	90	< 0.5	< 2	0.27	< 0.5	6	9	11	1.82	< 10	< 1	0.04	< 10	0.14	700
9600N 11800E	201 202	< 5	0.2	1.43	< 2	60	< 0.5	< 2	0.27	< 0.5	7	10	22	1.90	< 10	< 1	0.05	< 10	0.23	510
9600N 11850E	201 202	< 5	< 0.2	1.97	< 2	60	< 0.5	< 2	0.35	< 0.5	7	12	22	2.26	< 10	< 1	0.05	< 10	0.24	280
9600N 11900E	201 202	< 5	< 0.2	2.72	< 2	60	< 0.5	< 2	0.16	< 0.5	5	8	13	1.99	< 10	< 1	0.03	< 10	0.14	905
9600N 11950E	201 202	< 5	0.2	2.33	< 2	70	< 0.5	< 2	0.26	< 0.5	7	11	27	2.04	< 10	< 1	0.04	< 10	0.20	480
9600N 12000E	201 202	< 5	0.2	1.80	< 2	50	< 0.5	< 2	0.20	< 0.5	5	8	11	1.83	< 10	< 1	0.03	< 10	0.13	220
9600N 12050E	201 202	< 5	0.2	1.72	< 2	60	< 0.5	< 2	0.21	< 0.5	5	8	12	1.88	< 10	< 1	0.03	< 10	0.15	290
9700N 09725E	201 202	< 5	0.2	1.73	< 2	60	< 0.5	< 2	0.44	< 0.5	6	10	29	2.27	< 10	< 1	0.03	< 10	0.20	260
9700N 09725E	201 202	< 5	0.2	1.44	< 2	50	< 0.5	< 2	0.34	< 0.5	5	10	38	1.87	< 10	< 1	0.03	< 10	0.13	140
9700N 09750E	---	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
9700N 09775E	201 202	< 5	0.4	2.60	< 2	80	0.5	2	0.48	< 0.5	8	13	173	2.50	< 10	< 1	0.04	< 10	0.21	605
9700N 09825E	201 202	< 5	< 0.2	2.39	< 2	60	< 0.5	< 2	0.35	< 0.5	8	14	37	2.77	< 10	< 1	0.03	< 10	0.23	270
9700N 09875E	201 202	< 5	0.4	2.79	< 2	100	< 0.5	< 2	0.48	< 0.5	9	15	59	2.84	< 10	< 1	0.04	< 10	0.41	380
9700N 09925E	201 202	< 5	< 0.2	1.41	< 2	50	< 0.5	< 2	0.83	< 0.5	7	14	74	2.45	< 10	< 1	0.07	< 10	0.39	315
9700N 09975E	201 202	< 5	0.2	1.62	< 2	80	< 0.5	< 2	0.35	< 0.5	7	14	39	2.44	< 10	< 1	0.04	< 10	0.22	405
9700N 10025E	201 202	< 5	0.2	1.97	< 2	60	< 0.5	< 2	0.36	< 0.5	7	10	21	2.11	< 10	< 1	0.04	< 10	0.16	420
9700N 10075E	201 202	< 5	< 0.2	1.45	< 2	50	< 0.5	< 2	0.41	< 0.5	7	14	42	2.41	< 10	< 1	0.05	< 10	0.21	210
9700N 10125E	201 202	< 5	< 0.2	1.97	< 2	70	< 0.5	< 2	0.43	< 0.5	8	19	103	2.49	< 10	< 1	0.04	< 10	0.20	150
9700N 10175E	201 202	< 5	< 0.2	2.10	< 2	90	< 0.5	< 2	0.52	< 0.5	7	15	82	2.60	< 10	< 1	0.05	< 10	0.24	205
9700N 10225E	201 202	< 5	0.6	2.78	< 2	70	0.5	2	1.28	0.5	10	17	251	2.26	< 10	< 1	0.10	< 10	0.46	780
9700N 10275E	201 202	< 5	< 0.2	1.22	< 2	50	< 0.5	< 2	0.71	< 0.5	8	13	54	2.38	< 10	< 1	0.08	< 10	0.28	355
9700N 10325E	201 202	< 5	0.4	3.02	< 2	120	0.5	2	0.50	< 0.5	10	13	91	2.94	< 10	< 1	0.08	< 10	0.53	400
9700N 10375E	201 202	< 5	0.2	2.74	< 2	120	0.5	< 2	0.49	0.5	13	10	162	3.34	< 10	< 1	0.10	< 10	0.32	725
9700N 10425E	201 202	< 5	0.2	2.02	< 2	70	< 0.5	< 2	0.59	< 0.5	9	15	71	2.75	< 10	< 1	0.09	< 10	0.33	475
9700N 10475E	201 202	< 5	< 0.2	1.83	< 2	100	< 0.5	< 2	0.91	0.5	11	13	118	3.71	< 10	< 1	0.19	< 10	0.68	760
9700N 10525E	201 202	< 5	0.2	0.96	< 2	100	< 0.5	< 2	0.38	< 0.5	5	7	8	1.83	< 10	< 1	0.06	< 10	0.13	370
9700N 10575E	201 202	< 5	0.2	1.45	< 2	70	< 0.5	< 2	0.31	< 0.5	6	10	26	2.26	< 10	< 1	0.07	< 10	0.21	710
9700N 10625E	201 202	< 5	0.2	1.60	< 2	160	< 0.5	< 2	0.84	1.0	7	9	30	2.31	< 10	< 1	0.13	< 10	0.26	1060
9700N 10675E	201 202	< 5	< 0.2	2.27	< 2	160	< 0.5	< 2	0.40	< 0.5	8	11	32	2.44	< 10	< 1	0.07	< 10	0.27	825
9700N 10725E	201 202	< 5	0.2	1.92	< 2	100	< 0.5	< 2	0.31	< 0.5	9	8	48	2.41	< 10	< 1	0.11	< 10	0.28	815
9700N 10775E	201 202	< 5	0.2	1.18	< 2	100	< 0.5	< 2	0.37	< 0.5	7	8	27	2.00	< 10	< 1	0.07	< 10	0.17	1385
9700N 10825E	201 202	< 5	0.6	2.18	< 2	120	< 0.5	< 2	0.26	< 0.5	7	9	108	2.37	< 10	< 1	0.08	< 10	0.28	565

CERTIFICATION: *[Signature]*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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 British Columbia, Canada V7J 2C1
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To: GEOTEC CONSULTANTS LTD.

6976 LABURNUM ST.
 VANCOUVER, BC
 V6P 5M9

Project: TAS
 Comments: ATTN:L.W.SALEKEN CC:GRANT CROOKER

Page Number: 5 B
 Total Pages: 6
 Certificate Date: 16-SEP-06
 Invoice No.: 19631222
 P.O. Number:
 Account: LOY

CERTIFICATE OF ANALYSIS A9631222

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
9600N 11350E	201 202	< 1	0.02	6	1030	2	2	3	52	0.11	< 10	< 10	44	< 10	218
9600N 11400E	201 202	< 1	0.02	13	1580	2	2	3	93	0.13	< 10	< 10	66	< 10	278
9600N 11450E	201 202	< 1	0.03	6	2060	4	2	1	30	0.09	< 10	< 10	44	< 10	232
9600N 11500E	201 202	< 1	0.03	6	1460	4	2	1	34	0.10	< 10	< 10	33	< 10	160
9600N 11550E	201 202	< 1	0.01	7	710	6	< 2	3	69	0.14	< 10	< 10	91	< 10	264
9600N 11600E	201 202	< 1	0.01	5	950	6	< 2	2	34	0.09	< 10	< 10	61	< 10	196
9600N 11650E	201 202	< 1	0.01	6	1750	8	2	2	24	0.09	< 10	< 10	61	< 10	370
9600N 11700E	201 202	< 1	0.02	7	1600	6	2	2	32	0.09	< 10	< 10	55	< 10	390
9600N 11750E	201 202	< 1	0.01	5	1500	4	2	1	24	0.08	< 10	< 10	53	< 10	184
9600N 11800E	201 202	< 1	0.02	7	840	6	2	1	24	0.11	< 10	< 10	54	< 10	164
9600N 11850E	201 202	< 1	0.01	8	1340	8	2	2	32	0.11	< 10	< 10	66	< 10	122
9600N 11900E	201 202	< 1	0.02	5	1970	4	< 2	1	15	0.11	< 10	< 10	48	< 10	106
9600N 11950E	201 202	< 1	0.01	7	2160	4	2	2	25	0.10	< 10	< 10	60	< 10	82
9600N 12000E	201 202	< 1	0.02	4	1840	6	2	1	19	0.10	< 10	< 10	54	< 10	70
9600N 12050E	201 202	< 1	0.02	4	1310	6	2	1	19	0.10	< 10	< 10	54	< 10	70
9700N 09725E	201 202	< 1	0.01	5	1230	6	2	3	37	0.11	< 10	< 10	78	< 10	56
9700N 09725E	201 202	< 1	0.02	7	1130	4	2	2	34	0.08	< 10	< 10	59	< 10	56
9700N 09750E	---	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
9700N 09775E	201 202	< 1	0.03	11	550	12	4	4	49	0.12	< 10	< 10	60	< 10	194
9700N 09825E	201 202	< 1	0.02	8	950	6	4	3	18	0.12	< 10	< 10	93	< 10	44
9700N 09875E	201 202	< 1	0.01	9	99										



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TO: GEOTEC CONSULTANTS LTD.

6976 LABURNUM ST.
 VANCOUVER, BC
 V6P 5M9

Project: TAS
 Comments: ATTN:L.W.SALEKEN CC:GRANT CROOKER

Total Pages : 6
 Certificate Date: 16-SEP-96
 Invoice No. : 19631222
 P.O. Number :
 Account : LOY

CERTIFICATE OF ANALYSIS A9631222

SAMPLE	PREF CODE	Au	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	
		ppb FA+AA	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
9700N 10875E	201 202	< 5	< 0.2	1.62	< 2	70	< 0.5	< 2	0.18	< 0.5	5	8	22	1.77	< 10	< 1	0.05	< 10	0.15	410
9700N 10925E	201 202	< 5	< 0.2	1.76	< 2	120	< 0.5	< 2	0.35	0.5	8	8	56	2.24	< 10	< 1	0.06	< 10	0.39	795
9700N 10975E	201 202	< 5	< 0.2	1.45	< 2	80	< 0.5	< 2	0.25	< 0.5	5	8	29	1.82	< 10	< 1	0.05	< 10	0.20	515
9700N 11025E	201 202	< 5	< 0.2	2.26	< 2	100	< 0.5	< 2	0.59	< 0.5	8	14	460	2.81	< 10	< 1	0.08	< 10	0.48	365
9700N 11075E	201 202	< 5	< 0.2	1.76	< 2	80	< 0.5	< 2	0.28	< 0.5	6	8	55	2.04	< 10	< 1	0.07	< 10	0.23	390
9700N 11125E	201 202	< 5	0.4	1.84	< 2	50	< 0.5	< 2	0.32	< 0.5	5	10	104	2.06	< 10	< 1	0.05	< 10	0.21	190
9700N 11175E	201 202	< 5	< 0.2	1.44	< 2	100	< 0.5	< 2	0.49	0.5	5	9	31	1.89	< 10	< 1	0.08	< 10	0.17	795
9700N 11225E	201 202	< 5	0.6	2.19	< 2	40	0.5	< 2	0.31	0.5	7	11	127	2.38	< 10	< 1	0.07	< 10	0.43	740
9700N 11275E	201 202	< 5	0.3	1.48	< 2	80	< 0.5	< 2	0.33	< 0.5	9	9	60	2.03	< 10	< 1	0.05	< 10	0.39	730
9700N 11325E	201 202	< 5	0.2	1.95	< 2	80	< 0.5	< 2	0.34	< 0.5	8	8	55	2.12	< 10	< 1	0.06	< 10	0.34	490
9700N 11375E	201 202	< 5	< 0.2	2.43	< 2	80	< 0.5	< 2	0.44	< 0.5	9	17	71	2.82	< 10	< 2	0.07	< 10	0.39	585
9700N 11425E	201 202	< 5	0.2	2.22	< 2	70	< 0.5	< 2	0.68	< 0.5	7	11	44	2.38	< 10	< 1	0.07	< 10	0.34	300
9700N 11475E	201 202	< 5	0.3	2.07	< 2	90	< 0.5	< 2	0.29	< 0.5	7	11	33	2.33	< 10	< 1	0.06	< 10	0.29	420
9700N 11525E	201 202	< 5	< 0.2	2.87	< 2	120	0.5	< 2	0.62	0.5	10	15	79	3.26	< 10	< 1	0.09	< 10	0.55	885
9700N 11575E	201 202	< 5	< 0.2	3.71	< 2	190	0.5	< 2	0.75	0.5	12	19	190	4.23	< 10	< 1	0.13	< 10	0.74	460
9700N 11625E	201 202	< 5	0.3	1.85	< 2	70	< 0.5	< 2	0.50	< 0.5	9	13	42	2.76	< 10	< 1	0.07	< 10	0.43	760
9700N 11675E	201 202	< 5	< 0.2	1.92	< 2	90	< 0.5	< 2	0.35	< 0.5	7	10	15	2.17	< 10	< 1	0.06	< 10	0.26	700
9700N 11725E	201 202	< 5	< 0.2	1.56	< 2	110	< 0.5	< 2	0.45	0.5	7	11	16	2.23	< 10	< 1	0.07	< 10	0.24	1565
9700N 11775E	201 202	< 5	< 0.2	1.90	< 2	70	< 0.5	< 2	0.53	< 0.5	10	14	32	2.63	< 10	< 1	0.05	< 10	0.37	525
9700N 11825E	201 202	< 5	< 0.2	2.28	< 2	70	< 0.5	< 2	0.42	< 0.5	8	13	31	2.79	< 10	< 1	0.05	< 10	0.29	515
9700N 11875E	201 202	< 5	0.2	2.20	< 2	80	< 0.5	< 2	0.33	< 0.5	7	13	24	2.35	< 10	< 1	0.04	< 10	0.24	870
9700N 11925E	201 202	< 5	< 0.2	1.92	< 2	80	< 0.5	< 2	0.24	< 0.5	6	12	17	2.19	< 10	< 1	0.03	< 10	0.20	785
9700N 11975E	201 202	< 5	0.4	1.94	< 2	50	< 0.5	< 2	0.31	< 0.5	6	11	22	2.26	< 10	< 1	0.03	< 10	0.22	200
9700N 12025E	201 202	< 5	0.3	2.06	< 2	50	< 0.5	< 2	0.18	< 0.5	5	10	19	2.05	< 10	< 1	0.03	< 10	0.22	163
9700N 12075E	201 202	< 5	0.3	1.83	< 2	40	< 0.5	< 2	0.20	< 0.5	4	8	14	1.91	< 10	< 1	0.03	< 10	0.14	100

CERTIFICATION: *Hank Bickler*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
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TO: GEOTEC CONSULTANTS LTD.

6976 LABURNUM ST.
 VANCOUVER, BC
 V6P 5M9

Project: TAS
 Comments: ATTN:L.W.SALEKEN CC:GRANT CROOKER

Page Number : 6-B
 Total Pages : 6
 Certificate Date: 16-SEP-96
 Invoice No. : 19631222
 P.O. Number :
 Account : LOY

CERTIFICATE OF ANALYSIS A9631222

SAMPLE	PREF CODE	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Tl	Ti	V	W	Zn	
		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
9700N 10875E	201 202	1	0.03	7	1620	4	2	1	19	0.08	< 10	< 10	66	< 10	188
9700N 10925E	201 202	< 1	0.02	8	890	4	2	2	34	0.11	< 10	< 10	61	< 10	260
9700N 10975E	201 202	< 1	0.01	7	590	4	2	1	23	0.10	< 10	< 10	53	< 10	110
9700N 11025E	201 202	< 1	0.01	9	520	9	4	3	53	0.16	< 10	< 10	95	< 10	88
9700N 11075E	201 202	< 1	0.03	9	1100	2	2	1	26	0.12	< 10	< 10	54	< 10	182
9700N 11125E	201 202	< 1	0.03	6	860	2	2	2	29	0.11	< 10	< 10	64	< 10	70
9700N 11175E	201 202	< 1	0.03	6	1280	4	2	1	39	0.10	< 10	< 10	56	< 10	180
9700N 11225E	201 202	1	0.02	9	940	6	< 2	4	27	0.09	< 10	< 10	59	< 10	176
9700N 11275E	201 202	< 1	0.01	7	1380	6	< 2	2	34	0.08	< 10	< 10	54	< 10	182
9700N 11325E	201 202	< 1	0.01	9	1420	6	< 2	2	38	0.09	< 10	< 10	59	< 10	134
9700N 11375E	201 202	< 1	0.02	11	1150	2	2	3	46	0.14	< 10	< 10	86	< 10	198
9700N 11425E	201 202	< 1	0.03	9	580	8	4	2	47	0.15	< 10	< 10	79	< 10	130
9700N 11475E	201 202	< 1	0.03	6	2550	6	< 2	2	32	0.10	< 10	< 10	64	< 10	222
9700N 11525E	201 202	< 1	0.01	11	850	8	< 2	3	58	0.19	< 10	< 10	108	< 10	264
9700N 11575E	201 202	1	0.03	9	490	12	2	8	86	0.20	< 10	< 10	144	< 10	204
9700N 11625E	201 202	< 1	0.01	8	1960	6	2	2	43	0.13	< 10	< 10	89	< 10	276
9700N 11675E	201 202	< 1	0.01	7	1400	6	2	2	30	0.11	< 10	< 10	66	< 10	284
9700N 11725E	201 202	< 1	0.01	7	1940	6	2	1	42	0.09	< 10	< 10	63	< 10	288
9700N 11775E	201 202	< 1	0.01	7	1110	6	2	1	42	0.12	< 10	< 10	87	< 10	228
9700N 11825E	201 202	< 1	0.02	8	1500	4	4	3	38	0.13	< 10	< 10	96	< 10	108
9700N 11875E	201 202	< 1	0.02	8	1560	6	2	2	27	0.11	< 10	< 10	70	< 10	120
9700N 11925E	201 202	< 1	0.01	7	1420	6	< 2	1	21	0.10	< 10	< 10	43	< 10	144
9700N 11975E	201 202	< 1	0.02	5	1640	4	2	2	26	0.11	< 10	< 10	69	< 10	82
9700N 12025E	201 202	< 1	0.02	5	670	6	2	1	17	0.11	< 10	< 10	52	< 10	80
9700N 12075E	201 202	< 1	0.03	4	940	6	2	1	16	0.11	< 10	< 10	53	< 10	40

CERTIFICATION: *Hank Bickler*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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6976 LABURNUM ST.
VANCOUVER, BC
V6P 5M9

Project: TAS
Comments: ATTN:L.W.SALEKEN CC:GRANT CROOKER

Total Pages: 7
Certificate Date: 18-SEP-98
Invoice No.: A9631223
P.O. Number:
Account: LOY

CERTIFICATE OF ANALYSIS A9631223

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Cd %	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	
9900N 11700E	201 202	< 5	< 0.2	2.17	10	100	< 0.5	< 2	0.33	< 0.5	9	25	66	9.95	< 10	< 1	0.07	< 10	0.77	740
9900N 11700E	201 202	< 5	< 0.2	1.94	4	90	< 0.5	< 2	0.24	< 0.5	8	11	28	2.23	< 10	< 1	0.04	< 10	0.23	790
9900N 11800E	201 202	< 5	< 0.2	3.13	< 2	80	< 0.5	< 2	0.21	< 0.5	5	9	14	1.95	< 10	< 1	0.03	< 10	0.15	875
9900N 11850E	201 202	< 5	< 0.2	1.89	< 2	70	< 0.5	< 2	0.19	< 0.5	7	11	18	2.30	< 10	< 1	0.04	< 10	0.17	415
9900N 11900E	201 202	< 5	< 0.2	1.95	< 2	70	< 0.5	< 2	0.23	< 0.5	5	10	24	2.03	< 10	< 1	0.04	< 10	0.22	145
9900N 11950E	201 202	< 5	0.4	0.43	< 2	50	< 0.5	< 2	1.66	< 0.5	1	3	19	0.36	< 10	< 1	0.03	< 10	0.17	75
9900N 12000E	201 202	< 5	0.2	1.27	< 2	40	< 0.5	< 2	0.59	< 0.5	3	6	19	1.08	< 10	< 1	0.05	< 10	0.24	1290
9900N 12050E	201 202	< 5	1.2	4.33	< 2	140	1.0	< 2	1.30	< 0.5	12	15	82	2.26	< 10	< 1	0.07	< 10	0.21	1625
9900N 12100E	201 202	< 5	0.8	0.62	< 2	70	< 0.5	< 2	1.92	< 0.5	4	2	63	0.24	< 10	< 1	0.07	< 10	0.22	640
9900N 09725E	201 202	< 5	0.2	1.78	< 2	70	< 0.5	< 2	0.73	< 0.5	13	11	75	2.93	< 10	< 1	0.08	< 10	0.18	795
9900N 09775E	201 202	< 5	0.2	1.54	< 2	40	< 0.5	< 2	0.74	< 0.5	6	9	54	1.94	< 10	< 1	0.03	< 10	0.14	101
9900N 09825E	201 202	< 5	0.2	1.90	< 2	70	< 0.5	< 2	0.19	< 0.5	6	7	14	1.73	< 10	< 1	0.14	< 10	0.09	310
9900N 09875E	201 202	< 5	< 0.2	1.31	< 2	50	< 0.5	< 2	0.56	< 0.5	7	21	51	2.96	< 10	< 1	0.04	< 10	0.26	185
9900N 09925E	201 202	< 5	< 0.2	1.02	< 2	40	< 0.5	< 2	0.89	< 0.5	11	15	109	1.29	< 10	< 1	0.04	< 10	0.30	455
9900N 09975E	201 202	< 5	0.4	2.60	< 2	80	< 0.5	< 2	0.88	< 0.5	9	15	113	2.90	< 10	< 1	0.07	< 10	0.34	300
9900N 10025E	201 202	< 5	< 0.2	1.22	< 2	40	< 0.5	< 2	0.37	< 0.5	6	7	27	1.50	< 10	< 1	0.03	< 10	0.15	235
9900N 10075E	201 202	< 5	< 0.2	1.16	< 2	60	< 0.5	< 2	1.43	< 0.5	13	11	78	2.31	< 10	< 1	0.14	< 10	0.61	1070
9900N 10125E	201 202	< 5	< 0.2	1.04	< 2	50	< 0.5	< 2	0.31	< 0.5	5	9	21	1.66	< 10	< 1	0.04	< 10	0.16	195
9900N 10175E	201 202	< 5	< 0.2	1.40	< 2	50	< 0.5	< 2	0.44	< 0.5	8	10	60	3.44	< 10	< 1	0.05	< 10	0.30	310
9900N 10225E	201 202	< 5	< 0.2	1.61	< 2	60	< 0.5	< 2	0.40	< 0.5	8	13	19	2.12	< 10	< 1	0.06	< 10	0.18	225
9900N 10275E	201 202	< 5	< 0.2	1.68	< 2	110	< 0.5	< 2	0.38	< 0.5	7	7	28	1.86	< 10	< 1	0.08	< 10	0.16	810
9900N 10325E	201 202	< 5	< 0.2	2.06	< 2	80	< 0.5	< 2	0.30	< 0.5	8	9	58	2.28	< 10	< 1	0.06	< 10	0.24	415
9900N 10375E	201 202	< 5	< 0.2	1.39	< 2	90	< 0.5	< 2	0.27	< 0.5	9	7	15	1.78	< 10	< 1	0.05	< 10	0.13	445
9900N 10425E	201 202	< 5	< 0.2	1.66	< 2	100	< 0.5	< 2	0.52	< 0.5	9	11	95	2.85	< 10	< 1	0.13	< 10	0.35	465
9900N 10475E	201 202	< 5	< 0.2	2.23	< 2	100	< 0.5	< 2	0.25	< 0.5	6	8	23	2.05	< 10	< 1	0.05	< 10	0.17	985
9900N 10525E	201 202	< 5	< 0.2	1.37	< 2	50	< 0.5	< 2	0.15	< 0.5	3	5	16	1.31	< 10	< 1	0.03	< 10	0.09	525
9900N 10575E	201 202	< 5	< 0.2	1.26	< 2	70	< 0.5	< 2	0.29	< 0.5	4	5	10	1.35	< 10	< 1	0.05	< 10	0.11	1290
9900N 10625E	201 202	< 5	< 0.2	1.66	< 2	90	< 0.5	< 2	0.27	< 0.5	6	7	23	1.69	< 10	< 1	0.04	< 10	0.16	420
9900N 10675E	201 202	< 5	< 0.2	1.76	< 2	70	< 0.5	< 2	0.31	< 0.5	6	9	18	1.78	< 10	< 1	0.05	< 10	0.19	150
9900N 10725E	201 202	< 5	0.2	1.06	< 2	30	< 0.5	< 2	0.28	< 0.5	4	8	49	1.63	< 10	< 1	0.04	< 10	0.19	150
9900N 10775E	201 202	< 5	0.6	2.24	< 2	80	< 0.5	< 2	0.39	< 0.5	7	11	233	2.16	< 10	< 1	0.07	< 10	0.28	385
9900N 10825E	201 202	< 5	< 0.2	1.48	< 2	60	< 0.5	< 2	0.14	< 0.5	6	7	29	1.97	< 10	< 1	0.04	< 10	0.28	480
9900N 10875E	201 202	< 5	< 0.2	1.93	< 2	100	< 0.5	< 2	0.21	< 0.5	8	6	36	1.92	< 10	< 1	0.05	< 10	0.13	735
9900N 10925E	201 202	< 5	< 0.2	2.08	< 2	60	< 0.5	< 2	0.32	< 0.5	8	9	80	2.15	< 10	< 1	0.06	< 10	0.40	310
9900N 10975E	201 202	< 5	0.2	1.91	< 2	70	< 0.5	< 2	0.29	< 0.5	7	10	64	1.97	< 10	< 1	0.05	< 10	0.22	205
9900N 11025E	201 202	< 5	< 0.2	1.69	< 2	60	< 0.5	< 2	0.31	< 0.5	7	12	167	2.09	< 10	< 1	0.04	< 10	0.24	365
9900N 11075E	201 202	< 5	0.2	1.98	< 2	70	< 0.5	< 2	0.19	< 0.5	4	9	85	1.70	< 10	< 1	0.04	< 10	0.15	285
9900N 11125E	201 202	< 5	0.2	2.75	< 2	60	< 0.5	< 2	0.45	< 0.5	11	11	235	2.68	< 10	< 1	0.07	< 10	0.33	810
9900N 11175E	201 202	< 5	0.2	1.87	< 2	50	< 0.5	< 2	0.22	< 0.5	5	9	158	1.87	< 10	< 1	0.03	< 10	0.17	170
9900N 11225E	201 202	< 5	< 0.2	2.08	< 2	60	< 0.5	< 2	0.23	< 0.5	7	10	167	2.33	< 10	< 1	0.03	< 10	0.21	535

CERTIFICATION:



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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PHONE: 604-984-0221 FAX: 604-984-0216

To: GEOTEC CONSULTANTS LTD.

6976 LABURNUM ST.
VANCOUVER, BC
V6P 5M9

Project: TAS
Comments: ATTN:L.W.SALEKEN CC:GRANT CROOKER

Page Number: 2-B
Total Pages: 7
Certificate Date: 18-SEP-98
Invoice No.: A9631223
P.O. Number:
Account: LOY

CERTIFICATE OF ANALYSIS A9631223

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
9900N 11700E	201 202	1	0.01	8	1520	12	< 2	3	39	0.16	< 10	< 10	136	< 10	146
9900N 11700E	201 202	1	0.01	6	1400	10	< 2	2	31	0.10	< 10	< 10	75	< 10	196
9900N 11800E	201 202	< 1	0.03	5	1550	6	< 2	1	18	0.10	< 10	< 10	59	< 10	115
9900N 11850E	201 202	< 1	0.02	4	1470	6	< 2	1	27	0.10	< 10	< 10	71	< 10	192
9900N 11900E	201 202	< 1	0.02	5	1020	8	< 2	1	27	0.12	< 10	< 10	67	< 10	80
9900N 11950E	201 202	2	0.01	3	830	8	< 2	< 1	86	0.01	< 10	< 10	10	< 10	86
9900N 12000E	201 202	1	0.03	2	270	8	< 2	1	37	0.11	< 10	< 10	38	< 10	53
9900N 12050E	201 202	6	0.02	9	790	14	< 2	< 1	71	0.09	< 10	< 10	81	< 10	99
9900N 12100E	201 202	7	0.01	3	1240	2	< 2	< 1	150	0.01	< 10	< 10	30	< 10	73
9900N 09725E	201 202	< 1	0.01	6	1180	10	< 2	4	76	0.12	< 10	< 10	101	< 10	104
9900N 09775E	201 202	< 1	0.02	4	320	6	< 2	1	37	0.10	< 10	< 10	65	< 10	80
9900N 09825E	201 202	< 1	0.03	7	2340	6	< 2	1	30	0.08	< 10	< 10	46	< 10	46
9900N 09875E	201 202	1	0.01	7	540	8	< 2	4	53	0.13	< 10	< 10	108	< 10	40
9900N 09925E	201 202	< 1	0.01	6	1400	6	< 2	5	69	0.06	< 10	< 10	123	< 10	80
9900N 09975E	201 202	1	0.01	11	600	8	< 2	5	57	0.09	< 10	< 10	69	< 10	66
9900N 10025E	201 202	< 1	0.02	4	700	6	< 2	1	23	0.08	< 10	< 10	51	< 10	44
9900N 10075E	201 202	< 1	0.01	7	1550	10	< 2	2	77	0.07	< 10	< 10	60	< 10	168
9900N 10125E	201 202	< 1	0.01	5	980	4	< 2	1	28	0.06	< 10	< 10	54	< 10	28
9900N 10175E	201 202	< 1	< 0.01	6	990	6	< 2	2	42	0.09	< 10	< 10	83	< 10	64
9900N 10225E	201 202	1	0.01	5	900	8	< 2	2	37	0.10	< 10	< 1			



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19: GEOTEC CONSULTANTS LTD.
 6976 LABURNUM ST.
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 V6P 5M9
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Total Pages: 7
 Certificate Date: 16-SEP-96
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CERTIFICATE OF ANALYSIS A9631223

SAMPLE	PREP CODE	Au ppb Au-AA	Ag ppm	Al %	As ppm	Ba ppm	Bb ppm	Bi ppm	Cu %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Pb %	Ca ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
9900N 11725E	201 202	< 5	0.8	2.71	< 2	90	0.5	< 2	0.66	0.5	7	11	426	2.35	< 10	< 1	0.08	10	0.17	680
9900N 11325E	201 202	< 5	< 0.2	1.70	< 2	60	< 0.8	< 2	0.20	0.5	5	7	71	1.72	< 10	< 2	0.04	< 10	0.18	635
9900N 11375E	201 202	< 5	< 0.2	2.23	< 2	60	< 0.8	< 2	0.31	< 0.5	8	11	98	2.56	< 10	< 1	0.05	< 10	0.30	525
9900N 11425E	201 202	< 5	< 0.2	1.98	< 2	70	< 0.8	< 2	0.32	< 0.5	5	9	24	1.87	< 10	< 1	0.04	< 10	0.30	350
9900N 11475E	201 202	< 5	< 0.2	2.16	< 2	70	< 0.8	< 2	0.33	0.5	6	12	48	2.70	< 10	< 1	0.04	< 10	0.39	390
9900N 11525E	201 202	< 5	< 0.2	2.14	< 2	60	< 0.8	< 2	0.31	< 0.5	7	11	35	2.32	< 10	< 1	0.04	< 10	0.37	495
9900N 11575E	201 202	< 5	< 0.2	1.81	< 2	60	< 0.8	< 2	0.31	< 0.5	6	9	21	2.02	< 10	< 1	0.04	< 10	0.30	530
9900N 11625E	201 202	< 5	0.2	2.25	< 2	80	< 0.8	< 2	0.25	1.0	5	12	22	2.03	< 10	< 1	0.04	< 10	0.34	715
9900N 11675E	201 202	< 5	< 0.2	1.62	< 2	90	< 0.8	< 2	0.37	< 0.5	6	10	19	1.87	< 10	< 1	0.04	< 10	0.16	740
9900N 11725E	201 202	< 5	< 0.2	1.59	< 2	60	< 0.8	< 2	0.40	< 0.5	6	11	32	2.27	< 10	< 1	0.05	< 10	0.24	245
9900N 11775E	201 202	< 5	< 0.2	1.85	< 2	60	< 0.8	< 2	0.29	< 0.5	5	10	16	2.04	< 10	< 1	0.03	< 10	0.18	405
9900N 11825E	201 202	< 5	< 0.2	0.99	< 2	30	< 0.8	< 2	0.30	< 0.5	3	7	10	1.39	< 10	< 1	0.03	< 10	0.19	135
9900N 11875E	201 202	< 5	0.2	1.38	< 2	30	< 0.8	< 2	0.28	< 0.5	5	8	30	1.41	< 10	< 1	0.04	< 10	0.30	140
9900N 11925E	201 202	< 5	< 0.2	1.23	< 2	30	< 0.8	< 2	0.44	< 0.5	3	7	29	1.22	< 10	< 1	0.03	< 10	0.14	133
9900N 11975E	201 202	< 5	< 0.2	0.92	< 2	30	< 0.8	< 2	0.30	< 0.5	1	4	22	0.72	< 10	< 1	0.03	< 10	0.14	70
9900N 12025E	201 202	< 5	0.2	1.73	< 2	60	< 0.8	< 2	0.36	< 0.5	6	9	38	1.84	< 10	1	0.05	< 10	0.37	155
9900N 12075E	201 202	< 5	< 0.2	1.24	< 2	30	< 0.8	< 2	0.30	< 0.5	3	6	14	1.02	< 10	< 1	0.03	< 10	0.18	105
10500N 10025E	201 202	< 5	< 0.2	1.29	< 2	90	< 0.8	< 2	0.22	< 0.5	6	9	15	1.55	< 10	< 1	0.03	< 10	0.15	440
10500N 10075E	201 202	< 5	< 0.2	2.48	< 2	130	< 0.8	< 2	0.16	< 0.5	5	8	15	1.88	< 10	2	0.03	< 10	0.10	450
10500N 10125E	201 202	< 5	< 0.2	0.97	< 2	50	< 0.8	< 2	0.21	0.5	3	6	11	1.16	< 10	2	0.03	< 10	0.10	440
10500N 10175E	201 202	< 5	< 0.2	2.85	< 2	120	< 0.8	< 2	0.15	< 0.5	6	10	13	2.10	< 10	< 1	0.03	< 10	0.16	520
10500N 10225E	201 202	< 5	< 0.2	1.82	< 2	100	< 0.8	< 2	0.20	0.3	7	9	20	1.98	< 10	< 1	0.05	< 10	0.16	1460
10500N 10275E	201 202	< 5	< 0.2	1.73	< 2	110	< 0.8	< 2	0.40	0.8	9	9	14	2.15	< 10	< 1	0.04	< 10	0.13	485
10500N 10325E	201 202	< 5	< 0.2	1.77	< 2	100	< 0.8	< 2	0.24	0.3	6	9	17	1.86	< 10	< 1	0.04	< 10	0.13	485
10500N 10375E	201 202	< 5	< 0.2	1.91	< 2	70	< 0.8	< 2	0.37	< 0.5	7	9	12	1.91	< 10	< 1	0.05	< 10	0.16	245
10500N 10425E	201 202	< 5	< 0.2	1.77	< 2	80	< 0.8	< 2	0.27	< 0.5	7	6	6	2.18	< 10	< 1	0.03	< 10	0.19	865
10500N 10475E	201 202	< 5	< 0.2	1.43	< 2	100	< 0.8	< 2	0.19	< 0.8	6	7	9	1.62	< 10	< 1	0.03	< 10	0.12	250
10500N 10525E	201 202	< 5	0.4	3.61	< 2	90	< 0.8	< 2	0.92	< 0.5	7	11	36	2.08	< 10	< 1	0.05	< 10	0.14	1270
10500N 10575E	201 202	< 5	< 0.2	2.22	< 2	70	< 0.8	< 2	0.78	< 0.5	8	12	19	2.02	< 10	< 1	0.05	< 10	0.58	280
10500N 10625E	201 202	< 5	< 0.2	1.78	< 2	110	< 0.8	< 2	0.32	< 0.5	6	7	14	2.02	< 10	< 1	0.05	< 10	0.20	690
10500N 10675E	201 202	< 5	< 0.2	2.00	< 2	50	< 0.8	< 2	0.33	< 0.5	4	8	14	2.09	< 10	< 1	0.03	< 10	0.38	185
10500N 10725E	201 202	< 5	< 0.2	2.05	< 2	60	< 0.8	< 2	0.21	< 0.5	5	8	9	1.60	< 10	< 1	0.03	< 10	0.12	250
10500N 10775E	201 202	< 5	< 0.2	2.44	< 2	110	< 0.8	< 2	0.19	< 0.5	5	10	13	2.09	< 10	< 1	0.04	< 10	0.20	790
10500N 10825E	201 202	< 5	< 0.2	2.10	< 2	90	< 0.8	< 2	0.34	< 0.5	8	13	22	2.36	< 10	< 1	0.05	< 10	0.27	250
10500N 10875E	201 202	< 5	< 0.2	1.87	< 2	90	< 0.8	< 2	0.14	< 0.5	5	7	8	1.75	< 10	< 1	0.04	< 10	0.13	780
10500N 10925E	201 202	< 5	< 0.2	1.83	< 2	110	< 0.8	< 2	0.27	< 0.5	6	11	18	1.96	< 10	< 1	0.04	< 10	0.20	210
10500N 10975E	201 202	< 5	< 0.2	1.56	< 2	90	< 0.8	< 2	0.14	< 0.5	4	7	3	2.01	< 10	< 1	0.02	< 10	0.10	145
10500N 11025E	201 202	< 5	< 0.2	1.93	< 2	70	< 0.8	< 2	0.17	< 0.5	5	8	10	1.77	< 10	< 1	0.03	< 10	0.13	590
10500N 11075E	201 202	< 5	< 0.2	1.62	< 2	90	< 0.8	< 2	0.36	< 0.5	5	10	15	1.82	< 10	< 1	0.05	< 10	0.20	530
10500N 11125E	201 202	< 5	< 0.2	2.06	< 2	80	< 0.8	< 2	0.27	< 0.5	6	10	17	2.11	< 10	< 1	0.05	< 10	0.19	345

CERTIFICATION:



Chemex Labs Ltd.

Analytical Chemists - Geochemists - Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

19: GEOTEC CONSULTANTS LTD.
 6976 LABURNUM ST.
 VANCOUVER, BC
 V6P 5M9
 Project: TAS
 Comments: ATTN:L.W.SALEKEN CC:GRANT CROOKER

Page Number: 3-B
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 P.O. Number:
 Account: LOY

CERTIFICATE OF ANALYSIS A9631223

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
9900N 11275E	201 202	< 1	0.02	8	630	6	< 2	3	44	0.08	< 10	< 10	61	< 10	286
9900N 11325E	201 202	< 1	0.01	8	750	6	< 2	2	30	0.13	< 10	< 10	78	< 10	208
9900N 11425E	201 202	< 1	0.02	5	930	6	< 2	1	20	0.13	< 10	< 10	54	< 10	582
9900N 11475E	201 202	< 1	0.02	6	1050	6	< 2	1	31	0.13	< 10	< 10	72	< 10	534
9900N 11525E	201 202	< 1	0.01	6	1250	6	< 2	1	29	0.12	< 10	< 10	72	< 10	282
9900N 11575E	201 202	< 1	0.01	4	1030	10	< 2	1	28	0.10	< 10	< 10	68	< 10	132
9900N 11625E	201 202	< 1	0.02	7	1210	6	< 2	1	22	0.11	< 10	< 10	59	< 10	414
9900N 11675E	201 202	< 1	0.01	5	1270	4	< 2	1	23	0.09	< 10	< 10	66	< 10	76
9900N 11725E	201 202	< 1	0.01	5	870	2	< 2	2	35	0.10	< 10	< 10	87	< 10	62
9900N 11775E	201 202	< 1	0.02	5	1200	6	< 2	1	27	0.10	< 10	< 10	68	< 10	270
9900N 11825E	201 202	< 1	0.02	3	260	6	< 2	1	25	0.11	< 10	< 10	52	< 10	88
9900N 11875E	201 202	< 1	0.01	3	770	8	< 2	1	24	0.11	< 10	< 10	50	< 10	172
9900N 11925E	201 202	< 1	0.01	3	240	6	< 2	2	39	0.13	< 10	< 10	91	< 10	48
9900N 11975E	201 202	< 1	0.03	1	190	6	< 2	1	23	0.09	< 10	< 10	25	< 10	28
9900N 12025E	201 202	< 1	0.01	4	510	6	< 2	2	28	0.13	< 10	< 10	89	< 10	34
9900N 12075E	201 202	< 1	0.03	3	150	8	< 2	1	21	0.09	< 10	< 10	31	< 10	36
10500N 10025E	201 202	< 1	0.02	9	700	8	< 2	1	21	0.07	< 10	< 10	42	< 10	194
10500N 10075E	201 202	< 1	0.02	10	1560	8	< 2	1	16	0.09	< 10	< 10	44	< 10	246
10500N 10125E	201 202	< 1	0.01	3	250	10	< 2	< 1	14	0.06	< 10	< 10	32	< 10	98
10500N 10175E	201 202	< 1	0.03	8	1670	6	< 2	2	14	0.12	< 10	< 10	52	< 10	162
10500N															



Chemex Labs Ltd.

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6976 LABURNUM ST.
 VANCOUVER, BC
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Project: TAS
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Total Pages : 4B
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CERTIFICATE OF ANALYSIS A9631223

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
10500N 11225E	201 202	< 5 < 0.2	1.73	< 2	60	< 0.5	< 2	0.23	< 0.5	6	9	13	1.96	< 10	3	0.04	< 10	0.14	225	
10500N 11275E	201 202	< 5 < 0.2	1.97	< 2	80	< 0.5	< 2	0.18	< 0.5	5	9	13	1.96	< 10	< 1	0.03	< 10	0.11	180	
10500N 11325E	201 202	< 5 < 0.2	1.80	< 2	60	< 0.5	< 2	0.32	< 0.5	6	19	17	2.23	< 10	< 1	0.05	< 10	0.28	110	
10500N 11375E	201 202	< 5 < 0.2	1.36	< 2	40	< 0.5	< 2	0.30	< 0.5	4	11	21	1.63	< 10	< 1	0.03	< 10	0.21	135	
10500N 11425E	201 202	< 5 < 0.2	1.62	< 2	60	< 0.5	< 2	0.11	< 0.5	5	9	14	1.78	< 10	< 1	0.04	< 10	0.11	115	
10500N 11475E	201 202	< 5 < 0.2	0.71	< 2	30	< 0.5	< 2	0.13	< 0.5	1	5	7	0.84	< 10	< 1	0.01	< 10	0.09	50	
10500N 11525E	201 202	< 5 < 0.2	2.47	< 2	70	< 0.5	< 2	0.41	< 0.5	9	13	31	3.31	< 10	< 1	0.03	< 10	0.35	430	
10500N 11575E	201 202	< 5 < 0.2	1.46	< 2	60	< 0.5	< 2	0.57	< 0.5	8	15	33	2.84	< 10	< 1	0.06	< 10	0.37	290	
10500N 11625E	201 202	< 5 < 0.2	1.40	< 2	60	< 0.5	< 2	0.65	< 0.5	7	17	39	2.70	< 10	< 1	0.06	< 10	0.35	280	
10500N 11675E	201 202	< 5 < 0.2	1.62	< 2	60	< 0.5	< 2	0.47	< 0.5	7	12	34	2.11	< 10	< 1	0.05	< 10	0.30	275	
10500N 11725E	201 202	< 5 < 0.2	1.81	< 2	70	< 0.5	< 2	0.25	< 0.5	6	10	16	2.02	< 10	2	0.04	< 10	0.14	340	
10500N 11775E	201 202	< 5 < 0.2	3.02	< 2	80	< 0.5	< 2	0.19	< 0.5	6	10	17	2.03	< 10	< 1	0.03	< 10	0.15	255	
10500N 11825E	201 202	< 5 < 0.2	1.73	< 2	80	< 0.5	< 2	0.21	< 0.5	8	9	11	1.99	< 10	< 1	0.03	< 10	0.13	875	
10500N 11875E	201 202	< 5 < 0.2	2.14	< 2	60	< 0.5	< 2	0.26	< 0.5	6	11	22	2.16	< 10	< 1	0.04	< 10	0.15	405	
10500N 11925E	201 202	< 5 < 0.2	2.15	< 2	60	< 0.5	< 2	0.15	< 0.5	5	10	21	1.87	< 10	< 1	0.03	< 10	0.14	145	
10500N 11975E	201 202	< 5 < 0.2	1.48	< 2	60	< 0.5	< 2	0.12	< 0.5	5	8	13	1.73	< 10	2	0.03	< 10	0.11	570	
10500N 12025E	201 202	< 5 < 0.2	1.22	< 2	60	< 0.5	< 2	0.09	< 0.5	4	7	6	1.94	< 10	< 1	0.02	< 10	0.08	375	
10500N 12075E	201 202	< 5 < 0.2	2.04	< 2	60	< 0.5	< 2	0.13	< 0.5	8	8	11	1.74	< 10	< 1	0.03	< 10	0.10	555	
10700N 10025E	201 202	< 5 < 0.2	1.50	< 2	100	< 0.5	< 2	0.37	< 0.5	6	12	20	2.17	< 10	< 1	0.06	< 10	0.17	320	
10700N 10075E	201 202	< 5 < 0.2	1.40	< 2	90	< 0.5	< 2	0.39	< 0.5	13	16	51	3.22	< 10	< 1	0.08	< 10	0.27	500	
10700N 10125E	201 202	< 5 < 0.2	1.57	< 2	50	< 0.5	< 2	0.74	< 0.5	13	21	140	3.94	< 10	< 1	0.04	20	0.61	355	
10700N 10175E	201 202	< 5 < 0.2	1.41	< 2	110	< 0.5	< 2	0.27	< 0.5	3	7	8	1.87	< 10	< 1	0.04	< 10	0.09	605	
10700N 10225E	201 202	< 5 < 0.2	2.63	< 2	120	< 0.5	< 2	0.37	< 0.5	7	9	21	2.25	< 10	< 1	0.04	< 10	0.19	725	
10700N 10275E	201 202	< 5 < 0.2	1.96	< 2	80	< 0.5	< 2	0.20	< 0.5	7	9	27	1.73	< 10	< 1	0.04	< 10	0.12	1345	
10700N 10325E	201 202	< 5 < 0.2	1.89	< 2	110	< 0.5	< 2	0.25	< 0.5	7	12	12	1.83	< 10	< 1	0.06	< 10	0.14	1095	
10700N 10375E	201 202	< 5 < 0.2	1.93	< 2	90	< 0.5	< 2	0.20	< 0.5	8	10	20	2.13	< 10	< 1	0.03	< 10	0.17	810	
10700N 10425E	201 202	< 5 < 0.2	3.08	< 2	180	< 0.5	< 2	0.34	< 0.5	10	12	32	2.72	< 10	< 1	0.09	< 10	0.33	950	
10700N 10475E	201 202	< 5 < 0.2	1.60	< 2	60	< 0.5	< 2	0.37	< 0.5	6	10	25	1.95	< 10	< 1	0.05	< 10	0.16	160	
10700N 10525E	201 202	< 5 < 0.2	2.28	< 2	60	< 0.5	< 2	0.27	< 0.5	7	15	44	2.40	< 10	< 1	0.06	< 10	0.33	1095	
10700N 10575E	201 202	< 5 < 0.2	1.64	< 2	80	< 0.5	< 2	0.32	< 0.5	6	10	15	1.98	< 10	< 1	0.04	< 10	0.14	285	
10700N 10625E	201 202	< 5 < 0.2	2.22	< 2	90	< 0.5	< 2	0.37	< 0.5	7	11	31	2.11	< 10	< 1	0.04	< 10	0.28	320	
10700N 10675E	201 202	< 5 < 0.2	1.10	< 2	40	< 0.5	< 2	0.22	< 0.5	4	7	14	1.28	< 10	< 1	0.03	< 10	0.12	175	
10700N 10725E	201 202	< 5 < 0.2	1.90	< 2	70	< 0.5	< 2	0.32	< 0.5	8	15	45	2.69	< 10	< 1	0.06	< 10	0.30	310	
10700N 10775E	201 202	< 5 < 0.2	2.10	< 2	80	< 0.5	< 2	0.40	< 0.5	6	12	30	2.18	< 10	< 1	0.05	< 10	0.19	375	
10700N 10825E	201 202	< 5 < 0.2	1.54	< 2	60	< 0.5	< 2	0.30	< 0.5	4	9	9	1.78	< 10	< 1	0.04	< 10	0.11	310	
10700N 10875E	201 202	< 5 < 0.2	1.17	< 2	30	< 0.5	< 2	0.72	< 0.5	6	18	38	2.37	< 10	< 1	0.05	< 10	0.22	265	
10700N 10925E	201 202	< 5 < 0.2	2.01	< 2	80	< 0.5	< 2	0.38	< 0.5	8	13	25	2.23	< 10	< 1	0.05	< 10	0.22	365	
10700N 10975E	201 202	< 5 < 0.2	2.71	< 2	130	< 0.5	< 2	0.43	< 0.5	10	18	40	2.93	< 10	< 1	0.09	< 10	0.61	1080	
10700N 11025E	201 202	< 5 < 0.2	2.32	< 2	70	< 0.5	< 2	0.60	< 0.5	7	13	42	2.09	< 10	< 1	0.05	< 10	0.31	330	
10700N 11075E	201 202	< 5 < 0.2	1.84	< 2	50	< 0.5	< 2	0.31	< 0.5	6	12	22	1.94	< 10	< 1	0.06	< 10	0.21	195	

CERTIFICATION: *[Signature]*



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To: GEOTEC CONSULTANTS LTD.

6976 LABURNUM ST.
 VANCOUVER, BC
 V6P 5M9

Project: TAS
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CERTIFICATE OF ANALYSIS A9631223

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
10500N 11225E	201 202	< 1	0.03	6	1000	6	< 2	1	21	0.10	< 10	< 10	60	< 10	48
10500N 11275E	201 202	< 1	0.02	6	1310	6	< 2	1	17	0.10	< 10	< 10	56	< 10	32
10500N 11325E	201 202	< 1	0.01	7	1750	6	< 2	2	29	0.08	< 10	< 10	70	< 10	66
10500N 11375E	201 202	< 1	0.02	4	220	6	< 2	1	24	0.09	< 10	< 10	51	< 10	53
10500N 11425E	201 202	< 1	0.02	5	1910	6	< 2	1	12	0.07	< 10	< 10	47	< 10	68
10500N 11475E	201 202	< 1	0.02	1	130	6	< 2	< 1	11	0.07	< 10	< 10	23	< 10	22
10500N 11525E	201 202	< 1	0.02	8	370	6	< 2	1	32	0.09	< 10	< 10	68	< 10	88
10500N 11575E	201 202	< 1	0.01	5	740	6	< 2	3	60	0.11	< 10	< 10	100	< 10	86
10500N 11625E	201 202	< 1	0.01	6	990	6	< 2	3	46	0.10	< 10	< 10	109	< 10	99
10500N 11675E	201 202	< 1	0.01	6	720	6	< 2	3	42	0.10	< 10	< 10	75	< 10	50
10500N 11725E	201 202	< 1	0.02	6	1330	6	< 2	1	23	0.10	< 10	< 10	59	< 10	62
10500N 11775E	201 202	< 1	0.03	6	1740	6	< 2	1	16	0.11	< 10	< 10	84	< 10	84
10500N 11825E	201 202	< 1	0.02	5	1190	6	< 2	1	19	0.10	< 10	< 10	90	< 10	58
10500N 11875E	201 202	< 1	0.02	5	1200	6	< 2	1	22	0.10	< 10	< 10	66	< 10	59
10500N 11925E	201 202	< 1	0.02	6	1570	6	< 2	1	14	0.09	< 10	< 10	50	< 10	54
10500N 11975E	201 202	< 1	0.01	4	1210	6	< 2	1	11	0.09	< 10	< 10	46	< 10	82
10500N 12025E	201 202	< 1	0.01	4	1350	4	< 2	< 1	9	0.07	< 10	< 10	43	< 10	92
10500N 12075E	201 202	< 1	0.02	6	1050	6	< 2	1	12	0.08	< 10	< 10	68	< 10	64
10700N 10025E	201 202	< 1	0.01	7	360	6	< 2	3	29	0.09	< 10	< 10	68	< 10	70
10700N 10075E	201 202	< 1	0.01	9	490	6	< 2	3	37	0.09	< 10	< 10			



Chemex Labs Ltd.

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6976 LABURNUM ST.
 VANCOUVER, BC
 V6P 5M9

Project: TAS
 Comments: ATTN:L.W.SALEKEN CC:GRANT CROOKER

Total Pages: 7
 Certificate Date: 18-SEP-98
 Invoice No.: 19631223
 P.O. Number:
 Account: LOY

CERTIFICATE OF ANALYSIS A9631223

SAMPLE	PREP CODE	Au ppb FA-AA	Ag ppm	Al %	As ppm	Ba ppm	Ba ppm	Bi ppm	Cu %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
10700N 11125E	201 202	< 5 < 0.2	1.27	< 2	70 < 0.5	< 2	0.38 < 0.5	5	10	27	1.87	< 10	< 1	0.06	< 10	0.20	245			
10700N 11225E	201 202	< 5 < 0.2	1.49	< 2	70 < 0.5	< 2	0.33 < 0.5	5	11	20	1.89	< 10	< 1	0.07	< 10	0.19	230			
10700N 11275E	201 202	< 5 < 0.2	1.31	< 2	90 < 0.5	< 2	0.20 < 0.5	4	11	21	1.68	< 10	< 1	0.04	< 10	0.22	305			
10700N 11325E	201 202	< 5 < 0.2	1.02	< 2	120 < 0.5	< 2	0.18 < 0.5	7	11	22	1.10	< 10	< 1	0.04	< 10	0.25	305			
10700N 11375E	201 202	< 5 < 0.2	1.24	< 2	80 < 0.5	< 2	0.27 < 0.5	4	9	23	1.47	< 10	< 1	0.03	< 10	0.19	95			
10700N 11425E	201 202	< 5 < 0.2	3.42	< 2	100 < 0.5	< 2	0.35 < 0.5	10	13	42	2.43	< 10	< 1	0.04	< 10	0.33	440			
10700N 11475E	201 202	< 5 < 0.2	0.87	< 2	40 < 0.5	< 2	0.22 < 0.5	3	6	8	1.24	< 10	< 1	0.03	< 10	0.07	105			
10700N 11525E	201 202	< 5 < 0.2	1.15	< 2	40 < 0.5	< 2	0.34 < 0.5	4	11	14	1.89	< 10	< 1	0.03	< 10	0.22	115			
10700N 11575E	201 202	< 5 < 0.2	1.93	< 2	70 < 0.5	< 2	0.41 < 0.5	5	11	24	1.85	< 10	< 1	0.03	< 10	0.31	360			
10700N 11625E	201 202	< 5 < 0.2	1.15	< 2	40 < 0.5	< 2	0.16 < 0.5	3	6	18	1.16	< 10	< 1	0.02	< 10	0.11	75			
10700N 11675E	201 202	< 5 < 0.2	3.00	< 2	50 < 0.5	< 2	0.19 < 0.5	6	9	26	1.98	< 10	< 1	0.05	< 10	0.19	80			
10700N 11725E	201 202	< 5 < 0.2	1.18	< 2	40 < 0.5	< 2	0.32 < 0.5	3	7	10	1.38	< 10	< 1	0.02	< 10	0.18	90			
10700N 11775E	201 202	< 5 < 0.2	1.27	< 2	60 < 0.5	< 2	0.22 < 0.5	3	9	24	1.34	< 10	< 1	0.02	< 10	0.19	90			
10700N 11825E	201 202	< 5 < 0.2	1.02	< 2	50 < 0.5	< 2	0.34 < 0.5	3	6	11	1.13	< 10	< 1	0.06	< 10	0.14	315			
10700N 11875E	201 202	< 5 < 0.2	1.67	< 2	50 < 0.5	< 2	0.13 < 0.5	3	7	12	1.46	< 10	< 1	0.02	< 10	0.09	60			
10700N 11925E	201 202	< 5 < 0.2	1.64	< 2	40 < 0.5	< 2	0.15 < 0.5	4	6	13	1.51	< 10	< 1	0.02	< 10	0.09	130			
10700N 11975E	201 202	< 5 < 0.2	1.88	< 2	50 < 0.5	< 2	0.20 < 0.5	5	10	18	1.93	< 10	< 1	0.04	< 10	0.13	110			
10700N 12025E	201 202	< 5 < 0.2	3.04	< 2	60 < 0.5	< 2	0.21 < 0.5	4	9	17	1.78	< 10	< 1	0.02	< 10	0.12	330			
10700N 12075E	201 202	< 5 < 0.2	3.11	< 2	60 < 0.5	< 2	0.28 < 0.5	5	8	14	1.80	< 10	< 1	0.03	< 10	0.13	395			
10800N 10000E	201 202	< 5 < 0.2	1.66	< 2	70 < 0.5	< 2	0.38 < 0.5	10	19	46	2.84	< 10	< 1	0.10	< 10	0.26	200			
10800N 10050E	201 202	< 5 < 0.2	1.63	< 2	80 < 0.5	< 2	0.45 < 0.5	7	12	43	1.96	< 10	< 1	0.08	< 10	0.16	1210			
10800N 10100E	201 202	< 5 < 0.2	1.85	< 2	50 < 0.5	< 2	0.38 < 0.5	7	19	49	2.18	< 10	< 1	0.07	< 10	0.23	270			
10800N 10150E	201 202	< 5 < 0.2	1.49	< 2	60 < 0.5	< 2	0.37 < 1.5	6	6	17	1.34	< 10	< 1	0.04	< 10	0.10	310			
10800N 10200E	201 202	< 5 < 0.2	1.91	< 2	60 < 0.5	< 2	0.41 < 0.5	8	18	51	1.17	< 10	< 1	0.08	< 10	0.20	310			
10800N 10250E	201 202	< 5 < 0.2	1.48	< 2	70 < 0.5	< 2	0.26 < 0.5	3	5	9	1.59	< 10	< 1	0.05	< 10	0.09	633			
10800N 10300E	201 202	< 5 < 0.2	2.93	< 2	100 < 0.5	< 2	0.29 < 2.0	6	9	39	2.80	< 10	< 1	0.05	< 10	0.37	760			
10800N 10350E	201 202	< 5 < 0.2	2.16	< 2	80 < 0.5	< 2	0.48 < 1.8	10	11	21	1.87	< 10	< 1	0.10	< 10	0.17	310			
10800N 10400E	201 202	< 5 < 0.2	1.86	< 2	100 < 0.5	< 2	0.48 < 0.5	6	8	16	1.75	< 10	< 1	0.04	< 10	0.14	325			
10800N 10450E	201 202	< 5 < 0.2	1.45	< 2	60 < 0.5	< 2	0.18 < 0.5	4	10	17	1.66	< 10	< 1	0.04	< 10	0.14	230			
10800N 10500E	201 202	< 5 < 0.2	2.03	< 2	70 < 0.5	< 2	0.18 < 0.5	4	10	19	1.93	< 10	< 1	0.03	< 10	0.12	135			
10800N 10550E	201 202	< 5 < 0.2	1.70	< 2	50 < 0.5	< 2	0.36 < 0.5	5	11	24	1.93	< 10	< 1	0.03	< 10	0.21	225			
10800N 10600E	201 202	< 5 < 0.2	1.29	< 2	50 < 0.5	< 2	0.65 < 0.5	7	14	52	2.43	< 10	< 1	0.09	< 10	0.14	390			
10800N 10650E	201 202	< 5 < 0.2	1.05	< 2	40 < 0.5	< 2	0.64 < 0.5	6	17	43	1.81	< 10	< 1	0.08	< 10	0.10	195			
10800N 10700E	201 202	< 5 < 0.2	1.82	< 2	60 < 0.5	< 2	0.15 < 0.5	7	13	108	2.01	< 10	< 1	0.04	< 10	0.36	370			
10800N 10750E	201 202	< 5 < 0.2	1.49	< 2	80 < 0.5	< 2	0.27 < 0.5	5	11	25	2.03	< 10	< 1	0.05	< 10	0.23	315			
10800N 10800E	201 202	< 5 < 0.2	1.42	< 2	50 < 0.5	< 2	0.16 < 0.5	4	6	8	1.46	< 10	< 1	0.03	< 10	0.09	235			
10800N 10850E	201 202	< 5 < 0.2	1.60	< 2	70 < 0.5	< 2	0.22 < 0.5	5	9	23	1.67	< 10	< 1	0.02	< 10	0.25	250			
10800N 10900E	201 202	< 5 < 0.2	1.80	< 2	60 < 0.5	< 2	0.23 < 0.5	5	9	21	1.88	< 10	< 1	0.04	< 10	0.18	235			
10800N 10950E	201 202	< 5 < 0.2	1.28	< 2	40 < 0.5	< 2	0.12 < 0.5	4	10	14	1.79	< 10	< 1	0.05	< 10	0.16	145			
10800N 11000E	201 202	< 5 < 0.2	1.56	< 2	80 < 0.5	< 2	0.22 < 0.5	6	11	26	1.94	< 10	< 1	0.06	< 10	0.22	240			

CERTIFICATION:



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To: GEOTEC CONSULTANTS LTD.

6976 LABURNUM ST.
 VANCOUVER, BC
 V6P 5M9

Project: TAS
 Comments: ATTN:L.W.SALEKEN CC:GRANT CROOKER

Page Number: 5 B
 Total Pages: 7
 Certificate Date: 18-SEP-98
 Invoice No.: 19631223
 P.O. Number:
 Account: LOY

CERTIFICATE OF ANALYSIS A9631223

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
10700N 11125E	201 202	< 1 0.01	6	750	6	< 2	1	31	0.07	< 10	< 10	46	< 10	38	
10700N 11225E	201 202	< 1 0.01	7	1650	6	< 2	1	26	0.07	< 10	< 10	61	< 10	58	
10700N 11275E	201 202	< 1 0.02	6	470	8	< 2	1	26	0.09	< 10	< 10	54	< 10	40	
10700N 11325E	201 202	< 1 0.02	7	530	4	< 2	1	24	0.08	< 10	< 10	59	< 10	34	
10700N 11375E	201 202	< 1 0.03	6	290	2	< 2	1	24	0.10	< 10	< 10	49	< 10	26	
10700N 11425E	201 202	1 0.03	7	410	9	< 2	2	33	0.10	< 10	< 10	70	< 10	42	
10700N 11475E	201 202	1 0.01	1	770	6	< 2	< 1	11	0.08	< 10	< 10	36	< 10	24	
10700N 11525E	201 202	< 1 0.01	4	370	6	< 2	1	10	0.12	< 10	< 10	88	< 10	30	
10700N 11575E	201 202	< 1 0.03	4	220	4	< 2	1	33	0.09	< 10	< 10	54	< 10	30	
10700N 11625E	201 202	< 1 0.03	3	240	6	< 2	< 1	14	0.06	< 10	< 10	29	< 10	14	
10700N 11675E	201 202	< 1 0.02	6	1490	4	< 2	1	14	0.08	< 10	< 10	55	< 10	24	
10700N 11725E	201 202	< 1 0.03	1	240	6	< 2	< 1	24	0.08	< 10	< 10	37	< 10	16	
10700N 11775E	201 202	< 1 0.03	3	240	6	< 2	1	28	0.10	< 10	< 10	48	< 10	16	
10700N 11825E	201 202	< 1 0.06	2	350	2	< 2	1	33	0.08	< 10	< 10	32	< 10	26	
10700N 11875E	201 202	< 1 0.03	4	1320	2	< 2	< 1	13	0.08	< 10	< 10	35	< 10	20	
10700N 11925E	201 202	< 1 0.03	4	1620	6	< 2	< 1	14	0.08	< 10	< 10	39	< 10	24	
10700N 11975E	201 202	< 1 0.01	5	1640	2	< 2	1	19	0.09	< 10	< 10	56	< 10	34	
10700N 12025E	201 202	< 1 0.03	6	1080	4	< 2	1	20	0.10	< 10	< 10	52	< 10	44	
10700N 12075E	201 202	< 1 0.02	5	1110	4	< 2	1	14	0.08	< 10	< 10	55	< 10	48	
10800N 10000E	201 202	< 1 0.01	8	470	6	< 2	2	33	0.11	< 10	< 10	97	< 10	68	
10800N 10050															



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To: GEOTEC CONSULTANTS LTD.

6976 LABURNUM ST.
VANCOUVER, BC
V6P 5M9

Project: TAS
Comments: ATTN: L.W. SALEKEN CC: GRANT CROOKER

Page Number: 5
Total Pages: 30-SEP-98
Certificate Date: 19633000
Invoice No:
P.O. Number:
Account: LOY

CERTIFICATE OF ANALYSIS A9633000

SAMPLE	PREP CODE	Au ppb FA-AA	Ag ppm	Al %	Ar ppm	Ba ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Bg ppm	K %	La ppm	Mg %	Mn ppm
11150W 9675E	201 202	< 5	0.2	2.02	6	90	< 0.5	2	0.46	< 0.5	9	14	92	2.28	< 10	< 1	0.09	< 10	0.27	440
11150W 9725E	201 202	< 5	0.4	1.72	6	60	< 0.5	< 2	0.39	< 0.5	10	21	94	2.51	< 10	< 1	0.09	< 10	0.39	285
11150W 9775E	201 202	< 5	0.2	2.54	2	80	< 0.5	< 2	0.65	1.5	11	12	109	1.18	< 10	< 1	0.12	< 10	0.52	475
11150W 9825E	201 202	< 5	0.4	2.65	2	110	< 0.5	< 2	0.51	0.5	15	32	224	1.24	< 10	< 1	0.15	< 10	0.44	640
11150W 9875E	201 202	< 5	0.8	3.44	2	110	< 0.5	< 2	0.61	0.5	31	38	134	4.24	< 10	< 1	0.24	< 10	0.65	425
11150W 9925E	201 202	< 5	< 0.2	1.67	6	40	< 0.5	< 2	0.68	< 0.5	9	51	133	3.56	< 10	< 1	0.10	< 10	0.47	250
11150W 9975E	201 202	< 5	0.2	2.23	< 2	150	< 0.5	< 2	0.62	0.5	13	20	77	2.49	< 10	< 1	0.13	< 10	0.32	1085
11150W 10025E	201 202	< 5	< 0.2	1.91	< 2	70	< 0.5	< 2	0.53	< 0.5	14	27	74	3.00	< 10	< 1	0.11	< 10	0.45	580
11150W 10075E	201 202	< 5	0.8	2.69	< 2	60	1.5	< 2	0.49	0.5	14	22	528	3.01	< 10	< 1	0.10	< 10	0.34	1015
11150W 10125E	201 202	< 5	0.6	3.26	< 2	110	0.5	< 2	0.32	< 0.5	12	14	370	3.04	< 10	< 1	0.06	< 10	0.28	450
11150W 10175E	201 202	< 5	0.4	2.11	< 2	110	< 0.5	< 2	0.25	0.5	12	10	53	2.23	< 10	< 1	0.04	< 10	0.16	1515
11150W 10225E	201 202	< 5	0.2	1.90	< 2	100	< 0.5	< 2	0.33	< 0.5	8	13	41	2.07	< 10	< 1	0.05	< 10	0.21	1650
11150W 10275E	201 202	< 5	0.2	2.35	4	100	< 0.5	< 2	0.20	< 0.5	7	10	30	1.93	< 10	< 1	0.04	< 10	0.18	415
11150W 10325E	201 202	< 5	0.3	1.71	< 2	60	< 0.5	< 2	0.18	< 0.5	5	7	19	1.71	< 10	< 1	0.03	< 10	0.11	340
11150W 10375E	201 202	< 5	< 0.3	1.34	< 2	70	< 0.5	< 2	0.39	< 0.5	8	13	29	3.57	< 10	< 1	0.04	< 10	0.20	300
11150W 10425E	201 202	< 5	< 0.2	1.38	6	60	< 0.5	< 2	0.40	< 0.5	8	13	26	2.34	< 10	< 1	0.05	< 10	0.22	300
11150W 10475E	201 202	< 5	< 0.2	1.39	< 2	60	< 0.5	< 2	0.26	< 0.5	5	10	11	1.79	< 10	< 1	0.05	< 10	0.16	160
11150W 10525E	201 202	< 5	< 0.2	1.20	< 2	110	< 0.5	< 2	0.33	0.5	5	8	6	1.45	< 10	< 1	0.06	< 10	0.22	465
11150W 10575E	201 202	< 5	0.2	2.67	< 2	120	< 0.5	< 2	0.50	0.5	7	13	24	2.11	< 10	< 1	0.09	< 10	0.18	665
11150W 10625E	201 202	< 5	0.2	2.51	< 2	180	< 0.5	< 2	0.27	< 0.5	6	11	15	2.21	< 10	< 1	0.06	< 10	0.18	665
11150W 10675E	201 202	< 5	< 0.2	1.97	4	110	< 0.5	< 2	0.21	0.5	5	9	13	1.99	< 10	< 1	0.05	< 10	0.16	910
11150W 10725E	201 202	< 5	< 0.2	2.09	< 2	130	< 0.5	< 2	0.20	0.5	6	10	18	1.86	< 10	< 1	0.05	< 10	0.19	960
11150W 10775E	201 202	< 5	< 0.2	1.73	< 2	100	< 0.5	< 2	0.20	0.5	4	8	14	1.63	< 10	< 1	0.05	< 10	0.14	290
11150W 10825E	201 202	< 5	< 0.2	2.14	< 2	120	< 0.5	< 2	0.09	< 0.5	4	7	17	1.81	< 10	< 1	0.03	< 10	0.11	325
11150W 10875E	201 202	< 5	< 0.3	2.13	6	110	< 0.5	< 2	0.17	< 0.5	4	8	15	1.91	< 10	< 1	0.04	< 10	0.14	470
11150W 10925E	201 202	< 5	< 0.2	2.49	4	120	< 0.5	< 2	0.19	0.5	7	10	32	2.18	< 10	< 1	0.04	< 10	0.21	1055
11150W 10975E	201 202	< 5	0.4	2.39	< 2	70	< 0.5	< 2	0.13	< 0.5	4	7	22	1.59	< 10	< 1	0.03	< 10	0.12	495
11150W 11025E	201 202	< 5	< 0.2	2.07	< 2	60	< 0.5	< 2	0.13	< 0.5	5	7	14	1.83	< 10	< 1	0.02	< 10	0.12	470
11150W 11075E	201 202	< 5	0.2	3.61	< 2	100	0.5	< 2	0.30	< 0.5	5	13	49	2.14	< 10	< 1	0.08	< 10	0.22	550
11150W 11125E	201 202	< 5	< 0.3	1.64	2	70	< 0.5	< 2	0.16	< 0.5	5	8	12	1.55	< 10	< 1	0.04	< 10	0.10	445
11150W 11175E	201 202	< 5	< 0.3	1.97	< 2	70	< 0.5	< 2	0.16	< 0.5	5	9	13	1.81	< 10	< 1	0.03	< 10	0.13	340
11150W 11225E	201 202	< 5	< 0.2	1.69	4	90	< 0.5	< 2	0.21	< 0.5	5	10	19	2.00	< 10	< 1	0.05	< 10	0.16	350
11150W 11275E	201 202	< 5	< 0.2	2.70	6	90	< 0.5	< 2	0.53	< 0.5	8	11	84	3.33	< 10	< 1	0.07	< 10	0.41	290
11150W 11275E A	201 202	< 5	< 0.2	2.43	< 2	90	0.5	< 2	0.47	< 0.5	8	11	84	3.27	< 10	< 1	0.07	< 10	0.41	255
11150W 11325E	201 202	< 5	0.2	2.09	4	90	< 0.5	< 2	0.31	< 0.5	6	11	43	2.13	< 10	< 1	0.05	< 10	0.20	385
11150W 11375E	201 202	< 5	< 0.2	2.09	2	80	< 0.5	< 2	0.25	< 0.5	6	11	30	2.03	< 10	< 1	0.05	< 10	0.21	240
11150W 11425E	201 202	< 5	< 0.2	1.94	2	80	< 0.5	< 2	0.21	< 0.5	6	11	20	2.08	< 10	< 1	0.04	< 10	0.19	375
11150W 11475E	201 202	< 5	0.2	1.84	4	60	< 0.5	< 2	0.21	< 0.5	6	14	31	2.12	< 10	< 1	0.05	< 10	0.31	325
11150W 11525E	201 202	< 5	< 0.2	1.26	6	60	< 0.5	< 2	0.51	< 0.5	6	14	31	2.12	< 10	< 1	0.04	< 10	0.15	120
11150W 11575E	201 202	< 5	< 0.2	1.77	< 2	40	< 0.5	< 2	0.19	< 0.5	5	11	21	2.17	< 10	< 1	0.04	< 10	0.15	120

CERTIFICATION: [Signature]



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PHONE: 604-984-0221 FAX: 604-984-0218

To: GEOTEC CONSULTANTS LTD.

6976 LABURNUM ST.
VANCOUVER, BC
V6P 5M9

Project: TAS
Comments: ATTN: L.W. SALEKEN CC: GRANT CROOKER

Page Number: 1-8
Total Pages: 5
Certificate Date: 30-SEP-98
Invoice No.: A9633000
P.O. Number:
Account: LOY

CERTIFICATE OF ANALYSIS A9633000

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
11150W 9675E	201 202	< 1	0.03	9	1670	8	< 2	3	42	0.10	< 10	< 10	45	< 10	94
11150W 9725E	201 202	< 1	0.04	11	1190	12	< 2	3	48	0.09	< 10	< 10	47	< 10	130
11150W 9775E	201 202	< 1	0.01	11	560	16	< 2	4	39	0.13	< 10	< 10	77	< 10	356
11150W 9825E	201 202	< 1	0.02	17	980	10	< 2	4	42	0.14	< 10	< 10	84	< 10	150
11150W 9875E	201 202	4	0.03	31	930	30	< 2	4	85	0.16	< 10	< 10	87	< 10	218
11150W 9925E	201 202	1	0.01	16	770	14	< 2	7	65	0.08	< 10	< 10	94	< 10	64
11150W 9975E	201 202	1	0.03	20	770	14	< 2	3	70	0.11	< 10	< 10	52	< 10	126
11150W 10025E	201 202	< 1	0.01	14	580	10	< 2	3	56	0.08	< 10	< 10	95	< 10	60
11150W 10075E	201 202	3	0.02	25	460	18	< 2	3	56	0.08	< 10	< 10	59	< 10	494
11150W 10125E	201 202	< 1	0.02	14	630	14	< 2	3	37	0.12	< 10	< 10	58	< 10	148
11150W 10175E	201 202	< 1	0.03	9	1520	8	< 2	1	31	0.10	< 10	< 10	50	< 10	248
11150W 10225E	201 202	< 1	0.03	13	930	8	< 2	2	38	0.10	< 10	< 10	55	< 10	120
11150W 10275E	201 202	< 1	0.03	11	2080	2	< 2	1	22	0.09	< 10	< 10	49	< 10	90
11150W 10325E	201 202	< 1	0.04	6	1630	6	< 2	1	18	0.08	< 10	< 10	44	< 10	58
11150W 10375E	201 202	< 1	0.02	8	2350	8	< 2	2	37	0.07	< 10	< 10	80	< 10	98
11150W 10425E	201 202	< 1	0.01	10	930	8	< 2	2	41	0.09	< 10	< 10	82	< 10	44
11150W 10475E	201 202	< 1	0.02	9	750	2	< 2	1	38	0.10	< 10	< 10	51	< 10	76
11150W 10525E	201 202	< 1	0.03	8	790	6	< 2	1	31	0.09	< 10	< 10	39	< 10	153
11150W 10575E	201 202	< 1	0.03	15	250	10	< 2	2	51	0.13	< 10	< 10	48	< 10	144
11150W 10625E	201 202	< 1	0.03	12	470	10	< 2	3	33	0.13	< 10	< 10	59	< 10	2



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: GEOTEC CONSULTANTS LTD.

6978 LABURNUM ST.
 VANCOUVER, BC
 V6P 5M9

Project: TAS
 Comments: ATTN: L.W. SALEKEN CC: GRANT CROOKER

Page Number: 5
 Total Pages: 5
 Certificate Date: 30-SEP-96
 Invoice No.: 19633000
 P.O. Number:
 Account: LOY

CERTIFICATE OF ANALYSIS A9633000

SAMPLE	PREP CODE	As ppb FA+AA	Ag ppm	Al %	Ar ppm	Ba ppm	Be ppm	Bi ppm	Cu %	Ca ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Bg ppm	K %	La ppm	Mg %	Mn ppm
11150N 11625E	201 202	< 5	0.2	2.51	6	100	< 0.5	< 2	0.32	< 0.5	6	13	47	2.13	< 10	< 1	0.03	< 10	0.28	140
11150N 11675E	201 202	< 5	0.8	1.87	2	340	< 1.5	< 2	1.55	< 0.5	6	19	295	2.66	< 10	< 1	0.06	50	0.44	560
11150N 11725E	201 202	< 5	< 0.2	1.43	2	60	< 0.5	< 2	0.28	< 0.5	3	8	16	1.25	< 10	< 1	0.03	< 10	0.14	190
11150N 11775E	201 202	< 5	< 0.2	1.16	2	40	< 0.5	< 2	0.19	< 0.5	3	9	10	1.60	< 10	< 1	0.03	< 10	0.10	80
11150N 11825E	201 202	< 5	< 0.2	0.89	2	90	< 0.5	< 2	0.13	< 0.5	3	7	6	1.34	< 10	< 1	0.03	< 10	0.06	139
11150N 11875E	201 202	< 5	0.2	2.33	< 2	70	< 0.5	< 2	0.10	< 0.5	3	7	12	1.59	< 10	< 1	0.03	< 10	0.09	160
11150N 11925E	201 202	< 5	0.2	1.71	< 2	70	< 0.5	< 2	0.15	< 0.5	5	9	16	1.72	< 10	< 1	0.03	< 10	0.13	125
11150N 11975E	201 202	< 5	0.2	1.31	< 2	50	< 0.5	< 2	0.18	< 0.5	5	10	14	1.89	< 10	< 1	0.03	< 10	0.15	155
11150N 12025E	201 202	10	< 0.2	3.19	2	60	< 0.5	< 2	0.20	< 0.5	6	10	19	1.99	< 10	< 1	0.04	< 10	0.18	560
11150N 12075E	201 202	< 5	0.2	1.94	< 2	60	< 0.5	< 2	0.13	< 0.5	5	9	13	1.86	< 10	< 1	0.04	< 10	0.19	560
11250N 9675E	201 202	< 5	0.2	2.01	< 2	160	< 0.5	< 2	0.18	< 0.5	6	11	41	1.95	< 10	< 1	0.05	< 10	0.17	909
11250N 9725E	201 202	< 5	< 0.2	1.98	< 2	130	< 0.5	< 2	0.32	< 1.5	12	13	93	2.58	< 10	< 1	0.09	< 10	0.27	620
11250N 9775E	201 202	< 5	0.6	1.77	< 2	110	< 0.5	< 2	0.32	< 0.5	10	12	153	2.09	< 10	< 1	0.05	< 10	0.20	405
11250N 9825E	201 202	< 5	0.2	3.48	< 2	180	< 0.5	< 2	0.48	< 0.5	27	113	1105	4.74	< 10	< 1	0.58	< 10	3.03	315
11250N 9875E	201 202	< 5	0.2	1.68	2	60	< 0.5	< 2	0.26	< 0.5	6	26	112	2.19	< 10	< 1	0.09	< 10	0.32	225
11250N 9925E	201 202	< 5	0.2	3.00	6	130	< 0.5	< 2	0.50	< 0.5	25	19	256	3.44	< 10	< 1	0.08	< 10	0.42	905
11250N 9975E	201 202	< 5	0.2	2.78	8	140	< 0.5	< 2	0.29	< 0.5	14	12	293	3.27	< 10	< 1	0.10	< 10	0.40	655
11250N 10025E	201 202	< 5	0.2	2.20	2	160	< 0.5	< 2	0.35	< 0.5	9	11	107	2.21	< 10	< 1	0.06	< 10	0.29	580
11250N 10075E	201 202	< 5	< 0.2	0.94	2	80	< 0.5	< 2	0.64	< 0.5	11	13	136	2.38	< 10	< 2	0.07	20	0.31	1065
11250N 10125E	201 202	< 5	< 0.2	1.58	< 2	70	< 0.5	< 2	0.52	< 0.5	10	19	246	3.03	< 10	< 1	0.08	< 10	0.41	575
11250N 10175E	201 202	< 5	0.2	1.83	< 2	120	< 0.5	< 2	0.22	< 0.5	10	12	60	1.98	< 10	< 1	0.05	< 10	0.21	645
11250N 10225E	201 202	< 5	< 0.2	2.41	< 2	130	< 0.5	< 2	0.28	< 0.5	9	16	58	2.67	< 10	< 1	0.04	< 10	0.27	280
11250N 10275E	201 202	< 5	< 0.2	1.44	2	100	< 0.5	< 2	0.24	< 0.5	6	9	19	1.76	< 10	< 1	0.05	< 10	0.14	510
11250N 10325E	201 202	< 5	0.2	1.51	2	130	< 0.5	< 2	0.23	< 0.5	5	8	15	1.63	< 10	< 1	0.04	< 10	0.17	585
11250N 10375E	201 202	< 5	< 0.2	1.20	2	90	< 0.5	< 2	0.34	< 0.5	7	12	24	2.10	< 10	< 1	0.06	< 10	0.20	485
11250N 10425E	201 202	< 5	< 0.2	1.58	2	90	< 0.5	< 2	0.31	< 0.5	6	12	23	3.07	< 10	< 1	0.05	< 10	0.20	225
11250N 10475E	201 202	< 5	< 0.2	1.48	2	70	< 0.5	< 2	0.37	< 0.5	6	13	21	3.11	< 10	< 1	0.06	< 10	0.22	220
11250N 10525E	201 202	< 5	< 0.2	1.44	2	80	< 0.5	< 2	0.19	< 0.5	6	8	9	1.71	< 10	< 1	0.04	< 10	0.13	325
11250N 10575E	201 202	< 5	0.2	3.24	6	190	< 0.5	4	0.30	< 0.5	15	14	85	2.79	< 10	< 1	0.04	< 10	0.27	1085
11250N 10625E	201 202	< 5	0.2	1.74	2	90	< 0.5	2	0.16	< 0.5	12	12	49	2.54	< 10	< 2	0.03	10	0.14	645
11250N 10675E	201 202	< 5	< 0.2	1.64	2	90	< 0.5	< 2	0.16	< 0.5	5	8	10	1.63	< 10	< 1	0.04	< 10	0.11	510
11250N 10725E	201 202	< 5	< 0.2	1.84	2	130	< 0.5	< 2	0.14	< 0.5	5	8	10	1.54	< 10	< 1	0.04	< 10	0.13	1275
11250N 10775E	201 202	< 5	< 0.2	2.17	< 2	130	< 0.5	< 2	0.23	< 0.5	6	12	18	2.18	< 10	< 1	0.05	< 10	0.27	465
11250N 10825E	201 202	< 5	0.2	1.68	2	90	< 0.5	< 2	0.19	< 0.5	6	9	12	1.88	< 10	< 1	0.04	< 10	0.14	1105
11250N 10875E	201 202	< 5	0.2	2.23	< 2	170	< 0.5	< 2	0.18	< 0.5	5	9	20	1.59	< 10	< 1	0.05	< 10	0.15	175
11250N 10925E	201 202	< 5	< 0.2	1.48	< 2	140	< 0.5	< 2	0.13	< 0.5	5	6	6	1.44	< 10	< 1	0.03	< 10	0.08	855
11250N 10975E	201 202	< 5	0.2	2.14	< 2	90	< 0.5	< 2	0.16	< 0.5	7	8	19	1.79	< 10	< 1	0.03	< 10	0.15	560
11250N 11025E	201 202	< 5	0.2	2.18	< 2	80	< 0.5	< 2	0.12	< 0.5	5	7	72	1.92	< 10	< 1	0.03	< 10	0.14	385
11250N 11075E	201 202	< 5	0.2	1.72	< 2	60	< 0.5	< 2	0.10	< 0.5	4	7	8	1.82	< 10	< 1	0.03	< 10	0.10	740
11250N 11125E	202 202	< 5	< 0.2	1.35	< 2	60	< 0.5	< 2	0.37	< 0.5	5	7	23	1.64	< 10	< 1	0.04	< 10	0.14	610

CERTIFICATION: *Hart Bickler*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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To: GEOTEC CONSULTANTS LTD.

6978 LABURNUM ST.
 VANCOUVER, BC
 V6P 5M9

Project: TAS
 Comments: ATTN: L.W. SALEKEN CC: GRANT CROOKER

Page Number: 2 B
 Total Pages: 5
 Certificate Date: 30-SEP-96
 Invoice No.: 19633000
 P.O. Number:
 Account: LOY

CERTIFICATE OF ANALYSIS A9633000

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
11150N 11625E	201 202	< 1	0.03	9	530	6	< 2	3	27	0.10	< 10	< 10	48	< 10	44
11150N 11675E	201 202	< 1	0.01	19	810	10	< 2	8	144	0.03	< 10	< 10	42	< 10	64
11150N 11725E	201 202	< 1	0.03	5	230	4	< 2	1	27	0.08	< 10	< 10	30	< 10	18
11150N 11775E	201 202	< 1	0.01	4	1030	6	< 2	1	22	0.08	< 10	< 10	48	< 10	48
11150N 11825E	201 202	< 1	0.01	3	1530	6	< 2	< 1	18	0.07	< 10	< 10	33	< 10	32
11150N 11875E	201 202	< 1	0.03	5	1550	6	< 2	1	14	0.10	< 10	< 10	36	< 10	40
11150N 11925E	201 202	< 1	0.01	6	630	8	< 2	1	19	0.10	< 10	< 10	47	< 10	68
11150N 11975E	201 202	< 1	0.02	5	1210	10	< 2	1	20	0.10	< 10	< 10	51	< 10	90
11150N 12025E	201 202	< 1	0.02	6	1020	6	< 2	2	21	0.11	< 10	< 10	95	< 10	54
11150N 12075E	201 202	< 1	0.01	5	1420	6	< 2	1	14	0.10	< 10	< 10	44	< 10	98
11250N 9675E	201 202	< 1	0.01	10	1370	10	< 2	2	23	0.09	< 10	< 10	48	< 10	98
11250N 9725E	201 202	< 1	0.01	12	810	18	< 2	2	45	0.11	< 10	< 10	61	< 10	302
11250N 9775E	201 202	< 1	0.01	15	830	8	< 2	1	34	0.09	< 10	< 10	44	< 10	100
11250N 9825E	201 202	< 1	0.01	17	360	6	< 2	6	89	0.24	< 10	< 10	136	< 10	98
11250N 9875E	201 202	< 1	0.01	16	460	6	< 2	4	32	0.09	< 10	< 10	49	< 10	96
11250N 9925E	201 202	< 1	0.01	17	1040	16	< 2	3	63	0.13	< 10	< 10	81	< 10	100
11250N 9975E	201 202	< 1	0.01	10	750	12	< 2	3	44	0.13	< 10	< 10	76	< 10	78
11250N 10025E	201 202	< 1	0.01	10	1230	8	< 2	3	39	0.11	< 10	< 10	61	< 10	70
11250N 10075E	201 202	< 1	0.01	10	730	8	< 2	5	48	0.10	< 10	< 10	72	< 10	106
11250N 10125E	201 202	2	0.0												



Chemex Labs Ltd.

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To: GEOTEC CONSULTANTS LTD.

8978 LABURNUM ST.
 VANCOUVER, BC
 V6P 5M9

Page Number 3
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 Invoice No. 19633000
 P.O. Number
 Account LOY

Project: TAT
 Comments: ATTN: L.W. SALEKEN CC: GRANT CROOKER

CERTIFICATE OF ANALYSIS A9633000

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Cd %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
11250W 11175E	201 202	< 5	0.2	1.81	4	50	< 0.5	< 2	0.24	< 0.5	5	8	19	2.12	< 10	< 1	0.03	< 10	0.19	230
11250W 11225E	201 202	< 5	0.2	1.56	3	40	< 0.5	< 2	0.22	< 0.5	4	8	25	1.63	< 10	< 1	0.04	< 10	0.18	135
11250W 11275E	201 202	< 5	0.2	1.55	6	50	< 0.5	< 2	0.29	< 0.5	6	10	36	2.30	< 10	< 1	0.05	< 10	0.20	200
11250W 11325E	201 202	< 5	0.2	1.59	< 2	60	< 0.5	< 2	0.47	< 0.5	6	10	55	1.91	< 10	< 3	0.05	< 10	0.17	278
11250W 11375E	201 202	< 5	0.2	1.94	10	60	< 0.5	< 2	0.32	< 0.5	5	10	23	1.92	< 10	< 1	0.05	< 10	0.17	210
11250W 11425E	201 202	< 5	0.2	1.43	< 2	90	< 0.5	< 2	0.45	< 0.5	6	11	28	2.23	< 10	< 1	0.06	< 10	0.23	355
11250W 11475E	201 202	< 5	0.2	1.55	< 2	60	< 0.5	< 2	0.63	< 0.5	7	14	45	2.32	< 10	< 2	0.06	< 10	0.34	255
11250W 11525E	201 202	< 5	0.2	2.82	< 2	100	< 0.5	< 2	0.78	< 0.5	6	15	73	2.70	< 10	< 1	0.06	< 10	0.29	245
11250W 11575E	201 202	< 5	0.2	2.99	< 2	90	< 0.5	< 2	0.45	< 0.5	6	17	41	3.00	< 10	< 2	0.04	< 10	0.25	180
11250W 11625E	201 202	< 5	0.2	3.42	< 2	120	< 0.5	< 2	0.73	< 0.5	6	18	80	3.19	< 10	< 3	0.05	< 10	0.27	235
11250W 11675E	201 202	< 5	0.2	3.29	< 2	110	< 0.5	< 2	0.59	< 0.5	7	20	56	3.45	< 10	< 1	0.05	< 10	0.30	345
11250W 11725E	201 202	< 5	0.2	1.93	< 2	80	< 0.5	< 2	0.38	< 0.5	5	9	18	1.70	< 10	< 2	0.04	< 10	0.11	85
11250W 11775E	201 202	< 5	0.2	1.04	< 2	60	< 0.5	< 2	0.16	< 0.5	4	8	7	1.75	< 10	< 1	0.03	< 10	0.08	195
11250W 11825E	201 202	< 5	0.2	1.06	< 2	50	< 0.5	< 2	0.25	< 0.5	3	6	8	0.93	< 10	< 1	0.03	< 10	0.10	65
11250W 11875E	201 202	< 5	0.2	1.86	< 2	60	< 0.5	< 2	0.33	< 0.5	5	9	12	2.10	< 10	< 1	0.05	< 10	0.13	295
11250W 11925E	201 202	< 5	0.2	1.47	< 2	50	< 0.5	< 2	0.09	< 0.5	5	7	8	1.91	< 10	< 2	0.03	< 10	0.07	250
11250W 11975E	201 202	< 5	0.2	1.20	6	70	< 0.5	< 2	0.31	< 0.5	5	7	8	1.60	< 10	< 1	0.03	< 10	0.07	165
11250W 12025E	201 202	< 5	0.2	2.63	< 2	50	< 0.5	< 2	0.35	< 0.5	7	10	15	2.12	< 10	< 1	0.03	< 10	0.14	465
11250W 12075E	201 202	< 5	0.2	2.17	< 2	60	< 0.5	< 2	0.23	< 0.5	6	11	17	2.11	< 10	< 1	0.04	< 10	0.17	140
11250W 9675E	201 202	< 5	0.2	1.04	< 2	40	< 0.5	< 2	0.30	< 0.5	6	13	27	2.00	< 10	< 1	0.06	< 10	0.23	135
11350W 9725E	201 202	< 5	0.2	1.81	4	90	< 0.5	< 2	0.31	< 0.5	7	13	34	2.38	< 10	< 5	0.09	< 10	0.21	660
11350W 9775E	201 202	< 5	0.2	1.54	3	90	< 0.5	< 2	0.32	< 0.5	8	9	38	1.74	< 10	< 2	0.05	< 10	0.14	395
11350W 9825E	201 202	< 5	0.2	3.71	< 2	110	< 0.5	< 2	0.39	< 0.5	24	20	315	4.10	< 10	< 1	0.05	< 10	0.29	575
11350W 9875E	201 202	< 5	0.2	1.73	< 2	40	< 0.5	< 2	0.38	< 0.5	9	20	76	2.44	< 10	< 1	0.07	< 10	0.24	280
11350W 9925E	201 202	< 5	0.2	2.24	< 2	120	< 0.5	< 2	0.33	< 0.5	10	11	89	2.48	< 10	< 3	0.04	< 10	0.17	825
11350W 9975E	201 202	< 5	0.2	1.91	< 2	70	< 0.5	< 2	0.30	< 0.5	11	12	83	2.34	< 10	< 1	0.07	< 10	0.28	670
11350W 10025E	201 202	< 5	0.2	1.49	< 2	80	< 0.5	< 2	0.49	< 0.5	9	10	41	2.89	< 10	< 1	0.06	< 10	0.18	930
11350W 10075E	201 202	< 5	0.2	2.17	3	70	< 0.5	< 2	0.69	< 0.5	9	10	61	2.89	< 10	< 1	0.07	< 10	0.28	205
11350W 10125E	201 202	< 5	0.2	2.00	< 2	90	< 0.5	< 2	0.23	< 0.5	9	11	101	2.21	< 10	< 1	0.04	< 10	0.18	695
11350W 10175E	201 202	< 5	0.2	1.95	< 2	110	< 0.5	< 2	0.26	< 0.5	9	11	37	2.42	< 10	< 1	0.04	< 10	0.21	625
11350W 10225E	201 202	0.5	0.2	1.94	4	80	< 0.5	< 2	0.38	< 0.5	10	13	116	2.45	< 10	< 1	0.06	< 10	0.20	345
11350W 10275E	201 202	< 5	0.4	3.28	< 2	90	< 0.5	< 2	0.96	< 0.5	11	20	259	2.35	< 10	< 1	0.10	< 10	0.21	800
11350W 10325E	201 202	< 5	0.2	1.49	< 2	110	< 0.5	< 2	0.34	< 0.5	6	10	20	2.03	< 10	< 4	0.08	< 10	0.18	250
11350W 10375E	201 202	< 5	0.2	1.31	< 2	40	< 0.5	< 2	0.50	< 0.5	8	15	30	2.52	< 10	< 1	0.06	< 10	0.25	255
11350W 10425E	201 202	< 5	0.2	1.88	2	140	< 0.5	< 2	0.27	< 0.5	6	11	13	2.13	< 10	< 1	0.07	< 10	0.19	470
11350W 10475E	201 202	< 5	0.2	2.09	< 2	180	< 0.5	< 2	0.41	< 0.5	8	10	18	1.97	< 10	< 1	0.08	< 10	0.28	1005
11350W 10525E	201 202	< 5	0.2	3.31	< 2	220	< 0.5	< 2	0.96	< 0.5	35	14	171	2.36	< 10	< 2	0.06	< 10	0.46	4440
11350W 10575E	201 202	< 5	0.2	2.43	< 2	110	< 0.5	< 2	0.36	< 0.5	8	11	35	2.30	< 10	< 1	0.04	< 10	0.20	440
11350W 10625E	201 202	< 5	0.2	1.54	< 2	60	< 0.5	< 2	0.15	< 0.5	5	6	13	1.62	< 10	< 1	0.02	< 10	0.09	960
11350W 10675E	201 202	< 5	0.2	1.74	< 2	90	< 0.5	< 2	0.14	< 0.5	5	7	10	1.57	< 10	< 1	0.03	< 10	0.10	860

CERTIFICATION: _____



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
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To: GEOTEC CONSULTANTS LTD.

8978 LABURNUM ST.
 VANCOUVER, BC
 V6P 5M9

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 Account LOY

Project: TAT
 Comments: ATTN: L.W. SALEKEN CC: GRANT CROOKER

CERTIFICATE OF ANALYSIS A9633000

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
11250W 11175E	201 202	< 1	0.01	9	650	2	< 2	1	24	0.10	< 10	< 10	65	< 10	46
11250W 11225E	201 202	< 1	0.01	5	500	4	6	1	23	0.09	< 10	< 10	45	< 10	32
11250W 11275E	201 202	< 1	0.01	7	1210	4	2	2	31	0.08	< 10	< 10	71	< 10	50
11250W 11325E	201 202	< 1	0.03	6	460	2	< 2	3	50	0.08	< 10	< 10	53	< 10	46
11250W 11375E	201 202	< 1	0.01	6	1320	2	2	2	33	0.09	< 10	< 10	57	< 10	40
11250W 11425E	201 202	< 1	0.01	4	2230	2	< 2	3	45	0.07	< 10	< 10	66	< 10	40
11250W 11475E	201 202	< 1	0.01	6	510	< 2	< 2	4	56	0.12	< 10	< 10	82	< 10	32
11250W 11525E	201 202	< 1	0.02	9	410	< 2	< 2	4	63	0.10	< 10	< 10	54	< 10	26
11250W 11575E	201 202	< 1	0.04	9	190	2	< 2	4	39	0.11	< 10	< 10	59	< 10	26
11250W 11625E	201 202	< 1	0.03	11	440	4	< 2	4	39	0.10	< 10	< 10	40	< 10	24
11250W 11675E	201 202	< 1	0.02	9	250	4	< 2	5	49	0.10	< 10	< 10	60	< 10	24
11250W 11725E	201 202	< 1	0.02	6	1480	2	< 2	1	19	0.08	< 10	< 10	39	< 10	26
11250W 11775E	201 202	< 1	0.01	3	1140	6	< 2	1	13	0.08	< 10	< 10	46	< 10	26
11250W 11825E	201 202	< 1	0.02	2	100	2	< 2	1	23	0.08	< 10	< 10	24	< 10	10
11250W 11875E	201 202	< 1	0.01	5	950	4	2	1	12	0.10	< 10	< 10	54	< 10	46
11350W 11925E	201 202	< 1	0.02	4	1130	2	< 2	1	10	0.09	< 10	< 10	49	< 10	33
11350W 11975E	201 202	< 1	0.01	3	1920	6	< 2	< 1	11	0.08	< 10	< 10	38	< 10	40
11350W 12025E	201 202	< 1	0.01	8	1290	4	< 2	1	14	0.10	< 10	< 10	31	< 10	70
11350W 12075E	201 202	< 1	0.01	7	740	6	< 2	1	22	0.10	< 10	< 10	60	< 10	48
11350W 9675E	201 202	< 1	0.01	5	180	2	< 2	3	42</						



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To: GEOTEC CONSULTANTS LTD.
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 VANCOUVER, BC
 V6P 5M9

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 Account: LOY

Project: TAS
 Comments: ATTN: L.W. SALEKEN CC: GRANT CROOKER

CERTIFICATE OF ANALYSIS A9633000

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
11350N 10725E	201 202	< 5	< 0.2	1.82	2	100	< 0.5	< 2	0.18	< 0.3	8	8	20	2.01	< 10	< 1	0.04	< 10	0.13	1055
11350N 10775E	201 202	< 5	< 0.2	2.14	2	100	< 0.5	< 2	0.18	< 0.3	7	10	19	1.93	< 10	< 1	0.04	< 10	0.15	705
11350N 10825E	201 202	< 5	< 0.2	1.94	2	60	< 0.5	< 2	0.11	< 0.3	5	7	9	1.67	< 10	1	0.02	< 10	0.10	570
11350N 10875E	201 202	< 5	< 0.2	1.94	2	60	< 0.5	< 2	0.49	< 0.3	10	16	93	2.94	< 10	4	0.07	< 10	0.41	475
11350N 10925E	201 202	< 5	0.2	1.60	4	80	< 0.5	< 2	0.20	< 0.3	7	8	15	1.65	< 10	1	0.04	< 10	0.13	1070
11350N 10975E	201 202	< 5	0.2	1.51	< 2	80	< 0.5	< 2	0.21	< 0.3	6	8	29	1.62	< 10	1	0.04	< 10	0.14	580
11350N 11025E	201 202	< 5	0.2	1.80	2	50	< 0.5	< 2	0.10	< 0.3	4	10	43	1.91	< 10	< 1	0.04	< 10	0.25	375
11350N 11075E	201 202	< 5	< 0.2	1.68	2	50	< 0.5	< 2	0.10	< 0.3	5	7	6	1.71	< 10	1	0.04	< 10	0.20	330
11350N 11125E	201 202	< 5	< 0.2	1.50	< 2	50	< 0.5	< 2	0.36	< 0.3	8	9	37	1.58	< 10	2	0.04	< 10	0.75	480
11350N 11175E	201 202	< 5	< 0.2	2.04	< 2	70	< 0.5	< 2	0.20	< 0.3	7	9	19	1.87	< 10	1	0.04	< 10	0.10	330
11350N 11225E	201 202	< 5	< 0.2	2.03	< 2	70	< 0.5	< 2	0.32	< 0.3	7	13	39	2.44	< 10	< 1	0.05	< 10	0.25	320
11350N 11275E	201 202	< 5	0.2	1.68	6	50	< 0.5	< 2	0.42	< 0.3	6	11	37	2.15	< 10	3	0.07	< 10	0.17	300
11350N 11325E	201 202	< 5	< 0.2	2.06	< 2	70	< 0.5	< 2	0.24	< 0.3	5	10	32	1.96	< 10	< 1	0.04	< 10	0.15	100
11350N 11375E	201 202	< 5	< 0.2	1.74	6	50	< 0.5	< 2	0.46	< 0.3	5	11	50	1.99	< 10	3	0.05	< 10	0.21	215
11350N 11425E	201 202	< 5	< 0.2	1.34	< 2	40	< 0.5	< 2	0.29	< 0.3	5	10	17	1.92	< 10	1	0.04	< 10	0.12	110
11350N 11475E	201 202	< 5	< 0.2	1.31	< 2	50	< 0.5	< 2	0.23	< 0.3	5	9	13	1.91	< 10	< 1	0.04	< 10	0.12	215
11350N 11525E	201 202	< 5	< 0.2	1.43	2	50	< 0.5	< 2	0.29	< 0.3	6	11	20	1.86	< 10	< 1	0.04	< 10	0.17	300
11350N 11575E	201 202	< 5	< 0.2	1.51	< 2	50	< 0.5	< 2	0.36	< 0.3	5	12	27	1.86	< 10	< 1	0.04	< 10	0.18	250
11350N 11625E	201 202	< 5	< 0.2	1.33	6	50	< 0.5	< 2	0.33	< 0.3	6	11	21	2.04	< 10	1	0.05	< 10	0.10	205
11350N 11675E	201 202	< 5	< 0.2	1.37	2	50	< 0.5	< 2	0.14	< 0.3	4	9	10	1.88	< 10	2	0.03	< 10	0.10	205
11350N 11725E	201 202	< 5	< 0.2	1.98	< 2	70	< 0.5	< 2	0.23	< 0.3	6	11	15	2.17	< 10	3	0.04	< 10	0.16	260
11350N 11775E	201 202	< 5	< 0.2	1.79	< 2	60	< 0.5	< 2	0.25	< 0.3	6	12	17	2.26	< 10	4	0.04	< 10	0.18	345
11350N 11825E	201 202	< 5	< 0.2	1.64	< 2	60	< 0.5	< 2	0.43	< 0.3	5	11	16	1.25	< 10	< 1	0.04	< 10	0.20	565
11350N 11875E	201 202	< 5	0.2	1.39	< 2	50	< 0.5	< 2	0.10	< 0.3	5	9	11	2.03	< 10	1	0.03	< 10	0.09	170
11350N 11925E	201 202	< 5	< 0.2	1.14	< 2	40	< 0.5	< 2	0.17	< 0.3	4	8	9	1.71	< 10	< 1	0.03	< 10	0.09	170
11350N 11975E	201 202	< 5	0.2	1.77	< 2	40	< 0.5	< 2	0.14	< 0.3	5	9	11	3.07	< 10	2	0.03	< 10	0.12	115
11350N 12025E	201 202	< 5	< 0.2	2.23	< 2	60	< 0.5	< 2	0.35	< 0.3	6	9	11	1.96	< 10	1	0.03	< 10	0.11	115
11350N 12075E	201 202	< 5	< 0.2	2.30	< 2	60	< 0.5	< 2	0.11	< 0.3	6	8	10	1.88	< 10	< 1	0.03	< 10	0.14	285
11450N 9675E	201 202	< 5	< 0.2	1.88	< 2	50	< 0.5	< 2	0.24	< 0.3	5	9	16	1.94	< 10	3	0.05	< 10	0.14	660
11450N 9725E	201 202	< 5	< 0.2	1.87	2	110	< 0.5	< 2	0.20	< 0.3	6	11	22	2.03	< 10	1	0.05	< 10	0.14	260
11450N 9775E	201 202	< 5	< 0.2	1.78	< 2	80	< 0.5	< 2	0.18	< 0.3	5	8	20	1.75	< 10	2	0.05	< 10	0.19	725
11450N 9825E	201 202	< 5	0.2	1.82	2	130	< 0.5	< 2	0.35	< 0.3	9	13	50	2.09	< 10	< 1	0.06	< 10	0.19	725
11450N 9875E	201 202	< 5	0.2	2.38	< 2	90	< 0.5	< 2	0.43	< 0.3	13	32	108	3.76	< 10	< 1	0.10	< 10	0.45	575
11450N 9925E	201 202	< 5	0.2	2.61	< 2	90	< 0.5	< 2	0.33	< 0.3	9	11	203	2.33	< 10	< 1	0.09	< 10	0.19	515
11450N 9975E	201 202	< 5	0.2	1.49	< 2	70	< 0.5	< 2	0.53	< 0.3	11	21	50	2.75	< 10	5	0.07	< 10	0.34	470
11450N 10025E	201 202	< 5	< 0.2	1.60	2	70	< 0.5	< 2	0.44	< 0.3	9	18	49	3.33	< 10	< 1	0.07	< 10	0.29	450
11450N 10075E	201 202	< 5	0.2	3.31	< 2	120	< 0.5	< 2	0.25	< 0.3	11	17	71	3.28	< 10	1	0.05	< 10	0.25	625
11450N 10125E	201 202	< 5	0.2	3.37	8	50	< 0.5	< 2	0.58	< 0.3	13	15	373	4.35	< 10	< 1	0.12	< 10	0.54	405
11450N 10175E	201 202	< 5	0.2	1.37	< 2	50	< 0.5	< 2	0.28	< 0.3	7	14	58	3.07	< 10	< 1	0.05	< 10	0.12	528
11450N 10225E	201 202	< 5	0.2	1.23	< 2	70	< 0.5	< 2	0.69	0.5	13	11	83	2.61	< 10	3	0.10	< 10	0.27	1805

CERTIFICATION: *Heidi Beckler*



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To: GEOTEC CONSULTANTS LTD.
 6978 LABURNUM ST.
 VANCOUVER, BC
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 Account: LOY

Project: TAS
 Comments: ATTN: L.W. SALEKEN CC: GRANT CROOKER

CERTIFICATE OF ANALYSIS A9633000

SAMPLE	PREP CODE	No ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
11350N 10725E	201 202	1	0.02	10	700	8	< 2	1	19	0.10	< 10	< 10	50	< 10	142
11350N 10775E	201 202	< 1	0.01	12	1450	6	< 2	1	19	0.09	< 10	< 10	48	< 10	200
11350N 10825E	201 202	1	0.02	7	1040	2	< 2	1	11	0.09	< 10	< 10	39	< 10	118
11350N 10875E	201 202	1	0.01	10	850	8	< 2	5	46	0.10	< 10	< 10	91	< 10	102
11350N 10925E	201 202	< 1	0.02	10	1240	2	< 2	1	24	0.07	< 10	< 10	40	< 10	134
11350N 10975E	201 202	< 1	0.01	9	950	4	< 2	1	24	0.08	< 10	< 10	40	< 10	76
11350N 11025E	201 202	< 1	0.02	6	210	4	< 2	2	32	0.09	< 10	< 10	69	< 10	56
11350N 11075E	201 202	< 1	0.02	8	1930	4	< 2	1	9	0.08	< 10	< 10	39	< 10	64
11350N 11125E	201 202	< 1	0.01	8	480	8	< 2	2	33	0.10	< 10	< 10	35	< 10	44
11350N 11175E	201 202	< 1	0.01	7	1390	2	< 2	1	19	0.09	< 10	< 10	50	< 10	44
11350N 11225E	201 202	< 1	0.01	8	1000	2	< 2	3	32	0.11	< 10	< 10	74	< 10	48
11350N 11275E	201 202	< 1	0.01	5	890	2	< 2	2	37	0.09	< 10	< 10	68	< 10	42
11350N 11325E	201 202	< 1	0.02	7	840	6	< 2	1	23	0.08	< 10	< 10	41	< 10	26
11350N 11375E	201 202	< 1	0.02	5	260	2	< 2	3	40	0.10	< 10	< 10	48	< 10	34
11350N 11425E	201 202	< 1	0.01	5	1260	2	< 2	1	24	0.08	< 10	< 10	52	< 10	36
11350N 11475E	201 202	< 1	0.01	8	1310	2	< 2	1	20	0.08	< 10	< 10	52	< 10	34
11350N 11525E	201 202	< 1	0.01	7	890	2	< 2	1	26	0.09	< 10	< 10	52	< 10	28
11350N 11575E	201 202	< 1	0.01	7	740	2	< 2	2	32	0.09	< 10	< 10	51	< 10	30
11350N 11625E	201 202	< 1	< 0.01	6	950	2	< 2	1	29	0.08	< 10	< 10	47	< 10	36
11350N 11675E	201 202	< 1	0.01	5	1130	6	< 2	1	12	0.06	< 10	< 10	47	< 10	36
1															



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Project: TAS
 Comments: ATTN: L.W. SALEKEN CC: GRANT CROOKER

CERTIFICATE OF ANALYSIS A9633000

SAMPLE	PREP CODE	As ppb FA-AA	Ag ppm	Al %	Ar ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
11450W 10275E	201 202	< 5	< 0.2	1.38	4	60	< 0.5	< 2	0.29	< 0.5	10	13	33	3.01	< 10	< 1	0.05	< 10	0.24	165
11450W 10275E	201 202	< 5	< 0.2	2.04	< 2	170	< 0.5	< 2	0.36	< 0.5	8	13	24	2.43	< 10	< 1	0.13	< 10	0.24	855
11450W 10275E	201 202	< 5	< 0.2	2.26	< 2	110	< 0.5	< 2	0.40	< 0.5	7	11	21	2.41	< 10	< 1	0.09	< 10	0.14	925
11450W 10475E	201 202	< 5	< 0.2	1.48	< 2	90	< 0.5	< 2	0.20	< 0.5	6	7	9	1.58	< 10	< 1	0.05	< 10	0.13	585
11450W 10475E	201 202	< 5	< 0.2	2.81	< 2	140	< 0.5	< 2	0.37	< 0.5	13	12	31	2.66	< 10	< 1	0.11	< 10	0.26	1355
11450W 10525E	201 202	< 5	< 0.2	2.00	< 2	130	< 0.5	< 2	0.24	< 0.5	7	10	17	1.93	< 10	< 1	0.04	< 10	0.20	1150
11450W 10575E	201 202	< 5	< 0.2	2.04	< 2	80	< 0.5	< 2	0.31	< 0.5	7	11	41	1.98	< 10	< 1	0.05	< 10	0.21	815
11450W 10625E	201 202	< 5	< 0.2	1.68	< 2	50	< 0.5	< 2	0.22	< 0.5	5	9	11	1.45	< 10	< 1	0.03	< 10	0.14	590
11450W 10675E	201 202	< 5	< 0.2	2.43	< 2	110	< 0.5	< 2	0.19	< 0.5	5	13	16	1.74	< 10	< 1	0.04	< 10	0.20	570
11450W 10725E	201 202	< 5	< 0.2	2.96	< 2	110	< 0.5	< 2	0.25	< 0.5	7	18	40	2.25	< 10	< 1	0.05	< 10	0.28	1180
11450W 10775E	201 202	< 5	< 0.2	2.14	< 2	90	< 0.5	< 2	0.25	< 0.5	7	10	18	1.98	< 10	< 1	0.04	< 10	0.17	630
11450W 10825E	201 202	< 5	< 0.2	1.85	< 2	80	< 0.5	< 2	0.14	< 0.5	5	6	6	1.68	< 10	< 1	0.03	< 10	0.07	805
11450W 10875E	201 202	< 5	< 0.2	1.89	< 2	60	< 0.5	< 2	0.52	< 0.5	8	8	34	1.55	< 10	< 1	0.09	< 10	0.19	1280
11450W 10925E	201 202	< 5	< 0.2	1.32	< 2	80	< 0.5	< 2	0.24	< 0.5	7	9	43	1.99	< 10	< 1	0.05	< 10	0.20	780
11450W 10975E	201 202	30	0.2	1.85	< 2	60	< 0.5	< 2	0.15	< 0.5	6	8	12	1.70	< 10	< 1	0.03	< 10	0.12	580
11450W 11025E	201 202	< 5	< 0.2	1.83	< 2	50	< 0.5	< 2	0.13	< 0.5	8	6	7	1.42	< 10	< 1	0.02	< 10	0.08	295
11450W 11075E	201 202	< 5	< 0.2	2.03	< 2	60	< 0.5	< 2	0.33	< 0.5	7	11	11	2.24	< 10	< 1	0.05	< 10	0.23	265
11450W 11125E	201 202	< 5	< 0.2	0.70	< 2	80	< 0.5	< 2	3.29	< 0.5	6	5	49	1.23	< 10	< 1	0.03	< 10	0.41	950
11450W 11175E	201 202	< 5	< 0.2	1.05	< 2	90	< 0.5	< 2	0.34	< 0.5	7	11	34	2.08	< 10	< 1	0.05	< 10	0.23	260
11450W 11225E	201 202	< 5	< 0.2	0.99	< 2	30	< 0.5	< 2	0.44	< 0.5	8	13	47	2.80	< 10	< 1	0.07	< 10	0.32	290
11450W 11275E	201 202	< 5	< 0.2	1.86	< 2	70	< 0.5	< 2	0.25	< 0.5	6	10	40	2.05	< 10	< 1	0.04	< 10	0.17	210
11450W 11325E	201 202	< 5	< 0.2	1.66	< 2	80	< 0.5	< 2	0.37	< 0.5	6	10	20	2.01	< 10	< 1	0.06	< 10	0.18	575
11450W 11375E	201 202	< 5	< 0.2	1.87	< 2	110	< 0.5	< 2	0.39	< 0.5	6	11	17	1.86	< 10	< 1	0.08	< 10	0.21	335
11450W 11425E	201 202	< 5	< 0.2	1.93	< 2	70	< 0.5	< 2	0.51	< 0.5	7	12	21	2.00	< 10	< 1	0.06	< 10	0.21	465
11450W 11475E	201 202	< 5	< 0.2	1.91	< 2	60	< 0.5	< 2	0.47	< 0.5	7	14	26	2.13	< 10	< 1	0.05	< 10	0.21	340
11450W 11525E	201 202	< 5	< 0.2	1.14	< 2	70	< 0.5	< 2	0.28	< 0.5	6	10	13	1.81	< 10	< 1	0.04	< 10	0.19	605
11450W 11575E	201 202	< 5	< 0.2	1.63	< 2	60	< 0.5	< 2	0.21	< 0.5	6	9	13	1.94	< 10	< 1	0.04	< 10	0.13	305
11450W 11625E	201 202	< 5	< 0.2	1.85	< 2	50	< 0.5	< 2	0.12	< 0.5	4	8	10	1.72	< 10	< 1	0.03	< 10	0.10	245
11450W 11675E	201 202	< 5	< 0.2	1.19	< 2	40	< 0.5	< 2	0.19	< 0.5	5	9	13	1.92	< 10	< 1	0.04	< 10	0.12	135
11450W 11725E	201 202	< 5	< 0.2	2.09	< 2	60	< 0.5	< 2	0.17	< 0.5	6	9	19	2.04	< 10	< 1	0.04	< 10	0.16	125
11450W 11775E	201 202	< 5	< 0.2	2.62	< 2	100	< 0.5	< 2	0.23	< 0.5	7	13	32	2.15	< 10	< 1	0.05	< 10	0.24	640
11450W 11825E	201 202	< 5	< 0.2	1.66	< 2	60	< 0.5	< 2	0.38	< 0.5	6	14	11	2.15	< 10	< 1	0.07	< 10	0.23	790
11450W 11875E	201 202	< 5	< 0.2	2.03	< 2	78	< 0.5	< 2	0.21	< 0.5	6	10	17	2.15	< 10	< 1	0.04	< 10	0.17	660
11450W 11925E	201 202	< 5	< 0.2	2.25	< 2	80	< 0.5	< 2	0.22	< 0.5	2	7	17	1.00	< 10	< 1	0.01	< 10	0.31	45
11450W 11975E	201 202	< 5	< 0.2	2.07	< 2	68	< 0.5	< 2	0.24	< 0.5	5	10	14	2.14	< 10	< 1	0.04	< 10	0.17	525
11450W 12025E	201 202	< 5	< 0.2	2.06	< 2	40	< 0.5	< 2	0.16	< 0.5	4	8	7	1.84	< 10	< 1	0.03	< 10	0.11	155
11450W 12075E	201 202	< 5	< 0.2	2.22	< 2	70	< 0.5	< 2	0.32	< 0.5	6	11	20	2.12	< 10	< 1	0.05	< 10	0.20	310

CERTIFICATION: *Handwritten signature*



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0216

To: GEOTEC CONSULTANTS LTD.

6976 LABURNUM ST.
 VANCOUVER, BC
 V6P 5M9

Page Number: 5-B
 Total Pages: 5
 Certificate Date: 30-SEP-96
 Invoice No: 19633000
 P.O. Number:
 Account: LOY

Project: TAS
 Comments: ATTN: L.W. SALEKEN CC: GRANT CROOKER

CERTIFICATE OF ANALYSIS A9633000

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
11450W 10275E	201 202	< 1	0.01	10	1390	4	2	2	31	0.09	< 10	< 10	109	< 10	64
11450W 10325E	201 202	< 1	0.01	12	500	6	< 2	2	46	0.11	< 10	< 10	77	< 10	56
11450W 10375E	201 202	< 1	0.01	10	570	6	< 2	3	48	0.11	< 10	< 10	76	< 10	120
11450W 10425E	201 202	< 1	0.02	10	570	6	< 2	1	24	0.09	< 10	< 10	45	< 10	72
11450W 10475E	201 202	< 1	0.01	13	750	6	< 2	2	44	0.12	< 10	< 10	80	< 10	128
11450W 10525E	201 202	1	0.01	11	950	6	< 2	1	28	0.10	< 10	< 10	53	< 10	114
11450W 10575E	201 202	< 1	0.02	13	1100	6	< 2	3	44	0.09	< 10	< 10	53	< 10	90
11450W 10625E	201 202	< 1	0.03	9	1170	6	< 2	1	26	0.10	< 10	< 10	40	< 10	118
11450W 10675E	201 202	< 1	0.03	9	1170	6	< 2	1	23	0.11	< 10	< 10	41	< 10	160
11450W 10725E	201 202	1	0.02	16	1300	8	6	3	29	0.11	< 10	< 10	54	< 10	304
11450W 10775E	201 202	1	0.03	11	1210	2	6	1	27	0.10	< 10	< 10	58	< 10	176
11450W 10825E	201 202	< 1	0.02	6	1100	4	< 2	< 1	14	0.10	< 10	< 10	41	< 10	140
11450W 10875E	201 202	1	0.01	8	830	10	3	1	55	0.07	< 10	< 10	39	< 10	268
11450W 10925E	201 202	1	0.02	11	1490	6	4	2	24	0.09	< 10	< 10	54	< 10	160
11450W 10975E	201 202	1	0.03	8	1990	8	2	1	15	0.08	< 10	< 10	45	< 10	48
11450W 11025E	201 202	< 1	0.02	6	1740	2	< 2	2	18	0.07	< 10	< 10	39	< 10	44
11450W 11075E	201 202	1	0.01	10	1410	6	< 2	2	18	0.10	< 10	< 10	73	< 10	60
11450W 11125E	201 202	2	0.01	4	760	< 2	< 2	3	249	0.01	< 10	< 10	50	< 10	50
11450W 11175E	201 202	< 1	0.01	8	1560	6	< 2	2	34	0.08	< 10	< 10	56	< 10	44
11450W 11225E	201 202	< 1	0.01	5	990	< 2	2	4	55	0.09	< 10	< 10	113	< 10	34
11450W 11275E	201 202	< 1	0.01	8	1540	2	< 2	2	27	0.09	< 10	< 10	59	< 10	48
11450W 11325E	201 202	< 1	0.01	9	1420	2	< 2	2	39	0.10	< 10	< 10	58	< 10	82
11450W 11375E	201 202	< 1	0.01	13	1170	2	< 2	2	47	0.10	<				



Chemex Labs Ltd.

Analytical Chemists "Geochemists" Registered Assayers
212 Brookbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: GEOTEC CONSULTANTS LTD.

6976 LABURNUM ST.
VANCOUVER, BC
V6P 5M9

Project: TAS
Comments: ATTN: LW SALEKEN CC GRANT CROOKER

Page Number 1 A
Total Pages 5
Certificate Date 30-SEP-96
Invoice No. 19632982
P.O. Number
Account LOY

CERTIFICATE OF ANALYSIS A9632982

SAMPLE	PREP CODE	Au ppb FA-AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Cu %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
9400N 9650E	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
9400N 9700E	201 202	< 5	0.2	2.20	3	80	< 0.5	< 2	0.27	< 0.5	7	10	103	2.21	< 10	< 1	0.05	< 10	0.25	210
9400N 9750E	201 202	< 5	0.2	1.54	< 2	70	< 0.5	< 2	0.62	2.0	8	8	91	1.75	< 10	< 1	0.04	< 10	0.20	470
9400N 9800E	201 202	< 5	0.2	1.07	< 2	50	< 0.5	< 2	0.53	< 0.5	6	7	37	1.66	< 10	< 1	0.04	< 10	0.33	130
9400N 9850E	201 202	< 5	0.2	1.52	< 2	50	< 0.5	< 2	0.45	< 0.5	6	11	55	2.31	< 10	< 1	0.03	< 10	0.23	235
9400N 9900E	201 202	< 5	0.2	2.29	< 2	80	< 0.5	< 2	0.43	< 0.5	5	9	103	1.85	< 10	< 1	0.04	< 10	0.19	350
9400N 9950E	201 202	< 5	0.2	1.83	< 2	70	< 0.5	< 2	0.23	< 0.5	7	10	44	2.09	< 10	< 1	0.03	< 10	0.19	310
9500N 9725E	201 202	< 5	0.4	1.70	< 2	50	< 0.5	< 2	0.16	< 0.5	5	6	57	1.66	< 10	< 1	0.03	< 10	0.13	135
9500N 9775E	201 202	< 5	0.8	3.24	2	100	< 0.5	< 2	0.59	< 0.5	7	15	150	3.02	< 10	< 1	0.05	< 10	0.32	630
9500N 9825E	201 202	< 5	0.2	1.60	2	60	< 0.5	< 2	0.27	< 0.5	6	10	45	2.91	< 10	< 1	0.03	< 10	0.13	140
9500N 9875E	201 202	< 5	0.2	1.14	2	40	< 0.5	< 2	0.26	< 0.5	5	10	52	1.65	< 10	< 1	0.03	< 10	0.17	90
9500N 9925E	201 202	< 5	0.4	2.00	< 2	110	< 0.5	< 2	0.26	< 0.5	7	9	95	1.87	< 10	< 1	0.03	< 10	0.17	185
9500N 9975E	201 202	< 5	0.2	2.03	< 2	70	< 0.5	< 2	0.17	< 0.5	5	9	115	1.73	< 10	< 1	0.03	< 10	0.18	250
9600N 9650E	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
10400N 9650E	201 202	< 5	0.2	1.32	2	70	< 0.5	< 2	0.20	< 0.5	5	7	7	1.43	< 10	< 1	0.04	< 10	0.07	495
10400N 9700E	201 202	< 5	0.2	1.65	2	70	< 0.5	< 2	0.26	< 0.5	7	10	19	1.89	< 10	< 1	0.06	< 10	0.24	375
10400N 9750E	201 202	< 5	0.2	1.72	4	80	< 0.5	< 2	0.52	< 0.5	11	21	67	3.11	< 10	< 1	0.12	< 10	0.37	235
10400N 9800E	201 202	< 5	0.2	2.95	4	280	< 0.5	< 2	0.47	< 0.5	13	19	84	2.88	< 10	< 1	0.10	< 10	0.41	365
10400N 9850E	201 202	< 5	0.2	1.62	6	110	< 0.5	< 2	0.42	< 0.5	9	14	70	2.09	< 10	< 1	0.09	< 10	0.23	750
10400N 9900E	201 202	< 5	0.2	1.78	2	360	< 0.5	< 2	0.39	< 0.5	5	10	12	1.64	< 10	< 1	0.07	< 10	0.14	180
10400N 9950E	201 202	< 5	0.2	1.15	2	120	< 0.5	< 2	0.23	< 0.5	5	9	12	1.53	< 10	< 1	0.06	< 10	0.13	1065
10400N 10000E	201 202	< 5	0.2	1.37	2	140	< 0.5	< 2	0.31	< 0.5	7	13	28	1.93	< 10	< 1	0.08	< 10	0.20	935
10400N 10050E	201 202	< 5	0.2	1.46	2	150	< 0.5	< 2	0.27	< 0.5	5	6	13	1.67	< 10	< 1	0.07	< 10	0.15	585
10400N 10100E	201 202	< 5	0.2	2.36	2	230	< 0.5	< 2	0.31	< 0.5	7	10	12	1.99	< 10	< 1	0.07	< 10	0.26	1225
10400N 10150E	201 202	< 5	0.2	1.46	< 2	160	< 0.5	< 2	0.33	< 0.5	4	7	8	1.49	< 10	< 1	0.05	< 10	0.13	780
10400N 10200E	201 202	< 5	0.2	1.27	< 2	100	< 0.5	< 2	0.19	< 0.5	5	11	16	1.86	< 10	< 1	0.06	< 10	0.12	560
10400N 10250E	201 202	< 5	0.2	1.76	< 2	190	< 0.5	< 2	0.33	< 0.5	7	7	22	1.73	< 10	< 1	0.05	< 10	0.13	1900
10400N 10300E	201 202	< 5	0.2	1.71	2	150	< 0.5	< 2	0.26	< 0.5	6	8	21	1.76	< 10	< 1	0.06	< 10	0.14	1630
10400N 10350E	201 202	< 5	0.2	1.47	< 2	80	< 0.5	< 2	0.25	< 0.5	5	7	15	1.35	< 10	< 1	0.04	< 10	0.11	615
10400N 10400E	201 202	< 5	0.2	1.59	2	100	< 0.5	< 2	0.25	< 0.5	4	9	13	1.63	< 10	< 1	0.04	< 10	0.13	180
10400N 10450E	201 202	< 5	0.2	1.25	< 2	100	< 0.5	< 2	0.15	< 0.5	5	7	7	1.47	< 10	< 1	0.03	< 10	0.10	1250
10400N 10500E	201 202	< 5	0.2	1.35	< 2	200	< 0.5	< 2	0.20	< 0.5	6	8	11	1.73	< 10	< 1	0.08	< 10	0.13	1185
10400N 10550E	201 202	< 5	0.2	1.83	2	120	< 0.5	< 2	0.34	< 0.5	5	9	10	2.04	< 10	< 1	0.04	< 10	0.18	400
10400N 10600E	201 202	< 5	0.2	2.22	2	150	< 0.5	< 2	0.27	< 0.5	6	10	14	1.84	< 10	< 1	0.05	< 10	0.18	330
10400N 10650E	201 202	< 5	0.2	1.94	< 2	120	< 0.5	< 2	0.25	< 0.5	6	10	17	1.77	< 10	< 1	0.05	< 10	0.18	300
10400N 10700E	201 202	< 5	0.2	1.78	2	90	< 0.5	< 2	0.20	< 0.5	6	10	20	2.02	< 10	< 1	0.04	< 10	0.20	735
10400N 10750E	201 202	< 5	0.2	2.01	< 2	90	< 0.5	< 2	0.21	< 0.5	5	8	12	1.94	< 10	< 1	0.04	< 10	0.15	325
10400N 10800E	201 202	< 5	0.2	1.93	2	100	< 0.5	< 2	0.23	< 0.5	5	8	10	1.68	< 10	< 1	0.04	< 10	0.16	465
10400N 10850E	201 202	< 5	0.2	1.84	2	130	< 0.5	< 2	0.25	< 0.5	6	9	19	1.88	< 10	< 1	0.05	< 10	0.17	575
10400N 10900E	201 202	< 5	0.2	1.83	2	90	< 0.5	< 2	0.23	< 0.5	4	7	5	1.47	< 10	< 1	0.04	< 10	0.07	915

CERTIFICATION: *Hart Bickler*



Chemex Labs Ltd.

Analytical Chemists "Geochemists" Registered Assayers
212 Brookbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: GEOTEC CONSULTANTS LTD.

6976 LABURNUM ST.
VANCOUVER, BC
V6P 5M9

Project: TAS
Comments: ATTN: LW SALEKEN CC GRANT CROOKER

Page Number 1-B
Total Pages 5
Certificate Date 30-SEP-96
Invoice No. 19632982
P.O. Number
Account LOY

CERTIFICATE OF ANALYSIS A9632982

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	V ppm	U ppm	W ppm	Zn ppm	
9400N 9650E	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	
9400N 9700E	201 202	< 1	0.01	8	470	6	< 2	2	28	0.11	< 10	< 10	55	< 10	404
9400N 9750E	201 202	< 1	0.01	7	270	8	< 2	2	37	0.08	< 10	< 10	42	< 10	652
9400N 9800E	201 202	< 1	0.01	3	300	6	< 2	3	58	0.11	< 10	< 10	30	< 10	88
9400N 9850E	201 202	< 1	0.01	6	320	6	< 2	3	46	0.12	< 10	< 10	67	< 10	108
9400N 9900E	201 202	< 1	0.01	7	330	6	< 2	2	31	0.11	< 10	< 10	48	< 10	38
9400N 9950E	201 202	< 1	0.01	6	1120	8	< 2	2	28	0.11	< 10	< 10	59	< 10	58
9500N 9725E	201 202	< 1	0.01	5	1300	8	< 2	1	17	0.09	< 10	< 10	42	< 10	48
9500N 9775E	201 202	< 1	0.01	12	310	8	< 2	6	46	0.10	< 10	< 10	60	< 10	74
9500N 9825E	201 202	< 1	0.01	7	1430	6	< 2	2	30	0.08	< 10	< 10	62	< 10	34
9500N 9875E	201 202	< 1	0.01	5	320	4	< 2	3	37	0.09	< 10	< 10	54	< 10	26
9500N 9925E	201 202	< 1	0.01	11	700	8	< 2	1	26	0.11	< 10	< 10	48	< 10	76
9500N 9975E	201 202	< 1	0.01	8	450	6	< 2	2	27	0.11	< 10	< 10	42	< 10	48
9600N 9650E	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	
10400N 9650E	201 202	< 1	0.01	5	1530	2	< 2	1	18	0.08	< 10	< 10	38	< 10	28
10400N 9700E	201 202	< 1	0.01	11	1270	4	< 2	2	24	0.09	< 10	< 10	53	< 10	40
10400N 9750E	201 202	< 1	0.01	11	700	6	< 2	6	58	0.12	< 10	< 10	103	< 10	60
10400N 9800E	201 202	< 1	0.01	21	1690	6	< 2	4	54	0.13	< 10	< 10	75	< 10	83
10400N 9850E	201 202	< 1	0.01	11	740	8	< 2	3	40	0.10	< 10	< 10	59	< 10	84
10400N 9900E	201 202	< 1	0.01	8	520	12	< 2	2	41	0.10	< 10	< 10	49	< 10	328
10400N 9950E	201 202	< 1	0.01	8	470	8	< 2	1	21	0.08	< 10	< 10	42	< 10	198
10400N 10000E	201 202	< 1	0.01	10	740	6	< 2	2	34	0.08	<				



Chemex Labs Ltd.

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CERTIFICATE OF ANALYSIS A9632982

SAMPLE	PREP CODE	Au ppb FA-AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Cd %	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Bg ppm	K %	La ppm	Mg %	Mn ppm	
10400N 10950E	201 202	< 5	0.2	1.67	2	70	< 0.5	< 2	0.16	< 0.5	5	9	13	1.41	< 10	< 1	0.03	< 10	0.13	160
10400N 11000E	201 202	< 5	0.2	1.65	< 2	80	< 0.5	< 2	0.17	< 0.5	5	9	16	1.78	< 10	< 1	0.04	< 10	0.11	330
10400N 11050E	201 202	< 5	0.2	1.60	2	70	< 0.5	< 2	0.23	< 0.5	6	10	10	2.03	< 10	< 1	0.04	< 10	0.13	450
10400N 11100E	201 202	< 5	0.2	1.45	2	80	< 0.5	< 2	0.33	< 0.5	6	11	22	2.00	< 10	< 1	0.04	< 10	0.17	265
10400N 11150E	201 202	< 5	0.2	1.94	2	80	< 0.5	< 2	0.23	< 0.5	6	13	17	2.08	< 10	< 1	0.04	< 10	0.19	440
10400N 11200E	201 202	< 5	0.2	1.38	4	70	< 0.5	< 2	0.41	< 0.5	5	13	26	2.18	< 10	< 1	0.05	< 10	0.20	190
10400N 11250E	201 202	< 5	0.2	1.11	< 2	40	< 0.5	< 2	0.37	< 0.5	4	9	15	1.48	< 10	< 1	0.04	< 10	0.17	115
10400N 11300E	201 202	< 5	0.2	1.29	4	60	< 0.5	< 2	0.54	< 0.5	3	11	20	1.51	< 10	< 1	0.04	< 10	0.28	140
10400N 11350E	201 202	< 5	0.2	1.67	< 2	70	< 0.5	< 2	0.44	< 0.5	4	14	26	1.88	< 10	< 1	0.05	< 10	0.37	250
10400N 11400E	201 202	< 5	0.2	1.45	2	90	< 0.5	< 2	0.20	< 0.5	4	10	24	1.59	< 10	< 1	0.02	< 10	0.23	125
10400N 11450E	201 202	< 5	0.2	1.28	< 2	30	< 0.5	< 2	0.36	< 0.5	3	8	16	1.35	< 10	< 1	0.02	< 10	0.20	90
10400N 11500E	201 202	< 5	0.2	1.27	< 2	40	< 0.5	< 2	0.34	< 0.5	6	11	38	1.94	< 10	< 1	0.17	< 10	0.22	170
10400N 11550E	201 202	< 5	0.2	1.35	< 2	80	< 0.5	< 2	0.50	< 0.5	6	9	28	1.79	< 10	< 1	0.04	< 10	0.24	619
10400N 11600E	201 202	< 5	0.2	1.28	2	60	< 0.5	< 2	0.44	< 0.5	8	12	27	2.00	< 10	< 1	0.05	< 10	0.24	170
10400N 11650E	201 202	< 5	0.2	1.45	2	80	< 0.5	< 2	0.44	< 0.5	5	9	15	1.74	< 10	< 1	0.03	< 10	0.14	190
10400N 11700E	201 202	< 5	0.2	1.92	3	80	< 0.5	< 2	0.34	< 0.5	5	10	17	2.01	< 10	< 1	0.04	< 10	0.15	200
10400N 11750E	201 202	< 5	0.2	1.82	3	80	< 0.5	< 2	0.35	< 0.5	6	10	22	1.96	< 10	< 1	0.04	< 10	0.17	325
10400N 11800E	201 202	< 5	0.2	1.73	6	70	< 0.5	< 2	0.18	< 0.5	8	20	35	2.28	< 10	< 1	0.04	< 10	0.16	720
10400N 11850E	201 202	< 5	0.2	2.30	2	60	< 0.5	< 2	0.30	< 0.5	5	10	15	2.10	< 10	< 1	0.03	< 10	0.14	375
10400N 11900E	201 202	< 5	0.2	2.43	< 2	60	< 0.5	< 2	0.12	< 0.5	5	8	12	1.79	< 10	< 1	0.03	< 10	0.10	675
10400N 11950E	201 202	< 5	0.2	1.78	< 2	80	< 0.5	< 2	0.12	< 0.5	4	8	10	1.78	< 10	< 1	0.03	< 10	0.10	490
10400N 12000E	201 202	< 5	0.2	1.85	2	90	< 0.5	< 2	0.23	< 0.5	6	10	15	2.05	< 10	< 1	0.04	< 10	0.14	395
10400N 12050E	201 202	< 5	0.2	2.25	< 2	90	< 0.5	< 2	0.33	< 0.5	5	11	85	1.88	< 10	< 1	0.04	< 10	0.25	135
10400N 12100E	201 202	< 5	0.2	1.78	4	70	< 0.5	< 2	0.33	< 0.5	7	8	32	1.98	< 10	< 1	0.04	< 10	0.29	330
10500N 9675E	201 202	< 5	0.2	1.31	2	80	< 0.5	< 2	0.38	< 0.5	8	16	34	2.68	< 10	< 1	0.04	< 10	0.20	185
10500N 9725E	201 202	< 5	0.2	1.17	< 2	120	< 0.5	< 2	0.30	< 0.5	6	9	12	1.74	< 10	< 1	0.05	< 10	0.14	1610
10500N 9775E	201 202	< 5	0.2	1.80	6	140	< 0.5	< 2	0.40	< 0.5	14	18	83	3.31	< 10	< 1	0.08	< 10	0.39	970
10500N 9825E	201 202	< 5	0.2	1.68	4	150	< 0.5	< 2	0.35	< 0.5	10	12	32	2.27	< 10	< 1	0.04	< 10	0.24	880
10500N 9875E	201 202	< 5	0.2	1.71	< 2	120	< 0.5	< 2	0.16	< 0.5	6	9	19	1.83	< 10	< 1	0.05	< 10	0.13	170
10500N 9925E	201 202	< 5	0.2	2.24	< 2	100	< 0.5	< 2	0.41	< 0.5	10	19	56	2.90	< 10	< 1	0.06	< 10	0.37	450
10600N 9975E	201 202	< 5	0.2	2.18	< 2	140	< 0.5	< 2	0.34	< 0.5	8	21	29	2.48	< 10	< 1	0.07	< 10	0.20	470
10600N 9850E	201 202	< 5	0.2	2.07	6	200	< 0.5	< 2	0.37	< 0.5	5	14	32	2.27	< 10	< 1	0.07	< 10	0.26	880
10600N 9700E	201 202	< 5	0.2	2.44	4	190	< 0.5	< 2	0.23	< 0.5	7	13	29	2.12	< 10	< 1	0.08	< 10	0.22	685
10600N 9750E	201 202	< 5	0.2	1.27	< 2	170	< 0.5	< 2	0.47	< 0.5	7	12	17	1.82	< 10	< 1	0.09	< 10	0.10	1030
10600N 9800E	201 202	< 5	0.2	1.49	2	140	< 0.5	< 2	0.35	< 0.5	6	11	23	1.79	< 10	< 1	0.10	< 10	0.19	455
10600N 9850E	201 202	< 5	0.2	1.53	< 2	200	< 0.5	< 2	0.36	< 0.5	9	12	31	2.10	< 10	< 1	0.12	< 10	0.21	910
10600N 9900E	201 202	< 5	0.2	1.65	2	90	< 0.5	< 2	0.41	< 0.5	9	15	52	2.43	< 10	< 1	0.09	< 10	0.26	215
10600N 9950E	201 202	< 5	0.2	1.92	2	40	< 0.5	< 2	0.81	< 0.5	10	16	62	3.16	< 10	< 1	0.11	< 10	0.30	430
10600N 10000E	201 202	< 5	0.2	1.27	2	80	< 0.5	< 2	0.57	< 0.5	6	12	52	2.29	< 10	< 1	0.09	< 10	0.23	180
10600N 10050E	201 202	< 5	0.2	1.82	< 2	120	< 0.5	< 2	0.29	< 0.5	6	9	7	1.73	< 10	< 1	0.07	< 10	0.17	345

CERTIFICATION: _____



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
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Project: TAS
 Comments: ATTN: L.W. SALEKEN CC: GRANT CROOKER

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CERTIFICATE OF ANALYSIS A9632982

SAMPLE	PREP CODE	Mo ppm	Na %	Mi ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	V ppm	U ppm	Y ppm	Zn ppm	
10400N 10950E	201 202	< 1	0.02	6	1410	6	< 2	1	19	0.09	< 10	< 10	43	< 10	48
10400N 11000E	201 202	< 1	0.01	6	1590	6	< 2	1	18	0.09	< 10	< 10	47	< 10	58
10400N 11050E	201 202	< 1	0.01	6	2010	6	< 2	1	12	0.09	< 10	< 10	58	< 10	82
10400N 11100E	201 202	< 1	0.01	6	1110	6	< 2	3	32	0.09	< 10	< 10	68	< 10	58
10400N 11150E	201 202	< 1	0.01	7	1590	6	< 2	3	22	0.10	< 10	< 10	62	< 10	90
10400N 11200E	201 202	< 1	0.01	6	1860	6	< 2	3	38	0.09	< 10	< 10	71	< 10	62
10400N 11250E	201 202	< 1	0.01	8	360	6	< 2	3	25	0.10	< 10	< 10	48	< 10	28
10400N 11300E	201 202	< 1	0.01	6	360	6	< 2	3	48	0.14	< 10	< 10	59	< 10	28
10400N 11350E	201 202	< 1	0.01	6	500	6	< 2	3	40	0.13	< 10	< 10	63	< 10	68
10400N 11400E	201 202	< 1	0.03	6	169	6	< 2	3	25	0.11	< 10	< 10	46	< 10	72
10400N 11450E	201 202	< 1	0.02	3	130	6	< 2	1	23	0.10	< 10	< 10	39	< 10	48
10400N 11500E	201 202	< 1	0.02	6	250	6	< 2	2	21	0.09	< 10	< 10	48	< 10	104
10400N 11550E	201 202	< 1	0.02	5	730	6	< 2	2	46	0.09	< 10	< 10	54	< 10	58
10400N 11600E	201 202	< 1	0.01	5	480	6	< 2	3	38	0.10	< 10	< 10	76	< 10	38
10400N 11650E	201 202	< 1	0.01	5	1510	4	< 2	1	21	0.08	< 10	< 10	52	< 10	78
10400N 11700E	201 202	< 1	0.01	7	1250	6	< 2	2	26	0.10	< 10	< 10	58	< 10	60
10400N 11750E	201 202	< 1	0.01	6	1210	6	< 2	2	22	0.10	< 10	< 10	57	< 10	120
10400N 11800E	201 202	1	0.02	6	2260	6	< 2	2	17	0.13	< 10	< 10	60	< 10	54
10400N 11850E	201 202	< 1	0.02	6	1260	6	< 2	2	21	0.11	< 10	< 10	58	< 10	68
10400N 11900E	201 202	< 1	0.02	4	1290	6	< 2	1	13	0.10	< 10	< 10	43	< 10	64
10400N 11950E	201 202	< 1	0.02	6	1250	6	< 2	1	16	0.10	< 10	< 10	46	< 10	50
10400N 12000E	201 202	< 1	0.01	6	1210	6	< 2	1							



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To: GEOTEC CONSULTANTS LTD.

6976 LABURNUM ST.
 VANCOUVER, BC
 V6P 5M9

Page Number: 3 A
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 Account: LOY

Project: TAS
 Comments: ATTN: L.W. SALEKEN CC: GRANT CROOKER

CERTIFICATE OF ANALYSIS A9632982

SAMPLE	PREP CODE	Az	Ag	Al	Ar	Ba	Be	Bi	Ce	cd	Co	Cr	Cu	Fe	Ga	Bg	K	La	Mg	Mn
		ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
10600N 10100E	201 202	< 5	< 0.2	3.07	< 2	200	< 0.5	< 2	0.32	0.5	7	10	10	2.08	< 10	< 1	0.02	< 10	0.19	293
10600N 10150E	201 202	< 5	< 0.2	2.01	< 2	140	< 0.5	< 2	0.36	2.8	7	11	34	1.97	< 10	< 1	0.04	< 10	0.22	775
10600N 10200E	201 202	< 5	< 0.2	1.54	< 2	60	< 0.5	< 2	0.37	< 0.5	4	7	62	1.55	< 10	< 1	0.02	< 10	0.10	480
10600N 10250E	201 202	< 5	< 0.2	1.74	< 2	90	< 0.5	< 2	0.34	< 0.5	6	9	24	1.72	< 10	< 1	0.05	< 10	0.15	850
10600N 10300E	201 202	< 5	< 0.2	1.72	< 2	130	< 0.5	< 2	0.38	< 0.5	5	7	9	1.64	< 10	< 1	0.04	< 10	0.11	1380
10600N 10350E	201 202	< 5	< 0.2	1.88	< 2	100	< 0.5	< 2	0.37	< 0.5	5	7	12	1.69	< 10	< 1	0.05	< 10	0.12	580
10600N 10400E	201 202	< 5	< 0.2	2.45	< 2	140	< 0.5	< 2	0.39	< 0.5	7	10	22	1.97	< 10	< 1	0.05	< 10	0.17	605
10600N 10450E	201 202	< 5	< 0.2	2.00	< 2	160	< 0.5	< 2	0.14	< 0.5	4	7	11	1.67	< 10	< 1	0.04	< 10	0.12	1513
10600N 10500E	201 202	< 5	< 0.2	2.05	< 2	120	< 0.5	< 2	0.33	< 0.5	5	8	11	1.84	< 10	< 1	0.05	< 10	0.13	900
10600N 10550E	201 202	< 5	< 0.2	2.50	< 2	100	< 0.5	< 2	0.23	< 0.5	4	9	14	1.87	< 10	< 1	0.03	< 10	0.13	150
10600N 10600E	201 202	< 5	< 0.2	2.17	< 2	100	< 0.5	< 2	0.17	< 0.5	6	9	12	2.15	< 10	< 1	0.03	< 10	0.15	595
10600N 10650E	201 202	< 5	< 0.2	2.13	< 2	70	< 0.5	< 2	0.79	< 0.5	10	11	47	3.53	< 10	< 1	0.05	< 10	0.55	470
10600N 10700E	201 202	< 5	< 0.2	1.26	< 2	90	< 0.5	< 2	0.16	< 0.5	8	8	7	1.62	< 10	< 1	0.03	< 10	0.08	125
10600N 10750E	201 202	< 5	< 0.2	2.28	< 2	110	< 0.5	< 2	0.23	< 0.5	6	9	16	1.95	< 10	< 1	0.05	< 10	0.15	1025
10600N 10800E	201 202	< 5	< 0.2	1.99	< 2	100	< 0.5	< 2	0.33	< 0.5	6	9	24	1.61	< 10	< 1	0.05	< 10	0.18	520
10600N 10850E	201 202	< 5	< 0.2	1.49	< 2	110	< 0.5	< 2	0.26	< 0.5	6	10	12	1.79	< 10	< 1	0.05	< 10	0.15	535
10600N 10900E	201 202	< 5	< 0.2	1.96	< 2	70	< 0.5	< 2	0.20	< 0.5	6	20	27	1.89	< 10	< 1	0.04	< 10	0.17	200
10600N 10950E	201 202	< 5	< 0.2	1.57	< 2	80	< 0.5	< 2	0.44	< 0.5	7	10	21	1.69	< 10	< 1	0.04	< 10	0.19	145
10600N 11000E	201 202	< 5	< 0.2	2.12	< 2	90	< 0.5	< 2	0.34	< 0.5	6	11	23	2.06	< 10	< 1	0.05	< 10	0.21	335
10600N 11050E	201 202	< 5	< 0.2	2.99	< 2	120	< 0.5	< 2	0.30	< 0.5	7	13	25	3.18	< 10	< 1	0.05	< 10	0.23	480
10600N 11100E	201 202	< 5	< 0.2	1.85	< 2	90	< 0.5	< 2	0.16	< 0.5	6	9	16	1.50	< 10	< 1	0.04	< 10	0.15	200
10600N 11150E	201 202	< 5	< 0.2	1.79	< 2	100	< 0.5	< 2	0.23	< 0.5	6	10	19	1.82	< 10	< 1	0.05	< 10	0.17	475
10600N 11200E	201 202	< 5	< 0.2	1.83	< 2	70	< 0.5	< 2	0.25	< 0.5	6	10	25	1.95	< 10	< 1	0.04	< 10	0.21	425
10600N 11250E	201 202	< 5	< 0.2	1.73	< 2	70	< 0.5	< 2	0.18	< 0.5	5	8	16	1.71	< 10	< 1	0.03	< 10	0.14	505
10600N 11300E	201 202	< 5	< 0.2	2.31	< 2	100	< 0.5	< 2	0.08	< 0.5	3	9	15	1.44	< 10	< 1	0.02	< 10	0.08	100
10600N 11350E	201 202	< 5	< 0.2	2.33	< 2	80	< 0.5	< 2	0.23	< 0.5	7	14	29	2.49	< 10	< 1	0.04	< 10	0.26	170
10600N 11400E	201 202	< 5	< 0.2	1.70	< 2	70	< 0.5	< 2	0.26	< 0.5	6	11	18	2.07	< 10	< 1	0.04	< 10	0.16	333
10600N 11450E	201 202	< 5	< 0.2	2.20	< 2	80	< 0.5	< 2	0.16	< 0.5	6	11	22	2.17	< 10	< 1	0.03	< 10	0.15	375
10600N 11500E	201 202	< 5	< 0.2	1.19	< 2	90	< 0.5	< 2	0.27	< 0.5	4	8	15	1.36	< 10	< 1	0.03	< 10	0.17	145
10600N 11550E	201 202	< 5	< 0.2	1.37	< 2	70	< 0.5	< 2	0.20	< 0.5	4	9	18	1.56	< 10	< 1	0.03	< 10	0.16	90
10600N 11600E	201 202	< 5	< 0.2	1.24	< 2	70	< 0.5	< 2	0.15	< 0.5	3	6	11	1.13	< 10	< 1	0.01	< 10	0.10	55
10600N 11650E	201 202	< 5	< 0.2	1.46	< 2	70	< 0.5	< 2	0.30	< 0.5	5	10	25	1.96	< 10	< 1	0.05	< 10	0.17	160
10600N 11700E	201 202	< 5	< 0.2	2.26	< 2	100	< 0.5	< 2	0.17	< 0.5	5	10	28	1.97	< 10	< 1	0.03	< 10	0.13	100
10600N 11750E	201 202	< 5	< 0.2	1.83	< 2	90	< 0.5	< 2	0.31	< 0.5	5	12	27	2.23	< 10	< 1	0.04	< 10	0.18	180
10600N 11800E	201 202	< 5	< 0.2	1.69	< 2	60	< 0.5	< 2	0.31	< 0.5	6	11	24	1.90	< 10	< 1	0.03	< 10	0.18	325
10600N 11850E	201 202	< 5	< 0.2	2.28	< 2	60	< 0.5	< 2	0.32	< 0.5	6	14	35	2.43	< 10	< 1	0.03	< 10	0.24	220
10600N 11900E	201 202	< 5	< 0.2	1.73	< 2	60	< 0.5	< 2	0.27	< 0.5	5	11	21	2.10	< 10	< 1	0.03	< 10	0.16	245
10600N 11950E	201 202	< 5	< 0.2	2.14	< 2	70	< 0.5	< 2	0.17	< 0.5	5	9	17	1.84	< 10	< 1	0.03	< 10	0.13	230
10600N 12000E	201 202	< 5	< 0.2	2.12	< 2	60	< 0.5	< 2	0.17	< 0.5	5	20	26	2.03	< 10	< 1	0.03	< 10	0.12	365
10600N 12050E	201 202	< 5	< 0.2	1.94	< 2	80	< 0.5	< 2	0.10	< 0.5	4	8	9	1.67	< 10	< 1	0.02	< 10	0.08	485

CERTIFICATION:



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To: GEOTEC CONSULTANTS LTD.

6976 LABURNUM ST.
 VANCOUVER, BC
 V6P 5M9

Page Number: 3-B
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 Account: LOY

Project: TAS
 Comments: ATTN: L.W. SALEKEN CC: GRANT CROOKER

CERTIFICATE OF ANALYSIS A9632982

SAMPLE	PREP CODE	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
10600N 10100E	201 202	< 1	0.01	8	540	6	< 2	1	24	0.09	< 10	< 10	51	< 10	174
10600N 10150E	201 202	< 1	0.01	7	400	10	< 2	1	38	0.10	< 10	< 10	49	< 10	240
10600N 10200E	201 202	< 1	0.03	7	130	6	< 2	3	20	0.06	< 10	< 10	32	< 10	86
10600N 10250E	201 202	< 1	0.01	9	740	8	< 2	1	30	0.06	< 10	< 10	44	< 10	142
10600N 10300E	201 202	< 1	0.02	7	440	6	< 2	1	31	0.09	< 10	< 10	40	< 10	204
10600N 10350E	201 202	< 1	0.02	7	800	6	< 2	1	17	0.08	< 10	< 10	40	< 10	142
10600N 10400E	201 202	< 1	0.02	10	1060	2	< 2	3	19	0.10	< 10	< 10	49	< 10	142
10600N 10450E	201 202	< 1	0.01	6	1280	4	< 2	1	14	0.08	< 10	< 10	35	< 10	140
10600N 10500E	201 202	< 1	0.01	6	1300	4	< 2	1	18	0.08	< 10	< 10	44	< 10	94
10600N 10550E	201 202	< 1	0.02	6	1910	6	< 2	3	27	0.08	< 10	< 10	34	< 10	98
10600N 10600E	201 202	< 1	0.01	7	1880	4	< 2	2	16	0.09	< 10	< 10	47	< 10	110
10600N 10650E	201 202	< 1	0.01	6	1250	6	< 2	6	42	0.09	< 10	< 10	73	< 10	66
10600N 10700E	201 202	< 1	0.01	8	2430	4	< 2	3	17	0.07	< 10	< 10	39	< 10	64
10600N 10750E	201 202	< 1	0.01	6	1470	8	< 2	1	21	0.09	< 10	< 10	43	< 10	104
10600N 10800E	201 202	< 1	0.01	7	740	6	< 2	1	31	0.09	< 10	< 10	44	< 10	74
10600N 10850E	201 202	< 1	0.01	7	1390	4	< 2	1	36	0.08	< 10	< 10	47	< 10	74
10600N 10900E	201 202	< 1	0.02	9	1250	4	< 2	2	32	0.09	< 10	< 10	4		



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 Account LOY

Project: TAS
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CERTIFICATE OF ANALYSIS A9632982

SAMPLE	PREP CODE	Au ppb FA-AA	Ag ppm	Al %	As ppm	Ba ppm	Ba ppm	Bi ppm	Cd %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Ni ppm	
10600N 12100E	201 202	< 5	< 0.2	1.91	6	90	< 0.5	< 2	0.16	< 0.5	4	9	16	1.80	< 10	< 1	0.03	< 10	0.12	140		
10700N 9675E	201 202	< 5	< 0.2	2.04	2	100	< 0.5	< 3	0.18	< 0.5	7	10	22	1.80	< 10	< 1	0.06	< 10	0.15	320		
10700N 9725E	201 202	< 5	< 0.2	1.42	2	140	< 0.5	< 3	0.30	< 0.5	0	19	41	2.40	< 10	< 1	0.05	< 10	0.32	570		
10700N 9775E	201 202	< 5	< 0.2	1.93	2	160	< 0.5	< 3	0.33	< 0.5	7	14	39	3.15	< 10	< 1	0.08	< 10	0.23	390		
10700N 9825E	201 202	< 5	< 0.2	1.81	2	120	< 0.5	< 3	0.47	< 0.5	8	15	39	3.18	< 10	< 1	0.06	< 10	0.23	285		
10700N 9875E	201 202	< 5	< 0.2	1.42	< 2	100	< 0.5	< 3	0.33	< 0.5	6	13	18	1.85	< 10	< 1	0.08	< 10	0.17	235		
10700N 9925E	201 202	< 5	< 0.2	1.63	< 2	130	< 0.5	< 3	0.47	< 0.5	11	18	44	2.47	< 10	< 1	0.07	< 10	0.27	460		
10700N 9975E	201 202	< 5	< 0.2	2.02	6	110	< 0.5	< 2	0.46	< 0.5	8	15	49	2.86	< 10	< 1	0.11	< 10	0.27	390		
10800N 9650E	201 202	< 5	< 0.2	1.55	6	70	< 0.5	< 2	0.49	< 0.5	8	19	36	3.09	< 10	< 1	0.09	< 10	0.31	235		
10800N 9700E	201 202	< 5	< 0.2	1.57	2	90	< 0.5	< 2	0.43	< 0.5	7	15	24	2.25	< 10	< 1	0.09	< 10	0.27	595		
10800N 9750E	201 202	< 5	< 0.2	1.74	2	190	< 0.5	< 2	0.48	< 0.5	8	16	42	3.54	< 10	< 1	0.12	< 10	0.24	1065		
10800N 9800E	201 202	< 5	< 0.2	1.45	< 2	120	< 0.5	< 2	0.45	< 0.5	7	13	31	2.37	< 10	< 1	0.10	< 10	0.18	725		
10800N 9850E	201 202	< 5	< 0.2	1.11	2	120	< 0.5	< 2	0.39	< 0.5	9	22	48	3.21	< 20	< 2	0.09	< 10	0.26	765		
10800N 9900E	201 202	< 5	< 0.2	1.76	6	120	< 0.5	< 2	0.39	< 0.5	11	16	44	3.00	< 10	< 1	0.12	< 10	0.22	470		
10800N 9950E	201 202	< 5	< 0.2	1.61	4	110	< 0.5	< 2	0.70	< 0.5	13	17	49	2.42	< 10	< 1	0.10	< 10	0.25	620		
10900N 9675E	201 202	< 5	< 0.2	1.52	4	50	< 0.5	< 2	0.48	< 0.5	7	14	76	3.29	< 10	< 1	0.06	< 10	0.25	360		
10900N 9725E	201 202	< 5	< 0.2	1.70	2	90	< 0.5	< 2	0.43	< 0.5	7	13	16	2.24	< 10	< 1	0.08	< 10	0.23	285		
10900N 9775E	201 202	< 5	< 0.2	2.42	4	110	< 0.5	< 2	0.56	< 0.5	9	21	66	3.27	< 10	< 1	0.15	< 10	0.34	310		
10900N 9825E	201 202	< 5	< 0.2	2.04	2	120	< 0.5	< 2	0.41	< 0.5	7	13	35	2.27	< 10	< 1	0.12	< 10	0.25	330		
10900N 9875E	201 202	< 5	< 0.2	1.75	6	120	< 0.5	< 2	0.51	< 0.5	9	27	53	3.69	< 10	< 1	0.17	< 10	0.31	545		
10900N 9925E (A)	201 202	< 5	< 0.2	1.95	6	150	< 0.5	< 2	0.48	< 0.5	9	17	41	2.68	< 10	< 1	0.15	< 10	0.23	465		
10900N 9925E (B)	201 202	< 5	< 0.2	1.47	2	90	< 0.5	< 2	0.99	< 0.5	9	15	46	2.23	< 10	< 1	0.12	< 10	0.26	445		
11050N 9775E	201 202	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	
11050N 9775E	201 202	< 5	< 0.2	1.58	6	130	< 0.5	< 2	0.30	< 0.5	7	10	20	1.77	< 10	< 1	0.08	< 10	0.17	530		
11050N 9775E	201 202	< 5	< 0.2	1.41	2	120	< 0.5	< 2	0.62	< 0.5	8	12	23	2.34	< 10	< 1	0.11	< 10	0.26	975		
11050N 9775E	201 202	< 5	< 0.2	1.74	2	160	< 0.5	< 3	0.39	< 0.5	6	20	43	2.35	< 10	< 1	0.11	< 10	0.23	770		
11050N 9825E	201 202	< 5	< 0.2	0.85	< 2	50	< 0.5	< 2	0.33	< 0.5	4	9	29	1.18	< 10	< 1	0.07	< 10	0.12	150		
11050N 9875E	201 202	< 5	< 0.2	2.38	8	190	< 0.5	< 3	0.54	< 0.5	11	42	97	2.96	< 10	< 1	0.15	< 10	0.49	1000		
11050N 9925E	201 202	< 5	< 0.2	1.65	< 2	130	< 0.5	< 3	0.35	< 0.5	7	28	32	2.18	< 10	< 2	0.14	< 10	0.28	410		
11050N 9975E	201 202	< 5	< 0.4	2.50	6	160	< 0.5	< 3	0.34	< 0.5	36	26	278	3.19	< 10	< 1	0.07	< 10	0.37	795		
11050N 10025E	201 202	< 5	< 0.2	2.39	4	150	< 0.5	< 3	0.32	< 0.5	17	35	90	3.04	< 10	< 1	0.10	< 10	0.51	710		
11050N 10075E	201 202	< 5	< 0.2	2.44	8	220	< 0.5	< 3	0.43	< 0.5	10	16	49	2.46	< 10	< 1	0.07	< 10	0.23	1195		
11050N 10125E	201 202	< 5	< 0.2	1.84	2	80	< 0.5	< 3	0.35	< 0.5	7	13	38	1.94	< 10	< 1	0.04	< 10	0.22	500		
11050N 10175E	201 202	< 5	< 0.2	2.68	6	130	< 0.5	< 3	0.26	< 0.5	9	15	44	2.76	< 10	< 3	0.05	< 10	0.23	415		
11050N 10225E	201 202	< 5	< 0.2	2.29	10	170	< 0.5	< 3	0.29	< 0.5	8	14	36	2.59	< 10	< 1	0.07	< 10	0.31	480		
11050N 10275E	201 202	< 5	< 0.2	1.82	8	140	< 0.5	< 2	0.33	< 0.5	10	13	38	2.23	< 10	< 1	0.06	< 10	0.18	1035		
11050N 10325E	201 202	< 5	< 0.2	1.57	6	90	< 0.5	< 2	0.36	< 0.5	9	13	39	2.35	< 10	< 1	0.05	< 10	0.18	520		
11050N 10375E	201 202	< 5	< 0.2	2.75	2	100	< 0.5	< 3	1.00	< 0.5	9	20	152	3.59	< 10	< 1	0.09	< 10	0.47	480		
11050N 10425E	201 202	< 5	< 0.2	1.36	8	100	< 0.5	< 3	0.78	< 0.5	8	15	66	2.75	< 10	< 1	0.07	< 10	0.29	470		
11050N 10475E	201 202	< 5	< 0.2	3.28	2	140	1.0	< 3	1.81	0.5	7	19	281	3.00	< 10	< 1	0.09	50	0.54	620		

CERTIFICATION: *[Signature]*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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To: GEOTEC CONSULTANTS LTD.
 6978 LABURNUM ST.
 VANCOUVER, BC
 V6P 5M9

Page Number 4 B
 Total Pages 5
 Certificate Date 30-SEP-96
 Invoice No. 19612982
 P.O. Number
 Account LOY

Project: TAS
 Comments: ATTN: L.W. SALEKEN CC: GRANT CROOKER

CERTIFICATE OF ANALYSIS A9632982

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
10600N 12100E	201 202	1	0.01	5	720	6	< 2	1	19	0.09	< 10	< 10	50	< 10	42
10700N 9675E	201 202	< 1	0.02	13	1330	4	< 2	1	19	0.09	< 10	< 10	45	< 10	54
10700N 9725E	201 202	< 1	0.01	12	630	4	< 2	3	23	0.11	< 10	< 10	65	< 10	80
10700N 9775E	201 202	< 2	0.02	10	550	6	< 2	3	34	0.11	< 10	< 10	57	< 10	104
10700N 9825E	201 202	< 1	0.01	9	720	6	< 2	3	43	0.10	< 10	< 10	63	< 10	68
10700N 9875E	201 202	< 1	0.01	7	470	6	< 2	1	10	0.10	< 10	< 10	48	< 10	50
10700N 9925E	201 202	< 1	0.01	13	1220	8	< 2	3	41	0.09	< 10	< 10	69	< 10	72
10700N 9975E	201 202	< 1	0.01	9	510	6	< 2	3	42	0.12	< 10	< 10	76	< 10	86
10800N 9650E	201 202	1	0.01	10	640	6	< 2	5	48	0.14	< 10	< 10	101	< 10	50
10800N 9700E	201 202	< 1	0.01	9	430	6	< 2	3	39	0.13	< 10	< 10	64	< 10	54
10800N 9750E	201 202	< 1	0.01	11	680	8	< 2	4	47	0.12	< 10	< 10	70	< 10	128
10800N 9800E	201 202	< 1	0.01	12	650	6	< 2	3	28	0.10	< 20	< 20	39	< 10	164
10800N 9850E	201 202	1	< 0.01	11	320	10	< 2	4	42	0.13	< 10	< 10	49	< 10	80
10800N 9900E	201 202	< 1	0.01	13	920	6	< 2	3	25	0.09	< 10	< 10	72	< 10	80
10800N 9950E	201 202	1	0.01	13	1090	8	< 2	3	51	0.08	< 10	< 10	65	< 10	98
10900N 9675E	201 202	< 1	0.01	11	260	6	< 2	4	48	0.12	< 10	< 10	68	< 10	50
10900N 9725E	201 202	< 1	0.02	12	690	6	< 2	3	46	0.11	< 10	< 10	63	< 10	114
10900N 9775E	201 202	1	< 0.01	13	540	10	< 2	5	40	0.12	< 10	< 10	58	< 10	238
10900N 9825E	201 202	< 1	0.02	10	360	8	< 2	3	42	0.11	< 1				



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To: GEOTEC CONSULTANTS LTD.
6976 LABURNUM ST.
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Total Pages 5
Certificate Date 30-SEP-95
Invoice No 19632982
P.O. Number
Account LOY

Project: TAS
Comments: ATTN: L.W. SALEKEN CC: GRANT CROOKER

CERTIFICATE OF ANALYSIS A9632982

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ce %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
11050N 10525E	201 202	< 5	< 0.2	1.42	4	50	< 0.5	< 2	0.67	< 0.5	13	21	98	3.60	< 10	< 1	0.09	< 10	0.46	415
11050N 10575E	201 202	< 5	< 0.2	1.32	2	80	< 0.5	< 2	0.28	< 0.5	5	9	16	1.76	< 10	< 1	0.05	< 10	0.15	325
11050N 10625E	201 202	< 5	< 0.2	1.50	8	100	< 0.5	< 2	0.27	< 0.5	5	9	13	1.70	< 10	< 1	0.05	< 10	0.33	590
11050N 10675E	201 202	< 5	< 0.2	1.36	< 2	90	< 0.5	< 2	0.34	< 0.5	5	10	12	1.81	< 10	< 1	0.05	< 10	0.16	380
11050N 10725E	201 202	< 5	< 0.2	1.42	< 2	90	< 0.5	< 2	0.37	< 0.5	3	10	14	1.85	< 10	< 1	0.04	< 10	0.17	310
11050N 10775E	201 202	< 5	< 0.2	1.58	2	90	< 0.5	< 2	0.19	< 0.5	4	7	11	1.44	< 10	< 1	0.04	< 10	0.10	295
11050N 10825E	201 202	< 5	< 0.2	2.08	6	130	< 0.5	< 2	0.25	< 0.5	6	13	23	2.11	< 10	< 1	0.05	< 10	0.20	715
11050N 10875E	201 202	< 5	< 0.2	1.68	2	100	< 0.5	< 2	0.22	< 0.5	5	10	20	1.93	< 10	< 1	0.05	< 10	0.15	470
11050N 10925E	201 202	< 5	< 0.2	1.68	6	90	< 0.5	< 2	0.18	< 0.5	4	7	13	1.60	< 10	< 1	0.04	< 10	0.11	535
11050N 10975E	201 202	< 5	< 0.2	2.06	6	80	< 0.5	< 2	0.26	< 0.5	4	10	47	1.82	< 10	< 1	0.04	< 10	0.20	305
11050N 11025E	201 202	< 5	< 0.2	2.18	4	100	< 0.5	< 2	0.32	< 0.5	6	11	19	2.10	< 10	< 1	0.04	< 10	0.24	510
11050N 11075E	201 202	< 5	< 0.2	2.65	4	110	< 0.5	< 2	0.24	< 0.5	5	11	40	1.96	< 10	< 1	0.05	< 10	0.20	180
11050N 11125E	201 202	< 5	< 0.2	1.49	6	110	< 0.5	< 2	0.23	< 0.5	5	9	16	1.63	< 10	< 1	0.05	< 10	0.13	2130
11050N 11175E	201 202	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
11050N 11225E	201 202	< 5	< 0.2	1.49	4	150	< 0.5	< 2	0.17	< 0.5	4	8	12	1.49	< 10	< 1	0.04	< 10	0.12	810
11050N 11275E	201 202	< 5	< 0.2	2.35	6	120	< 0.5	< 2	0.27	< 0.5	6	12	21	2.09	< 10	< 1	0.06	< 10	0.23	370
11050N 11325E	201 202	< 5	< 0.2	1.39	2	70	< 0.5	< 2	0.46	< 0.5	5	12	18	2.32	< 10	< 1	0.06	< 10	0.23	325
11050N 11375E	201 202	< 5	< 0.2	1.82	2	100	< 0.5	< 2	0.48	< 0.5	7	12	50	2.19	< 10	< 1	0.07	< 10	0.30	195
11050N 11425E	201 202	< 5	< 0.2	1.99	4	230	< 0.5	< 2	0.43	< 0.5	6	13	52	2.15	< 10	< 1	0.07	< 10	0.29	185
11050N 11475E	201 202	< 5	< 0.2	3.14	8	210	< 1.0	< 2	0.75	< 0.5	11	16	193	2.72	< 10	< 1	0.08	20	0.47	1860
11050N 11525E	201 202	< 5	< 0.2	1.38	2	70	< 0.5	< 2	0.42	< 0.5	5	10	27	1.72	< 10	< 1	0.04	< 10	0.22	235
11050N 11575E	201 202	< 5	< 0.2	2.72	6	100	< 0.5	< 2	0.19	< 0.5	7	12	32	2.22	< 10	< 1	0.04	< 10	0.16	485
11050N 11625E	201 202	< 5	< 0.2	2.48	8	100	< 0.5	< 2	0.19	< 0.5	6	11	21	2.08	< 10	< 1	0.04	< 10	0.09	115
11050N 11675E	201 202	< 5	< 0.2	1.74	2	70	< 0.5	< 2	0.14	< 0.5	3	8	14	1.48	< 10	< 1	0.03	< 10	0.10	120
11050N 11725E	201 202	< 5	< 0.2	2.16	8	60	< 0.5	< 2	0.13	< 0.5	4	9	21	1.82	< 10	< 1	0.03	< 10	0.10	120
11050N 11775E	201 202	< 5	< 0.2	1.53	2	80	< 0.5	< 2	0.26	< 0.5	4	9	19	1.56	< 10	< 1	0.03	< 10	0.15	185
11050N 11825E	201 202	< 5	< 0.2	2.74	6	270	< 0.5	< 2	0.27	< 0.5	7	16	62	2.44	< 10	< 1	0.05	< 10	0.33	485
11050N 11875E	201 202	< 5	< 0.2	2.01	6	100	< 0.5	< 2	0.17	< 0.5	5	10	10	2.07	< 10	< 1	0.03	< 10	0.18	245
11050N 11925E	201 202	< 5	< 0.2	1.78	4	280	< 0.5	< 2	0.16	< 0.5	4	9	10	1.76	< 10	< 1	0.03	< 10	0.13	260
11050N 11975E	201 202	< 5	< 0.2	2.06	2	90	< 0.5	< 2	0.21	< 0.5	6	10	19	1.92	< 10	< 1	0.04	< 10	0.18	510
11050N 12025E	201 202	< 5	< 0.2	1.67	2	130	< 0.5	< 2	0.19	< 0.5	5	10	10	1.62	< 10	< 1	0.04	< 10	0.13	1095
11050N 12075E	201 202	< 5	< 0.2	2.36	4	90	< 0.5	< 2	0.13	< 0.5	6	9	13	1.95	< 10	< 1	0.03	< 10	0.13	810

CERTIFICATION



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Comments: ATTN: L.W. SALEKEN CC: GRANT CROOKER

CERTIFICATE OF ANALYSIS A9632982

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
11050N 10525E	201 202	< 1	< 0.01	10	520	10	< 2	6	62	0.16	< 10	< 10	115	< 10	60
11050N 10575E	201 202	< 1	< 0.03	10	910	4	< 2	1	32	0.09	< 10	< 10	47	< 10	120
11050N 10625E	201 202	< 1	< 0.02	9	870	4	< 2	2	29	0.09	< 10	< 10	67	< 10	169
11050N 10675E	201 202	< 1	< 0.01	9	930	6	< 2	2	34	0.10	< 10	< 10	59	< 10	174
11050N 10725E	201 202	< 1	< 0.01	5	150	6	< 2	2	34	0.12	< 10	< 10	58	< 10	118
11050N 10775E	201 202	< 1	< 0.02	5	430	6	< 2	1	18	0.08	< 10	< 10	37	< 10	120
11050N 10825E	201 202	< 1	< 0.01	10	1320	12	< 2	3	26	0.11	< 10	< 10	59	< 10	212
11050N 10875E	201 202	< 1	< 0.01	8	900	8	< 2	3	23	0.10	< 10	< 10	51	< 10	202
11050N 10925E	201 202	< 1	< 0.03	7	1560	8	< 2	1	19	0.09	< 10	< 10	40	< 10	144
11050N 10975E	201 202	< 1	< 0.03	7	220	6	< 2	1	10	0.09	< 10	< 10	45	< 10	44
11050N 11025E	201 202	< 1	< 0.01	8	1000	6	< 2	3	32	0.12	< 10	< 10	60	< 10	92
11050N 11075E	201 202	< 1	< 0.01	10	1320	8	< 2	2	26	0.10	< 10	< 10	48	< 10	98
11050N 11125E	201 202	< 1	< 0.01	5	1380	6	< 2	1	19	0.09	< 10	< 10	45	< 10	112
11050N 11175E	201 202	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
11050N 11225E	201 202	< 1	< 0.01	6	1370	4	< 2	1	20	0.09	< 10	< 10	37	< 10	74
11050N 11275E	201 202	< 1	< 0.01	8	1010	6	< 2	3	27	0.11	< 10	< 10	59	< 10	58
11050N 11325E	201 202	< 1	< 0.01	6	1090	4	< 2	3	39	0.09	< 10	< 10	82	< 10	66
11050N 11375E	201 202	< 1	< 0.01	6	640	6	< 2	4	43	0.10	< 10	< 10	72	< 10	58
11050N 11425E	201 202	< 1	< 0.01	7	410	6	< 2	4	44	0.10	< 10	< 10	59	< 10	44
11050N 11475E	201 202	< 1	< 0.01	11	810	8	< 2	6	77	0.08	< 10	< 10	66	< 10	78
11050N 11525E	201 202	< 1	< 0.01	5	570	6	< 2	3	37	0.10	< 10	< 10	58	< 10	54
11050N 11575E	201 202	< 1	< 0.03	7	1520	6	< 2	3	21	0.10	< 10	< 10	53	< 10	60
11050N 11625E	201 202	< 1	< 0.02	9	1440	4	< 2	2	20	0.11	< 10	< 10	53	< 10	69
11050N 11675E	201 202	< 1	< 0.01	5	1730	6	< 2	1	16	0.08	< 10	< 10	35	< 10	32
11050N 11725E	201 202	< 1	< 0.03	6	2160	6	< 2	2	13	0.09	< 10	< 10	45	< 10	64
11050N 11775E	201 202	< 1	< 0.01	5	950	6	< 2	1	23	0.09	< 10	< 10	41	< 10	60
11050N 11825E	201 202	< 1	< 0.03	9	330	8	< 2	5	30	0.10	< 10	< 10	61	< 10	56
11050N 11875E	201 202	< 1	< 0.01	6	1150	6	< 2	1	14	0.10	< 10	< 10	50	< 10	76
11050N 11925E	201 202	< 1	< 0.01	6	840	6	< 2	1	14	0.09	< 10	< 10	65	< 10	64
11050N 11975E	201 202	< 1	< 0.02	8	870	6	< 2	2	19	0.11	< 10	< 10	53	< 10	114
11050N 12025E	201 202	< 1	< 0.01	8	1600	6	< 2	1	20	0.09	< 10				



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
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To: GEOTECH CONSULTANTS LTD.
 6976 LABURNUM ST.
 VANCOUVER, BC
 V6P 5M6

Page Number : 1-A
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 Certificate Date : 12-OCT-96
 Invoice No. : 19634939
 P.O. Number : 02
 Account : LOY

Project: TAS
 Comments: CC: GRANT CROOKER

CERTIFICATE OF ANALYSIS A9634939

SAMPLE	PREP CODE	As ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	
7400 10050E	201 202	< 5	0.4	2.44	3	60	0.5	2	0.47	< 0.5	9	13	43	2.74	10	< 1	0.06	< 10	0.38	450	
7400 10100E	201 202	< 5	< 0.2	2.28	2	90	< 0.5	< 3	0.43	< 0.5	8	11	48	2.59	10	< 1	0.06	< 10	0.33	663	
7400 10150E	201 202	< 5	0.2	1.95	< 2	100	< 0.5	< 2	0.50	< 0.5	7	10	37	2.09	< 10	< 1	0.05	< 10	0.25	585	
7400 10200E	201 202	< 5	< 0.2	2.39	< 2	4	100	< 0.5	< 2	0.38	< 0.5	8	11	41	2.37	< 10	< 1	0.08	< 10	0.25	1075
7400 10250E	201 202	< 5	< 0.2	1.97	< 2	80	< 0.5	< 2	0.39	< 0.5	7	11	33	2.07	< 10	< 1	0.04	< 10	0.26	740	
7400 10300E	201 202	< 5	0.2	2.02	10	40	0.5	2	1.07	< 0.5	14	24	108	3.13	10	< 1	0.09	< 10	0.48	835	
7400 10350E	201 202	< 5	< 0.2	2.05	< 2	100	< 0.5	< 2	0.28	< 0.5	6	9	13	2.05	< 10	< 1	0.04	< 10	0.18	1395	
7400 10400E	201 202	< 5	0.2	2.09	< 2	110	< 0.5	< 2	0.19	< 0.5	7	9	15	2.15	< 10	< 1	0.05	< 10	0.13	1340	
7400 10450E	201 202	< 5	< 0.2	2.04	< 2	60	< 0.5	< 2	0.13	< 0.5	5	10	10	2.10	< 10	< 1	0.03	< 10	0.12	1155	
7400 10500E	201 202	< 5	0.4	2.09	< 2	80	0.5	< 2	0.23	< 0.5	8	16	37	2.16	< 10	< 1	0.04	< 10	0.24	620	
7400 10550E	201 202	< 5	< 0.2	1.87	< 2	90	< 0.5	< 2	0.27	< 0.5	6	10	16	1.94	< 10	< 1	0.04	< 10	0.20	795	
7400 10600E	201 202	< 5	< 0.2	1.94	< 2	100	< 0.5	< 2	0.28	< 0.5	6	9	15	2.11	< 10	< 1	0.04	< 10	0.18	935	
7400 10650E	201 202	< 5	< 0.2	1.94	< 2	30	< 0.5	< 2	0.46	< 0.5	10	9	65	2.61	< 10	< 1	0.07	< 10	0.38	465	
7400 10700E	201 202	< 5	< 0.2	1.73	< 2	80	< 0.5	< 2	0.21	< 0.5	6	8	13	1.83	< 10	< 1	0.03	< 10	0.14	1820	
7400 10750E	201 202	< 5	< 0.2	2.33	< 2	50	0.5	< 2	0.71	< 0.5	18	12	123	4.00	< 10	< 1	0.06	< 10	0.44	960	
7400 10800E	201 202	< 5	0.2	2.44	3	70	0.5	< 2	0.39	< 0.5	9	10	56	2.72	10	< 1	0.05	< 10	0.42	740	
7400 10850E	201 202	< 5	0.4	2.79	< 2	70	< 0.5	< 2	0.22	< 0.5	7	9	39	2.43	< 10	< 1	0.04	< 10	0.23	1070	
7400 10900E	201 202	< 5	0.2	2.06	< 2	50	< 0.5	< 2	0.43	< 0.5	8	10	45	2.36	< 10	< 1	0.04	< 10	0.27	715	
7400 10950E	201 202	< 5	0.2	1.73	< 2	40	< 0.5	< 2	0.37	< 0.5	6	10	48	2.07	< 10	< 1	0.04	< 10	0.19	230	
7400 11000E	201 202	< 5	0.2	2.40	< 2	60	< 0.5	< 2	0.44	< 0.5	6	13	32	2.11	< 10	< 1	0.04	< 10	0.19	230	
7400 11050E	201 202	< 5	< 0.2	2.85	3	70	0.5	< 2	0.43	< 0.5	7	13	54	3.27	10	< 1	0.04	< 10	0.32	350	
7400 11100E	201 202	< 5	0.4	1.70	< 2	50	< 0.5	< 2	0.21	< 0.5	6	8	28	1.77	< 10	< 1	0.03	< 10	0.16	245	
7400 11150E	201 202	< 5	0.2	1.92	< 2	40	< 0.5	< 2	0.26	< 0.5	6	8	19	1.92	< 10	< 1	0.04	< 10	0.16	140	
7400 11200E	201 202	< 5	0.2	2.18	< 2	60	< 0.5	< 2	0.33	< 0.5	8	11	28	2.39	< 10	< 1	0.03	< 10	0.23	260	
7400 11250E	201 202	< 5	0.2	1.88	< 2	30	< 0.5	< 2	0.24	< 0.5	4	8	20	1.62	< 10	< 1	0.04	< 10	0.14	115	
7400 11300E	201 202	< 5	< 0.2	1.03	< 2	40	< 0.5	< 2	0.48	< 0.5	4	7	13	1.38	< 10	< 1	0.04	< 10	0.20	130	
7400 11350E	201 202	< 5	< 0.2	1.44	< 2	60	< 0.5	< 2	0.28	< 0.5	6	8	18	1.77	< 10	< 1	0.04	< 10	0.18	900	
7400 11400E	201 202	< 5	0.2	1.70	< 2	50	< 0.5	< 2	0.20	< 0.5	7	9	25	1.94	< 10	< 1	0.03	< 10	0.20	285	
7400 11450E	201 202	< 5	0.4	1.58	< 2	70	< 0.5	< 2	0.35	< 0.5	8	9	32	2.08	< 10	< 1	0.06	< 10	0.26	395	
7400 11500E	201 202	< 5	0.2	1.43	< 2	60	< 0.5	< 2	0.36	< 0.5	6	8	22	1.81	< 10	< 1	0.04	< 10	0.19	340	
7400 11550E	201 202	< 5	0.2	1.81	< 2	40	< 0.5	< 2	0.66	< 0.5	9	12	47	2.78	10	< 1	0.09	< 10	0.50	275	
7400 11600E	201 202	< 5	< 0.2	1.65	< 2	50	< 0.5	< 2	0.38	< 0.5	8	10	29	2.14	< 10	< 1	0.05	< 10	0.25	375	
7400 11650E	201 202	< 5	0.2	1.56	< 2	90	< 0.5	< 2	0.20	< 0.5	8	9	60	2.19	< 10	< 1	0.07	< 10	0.21	455	
7400 11700E	201 202	< 5	0.2	3.15	< 2	70	< 0.5	< 2	0.24	< 0.5	10	12	142	2.74	10	< 1	0.06	< 10	0.33	715	
7400 11750E	201 202	< 5	< 0.2	1.42	< 2	70	< 0.5	< 2	0.32	< 0.5	6	8	20	1.89	< 10	< 1	0.05	< 10	0.21	745	
7400 11800E	201 202	< 5	< 0.2	2.14	< 2	70	< 0.5	< 2	0.21	< 0.5	7	13	21	2.31	< 10	< 1	0.03	< 10	0.29	820	
7400 11850E	201 202	< 5	0.2	1.69	< 2	60	< 0.5	< 2	0.41	< 0.5	8	11	39	2.15	10	< 1	0.05	< 10	0.37	270	
7400 11900E	201 202	< 5	< 0.2	1.61	< 2	50	< 0.5	< 2	0.29	< 0.5	6	14	41	1.94	< 10	< 1	0.04	< 10	0.33	495	
7400 11950E	201 202	< 5	0.2	1.56	< 2	60	< 0.5	< 2	0.48	< 0.5	6	12	28	2.30	< 10	< 1	0.06	< 10	0.29	655	
7400 12000E	201 202	< 5	< 0.2	1.89	< 2	60	< 0.5	< 2	0.21	< 0.5	6	8	24	2.07	< 10	< 1	0.04	< 10	0.24	535	

CERTIFICATION: *Hart Buchler*



Chemex Labs Ltd.

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To: GEOTECH CONSULTANTS LTD.
 6976 LABURNUM ST.
 VANCOUVER, BC
 V6P 5M6

Page Number : 1-B
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 Certificate Date : 12-OCT-96
 Invoice No. : 19634939
 P.O. Number : 02
 Account : LOY

Project: TAS
 Comments: CC: GRANT CROOKER

CERTIFICATE OF ANALYSIS A9634939

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
7400 10050E	201 202	1	0.02	10	570	10	< 3	6	49	0.16	< 10	< 10	88	< 10	100
7400 10100E	201 202	3	0.02	8	1970	10	3	4	47	0.12	< 10	< 10	72	< 10	170
7400 10150E	201 202	1	0.03	8	1120	10	3	6	41	0.13	< 10	< 10	63	< 10	108
7400 10200E	201 202	1	0.02	7	1220	8	3	3	32	0.23	< 10	< 10	64	< 10	112
7400 10250E	201 202	1	0.02	7	820	8	< 3	3	38	0.13	< 10	< 10	61	< 10	114
7400 10300E	201 202	1	0.01	13	1060	14	3	8	90	0.16	< 10	< 10	107	< 10	104
7400 10350E	201 202	2	0.03	7	710	8	< 3	2	11	0.11	< 10	< 10	53	< 10	92
7400 10400E	201 202	4	0.02	5	1040	10	3	1	25	0.09	< 10	< 10	44	< 10	149
7400 10450E	201 202	5	0.02	6	840	8	< 2	1	15	0.12	< 10	< 10	91	< 10	156
7400 10500E	201 202	3	0.02	11	1140	6	< 2	4	25	0.07	< 10	< 10	53	< 10	142
7400 10550E	201 202	1	0.02	8	980	8	< 2	2	26	0.11	< 10	< 10	59	< 10	144
7400 10600E	201 202	1	0.02	5	890	8	< 2	2	31	0.10	< 10	< 10	50	< 10	186
7400 10650E	201 202	1	0.02	8	950	8	2	4	48	0.11	< 10	< 10	74	< 10	138
7400 10700E	201 202	1	0.03	5	1000	6	2	1	20	0.10	< 10	< 10	30	< 10	134
7400 10750E	201 202	1	0.01	8	1240	6	2	9	73	0.13	< 10	< 10	125	< 10	100
7400 10800E	201 202	3	0.02	7	1030	4	2	4	41	0.14	< 10	< 10	77	< 10	114
7400 10850E	201 202	1	0.02	6	1480	4	< 2	3	21	0.14	< 10	< 10	60	< 10	126
7400 10900E	201 202	1	0.02	5	1320	4	3	4	50	0.12	< 10	< 10	71	< 10	106
7400 10950E	201 202	1	0.02	5	480	4	2	4	59	0.14	< 10	< 10	69	< 10	84
7400 11000E	201 202	1	0.03	8	630	4	2	3	38	0.12	< 10	< 10	56	< 10	92
7400 11050E	201 202	< 1	0.02	10	550	6	< 2	3	34	0.12	< 10	< 10	58	< 10	80
74															



Chemex Labs Ltd.

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To: GEOTEC CONSULTANTS LTD.

6976 LABURNUM ST.
VANCOUVER, BC
V6P 5M8

Project: TAS
Comments: CC: GRANT CROOKER

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CERTIFICATE OF ANALYSIS A9634939

SAMPLE	PREP CODE	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Mn	Pb	K	Zn	Pg	Mo
		ppb FA-AA	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
7600N 12050E	201 202	< 5	0.2	1.80	< 2	50	< 0.5	< 2	0.24	< 0.5	7	9	28	2.27	< 10	< 1	0.03	< 10	0.28	180
7600N 12100E	201 202	< 5	0.0	1.68	< 2	40	0.5	< 2	0.69	< 0.5	3	0	42	1.31	< 10	< 1	0.03	10	0.24	245

CERTIFICATION: *Hart Bickler*



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6976 LABURNUM ST.
VANCOUVER, BC
V6P 5M8

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CERTIFICATE OF ANALYSIS A9634939

SAMPLE	PREP CODE	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
7600N 12050E	201 202	< 1	0.01	5	880	8	< 2	2	27	0.12	< 10	< 10	64	< 10	65
7600N 12100E	201 202	2	0.03	5	860	6	< 2	1	41	0.06	< 10	< 10	33	< 10	70

CERTIFICATION: *Hart Bickler*



Chemex Labs Ltd.

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To: GEOTEC CONSULTANTS LTD.

6076 LABURNUM ST.
 VANCOUVER, BC
 V6P 5M9

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 Account: LOY

Project: TAS
 Comments: CC: GRANT CROOKER ✓

CERTIFICATE OF ANALYSIS A9634940

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Cd %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
#200N-9550E	201 202	< 5	0.2	1.25	< 2	50	< 0.5	< 2	1.66	0.5	5	13	46	1.48	< 10	< 1	0.03	< 10	0.20	223
#200N-9600E	201 202	< 5	0.2	1.48	2	60	< 0.5	< 2	1.50	0.5	5	7	46	1.42	< 10	< 1	0.04	< 10	0.19	1095
#200N-9650E	201 202	< 5	0.2	1.49	4	90	< 0.5	< 2	0.22	< 0.5	9	10	10	1.85	< 10	< 1	0.03	< 10	0.18	545
#200N-9700E	201 202	< 5	< 0.2	1.80	4	50	< 0.5	< 2	0.43	< 0.5	9	14	24	2.41	< 10	< 1	0.02	< 10	0.21	223
#200N-9750E	201 202	95	< 0.2	2.18	6	130	< 0.5	< 2	0.42	0.5	11	14	27	2.74	< 10	< 1	0.06	< 10	0.43	1340
#200N-9800E	201 202	< 5	< 0.2	1.91	6	90	< 0.5	< 2	0.34	< 0.5	8	11	18	3.11	< 10	< 1	0.05	< 10	0.22	460
#200N-9850E	201 202	< 5	< 0.2	2.01	6	100	< 0.5	< 2	0.51	0.5	9	12	16	3.29	< 10	< 1	0.05	< 10	0.29	1095
#200N-9900E	201 202	< 5	0.2	1.79	4	110	< 0.5	< 2	0.43	2.0	8	12	21	3.25	< 10	< 1	0.04	< 10	0.26	785
#200N-9950E	201 202	< 5	0.2	1.92	3	80	< 0.5	< 2	0.26	< 0.5	9	12	19	2.25	< 10	< 1	0.04	< 10	0.20	1230
#300N-9550E	201 202	< 5	< 0.2	2.11	3	110	< 0.5	< 2	0.21	< 0.5	8	17	17	3.00	< 10	< 1	0.03	< 10	0.20	460
#300N-9600E	201 202	< 5	0.2	1.85	< 2	100	< 0.5	< 2	0.48	< 0.5	8	15	47	3.52	< 10	< 1	0.05	< 10	0.25	665
#300N-9650E	201 202	< 5	0.2	2.42	3	100	< 0.5	< 2	0.30	0.5	8	10	11	3.05	< 10	< 1	0.04	< 10	0.30	1240
#300N-9700E	201 202	< 5	< 0.2	1.59	6	120	< 0.5	< 2	0.23	0.5	8	10	11	3.05	< 10	< 1	0.03	< 10	0.13	910
#300N-9750E	201 202	25	0.2	1.15	3	30	< 0.5	< 2	0.80	0.3	5	8	44	1.46	< 10	< 1	0.03	< 10	0.20	460
#300N-9800E	201 202	< 5	0.2	2.53	6	70	< 0.5	< 2	0.31	< 0.5	11	14	47	3.93	< 10	< 1	0.03	< 10	0.20	460
#300N-9850E	201 202	< 5	0.2	2.46	2	80	< 0.5	< 2	0.31	0.5	17	14	12	3.19	< 10	< 1	0.04	< 10	0.23	945
#300N-9900E	201 202	< 5	0.2	1.96	10	80	< 0.5	< 2	0.27	< 0.5	11	12	14	2.56	< 10	< 1	0.04	< 10	0.26	1320
#300N-9950E	201 202	< 5	0.2	2.08	6	80	< 0.5	< 2	0.41	0.5	9	12	16	2.37	< 10	< 1	0.04	< 10	0.30	470
#600N-9600E	201 202	< 5	0.6	2.07	3	80	< 0.5	< 2	0.44	< 0.5	7	12	12	2.52	< 10	< 1	0.03	< 10	0.28	520
#600N-9650E	201 202	< 5	< 0.2	2.18	3	140	< 0.5	< 2	0.25	< 0.5	6	10	22	2.17	< 10	< 1	0.05	< 10	0.25	555
#600N-9700E	201 202	< 5	< 0.2	1.70	2	170	< 0.5	< 2	0.26	< 0.5	6	10	15	1.93	< 10	< 1	0.04	< 10	0.19	1290
#600N-9750E	201 202	< 5	< 0.2	2.03	< 2	100	< 0.5	< 2	0.42	0.5	8	13	20	2.31	< 10	< 1	0.08	< 10	0.21	600
#600N-9800E	201 202	< 5	0.6	1.43	2	130	< 0.5	< 2	0.34	< 0.5	6	10	23	1.80	< 10	< 1	0.05	< 10	0.20	840
#600N-9850E	201 202	< 5	0.6	1.82	2	110	< 0.5	< 2	0.44	< 0.5	5	9	11	1.83	< 10	< 1	0.03	< 10	0.21	670
#600N-9900E	201 202	< 5	0.6	2.16	4	90	< 0.5	< 2	0.28	0.5	8	9	23	2.22	< 10	< 1	0.03	< 10	0.21	745
#700N-9550E	201 202	< 5	0.2	1.98	6	70	< 0.5	< 2	0.31	0.5	11	10	19	3.47	< 10	< 1	0.04	< 10	0.23	735
#700N-9625E	201 202	< 5	< 0.2	1.99	4	120	< 0.5	< 2	0.24	< 0.5	8	14	17	2.37	< 10	< 1	0.04	< 10	0.23	1185
#700N-9675E	201 202	< 5	< 0.2	1.83	< 2	130	< 0.5	< 2	0.27	< 0.5	6	9	19	1.89	< 10	< 1	0.04	< 10	0.21	845
#700N-9725E	201 202	< 5	< 0.2	1.98	< 2	100	< 0.5	< 2	0.27	0.5	7	9	23	3.07	< 10	< 1	0.04	< 10	0.22	695
#700N-9775E	201 202	< 5	0.2	2.31	3	130	< 0.5	< 2	0.34	< 0.5	7	12	40	2.38	< 10	< 1	0.04	< 10	0.20	425
#700N-9825E	201 202	< 5	0.2	1.65	3	150	< 0.5	< 2	0.32	< 0.5	7	10	15	1.89	< 10	< 1	0.05	< 10	0.20	1300
#700N-9875E	201 202	< 5	0.2	1.80	4	90	< 0.5	< 2	0.26	< 0.5	8	11	16	2.22	< 10	< 1	0.04	< 10	0.26	920
#700N-9925E	201 202	< 5	0.2	2.85	6	110	< 0.5	< 2	0.45	< 0.5	11	20	17	3.12	< 10	< 1	0.05	< 10	0.40	505
#700N-9975E	201 202	< 5	0.2	2.44	6	140	< 0.5	< 2	0.35	< 0.5	10	12	43	2.73	< 10	< 1	0.05	< 10	0.42	850
#800N-9800E	201 202	< 5	< 0.2	2.38	< 2	90	< 0.5	< 2	0.24	< 0.5	7	11	29	2.43	< 10	< 1	0.03	< 10	0.23	635
#800N-9850E	201 202	< 5	0.2	1.94	2	90	< 0.5	< 2	0.34	< 0.5	8	8	20	2.17	< 10	< 1	0.03	< 10	0.20	1555
#800N-9900E	201 202	< 5	0.2	2.13	6	110	< 0.5	< 2	0.25	< 0.5	9	10	22	2.49	< 10	< 1	0.04	< 10	0.23	1300
#800N-9950E	201 202	< 5	0.2	1.87	< 2	80	< 0.5	< 2	0.27	0.5	8	11	44	2.30	< 10	< 1	0.03	< 10	0.23	265
#900N-9825E	201 202	< 5	0.2	1.59	2	80	< 0.5	< 2	0.27	0.5	8	6	20	2.00	< 10	< 1	0.03	< 10	0.22	1090
#900N-9875E	201 202	< 5	0.6	1.87	< 2	120	< 0.5	< 2	0.24	< 0.5	8	6	27	1.89	< 10	< 1	0.05	< 10	0.27	535

CERTIFICATION: *Grant Crooker*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: GEOTEC CONSULTANTS LTD.

6076 LABURNUM ST.
 VANCOUVER, BC
 V6P 5M9

Page Number: 18
 Total Pages: 12
 Certificate Date: 12-OCT-96
 Invoice No.: 19634940
 P.O. Number: 02
 Account: LOY

Project: TAS
 Comments: CC: GRANT CROOKER

CERTIFICATE OF ANALYSIS A9634940

SAMPLE	PREP CODE	Mo ppm	Ni %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
#200N-9550E	201 202	1	0.01	9	410	4	< 2	2	41	0.08	< 10	< 10	45	< 10	52
#200N-9600E	201 202	3	0.03	8	630	6	< 2	2	53	0.06	< 10	< 10	46	< 10	50
#200N-9650E	201 202	< 1	0.01	7	1660	14	< 2	2	10	0.10	< 10	< 10	48	< 10	124
#200N-9700E	201 202	1	0.01	10	490	8	< 2	4	38	0.13	< 10	< 10	70	< 10	78
#200N-9750E	201 202	1	0.01	13	880	10	< 2	5	34	0.15	< 10	< 10	73	< 10	144
#200N-9800E	201 202	1	0.01	9	770	6	< 2	3	27	0.12	< 10	< 10	58	< 10	94
#200N-9850E	201 202	1	0.01	13	910	6	< 2	3	44	0.11	< 10	< 10	61	< 10	148
#200N-9900E	201 202	< 1	0.01	13	1360	6	< 2	3	17	0.10	< 10	< 10	57	< 10	220
#200N-9950E	201 202	1	0.01	12	1800	6	< 2	3	21	0.09	< 10	< 10	30	< 10	124
#300N-9550E	201 202	< 1	0.01	14	880	6	< 2	2	27	0.10	< 10	< 10	51	< 10	132
#300N-9600E	201 202	< 1	0.01	10	1470	6	< 2	3	31	0.09	< 10	< 10	52	< 10	120
#300N-9650E	201 202	< 1	0.02	15	410	6	< 2	4	40	0.11	< 10	< 10	53	< 10	110
#300N-9700E	201 202	< 1	0.01	10	1470	6	< 2	3	19	0.10	< 10	< 10	52	< 10	154
#300N-9750E	201 202	2	0.02	12	490	6	< 2	1	25	0.07	< 10	< 10	39	< 10	168
#300N-9800E	201 202	< 1	0.01	12	1010	8	< 2	3	27	0.13	< 10	< 10	68	< 10	126
#300N-9850E	201 202	3	0.01	21	1080	10	< 2	2	17	0.14	< 10	< 10	62	< 10	264
#300N-9900E	201 202	1	0.01	12	1870	10	< 2	3	23	0.11	< 10	< 10	63	< 10	116
#300N-9950E	201 202	1	0.01	12	1350	8	< 2	3	37	0.11	< 10	< 10	59	< 10	98
#600N-9600E	201 202	< 1	0.01	6	320	6	< 2	4	51	0.12	< 10	< 10	74	< 10	82
#600N-9650E	201 202	< 1	0.01	8	1070	6	< 2	2	21	0.09	< 10	< 10	50	< 10	106
#600N-9700E	201 202	< 1	0.01	8	1230	6	< 2	1	19	0.08	< 10	< 10	43	< 10	104
#600															



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8978 LABURNUM ST.
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CERTIFICATE OF ANALYSIS A9634940

SAMPLE	PREP CODE	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
		ppb FA-AA	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%
9300N-9925E	201 202	< 5	0.4	2.03	6	130	< 0.5	< 2	0.27	0.5	8	7	22	1.95	< 10	1	0.04	< 10	0.14	3030
9300N-9975E	201 202	< 5	0.6	1.81	< 2	120	< 0.5	< 2	0.24	< 0.5	7	14	42	2.11	< 10	< 1	0.04	< 10	0.26	1018
9300N-9750E	201 202	< 5	0.2	1.89	3	80	< 0.5	< 2	0.19	< 0.5	8	9	24	1.88	< 10	< 1	0.03	< 10	0.16	188
9300N-9800E	201 202	< 5	0.8	3.04	< 2	120	0.5	< 2	1.14	0.5	7	12	194	2.82	< 10	< 1	0.06	20	0.44	305
9300N-9850E	201 202	< 5	< 0.2	1.19	< 2	50	< 0.5	< 2	0.25	< 0.5	5	8	24	1.81	< 10	< 1	0.04	< 10	0.14	170
9300N-9900E	201 202	< 5	0.6	2.24	< 2	60	< 0.5	< 2	0.37	1.0	6	9	48	2.22	< 20	< 1	0.06	< 10	0.22	145
9300N-9950E	201 202	< 5	0.2	1.40	< 2	120	< 0.5	< 2	0.19	1.9	7	8	18	1.95	< 10	< 1	0.04	< 10	0.26	735
9300N-9775E	201 202	< 5	0.8	3.34	< 2	90	0.5	< 2	0.80	1.9	9	12	152	2.84	< 10	1	0.05	20	0.43	420
9300N-9925E	201 202	< 5	0.6	2.53	2	140	0.5	< 2	0.80	0.5	8	12	217	1.00	< 10	< 1	0.04	20	0.38	1005
9300N-9875E	201 202	< 5	0.4	1.14	< 2	30	< 0.5	< 2	1.39	1.5	4	6	242	1.37	< 10	< 1	0.04	10	0.20	440
9300N-9925E	201 202	< 5	0.2	1.83	< 2	60	< 0.5	< 2	0.44	< 0.5	5	8	142	1.93	< 10	< 1	0.04	< 10	0.19	310
9300N-9975E	201 202	< 5	0.2	1.72	< 2	120	< 0.5	< 2	0.19	< 0.5	6	9	39	2.07	< 10	< 1	0.03	< 10	0.19	490

CERTIFICATION: *Hart Bickler*



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CERTIFICATE OF ANALYSIS A9634940

SAMPLE	PREP CODE	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
9300N-9925E	201 202	1	0.01	6	1200	6	< 2	1	18	0.09	< 10	< 10	43	< 10	84
9300N-9975E	201 202	< 1	0.01	11	950	4	< 2	2	28	0.12	< 10	< 10	52	< 10	122
9300N-9750E	201 202	< 1	0.01	5	2050	6	< 2	2	20	0.08	< 10	< 10	48	< 10	96
9300N-9800E	201 202	< 1	0.01	11	540	10	< 2	6	49	0.07	< 10	< 10	37	< 10	52
9300N-9850E	201 202	< 1	< 0.01	5	1570	6	< 2	1	23	0.07	< 10	< 10	47	< 10	34
9300N-9900E	201 202	1	0.01	7	400	40	< 2	3	24	0.10	< 10	< 10	44	< 10	726
9300N-9950E	201 202	< 1	< 0.01	6	1440	10	< 2	1	18	0.08	< 10	< 10	46	< 10	354
9300N-9775E	201 202	< 1	0.01	8	530	10	< 2	5	53	0.06	< 10	< 10	33	< 10	388
9300N-9825E	201 202	2	0.02	10	430	10	< 2	6	51	0.05	< 10	< 10	61	< 10	36
9300N-9875E	201 202	1	0.03	6	400	8	< 2	2	41	0.04	< 10	< 10	30	< 10	122
9300N-9925E	201 202	< 1	0.01	7	320	8	< 2	2	25	0.08	< 10	< 10	43	< 10	36
9300N-9975E	201 202	< 1	< 0.01	7	1220	8	< 2	1	19	0.10	< 10	< 10	51	< 10	70

CERTIFICATION: *Hart Bickler*

APPENDIX II
MAGNETIC AND VLF-EM DATA

Moreleigh Minerals Corporation

Line and Station +=Northing/Easting
=-Southing/Westing

Area: Tas Claims
Grid: Tas
Date: November, 1996
Instrument Type:
Scintrex MP-2
Geonics EM-16
Station:
Data Types: #1
 #2
 #3

File Name: mmge0196.xyz
Details:
Corrected Total Field Magnetic Values
In-Phase and Quadrature Values
Seattle, Facing Easterly
Corrected Total Field Magnetic Values (nanoteslas)
VLF-EM In-Phase Values (percent)
VLF-EM Quadrature Values (percent)

N/S	E/W	#1	#2	#3
Line 11500				
11500	9675	-2	12	
11500	9700	-6	10	
11500	9725	-4	5	
11500	9750	-2	5	
11500	9775	-2	1	
11500	9800	1	3	
11500	9825	8	4	
11500	9850	9	3	
11500	9875	16	2	
11500	9900	20	3	
11500	9925	21	4	
11500	9950	25	9	
11500	9975	18	5	
11500	10000	16	5	
11500	10025	15	5	
11500	10050	11	1	
11500	10075	20	2	
11500	10100	25	3	
11500	10125	25	6	
11500	10150	17	8	
11500	10175	11	5	
11500	10200	18	2	
11500	10225	22	4	
11500	10250	27	4	
11500	10275	33	5	
11500	10300	35	2	
11500	10325	28	7	
11500	10350	32	-2	
11500	10375	33	3	
11500	10400	24	3	
11500	10425	19	3	
11500	10450	19	6	
11500	10475	18	5	
11500	10500	16	-1	
11500	10525	20	0	
11500	10550	25	2	
11500	10575	26	-2	
11500	10600	27	-1	
11500	10625	27	-1	
11500	10650	24	-1	
11500	10675	26	1	
11500	10700	29	4	

11500	10725	25	0	
11500	10750	24	-2	
11500	10775	24	-7	
11500	10800	28	-8	
11500	10825	32	-8	
11500	10850	31	-6	
11500	10875	32	-7	
11500	10900	31	-6	
11500	10925	16	0	
11500	10950	26	-4	
11500	10975	22	-1	
11500	11000	20	-1	
11500	11025	17	3	
11500	11050	10	-2	
11500	11075	6	0	
11500	11100	3	1	
11500	11125	4	0	
11500	11150	5	0	
11500	11175	24	8	
11500	11200	17	3	
11500	11225	20	4	
11500	11250	23	5	
11500	11275	23	5	
11500	11300	14	4	
11500	11325	22	6	
11500	11350	25	6	
11500	11375	33	8	
11500	11400	23	0	
11500	11425	21	2	
11500	11450	22	-1	
11500	11475	18	-7	
11500	11500	20	-6	
11500	11525	25	-4	
11500	11550	36	0	
11500	11575	24	-7	
11500	11600	22	-7	
11500	11625	23	-3	
11500	11650	27	3	
11500	11675	18	1	
11500	11700	4	2	
11500	11725	-12	-3	
11500	11750	-17	-9	
11500	11775	-8	-3	
11500	11800	-4	-4	
11500	11825	-1	-8	
11500	11850	1	-8	
11500	11875	6	-6	
11500	11900	10	-3	
11500	11925	12	-1	
11500	11950	1	-7	
11500	11975	-2	-9	
11500	12000	6	-1	
11500	12025	11	6	
11500	12050	-30	-12	
11500	12075	-38	-11	
11500	12100	-42	-12	
Line 11450				
11450	9650	56591	4	7
11450	9675	56593	2	10
11450	9700	56543	1	9
11450	9725	56533	0	6
11450	9750	56518	3	5
11450	9775	56741	5	0

11450	9800	56754	12	8
11450	9825	56854	20	10
11450	9850	57894	24	8
11450	9875	57761	29	7
11450	9900	57163	33	7
11450	9925	56982	30	6
11450	9950	56861	26	6
11450	9975	56770	20	6
11450	10000	56960	14	2
11450	10025	57115	13	4
11450	10050	56645	22	4
11450	10075	56718	26	7
11450	10100	56640	33	9
11450	10125	56635	29	5
11450	10150	56723	21	2
11450	10175	56936	16	0
11450	10200	56699	16	-3
11450	10225	56545	24	0
11450	10250	56687	31	2
11450	10275	56931	36	2
11450	10300	56853	36	-1
11450	10325	56811	37	3
11450	10350	56829	29	4
11450	10375	56846	24	5
11450	10400	56821	18	6
11450	10425	56930	24	6
11450	10450	57027	16	4
11450	10475	56937	20	6
11450	10500	57031	19	8
11450	10525	56801	19	4
11450	10550	56803	24	4
11450	10575	56845	23	3
11450	10600	56658	24	6
11450	10625	56638	20	2
11450	10650	56727	18	2
11450	10675	56716	15	0
11450	10700	56714	16	1
11450	10725	56622	10	-4
11450	10750	56657	16	2
11450	10775	56630	18	-3
11450	10800	56675	19	-4
11450	10825	56640	23	-7
11450	10850	56592	36	0
11450	10875	56767	37	-2
11450	10900	56542	22	-6
11450	10925	56589	27	-2
11450	10950	56639	25	0
11450	10975	56630	23	0
11450	11000	56641	23	0
11450	11025	56832	18	0
11450	11050	57067	16	-2
11450	11075	57115	15	-3
11450	11100	57020	21	2
11450	11125	57295	15	-2
11450	11150	57195	11	-2
11450	11175	56880	12	-3
11450	11200	56355	15	-2
11450	11225	56519	26	0
11450	11250	56695	26	0
11450	11275	56745	25	-2
11450	11300	56990	21	-2
11450	11325	56880	27	-2
11450	11350	57605	13	-1
11450	11375	58365	42	-2

11450	11400	58071	29	-2
11450	11425	57712	23	-8
11450	11450	57838	24	-4
11450	11475	58523	31	-1
11450	11500	56990	33	-7
11450	11525	57296	38	-2
11450	11550	57190	25	-8
11450	11575	57527	30	-9
11450	11600	57451	30	-8
11450	11625	57254	34	-4
11450	11650	57157	16	-5
11450	11675	56996	3	-6
11450	11700	57021	-7	-8
11450	11725	57060	-6	-6
11450	11750	57499	-2	-3
11450	11775	56640	-2	-1
11450	11800	57568	-2	-6
11450	11825	56785	2	-6
11450	11850	57060	3	-8
11450	11875	58195	9	-6
11450	11900	56810	9	-6
11450	11925	56803	13	-4
11450	11950	57024	7	-5
11450	11975	56913	3	-7
11450	12000	56945	9	0
11450	12025	57050	3	0
11450	12050	56960	-29	-6
11450	12075	57015	-35	-7
11450	12100	56828	-36	-6
Time 11400				
11400	9675		4	4
11400	9700		7	1
11400	9725		5	3
11400	9750		9	4
11400	9775		16	8
11400	9800		21	7
11400	9825		24	2
11400	9850		34	1
11400	9875		25	1
11400	9900		17	1
11400	9925		23	8
11400	9950		21	10
11400	9975		15	9
11400	10000		29	2
11400	10025		28	5
11400	10050		37	-2
11400	10075		39	4
11400	10100		29	0
11400	10125		27	-3
11400	10150		29	1
11400	10175		34	0
11400	10200		24	-9
11400	10225		33	-7
11400	10250		29	-6
11400	10275		42	-5
11400	10300		15	-3
11400	10325		31	-2
11400	10350		29	11
11400	10375		27	5
11400	10400		26	5
11400	10425		31	1
11400	10450		27	-
11400	10475		13	9
11400	10500		27	6

11400	10525	29	6
11400	10550	28	4
11400	10575	30	4
11400	10600	29	4
11400	10625	28	3
11400	10650	29	0
11400	10675	31	2
11400	10700	30	1
11400	10725	33	0
11400	10750	29	1
11400	10775	30	1
11400	10800	27	4
11400	10825	34	0
11400	10850	45	3
11400	10875	21	-6
11400	10900	21	1
11400	10925	26	3
11400	10950	22	1
11400	10975	21	1
11400	11000	22	1
11400	11025	20	0
11400	11050	18	-1
11400	11075	14	-1
11400	11100	5	0
11400	11125	2	-1
11400	11150	-4	-6
11400	11175	1	-1
11400	11200	12	-5
11400	11225	34	-6
11400	11250	41	-6
11400	11275	30	-9
11400	11300	24	-9
11400	11325	26	-9
11400	11350	22	-6
11400	11375	18	-7
11400	11400	14	-5
11400	11425	19	-10
11400	11450	20	-9
11400	11475	27	-6
11400	11500	32	-12
11400	11525	16	-16
11400	11550	20	-12
11400	11575	37	-7
11400	11600	20	-4
11400	11625	14	-8
11400	11650	1	-8
11400	11675	-4	-9
11400	11700	-2	-7
11400	11725	2	-2
11400	11750	7	-2
11400	11775	13	4
11400	11800	6	-6
11400	11825	7	-7
11400	11850	14	-3
11400	11875	8	-7
11400	11900	-9	-7
11400	11925	10	-6
11400	11950	0	-5
11400	11975	1	-2
11400	12000	-12	-1
11400	12025	-27	-3
11400	12050	-40	-9
11400	12075	-53	-12
11400	12100	-18	-5

line 11350	9650	56729	8	7
11350	9675	56879	2	-2
11350	9700	56606	5	1
11350	9725	56608	7	4
11350	9750	56448	6	4
11350	9775	56579	7	4
11350	9800	56538	16	9
11350	9825	57017	28	5
11350	9850	57051	43	5
11350	9875	56985	47	3
11350	9900	57089	18	5
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11000	12050			
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Line 10500				
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10500	11675	57336	-1	0

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10500	11850	57056	5	4
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10500	11900	56966	-3	-3
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10500	11975	56683	6	-4
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10500	12050	56730	8	-6
10500	12075	56870	8	-7
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line 10400				
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10400	9725	56770	13	3
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9900	10075	56344	-11	10
9900	10100	56554	-18	11
9900	10125	56760	-6	10
9900	10150	56731	-1	9
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9800	11025	59714	18	7
9800	11050	59572	18	6
9800	11075	58484	13	2
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9800	11225	58760	29	-2
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9800	11575	57720	-5	-4
9800	11600	56769	-1	-5
9800	11625	56908	2	-4
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9800	11750	56927	1	-1
9800	11775	56840	2	-2
9800	11800	56990	2	-2
9800	11825	56852	3	-1
9800	11850	56924	6	0
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9800	11900	56745	3	0
9800	11925	56655	-7	0
9800	11950	56787	-2	9
9800	11975	56819	0	0
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9800	12025	56588	1	2
9800	12050	56645	-1	1
9800	12075	56715	-1	2
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Line 9700				
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9700	9800	56882	-11	6
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9900	11775	57068	2	-1
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Line 9800				
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9800	9750	57035	27	-4
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9800	9875	57726	-9	6
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9700	10450	56718	24	-3
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9700	11075	58713	9	-3
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9700	11125	58582	9	-6
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9700	11200	59074	15	-5
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line 9600				
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9600	10100	57214	8	0
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9600	10150	58037	9	-3
9600	10175	57820	9	-3
9600	10200	57230	13	-3
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9600	10300	57070	25	4
9600	10325	56990	26	3
9600	10350	56900	16	-1
9600	10375	56880	29	-1
9600	10400	56840	27	-2
9600	10425	57000	34	0
9600	10450	56825	33	1
9600	10475	56849	23	-2
9600	10500	57020	21	-2
9600	10525	56930	16	0
9600	10550	56850	27	-1
9600	10575	57001	26	-2

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9600	10675	57104	6	2
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9600	10775	57321	-1	-2
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9600	11250	57233	-11	0
9600	11275	59230	-15	-4
9600	11300	59195	-11	-4
9600	11325	57814	-8	-5
9600	11350	57576	-6	-5
9600	11375	59562	-2	-5
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9600	11425	58260	-1	-6
9600	11450	58445	9	-4
9600	11475	58188	0	-8
9600	11500	58035	-2	-9
9600	11525	58931	6	-6
9600	11550	58568	6	-9
9600	11575	58490	9	-7
9600	11600	58056	14	-9
9600	11625	57323	13	-7
9600	11650	57143	18	-9
9600	11675	57050	22	-1
9600	11700	57055	21	1
9600	11725	57140	16	2
9600	11750	56968	5	-1
9600	11775	57353	3	2
9600	11800	57200	0	1
9600	11825	57087	-5	0
9600	11850	56960	0	3
9600	11875	57179	1	-1
9600	11900	56944	2	2
9600	11925	57040	7	2
9600	11950	57160	11	4
9600	11975	57370	8	1
9600	12000	57200	12	4
9600	12025	57050	12	5
9600	12050	57042	14	5
9600	12075	57130	10	3
9600	12100	57100	9	2
Line 9500				
9500	9700	56872	2	-12
9500	9725	57611	5	-4

9500	9750	57305	4	-2
9500	9775	57099	4	1
9500	9800	57445	-7	-3
9500	9825	57827	-1	-2
9500	9850	57321	0	-2
9500	9875	56647	2	2
9500	9900	57393	-6	2
9500	9925	57730	-1	4
9500	9950	57939	1	3
9500	9975	57349	5	4
9500	10000	57451	8	4
9500	10025	57894	11	2
9500	10050	56614	8	-1
9500	10075	57071	7	-2
9500	10100	57932	2	-6
9500	10125	57441	5	-5
9500	10150	57852	6	-6
9500	10175	57541	9	-5
9500	10200	57365	7	-5
9500	10225	57906	6	-4
9500	10250	56867	4	-5
9500	10275	57574	4	-2
9500	10300	56861	0	-2
9500	10325	57321	3	-1
9500	10350	57149	14	2
9500	10375	57155	16	0
9500	10400	57324	20	0
9500	10425	57071	18	0
9500	10450	56921	16	-1
9500	10475	57011	16	-4
9500	10500	57136	16	-3
9500	10525	57217	19	0
9500	10550	57136	25	3
9500	10575	57045	13	-2
9500	10600	57028	11	-2
9500	10625	56885	9	0
9500	10650	56882	1	-2
9500	10675	57115	4	0
9500	10700	57302	7	2
9500	10725	57009	11	3
9500	10750	56975	8	2
9500	10775	56995	2	-2
9500	10800	57189	3	-4
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9500	10875	57332	-7	-6
9500	10900	57152	-17	-6
9500	10925	57299	-20	-5
9500	10950	57282	-9	0
9500	10975	57606	-12	-3
9500	11000	58092	-20	-6
9500	11025	58227	-12	-3
9500	11050	58410	-5	0
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9500	11100	58915	3	0
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9500	11150	58273	-2	-1
9500	11175	58498	-5	-4
9500	11200	58324	-4	-4
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9500	11250	57949	-12	-8
9500	11275	59460	-8	-6
9500	11300	58312	-4	-5
9500	11325	58407	-6	-12

9500	11350	57880	-7	-11
9500	11375	57776	2	-8
9500	11400	58402	4	-10
9500	11425	58462	6	-12
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9500	11475	57770	3	-8
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9500	11525	57627	4	-9
9500	11550	57580	10	-8
9500	11575	57503	16	-3
9500	11600	57588	20	0
9500	11625	57102	14	0
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9500	11675	57044	8	3
9500	11700	57005	3	3
9500	11725	56944	5	5
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9500	11850	56762	7	2
9500	11875	56757	10	2
9500	11900	56917	12	2
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9500	12025	57069	21	7
9500	12050	57271	14	2
9500	12075	57047	5	-4
9500	12100	57209	11	-1
line 9400				
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9400	9725	57272	2	-2
9400	9750	57126	-3	-4
9400	9775	57160	-2	-1
9400	9800	57170	0	-4
9400	9825	57323	6	-4
9400	9850	57040	8	2
9400	9875	57198	0	1
9400	9900	57956	10	6
9400	9925	57977	12	4
9400	9950	57954	11	2
9400	9975	58264	12	2
9400	10000	58074	12	-1
9400	10025	58091	12	-1
9400	10050	58546	14	-2
9400	10075	58010	15	-2
9400	10100	57249	12	-5
9400	10125	57659	8	-9
9400	10150	57312	8	-8
9400	10175	57379	9	-5
9400	10200	57536	2	-7
9400	10225	57847	4	-4
9400	10250	57655	5	-2
9400	10275	57787	6	-4
9400	10300	57469	10	-2
9400	10325	58029	13	-2
9400	10350	57090	17	1
9400	10375	57065	25	1
9400	10400	57158	12	-2
9400	10425	57262	2	-4
9400	10450	57185	5	-4
9400	10475	57294	7	-3

9400	10500	57398	11	-3
9400	10525	57285	17	-4
9400	10550	57190	13	-2
9400	10575	57138	11	-4
9400	10600	57064	11	-3
9400	10625	57108	10	-3
9400	10650	57126	6	-3
9400	10675	57148	6	-2
9400	10700	57078	5	-5
9400	10725	57204	1	-6
9400	10750	57199	1	-6
9400	10775	57238	-4	-5
9400	10800	57188	-10	-6
9400	10825	57139	-15	-8
9400	10850	57170	-12	-4
9400	10875	57155	-14	-5
9400	10900	57456	-21	-8
9400	10925	57588	-21	-8
9400	10950	57373	-19	-5
9400	10975	57598	-14	-4
9400	11000	57595	-8	-6
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9400	11050	57764	-1	-2
9400	11075	57916	-1	-3
9400	11100	58010	2	-2
9400	11125	58735	5	-2
9400	11150	59008	8	-3
9400	11175	58353	7	-2
9400	11200	58301	-3	-6
9400	11225	58216	-2	-5
9400	11250	57888	-1	-6
9400	11275	58341	-4	-8
9400	11300	58163	-2	-12
9400	11325	58413	-2	-11
9400	11350	58306	5	-15
9400	11375	57970	5	-13
9400	11400	58035	13	-13
9400	11425	57948	11	-11
9400	11450	57659	6	-8
9400	11475	57424	7	0
9400	11500	57403	6	1
9400	11525	57299	7	4
9400	11550	57137	10	5
9400	11575	56913	3	2
9400	11600	56824	4	7
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9400	11875	57183	13	2
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9400	12025	57416	12	2
9400	12050	57623	13	3
9400	12075	57272	12	6

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Line 9300				
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9300	9775	57404	9	-2
9300	9800	57529	18	6
9300	9825	57227	2	2
9300	9850	57344	4	4
9300	9875	57502	12	2
9300	9900	57700	2	3
9300	9925	57936	12	0
9300	9950	58325	14	2
9300	9975	58267	15	-2
9300	10000	58349	15	1
9300	10025	58196	15	-2
9300	10050	58028	17	-1
9300	10075	57437	19	-2
9300	10100	57385	16	-4
9300	10125	57467	9	-6
9300	10150	57550	5	-8
9300	10175	57531	4	-6
9300	10200	57466	7	-4
9300	10225	57810	3	-5
9300	10250	57290	0	-6
9300	10275	57226	0	-4
9300	10300	57103	2	-3
9300	10325	57363	3	-3
9300	10350	56925	4	-4
9300	10375	56728	3	-6
9300	10400	56863	9	1
9300	10425	57053	11	2
9300	10450	56748	9	0
9300	10475	56847	7	-1
9300	10500	57012	7	-2
9300	10525	57105	8	-4
9300	10550	57220	5	-4
9300	10575	57179	5	-4
9300	10600	57224	3	-3
9300	10625	57135	3	-4
9300	10650	57141	-1	-5
9300	10675	57091	-2	-7
9300	10700	57140	-1	-7
9300	10725	57125	-3	-6
9300	10750	57140	-4	-5
9300	10775	57108	-9	-4
9300	10800	57047	-10	-4
9300	10825	57116	-14	-3
9300	10850	57190	-13	-2
9300	10875	57715	-5	-2
9300	10900	57714	-2	0
9300	10925	57346	-6	-2
9300	10950	57825	-1	-3
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9300	11000	57590	8	-2
9300	11025	57715	6	-2
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9300	11150	58557	-3	-6
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9300	11225	58348	-1	-6
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9300	11275	58347	-2	-9

9300	11300	58587	-3	-9
9300	11325	58603	-3	-9
9300	11350	58035	-5	-14
9300	11375	57504	-3	-14
9300	11400	57990	8	-9
9300	11425	57685	17	-4
9300	11450	57503	9	0
9300	11475	57324	10	6
9300	11500	57189	7	6
9300	11525	56911	-6	4
9300	11550	56780	-4	6
9300	11575	57030	-3	8
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9300	11650	56646	8	8
9300	11675	56727	12	10
9300	11700	56725	10	6
9300	11725	56823	6	5
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9300	11775	56870	8	2
9300	11800	56944	8	1
9300	11825	57363	16	2
9300	11850	57389	17	3
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9300	12025	57258	9	2
9300	12050	57001	-3	-1
9300	12075	57095	1	2
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Line 9200				
9200	9750	57186	-6	5
9200	9775	57318	-7	6
9200	9800	57272	-5	6
9200	9825	57261	-2	6
9200	9850	57230	5	8
9200	9875	57344	5	6
9200	9900	57324	1	6
9200	9925	57458	3	6
9200	9950	57385	9	7
9200	9975	57753	13	9
9200	10000	57452	13	4
9200	10025	57616	12	0
9200	10050	57115	13	-2
9200	10075	57655	16	-2
9200	10100	57850	26	-6
9200	10125	57499	15	-2
9200	10150	57497	4	-6
9200	10175	57687	16	0
9200	10200	57621	4	-4
9200	10225	57949	5	-2
9200	10250	57644	-5	-4
9200	10275	57380	-5	-5
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9200	10325	57373	1	-4
9200	10350	57281	6	-5
9200	10375	57343	1	-6
9200	10400	57074	7	-4
9200	10425	57135	18	2
9200	10450	57417	16	3
9200	10475	57465	15	4

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9200	10525	57354	11	2
9200	10550	57368	10	2
9200	10575	57118	16	4
9200	10600	57036	10	1
9200	10625	57090	4	0
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9200	10675	57089	7	3
9200	10700	57036	4	0
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9200	10750	57033	1	1
9200	10775	57047	-2	4
9200	10800	57038	-4	4
9200	10825	57170	-3	4
9200	10850	57233	-4	2
9200	10875	57352	2	2
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9200	11075	57642	-1	-8
9200	11100	57824	-3	-6
9200	11125	57960	-2	-4
9200	11150	58314	-3	-2
9200	11175	58415	-4	-4
9200	11200		-9	6
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9200	11250	57860	-8	6
9200	11275	58133	-10	3
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9200	11375	57594	11	-1
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9200	11675	58257	14	4
9200	11700	58153	19	6
9200	11725	58045	17	2
9200	11750	57704	18	0
9200	11775	57983	19	1
9200	11800	58102	22	1
9200	11825	57494	22	2
9200	11850	57586	11	1
9200	11875	57781	11	3
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line 9100				
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9100	9925		17	8
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9100	9975		3	4
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9100	10100		-3	-2
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9100	10175		-10	-8
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9100	10250		-8	-10
9100	10275		-9	-10
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9100	10925		24	5
9100	10950		19	3
9100	10975		14	2
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9100	11250		6	4
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9100	11550	22	14
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9100	11775	27	8
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9100	12000	17	4
9100	12025	18	4
9100	12050	17	3
9100	12075	23	4
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line 9000			
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9000	10000	5	0
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9000	10150	-8	-14
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9000	10250	-16	-16
9000	10275	-19	-13
9000	10300	-15	-12
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9000	10400	22	8
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9000	10625	25	-2
9000	10650	28	2
9000	10675	24	-2
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9000	10750	15	0	
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9000	10825	21	2	
9000	10850	24	4	
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9000	11125	22	-2	
9000	11150	22	-4	
9000	11175	26	-2	
9000	11200	30	-4	
9000	11225	29	-7	
9000	11250	25	6	
9000	11275	13	0	
9000	11300	14	-1	
9000	11325	15	-2	
9000	11350	16	5	
9000	11375	10	4	
9000	11400	20	9	
9000	11425	23	9	
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9000	11700	27	5	
9000	11725	35	8	
9000	11750	39	6	
9000	11775	46	9	
9000	11800	35	8	
9000	11825	19	3	
9000	11850	16	4	
9000	11875	14	3	
9000	11900	18	4	
9000	11925	22	4	
9000	11950	22	2	
9000	11975	28	3	
9000	12000	27	0	
9000	12025	33	2	
9000	12050	38	5	
9000	12075	31	6	
9000	12100	14	4	
line 8900				
8900	8900	57214	16	0
8900	9825	57202	14	-1
8900	9850	57268	14	0
8900	9875	57240	9	-2
8900	9900	57171	9	-4
8900	9925	57201	11	-2
8900	9950	57228	12	-2
8900	9975	57251	13	-3

8900	10000	57132	-6	-8
8900	10025	57364	-1	-10
8900	10050	57352	-3	-6
8900	10075	57495	-3	-18
8900	10100	56869	-2	-18
8900	10125	57229	-2	-20
8900	10150	57346	0	-18
8900	10175	57406	2	-16
8900	10200	57145	0	-12
8900	10225	57376	2	-7
8900	10250	57346	4	-7
8900	10275	57406	8	-4
8900	10300	57409	7	-2
8900	10325	57296	6	-4
8900	10350	57273	8	-3
8900	10375	56956	9	-1
8900	10400	57054	18	4
8900	10425	57033	8	-1
8900	10450	57064	14	1
8900	10475	56971	20	6
8900	10500	57178	21	2
8900	10525	57038	25	2
8900	10550	57018	26	2
8900	10575	56929	27	-1
8900	10600	56975	31	-1
8900	10625	56924	27	-5
8900	10650	56994	31	0
8900	10675	56985	26	0
8900	10700	56997	20	2
8900	10725	57012	15	0
8900	10750	57028	11	0
8900	10775	57063	13	4
8900	10800	57046	13	4
8900	10825	56994	16	4
8900	10850	57016	15	3
8900	10875	57008	11	2
8900	10900	57006	8	0
8900	10925	56979	7	0
8900	10950	56990	4	-2
8900	10975	56977	7	-3
8900	11000	57029	11	-1
8900	11025	57068	13	-2
8900	11050	57060	14	-4
8900	11075	57246	17	-4
8900	11100	56939	18	-6
8900	11125	56930	21	-7
8900	11150	57021	29	-2
8900	11175	57044	30	-5
8900	11200	57100	27	-4
8900	11225	56900	21	-3
8900	11250	56768	15	-1
8900	11275	56849	21	1
8900	11300	56778	22	2
8900	11325	56725	13	-2
8900	11350	56716	11	-2
8900	11375	56695	16	-4
8900	11400	56586	10	6
8900	11425	56600	25	12
8900	11450	56620	18	10
8900	11475	56505	12	10
8900	11500	56514	10	10
8900	11525	56700	9	6
8900	11550	56843	14	9
8900	11575	57608	13	7

8900	11600	57771	20	10
8900	11625	57301	11	4
8900	11650	57695	12	4
8900	11675	57604	17	5
8900	11700	58280	23	6
8900	11725	58027	28	4
8900	11750	58009	26	2
8900	11775	58350	30	2
8900	11800	57890	30	1
8900	11825	57655	26	2
8900	11850	57370	23	1
8900	11875	56882	21	4
8900	11900	57302	8	-2
8900	11925	57279	7	2
8900	11950	57188	10	1
8900	11975	57990	16	1
8900	12000	58140	20	2
8900	12025	58200	25	-1
8900	12050	58488	34	2
8900	12075	58524	41	3
8900	12100	58530	46	6
Line 8800				
8800	9800	57235	13	-2
8800	9825	57220	10	-2
8800	9850	57311	4	-2
8800	9875	57468	4	-6
8800	9900	57047	5	-8
8800	9925	57144	8	-9
8800	9950	57108	7	-6
8800	9975	57144	5	-2
8800	10000	56904	-8	-3
8800	10025	56955	-12	-5
8800	10050	56940	-20	-12
8800	10075	56992	-19	-10
8800	10100	56985	-16	-4
8800	10125	57060	-13	-2
8800	10150	57028	-9	-2
8800	10175	57172	-7	-3
8800	10200	57121	0	-2
8800	10225	57113	2	0
8800	10250	57414	2	-3
8800	10275	57580	4	-2
8800	10300	57560	3	-2
8800	10325	57294	7	-4
8800	10350	57095	10	-4
8800	10375	56870	11	-6
8800	10400	56812	20	-2
8800	10425	56934	19	-4
8800	10450	56895	21	-4
8800	10475	56933	21	-3
8800	10500	56942	24	-2
8800	10525	56957	23	-3
8800	10550	56867	20	-4
8800	10575	56816	27	-4
8800	10600	56809	29	0
8800	10625	56827	24	0
8800	10650	56845	20	-1
8800	10675	56859	20	0
8800	10700	57059	21	2
8800	10725	56837	21	4
8800	10750	56871	17	4
8800	10775	56813	17	3
8800	10800	56806	15	2
8800	10825	56802	17	4

8800	10850	56808	18	3
8800	10875	56825	17	2
8800	10900	56837	13	-3
8800	10925	56752	15	-4
8800	10950	56746	14	-7
8800	10975	56968	15	-8
8800	11000	56806	24	-6
8800	11025	56834	31	-2
8800	11050	56887	31	-5
8800	11075	56832	33	-4
8800	11100	56815	31	-4
8800	11125	56816	26	-4
8800	11150	56770	15	-7
8800	11175	56735	15	-4
8800	11200	56799	17	1
8800	11225	56693	24	3
8800	11250	56630	19	0
8800	11275	56583	17	0
8800	11300	56550	14	0
8800	11325	56544	6	2
8800	11350	56493	2	2
8800	11375	56345	3	8
8800	11400	56302	-4	9
8800	11425	56484	-2	3
8800	11450	57036	1	8
8800	11475	57064	2	8
8800	11500	56987	11	7
8800	11525	56987	16	8
8800	11550	57640	24	8
8800	11575	57093	15	3
8800	11600	57411	17	4
8800	11625	57253	25	5
8800	11650	57329	31	6
8800	11675	57325	20	0
8800	11700	57731	22	0
8800	11725	57562	27	2
8800	11750	57514	28	2
8800	11775	57154	22	-1
8800	11800	57190	18	-2
8800	11825	57332	23	0
8800	11850	56786	24	-5
8800	11875	57535	12	-1
8800	11900	57673	15	2
8800	11925	58278	23	4
8800	11950	57810	21	4
8800	11975	57898	24	0
8800	12000	57557	29	0
8800	12025	57430	36	3
8800	12050	57555	51	6
8800	12075	57265	31	3
8800	12100	57371	22	2
line 8700				
8700	9600	57306	1	4
8700	9625	57411	5	4
8700	9650	57399	9	5
8700	9675	57518	11	5
8700	9700	57367	16	8
8700	9725	57832	18	3
8700	9750	57185	12	4
8700	9775	58605	3	1
8700	9800	55584	0	1
8700	9825	57570	-1	0
8700	9850	56986	-11	-4
8700	9875	56152	-10	-1

8700	9900	57248	-15	9
8700	9925	57434	-18	-2
8700	9950	56885	-11	-2
8700	9975	57121	-9	-2
8700	10000	56962	-4	0
8700	10025	57017	-2	-2
8700	10050	57075	-2	-2
8700	10075	56940	-5	0
8700	10100	57036	-4	1
8700	10125	57107	-7	0
8700	10150	57202	-3	2
8700	10175	57120	-4	0
8700	10200	57565	-1	2
8700	10225	57217	0	0
8700	10250	57271	1	2
8700	10275	57286	6	2
8700	10300	57514	8	1
8700	10325	57499	-1	-3
8700	10350	57325	-9	0
8700	10375	57203	-12	2
8700	10400	57180	-11	5
8700	10425	57220	-7	7
8700	10450	57280	0	7
8700	10475	56986	10	4
8700	10500	57045	8	2
8700	10525	56948	5	2
8700	10550	56974	6	2
8700	10575	56917	7	2
8700	10600	56879	8	1
8700	10625	56899	5	0
8700	10650	56865	7	-2
8700	10675	56806	12	1
8700	10700	56903	14	0
8700	10725	56818	10	-2
8700	10750	56858	7	0
8700	10775	56861	6	-2
8700	10800	56849	9	-2
8700	10825	56846	11	-4
8700	10850	56833	13	-4
8700	10875	56857	14	-5
8700	10900	56863	11	-6
8700	10925	56823	12	-6
8700	10950	56818	13	-6
8700	10975	56845	16	-4
8700	11000	56847	15	-2
8700	11025	56822	-2	-10
8700	11050	56831	3	-8
8700	11075	56818	7	-7
8700	11100	56828	14	-2
8700	11125	56814	14	-2
8700	11150	56863	21	-2
8700	11175	56820	24	1
8700	11200	56771	15	0
8700	11225	56742	8	-2
8700	11250	56688	12	-3
8700	11275	56627	21	0
8700	11300	56644	16	0
8700	11325	56673	-3	2
8700	11350	56580	-7	7
8700	11375	56700	-6	8
8700	11400	56536	-1	10
8700	11425	56588	6	12
8700	11450	56571	14	12
8700	11475	57135	-20	4

8700	11500	57036	21	7
8700	11525	56881	27	6
8700	11550	56725	31	6
8700	11575	56878	27	3
8700	11600	56583	22	2
8700	11625	56872	25	4
8700	11650	57275	14	0
8700	11675	57457	21	1
8700	11700	58115	29	2
8700	11725	57453	26	0
8700	11750	57910	14	-2
8700	11775	56813	15	-3
8700	11800	57062	13	-2
8700	11825	57325	20	-1
8700	11850	56969	28	5
8700	11875	57294	19	0
8700	11900	57377	17	0
8700	11925	58308	21	-1
8700	11950	57276	26	0
8700	11975	57967	27	0
8700	12000	59192	33	2
8700	12025	57520	37	3
8700	12050	56934	18	-2
8700	12075	59048	12	0
8700	12100	58298	20	5
Line #600				
8600	9600	57266	11	5
8600	9625	57308	9	3
8600	9650	57282	8	2
8600	9675	57283	7	2
8600	9700	57330	8	2
8600	9725	57365	7	2
8600	9750	57329	3	0
8600	9775	57384	1	-1
8600	9800	57417	-1	-4
8600	9825	57072	-2	-4
8600	9850	57176	-2	-4
8600	9875	57051	2	2
8600	9900	57135	5	4
8600	9925	57229	4	2
8600	9950	57204	3	2
8600	9975	57199	2	1
8600	10000	56856	-3	2
8600	10025	56759	-5	0
8600	10050	56885	-3	-1
8600	10075	56973	-2	-2
8600	10100	57097	0	-2
8600	10125	56806	2	0
8600	10150	56902	1	2
8600	10175	56999	-3	0
8600	10200	57047	-11	-1
8600	10225	57046	-9	1
8600	10250	57106	-10	1
8600	10275	57407	-10	0
8600	10300	57310	-6	3
8600	10325	57410	-4	5
8600	10350	57265	-5	8
8600	10375	57323	1	10
8600	10400	57144	-1	6
8600	10425	57118	0	5
8600	10450	57085	2	6
8600	10475	57028	2	4
8600	10500	57155	3	4
8600	10525	57093	1	4

8600	10550	57130	3	5
8600	10575	57038	9	2
8600	10600	56980	16	1
8600	10625	57015	10	-2
8600	10650	56995	8	-4
8600	10675	57026	1	-4
8600	10700	57006	-4	-4
8600	10725	56958	-3	-4
8600	10750	56969	1	-3
8600	10775	57004	4	-2
8600	10800	56980	5	-2
8600	10825	56914	8	-4
8600	10850	56938	10	-3
8600	10875	56927	15	-1
8600	10900	56949	11	-4
8600	10925	56914	8	-5
8600	10950	56931	0	-10
8600	10975	56890	4	-8
8600	11000	56929	8	-4
8600	11025	56947	8	-6
8600	11050	56979	14	-2
8600	11075	56986	12	-3
8600	11100	56864	11	-3
8600	11125	56849	8	-5
8600	11150	56912	10	-1
8600	11175	56860	11	-1
8600	11200	56899	15	0
8600	11225	56751	18	0
8600	11250	56722	8	0
8600	11275	56750	-6	-2
8600	11300	56707	-10	1
8600	11325	56738	-8	7
8600	11350	56787	1	10
8600	11375	56797	10	3
8600	11400	56615	10	3
8600	11425	56645	11	1
8600	11450	56825	15	0
8600	11475	56894	17	-2
8600	11500	56996	22	-1
8600	11525	57410	26	0
8600	11550	57227	26	0
8600	11575	56843	16	-2
8600	11600	57612	16	-1
8600	11625	59500	23	1
8600	11650	57675	27	2
8600	11675	57741	15	-3
8600	11700	57778	12	-3
8600	11725	57376	13	-2
8600	11750	57839	15	-4
8600	11775	57434	21	-3
8600	11800	57480	26	-1
8600	11825	56625	19	-4
8600	11850	57951	25	-1
8600	11875	58044	28	-3
8600	11900	58376	31	1
8600	11925	57316	23	0
8600	11950	56972	9	-4
8600	11975	57572	13	1
8600	12000	59049	22	5
8600	12025	57253	15	1
8600	12050	57143	18	3
8600	12075	57077	18	4
8600	12100	57522	20	4
Line #300				

8300	9550	57194	8	-11
8300	9575	57123	21	1
8300	9600	57063	13	3
8300	9625	57236	5	3
8300	9650	57157	4	5
8300	9675	57159	1	2
8300	9700	57438	-1	3
8300	9725	57482	1	4
8300	9750	57365	4	6
8300	9775	57426	-1	3
8300	9800	57555	2	4
8300	9825	57712	4	3
8300	9850	57914	4	2
8300	9875	57695	7	0
8300	9900	57751	12	0
8300	9925	57886	12	-1
8300	9950	57594	11	-2
8300	9975	57704	12	-2
8300	10000	57494	14	-2
8300	10025	57303	10	-2
8300	10050	57203	3	-6
8300	10075	57320	1	-5
8300	10100	57299	-1	-4
8300	10125	57129	5	1
8300	10150	57149	3	0
8300	10175	57290	0	0
8300	10200	57339	2	3
8300	10225	57084	1	3
8300	10250	57002	6	4
8300	10275	56982	16	6
8300	10300	56982	20	5
8300	10325	57352	24	3
8300	10350	57023	20	2
8300	10375	57067	16	0
8300	10400	57001	12	0
8300	10425	57035	8	2
8300	10450	56996	-2	1
8300	10475	56975	-1	0
8300	10500	56816	4	2
8300	10525	57101	10	-1
8300	10550	57569	22	0
8300	10575	57100	32	2
8300	10600	56830	17	-2
8300	10625	57063	15	-2
8300	10650	56852	10	-3
8300	10675	56918	10	-4
8300	10700	57092	9	-6
8300	10725	57050	9	-6
8300	10750	56962	11	-7
8300	10775	56892	12	-7
8300	10800	57042	11	-8
8300	10825	56984	16	-8
8300	10850	56949	14	-7
8300	10875	57039	17	-6
8300	10900	57005	4	-4
8300	10925	56974	2	-2
8300	10950	56994	-1	-1
8300	10975	57064	1	0
8300	11000	56969	0	0
8300	11025	56908	1	-1
8300	11050	56965	8	1
8300	11075	56887	9	0
8300	11100	57006	11	0
8300	11125	57217	12	0

8300	11150	56882	13	0
8300	11175	56927	18	0
8300	11200	57049	23	-1
8300	11225	56972	25	-1
8300	11250	56864	12	-3
8300	11275	56906	19	3
8300	11300	57088	21	1
8300	11325	57024	28	2
8300	11350	57319	24	-4
8300	11375	57114	24	-8
8300	11400	56887	18	-7
8300	11425	56727	6	-6
8300	11450	56665	-2	-2
8300	11475	56558	0	5
8300	11500	56884	3	9
8300	11525	57445	11	10
8300	11550	57567	16	7
8300	11575	58150	16	1
8300	11600	57990	25	0
8300	11625	58080	26	-4
8300	11650	58646	36	-5
8300	11675	58011	43	-8
8300	11700	58180	55	-4
8300	11725	57753	50	-4
8300	11750	57195	18	-4
8300	11775	57387	3	-2
8300	11800	57706	10	4
8300	11825	57045	12	5
8300	11850	58125	20	2
8300	11875	58448	25	4
8300	11900	59080	26	5
8300	11925	58826	22	3
8300	11950	58415	19	2
8300	11975	58604	17	2
8300	12000	58433	13	2
8300	12025	58615	14	4
8300	12050	58512	8	3
8300	12075	57940	-4	0
8300	12100	57896	-12	-1
Line 8200				
8200	9550	57304	0	3
8200	9575	57225	4	2
8200	9600	57201	5	2
8200	9625	57259	2	3
8200	9650	57283	11	6
8200	9675	57242	12	4
8200	9700	57294	10	4
8200	9725	57340	7	2
8200	9750	57312	11	3
8200	9775	57442	14	3
8200	9800	57521	17	4
8200	9825	57854	20	4
8200	9850	57765	21	2
8200	9875	57600	22	2
8200	9900	57595	19	-1
8200	9925	57529	18	-3
8200	9950	57520	15	1
8200	9975	57661	16	0
8200	10000	57503	12	0
8200	10025	57442	7	1
8200	10050	57365	6	4
8200	10075	57307	7	4
8200	10100	57349	5	2
8200	10125	57416	4	2

8200	10150	57454	4	4
8200	10175	57364	4	4
8200	10200	57502	6	6
8200	10225	57392	2	5
8200	10250	57134	6	6
8200	10275	57010	13	10
8200	10300	57012	13	8
8200	10325	57166	11	4
8200	10350	57107	10	4
8200	10375	57070	13	5
8200	10400	57007	11	5
8200	10425	57026	0	2
8200	10450	57034	0	4
8200	10475	57067	0	5
8200	10500	57045	-2	4
8200	10525	57028	-1	3
8200	10550	56993	0	2
8200	10575	57054	0	0
8200	10600	57012	2	-1
8200	10625	56970	5	1
8200	10650	56980	11	0
8200	10675	56878	20	-1
8200	10700	56985	20	-6
8200	10725	57397	20	-6
8200	10750	57175	29	-5
8200	10775	57013	27	-6
8200	10800	56897	31	-5
8200	10825	56924	35	-8
8200	10850	56843	33	-5
8200	10875	56951	11	-1
8200	10900	57012	-2	2
8200	10925	56961	-2	5
8200	10950	56880	-2	4
8200	10975	56978	1	2
8200	11000	56929	2	4
8200	11025	57040	5	2
8200	11050	56965	4	0
8200	11075	56909	11	0
8200	11100	57175	17	3
8200	11125	57382	16	2
8200	11150	57073	16	1
8200	11175	56926	15	-2
8200	11200	56990	17	-1
8200	11225	57026	16	-3
8200	11250	56919	20	-1
8200	11275	56962	20	0
8200	11300	56882	17	0
8200	11325	56977	13	-1
8200	11350	56850	12	-2
8200	11375	57024	14	-2
8200	11400	56926	8	-4
8200	11425	56840	4	-2
8200	11450	56872	2	0
8200	11475	56767	5	3
8200	11500	56456	9	7
8200	11525	56819	13	11
8200	11550	57176	11	7
8200	11575	57298	9	3
8200	11600	57921	14	0
8200	11625	58099	24	-1
8200	11650	57971	29	-5
8200	11675	58399	37	-6
8200	11700	58505	47	-6
8200	11725	57868	45	-7

8200	11750	58241	44	-6
8200	11775	57053	16	-1
8200	11800	57714	6	0
8200	11825	58175	14	6
8200	11850	57946	22	6
8200	11875	58366	28	8
8200	11900	58139	29	5
8200	11925	58542	26	5
8200	11950	58964	17	3
8200	11975	59164	10	2
8200	12000	59802	17	5
8200	12025	58955	16	5
8200	12050	58165	13	5
8200	12075	58550	13	8
8200	12100	58651	-6	0

APPENDIX III
GEOPHYSICAL EQUIPMENT SPECIFICATIONS

MP-2 PROTON PRECESSION MAGNETOMETER

Resolution: 1 gamma

Total Field Accuracy: \pm gamma over full operating range

Range: 20,000 to 100,000 gammas in 25 overlapping steps.

Internal Measuring Program: A reading appears 1.5 seconds after depression of Operate Switch & remains displayed for 2.2 secs. Recycling feature permits automatic repetitive readings at 3.7 sec. intervals.

External Trigger: External trigger input permits use of sampling intervals longer than 3.7 seconds.

Display: 5 digit LED readout displaying total magnetic field in gammas or normalized battery voltage.

Data Output: Multiplied precession frequency and gate time outputs for base station recording using interfacing optionally available from Scintrex.

Gradient Tolerance: Up to 5,000 gammas/meter.

Power Source: 8 size D cells \approx 25,000 readings at 25° C under reasonable conditions.

Sensor: Omnidirectional, shielded, noise-cancelling dual coil, optimized for high gradient tolerance.

Harness: Complete for operation with staff or back pack sensor.

Operating Temperature Range: -35 to +60° C.

Size: Console, 8 x 16 x 25 cm; Sensor, 8 x 15 cm; Staff 30 x 66 cm;

Weights: Console, 1.8 kg; Sensor, 1.3 kg; Staff, 0.6 kg;

Manufacturer: Scintrex
222 Snidercroft Road
Concord, Ontario

GEONICS LIMITED
VLF EM 16

Source of Primary Field VLF transmitting stations

Transmitting Stations Used: Any desired station frequency can be supplied with the instrument in the form of plug-in tuning units. Two tuning units can be plugged in at one time. A switch selects either station.

Operating Frequency Range: About 15-25 Hz.

Parameters Measured: 1- The vertical in-phase component (tangent of the tilt angle of the polarization ellipsoid).
2- The vertical out-of-phase (quadrature) component (the short axis of the polarization ellipsoid compared to the long axis).

Method of Reading: In-phase from a mechanical inclinometer and quadrature from a calibrated dial. Nulling by audio tone

Scale Range: In-phase $\pm 150\%$; quadrature $\pm 40\%$

Readability: $\pm 1\%$

Operating Temperature Range: -40 to 50° C.

Operating Controls: ON-OFF switch, battery testing push button, station selector, switch, volume control, quadrature dial $\pm 40\%$, inclinometer $\pm 150\%$

Power Supply: 6 size AA alkaline cells ≈ 200 hrs.

Dimensions: 42 x 14 x 9 cm (16 x 5.5 x 3.5 in)

Weight: 1.6 kg. (3.5 lbs)

Instrument Supplied With: Monotonic speaker, carrying case, manual of operation, 3 station selector plug-in tuning units (additional frequencies are optional) set of batteries.

Manufacturer: Geonics Limited
1745 Meyerside Drive/Unit 8
Mississauga, Ontario
L5T 1C5

APPENDIX IV
GEOPHYSICAL INTERPRETATION

**COPPER MOUNTAIN AREA, TAS CLAIMS
GEOPHYSICAL INTERPRETATION SUMMARY
MORELEIGH MINERALS CORPORATION**

Discussion of Results

A total of 89.5 km. of total field magnetic survey and VLF EM survey were carried out on the TAS claims survey grid. Survey lines were spaced at 50 meter intervals in the northern quarter of grid and at 100 meter intervals in the rest of the grid. Station spacing was 25 meters on all lines. Magnetic contours are displayed on Figure # G1 and magnetic profiles, at a profile scale of 1 cm. = 1000 nT, are shown on Figure # G2.

VLF EM profiles show a moderate to strong response to widespread conductivity as displayed on Figure # G3. Topographic bias, due to up and down-slope VLF instrument orientation, can be seen in VLF EM profiles on all survey lines. Topographic bias in rugged terrain can produce profile characteristics which resemble real conductors although they are usually broad and follow the topographic contours. A number of these characteristics can be seen in the present data. These features were not interpreted as VLF anomalies. Those anomalies which are considered bona fide, in many cases, form conductive systems which trend north-south, north-east and sometimes north-west as shown on the interpretation map, Figure # G4. With reference to mapped geology, magnetic results were used to predict general geologic domains within the survey grid. Magnetic lineaments suggest faults trending northerly, north-west and north-east as shown on Figure #G4.

Conclusions

General local surface rock types predicted from magnetic data are believed to be intrusive rocks, probably of the Copper Mountain Stock, which have intruded older volcanic rocks. The intrusive bodies, as suggested by magnetic data, appear to be broken up by faults and occur in sections or pods suggesting that they may be apophyses of the main intrusion. Magnetic profile character indicates that there are four separate areas of the intrusive rock type that have large depth extent or deep "roots". These areas are shown on Figure # G4. Other magnetic highs seem to show a smaller base and less depth extent suggesting that they represent dykes or sills. Magnetic lows, which are lower than the low magnetic background of the volcanic rocks, have been interpreted as alteration zones. These alteration zones may be due to alteration in faults and fault intersections, and are believed to be important areas for additional exploration. Regions which contain VLF EM conductors, interpreted faults and conductive faults associated with the magnetic intrusive have been interpreted as target areas which may contain economic sulphides. These target areas have been labeled with priority numbers for follow-up exploration.

Target 1

A linear north north-west trending magnetic high, which includes a number of stronger wider highs, is interpreted as a dyke of the intrusive material, which has intruded along a structure. This dyke, shown on the Geophysical Interpretation Map as "Dyke - Intrusive Rock Type" correlates with VLF conductivity in the northern third of the survey grid. The conductive portion of this dyke, especially the part above 5465000N, is assigned priority 1. Both the conductive dyke as well as a north north-east conductive fault splaying off from the dyke are considered good exploration targets.

Target 2

The area described as target 2 is mainly north of the TAS 1/TAS 2 claim line. Target area 2 falls within one of the interpreted intrusive rock zones which magnetic profiles indicate has a large depth extent or "root". Northerly trending conductive faults, fault intersections and conductivity within this region are second priority follow-up targets.

Target 3

Target 3, also in an intrusive with a deep root, consists of conductive faults and a fault intersection which may contain sulphide mineralization.

Target 4

The two southern survey lines, separated by 300 meters from the main grid, show one of the strongest VLF EM conductors on the property. This north-west trending conductor falls within the most southerly deep rooted magnetic intrusive outlined by the present grid. Conductivity coincides with lower magnetism which may indicate sulphide conductivity within a fault.

Target 5

This target is in the region of the legal corner post and the claim line between the TAS 1 and 2 claims. Target 5 includes conductivity in rocks interpreted as volcanics but which is associated with an interpreted north north-west fault which continues from the volcanics south-east into the intrusive rock. A fault, which seems to be partly conductive, appears to splay off to the north-east into volcanic rocks. The conductive portion of this fault, near the intersection with the main north north-west fault, is also considered part of target 5, although VLF EM profiles indicate that conductivity is narrow and has limited depth extent.

Target 6

Target 6 is near the northern claim boundary in the vicinity of Tie Line 11200. The target consists of three short, moderate to weak conductors within the intrusive rock type.

Target 7

Strong north-south VLF EM conductors in the north-east corner of the survey area are associated with edges of small patches of intrusive rocks. These conductors may represent conductive sulphides within short faults and are considered priority 7.

Other conductors

Other conductive features, especially those associated with structure, warrant consideration for additional exploration. Exploration priorities or priority changes of the above targets should be based on supporting geochemical and geological information.

Recommendations

Based on the present geophysical interpretation, additional geological and geochemical investigations should be carried out on specific conductors in order to test for the presence of economic sulphides. Additional electromagnetic surveys, such as horizontal loop, should be considered for targets 1 through 7 as well as other conductors that exhibit positive geochemical and geological attributes in order to more accurately define target depth, geometry and conductance. This data coupled with geological and geochemical information should then be used to plan drill priorities.

STATEMENT OF QUALIFICATIONS

I Edwin Ross Rockel, Geophysicist of Surrey, British Columbia, Canada, hereby certify that:

1. I received a B.Sc. degree in Geophysics from the University of British Columbia in 1966.
2. I currently reside at 13000 54A Avenue, in the Municipality of Surrey, in the Province of British Columbia.
3. I have been practicing my profession since graduation.
4. I am a Professional Geoscientist registered in the Province of British Columbia.
5. I am a Professional Geoscientist registered in the Province of Newfoundland.
6. I am a Professional Geoscientist registered in the Northwest Territories.
7. I hold no direct or indirect interest in, nor expect to receive any benefits from, the mineral property or properties described in this report.
8. This report may be used for the development of the property, provided that no portion will be used out of context in such a manner as to convey meanings different from that set out in the whole.
9. Consent is hereby given to the company for which this report was prepared to reproduce the report or any part of it for the purposes of development of the property, or facts relating to the raising of funds by way of a prospectus and/or statement of material facts.

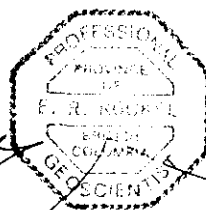
Dated: _____

June 17, 1997

Signed: _____



Edwin Ross Rockel, B.Sc., P. Geo.
Surrey, British Columbia



APPENDIX V
REPORT ON THIN SECTIONS



Vancouver Petrographics Ltd.

8080 GLOVER ROAD, LANGLEY, B.C. V3A 4P9
PHONE (604) 888-1323 • FAX (604) 888-3642

Report for: Grant F. Crooker,
GFC Consultants Inc.,
P.O. Box 404,
KEREMEOS, B.C.
VOX 1N0

Job 960893

January 9, 1997

SAMPLES:

5 rock samples, numbered TS 102-1 through 102-5, from the Copper Mountain area were submitted for thin sectioning and petrographic examination.

SUMMARY:

All these rocks are of closely similar general type, being rather fine-grained, sub-porphyrific, quartz-free, igneous rocks having the composition and textural aspect of intrusive monzonites.

In all cases they consist predominantly of feldspars, being aggregates of subhedral prismatic plagioclase, in the size range 0.2-1.5 mm, intergrown with interstitial K-feldspar. Mafics are typically pyroxene and/or amphibole.


Sample 102-1 shows mild sericitization of the plagioclase. Mafics (clino-pyroxene plus minor biotite) are notably fresh.

Sample 102-2 is similar, but contains amphibole as the mafic accessory. It contains abundant, randomly disseminated sulfides (pyrite plus possible chalcopyrite).

Sample 102-3 is distinctive in showing a heterogeneous distribution of K-feldspar. It may be a breccia of monzonite in microdiorite, or a product of patchy K-feldspathization related to a vein of K-spar which cuts the sectioned portion. Mafics (pyroxene partially modified to hornblende) show more or less strong chloritization. Plagioclase is weakly epidotized, and the rock is cut (as are most of the suite) by hairline veinlets of epidote.

Sample 102-4 is distinctive for its high content of epidote, as fracture fillings and clumpy replacements. The host rock is a rather leucocratic monzonite.

Sample 102-5 resembles 102-1, but is somewhat more altered. The plagioclase shows mild sericitization and epidotization. The sectioned area is cut by a prominent thin veinlet of epidote.


J.F. Harris Ph.D. (929-5867)

SAMPLE: TS 102-1

MONZONITE

Estimated mode

Plagioclase	42
K-feldspar	24
Sericite	8
Pyroxene	17
Biotite	3
Chlorite	2
Epidote	0.5
Apatite	0.5
Opagues	3

This rock consists essentially of an intergrowth of plagioclase and K-feldspar which forms a matrix to individual vari-sized grains of mafics.

The plagioclase is in the form of an aggregate of subhedral to anhedral, stumpy to elongate, prismatic grains, 0.5 - 1.5 mm in size, locally showing a weak preferred orientation.

K-feldspar, as anhedral grains and microgranular aggregates, typically in the size range 0.2 - 0.5 mm, occurs in interstitial relation to the plagioclase, occasionally concentrating as pockety segregations.

The plagioclase shows a fairly even, light to moderate, pervasive dusting of sericite. The K-spar is fresh.

The principal mafic is a pale green clinopyroxene, which occurs as rather evenly scattered, subhedral, sometimes skeletal/poikilitic grains, 0.1 - 1.5 mm in size. Brown biotite is a minor accessory, as sporadic clumps of similar grain size to the pyroxene but generally independent of it.

The sectioned area also includes one or two coarser mafic phenocrysts, 3 - 4 mm in size, consisting of intimate lamellar intergrowths of pyroxene and biotite, in which the latter is clearly a modification (magmatic reaction product) of original pyroxene.

For the most part the pyroxene is fresh, but it sometimes shows localized mild chloritization, as does the biotite.

Granular opaques (probably a mixture of Fe oxides and sulfides) are rather abundant, and show a close association with the mafic silicates. Some dispersed limonite staining occurs around the opaques, suggestive of incipient oxidation of the sulfides. They form equant grains 0.05 - 0.5 mm in size, occasionally aggregated as clumps. Apatite is a more minor, but nevertheless widespread minor constituent, as individual tiny euhedra.

The rock is cut by a bi-directional system of hairline fractures

Sample TS 102-1 cont.

which are sometimes partially infilled by epidote. Some also show local concentrations of sulfides.

This rock has the typical petrographic features of a fine to medium-grained intrusive monzonite.

SAMPLE: TS 102-2

MONZONITE

Estimated mode

Plagioclase	40
K-feldspar	25
Sericite)	
Clays)	9
Hornblende	16
Epidote	0.5
Apatite	0.5
Sphene	trace
Opaques	9

This rock is of similar general lithology to 102-1, but differs slightly in texture and mafic mineralogy.

It consists predominantly of feldspars, as an aggregate of grain size 0.2 - 1.0 mm. Plagioclase forms a meshwork to sub-oriented aggregate of euhedral/subhedral prismatic grains, with K-feldspar in interstitial mode. The plagioclase shows mild to moderate pervasive alteration to very fine-grained sericite and/or clays.

The mafic component in this sample is hornblende, as euhedral/subhedral individuals, 0.2 - 2.0 mm in size, sometimes aggregated as small clumps. Some of the amphibole is of fibro-acicular habit, and it may, in part, represent a late magmatic modification of original pyroxene. A few clumps show minor alteration to epidote.

The distribution of mafics through the rather fine-grained feldspar matrix constitutes a sub-porphyritic texture. There are also rare coarser (strongly elongate) plagioclase grains to 2.0 mm or more which are of sub-phenocrystic character.

Amphibole also occurs in fine-grained flecks, as a minor accessory constituent interstitial to the feldspars of the matrix.

Opaques - as abundant equant grains, 0.05 - 0.2 mm in size, often aggregated as coarser clumps and loose clusters - are the principal matrix accessory. These appear (from observations of the off-cut) to be mainly pyrite. Interestingly, the sulfides show no preferential association with the hornblende but, rather, occur with the interstitial K-feldspar. Their distribution does not seem structurally controlled, and they have the appearance of a primary constituent.

SAMPLE: TS 102-3

MONZONITE/MICRODIORITE

Estimated mode

Plagioclase	43
K-feldspar	30
Epidote	3
Pyroxene	5
Hornblende	9
Chlorite	6
Biotite	trace
Apatite	trace
Rutile)	4
Opagues)	

The stained off-cut of this sample displays a notably heterogenous distribution of K-feldspar (yellow stain) which, in part, suggests a form of breccia - the potassic areas representing monzonite fragments in a matrix of diorite. The sectioned area is cut by a prominent, sharply defined veinlet of K-feldspar.

In thin section, the postulated two lithotypes appear very similar, consisting of rather fine-grained aggregates of plagioclase, of grain size 0.2 - 0.5 mm (locally to 1.0 mm) with - in the case of the monzonitic variant - a more or less abundant component of interstitial microgranular K-feldspar.

Mafics consist of pyroxene, partly modified to amphibole and more or less strongly altered to chlorite. This component occurs as ragged, small, randomly disseminated grains, plus occasional coarser skeletal clumps.

In the potassic assemblage, remnants of pyroxene are typically preserved, but in the dioritic areas pyroxene is typically absent, and hornblende is the norm.

The feldspars (both plagioclase and K-spar) in this rock are largely fresh (but for an overall turbidity). However, scattered grains of plagioclase show partial replacement by epidote. The predominant mode of occurrence of epidote is as infillings of hairline fractures.

The K-feldspar veinlet is 1.5 - 2.0 mm in thickness and has a feathery to fine-grained meshwork texture. It is possible that the patchy K-feldspar distribution in the rock at large is a form of irregular K-metasomatism marginal to the veinlet; however, such a relationship is not clearly indicated.

An irregular, greenish patch, 0.5 - 1.0 cm in size, with a high concentration of opaques is readily apparent from macroscopic examination of the thin section. This is partly composed of compact secondary biotite, and appears to be a modified mafic-rich xenolith.

Accessory opaques in this rock appear to be mainly Fe-Ti oxides.

SAMPLE: TS 102-4

EPIDOTIZED MONZONITE

Estimated mode

Plagioclase	30
K-feldspar	35
Epidote	27
Chlorite	4
Limonite	3
Apatite	trace
Opaques	1

The stained off-cut clearly indicates that this is another monzonitic rock, composed essentially of an intimate intergrowth of plagioclase and K-feldspar. Its distinctive dark blotched appearance is caused by localized segregations of epidote.

The primary lithology in this case is that of a rather leucocratic monzonite, consisting of a blocky anhedral aggregate of feldspars of grain size 0.1 - 2.0 mm. To some extent the K-spar component is ophitic, incorporating smaller prismatic grains of plagioclase.

Both feldspar species appear essentially fresh but for diffuse turbidity.

Minor accessory mafics occur throughout as irregular flecks, clumps and networks interstitial to the feldspar aggregate. They consistently show strong alteration to chlorite and limonitic secondary products (and occasional epidote), and their original mineralogy is indeterminate. The prevalence of lamellar textures suggests, however, that they may, in part, be of biotite ancestry. Opaques are notably less abundant than in previous samples.

Epidote forms thin, multidirectional fracture fillings, 0.05 - 0.5 mm in thickness, and prominent, sporadic, vari-granular (partly radiate/acicular) masses up to 5 mm or so in size. The control on the latter is unclear, but they generally seem to be related to (connected by) the epidote fractures, and they appear to be replacements of the host rock, independent of its mineralogy. In some cases the epidote masses have fringes or interstitial pockets of limonitic material, possibly derived from the assimilation of primary mafics.

SAMPLE: TS 102-5

MONZONITE

Estimated mode

Plagioclase	42
K-feldspar	20
Sericite	5
Pyroxene	9
Hornblende	14
Epidote	7
Apatite	trace
Rutile)	2
Opagues)	
Limonite	1

Comparison of the stained off-cuts suggests that this sample is very similar to 102-1.

In thin section it is found to be a monzonite of similar grain size (0.2 - 1.0 mm) to 102-1, but of a more "messy" appearance - resulting from pervasive alteration.

It is composed essentially of a blocky to meshwork-textured intergrowth of plagioclase, K-feldspar and mafics. The K-spar interstitially cements the dominantly subhedral prismatic plagioclase grains, and the relatively abundant mafics occur throughout as evenly disseminated individuals of similar grain size to the feldspars, plus a few coarser phenocrysts up to 3 mm in size.

The plagioclase shows mild dustings of fine-grained sericite, and is also commonly flecked and core-replaced by microgranular epidote. The K-spar is fresh.

Mafics are partly recognizable as clinopyroxene, but show all stages of modification to amphibole, as networks, rims and total pseudomorphic replacements. This is probably a late magmatic reaction effect.

Sporadic disseminated opaques may be partly sulfides - now apparently more or less strongly oxidized. Derived limonite forms pervasive flecks and hairline wisps in grain boundaries and incipient microfractures throughout the rock.

The sectioned portion is cut by a prominent veinlet or fracture-controlled replacement zone, 1 - 1.5 mm in thickness, composed of compact, microgranular epidote.

APPENDIX VI
ROCK SAMPLE DESCRIPTIONS

ROCK SAMPLE DESCRIPTIONS

Sample No.	Grid Coord	Description
1-206	08800N 11425E	-float, felsic dyke? light grey matrix, fractured, 5% disseminated pyrite, Cu 12 ppm, Au <5 ppb, Ag 0.2 ppm
1-207	09100N 11675E	-float, weakly bleached andesite, manganese stain, traces of pyrite on fractures, Cu 355 ppm, Au <5 ppb, Ag 0.6 ppm
1-208	09810N 11715E	-grab, light grey felsic intrusive, 1-5% pyrite disseminated and along fractures, Cu 81 ppm, Au <5 ppb, Ag 0.2 ppm
1-209	09805N 11712E	-grab from old hand trench, dark grey-green volcanic, 5%+ pyrite disseminated and along fractures, Cu 66 ppm, Au <5 ppb, Ag 0.4 ppm
1-210	09800N 11714E	-grab, intrusive, weak pink potassic alteration around pyrite disseminations, 5-10% pyrite disseminated and along fractures, Cu 122 ppm, Au <5 ppb, Ag 0.6 ppm
1-211	09800N 11050E	-grab, intrusive, traces of pyrite, malachite, magnetite and chalcopyrite? on fractures, manganese stain, moderate epidote and K-spar, Cu 1855 ppm, Au <5 ppb, Ag 2.0 ppm
1-212	09800N 10975E	-float, strong epidote, silicified, 10-15% magnetite, 3% boxworks, Cu 26 ppm, Au <5 ppb, Ag <0.2 ppm
1-213	09800N 09875E	-grab, diorite, epidote and K-spar along fractures and disseminated, manganese stain, < 1 mm magnetite veinlets, Cu 188 ppm, Au <5 ppb, Ag <0.2 ppm
1-214	11300N 09815E	-float, rusty, fractured, intrusive? 1-2% pyrite along fractures and disseminated, 1/4% chalcopyrite along fractures and disseminated, Cu 1370 ppm, Au ,5 ppb, Ag 1.2 ppm
1-216	08300N 11200E	-grab, dark green andesite, 1-3% pyrite along fractures and disseminated, Cu 77 ppm, Au <5 ppb, Ag 0.2 ppm
1-217	09200N 10475E	-grab, massive green andesite, 2-4% pyrite along fractures and disseminated, Cu 84 ppm, Au <5 ppb, Ag 0.6 ppm, Zn 1905 ppm
1-218	09485N 10050E	-grab, moderately epidote and K-spar altered diorite, 1% pyrite disseminated and along fractures, 1% chalcopyrite and traces of malachite along fractures, Cu 3050 ppm, Au 45 ppb, Ag 3.2 ppm

Sample No.	Grid Coord	Description
1-219	09390N 10100E	-grab. intrusive, epidote and K-spar on fractures with 1/2% pyrite, Cu 359 ppm, Au <5 ppb, Ag 1.0 ppm
1-220	09875 10010E	-grab. diorite, K-spar along fractures, rusty fractures with 1% pyrite, 1-3 mm cavities may have had chalcopyrite, Cu 307 ppm, Au <5, Ag 0.4 ppm
1-221	09405N 09950E	-grab. diorite, epidote and k-spar along fractures, 1/2% chalcopyrite on fractures, mainly with K-spar, Cu 1335 ppm, Au 25 ppb, Ag 2.0 ppm
1-222	11390N 10150E	-grab. fine-grained tuff, manganese stain, rusty fractures, 10-15% disseminated pyrite, Cu 381 ppm, Au <5 ppb, Ag 0.2 ppm
1-223	11225N 10125E	-grab. fine-grained tuff, fracturing with epidote, K-spar, magnetite, malachite, fine-grained chalcopyrite, Cu 3980 ppm, Au 20 ppb, Ag 4.2 ppm
1-224	11040N 10025E	-grab dump. coarse-grained tuff, 10-25% pyrite, epidote on fractures, Cu 199 ppm, Au 15 ppb, Ag 0.2 ppm
1-225	11205N 10000E	-grab, dump, coarse grained tuff, 5-20% pyrite along fractures, Cu 135 ppm, Au 15 ppb, Ag <0.2 ppm

APPENDIX VII
SUMMARY OF 1996 WORK

Moreleigh Minerals Corp

Tas Claims, Grid Work, 1996

line	station to-from	grid m	soils no.	mag m	vlf m
10000E	11500N-7700N	3800	-	-	-
11200E	11500N-8600N	2900	-	-	-
BL 11500N	10000E-12100E	2100	-	-	2100
BL 11500N	10000E-9675E	325	-	-	325
BL 11450N	10000E-12100E	2100	85	2100	2100
BL 11450N	10000E-9650E	350	14	350	350
BL 11400N	10000E-12100E	2100	-	-	2100
BL 11400N	10000E-9675E	325	-	-	325
BL 11350N	10000E-12100E	2100	84	2100	2100
BL 11350N	10000E-9650E	350	14	350	350
BL 11300N	10000E-12100E	2100	-	-	2100
BL 11300N	10000E-9675E	325	-	-	325
BL 11250N	10000E-12100E	2100	85	2100	2100
BL 11250N	10000E-9650E	350	14	350	350
BL 11200N	10000E-12100E	2100	-	-	2100
BL 11200N	10000E-9675E	325	-	-	325
BL 11150N	10000E-12100E	2100	85	2100	2100
BL 11150N	10000E-9650E	350	14	350	350
BL 11100N	10000E-12100E	2100	-	-	2100
BL 11100N	10000E-9675E	325	-	-	325
BL 11050N	10000E-12100E	2100	83	2100	2100
BL 11050N	10000E-9650E	350	14	350	350
BL 11000N	10000E-12100E	2100	-	-	2100
BL 11000N	10000E-9675E	325	-	-	325
BL 10900N	10000E-12100E	2100	83	2100	2100
BL 10900N	10000E-9650E	350	14	350	350
BL 10800N	10000E-12100E	2100	82	2100	2100
BL 10800N	10000E-9650E	350	14	350	350
BL 10700N	10000E-12100E	2100	83	2100	2100
BL 10700N	10000E-9650E	350	14	350	350
BL 10600N	10000E-12100E	2100	84	2100	2100
BL 10600N	10000E-9650E	350	14	350	350
BL 10500N	10000E-12100E	2100	83	2100	2100
BL 10500N	10000E-9650E	350	14	350	350
BL 10400N	10000-12100E	2100	84	2100	2100

line	station to-from	grid m	soils no.	mag m	vlf m
BL 10400N	10000E-9650E	350	14	350	350
BL 9900N	10000E-12100E	2100	84	2100	2100
BL 9900N	10000E-9700E	300	12	300	300
BL 9800N	10000E-12100E	2100	84	2100	2100
BL 9800N	10000E-9700E	300	13	300	300
BL 9700N	10000E-12100E	2100	84	2100	2100
BL 9700N	10000E-9700E	300	12	300	300
BL 9600N	10000E-12100E	2100	85	2100	2100
BL 9600N	10000E-9700E	300	12	300	300
BL 9500N	10000E-12100E	2100	85	2100	2100
BL 9500N	10000E-9700	300	12	300	300
BL 9400N	10000E-12100E	2100	85	2100	2100
BL 9400N	10000E-9700E	300	12	300	300
BL 9300N	10000E-12100E	2100	84	2100	2100
BL 9300N	10000E-9750E	250	9	250	250
BL 9200N	10000E-12100E	2100	85	2100	2100
BL 9200N	10000E-9750E	250	10	250	250
BL 9100N	10000E-12100E	2100	-	-	2100
BL 9100N	10000E-9875E	125	-	125	125
BL 9000N	10000-12100E	2100	-	-	2100
BL 9000N	10000E-9875E	125	-	125	125
BL 8900N	10000E-12100E	2100	84	2100	2100
BL 8900N	10000E-9800E	200	8	200	200
BL 8800N	10000E-12100E	2100	85	2100	2100
BL 8800N	10000E-9800E	200	8	200	200
BL 8700E	10000E-12100E	2100	85	2100	2100
BL 8700N	10000E-9600E	400	16	400	400
BL 8600N	10000E-12100E	2100	85	2100	2100
BL 8600N	10000E-9600E	400	16	400	400
BL 8300N	10000E-12100E	2100	-	2100	2100
BL 8300N	10000E-9550E	450	18	450	450
BL 8200N	10000E-12100E	2100	-	2100	2100
BL 8200N	10000E-9550E	450	18	450	450
BL 7600N	10000E-12100E	2100	-	-	-
Totals (all pages)		88,550	2,349	61,000	79,750

Analyzed

1117 soils
20 rocks

ICP and Au
ICP and Au

c:\WPWIN60\WPIDOC\STATAS\GRIDST96.WPD

APPENDIX VIII
COST STATEMENT

COST STATEMENT

SALARIES

Grant Crooker, Geologist July 15, 1996-February 28, 1997 48 days @ \$ 400.00/day	\$ 19,200.00
Bill Botel, Geologist October 24, 1996 1 day @ \$ 400.00/day	400.00
Lee Mollison, Field Assistant July 15-August 31, 1996 15 days @ \$ 200.00/day	3,000.00
Mike Harris, Field Assistant July 15-October 28, 1996 39 days @ \$ 200.00/day	7,800.00
Reg Barber, Field Assistant July 15-October 28, 1996 39 days @ \$ 200.00/day	7,800.00
Jaimee Barber, Field Assistant July 15-November 30, 1996 25 days @ \$ 150.00/day	3,750.00

MEALS AND ACCOMMODATION

Grant Crooker - 33 days @ \$ 50.00/day	1,650.00
Bill Botel - 1 day @ \$ 50.00/day	50.00
Lee Mollison - 15 days @ \$ 50.00/day	750.00
Mike Harris - 39 days @ \$ 50.00/day	1,950.00
Reg Barber - 39 days @ \$ 50.00/day	1,950.00
Jaimee Barber - 21 days @ \$ 50.00/day	1,050.00

TRANSPORTATION

Vehicle Rental (Chev 3/4 ton 4x4) July 15-October 28, 1996 33 days @ \$ 60.00/day	1,980.00
Vehicle Rental (Ford 3/4 ton 4 x 4) July 15-October 28, 1996 39 days @ \$ 60.00/day	2,340.00
Gasoline	1,408.25

EQUIPMENT RENTAL

Magnetometer Rental, (Scintrex MP-2) July 15-October 28, 1996 39 days @ \$ 25.00/day	975.00
VLF-EM (Geonics EM-16) July 15-October 28, 1996 39 days @ \$ 25.00/day	975.00
GPS Unit (Micrologic)	100.00

GEOCHEMICAL ANALYSIS

1117 soil samples - 32 element ICP, Au FA+AA @ \$ 17.92	20,016.64
20 rock samples - 32 element ICP, Au FA+AA @ \$ 22.04	440.80

SUPPLIES 1,550.72

FREIGHT 54.69

TELEPHONE 100.30

TOPOGRAPHIC MAP 4,500.00

THIN SECTIONS 566.93

GEOPHYSICAL INTERPRETATION 1,500.00

DRAFTING

350.00

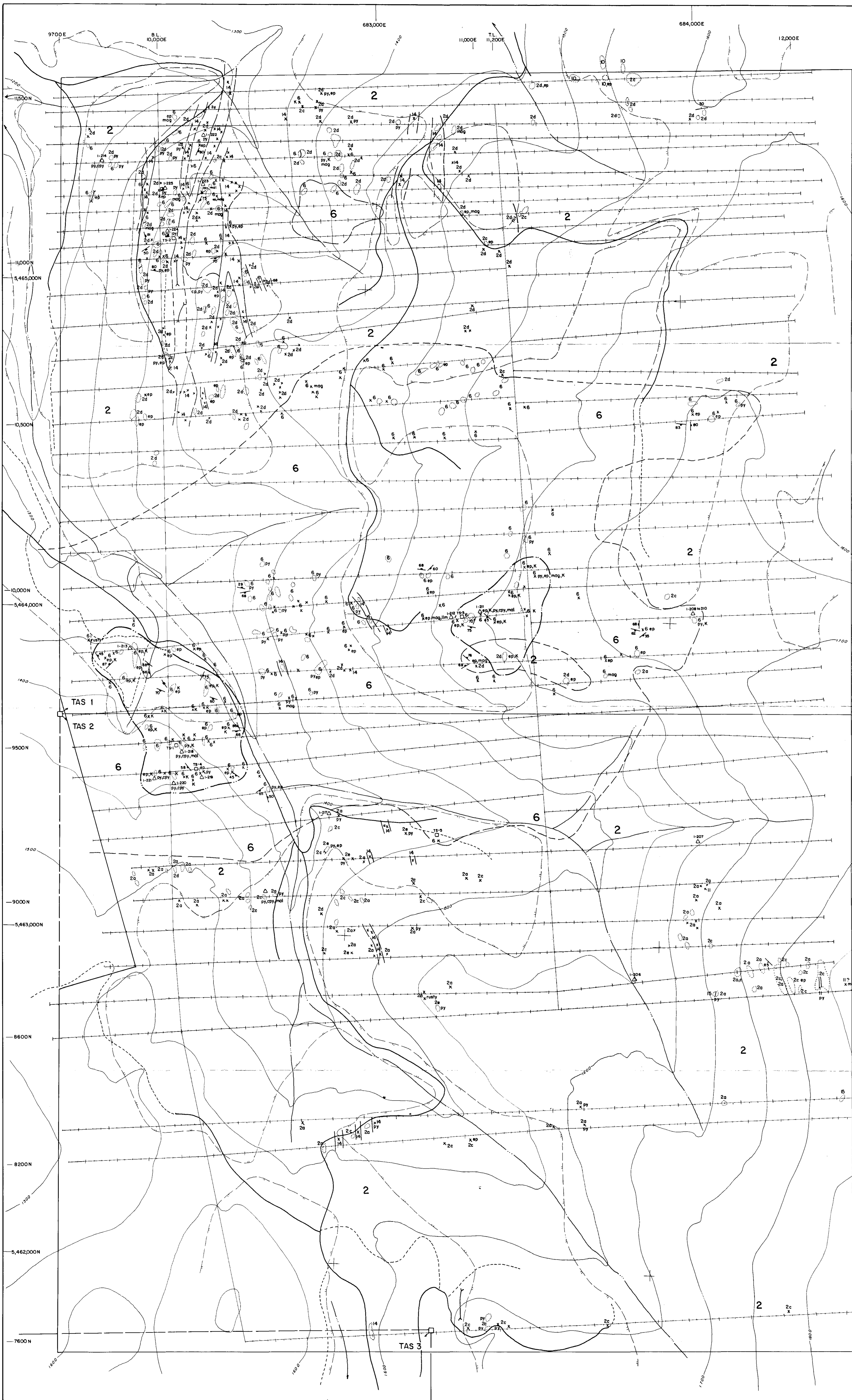
PREPARATION OF REPORT

copying, reproduction, office overhead

1,000.00

TOTAL

\$ 87,208.33



- TERTIARY**
MIDDLE EOCENE
 Princeton Group
 17 Lower Volcanic Fm.
 17a Grey andesite & dark mafic dykes
- POST LOWER CRETACEOUS**
 15 Dykes, grey andesite feldspar porphyry
 14 Mine dykes, light grey & buff felsite, quartz, quartz-feldspar & feldspar porphyry
- UPPER LOWER CRETACEOUS**
 13 Verde Creek Quartz Monzonite, porphyritic biotite-hornblende quartz monzonite B/or granite
- JURASSIC**
 Copper Mountain Intrusions
 Lost Horse Intrusions
 12 Latite microdiorite & microsyenite porphyry
 11 Porphyritic augite & biotite-augite, microdiorite, microzononite & microsyenite
 Copper Mountain Stock
 10 Microdiorite & latite porphyry dykes
 6 Monzonite
- UPPER TRIASSIC**
 Nicola Group
 2 Wolf Creek Fm.
 2a Massive andesite, minor basalt & dacite
 2b Pillow lava
 2c Volcanic breccia & agglomerate
 2d Grey, green, buff & brownish, commonly graded bedded, andesitic tuff, minor volcanic, siltstone & sandstone
 2e Undifferentiated
- py Pyrite
 ep Epidote
 mag Magnetite
 cpy Chalcopyrite
 mal Malachite
 K Potash feldspar alteration
 lim Limonite

- Geological contact - located, approx., assumed
 Fault - located, approx., assumed
 Attitude of bedding - inclined, vertical
 Primary foliation in intrusive rocks
 Fracture - inclined, vertical
 Cleavage
 Schistosity
 Lineament
 Trench
 Shaft
 Rock sample location & No.
 Thin section location & No.
 Legal corner post
 Clear cut logging
 Road, cat trail
 Stream
 Contour Interval 50m.
 Grid line & station
 Potassic alteration

Sample No.	Au ppb	Ag ppm	As ppm	Cd ppm	Cu ppm	Mo ppm	Pb ppm	Zn ppm
1-206	<5	0.2	24	<0.5	12	9	12	10
1-207	<5	0.6	6	<0.5	355	3	12	138
1-208	<5	0.2	6	1.0	81	<1	2	126
1-209	<5	0.4	12	<0.5	66	<1	4	135
1-210	<5	0.6	10	0.5	122	1	6	162
1-211	<5	2.0	<2	<0.5	1855	3	4	126
1-212	<5	<0.2	<2	0.5	26	5	18	468
1-213	<5	<0.2	<2	<0.5	188	<1	6	80
1-214	<5	1.2	2	<0.5	1370	6	4	72
1-215	<5	<0.2	<2	0.5	19	<1	2	88
1-216	<5	0.2	6	<0.5	77	<1	4	64
1-217	<5	0.6	<2	9.0	84	<1	6	1908
1-218	45	2.2	<2	<0.5	3050	1	<2	108
1-219	<5	1.0	4	<0.5	359	1	8	70
1-220	<5	0.4	<2	0.5	307	<1	<2	90
1-221	25	2.0	<2	<0.5	1335	1	2	118
1-222	<5	0.2	<2	0.5	381	<1	6	46
1-223	20	4.2	<2	2.5	3980	<1	36	86
1-224	15	0.2	<2	<0.5	199	1	12	321
1-225	15	<0.2	12	<0.5	135	1	<2	48

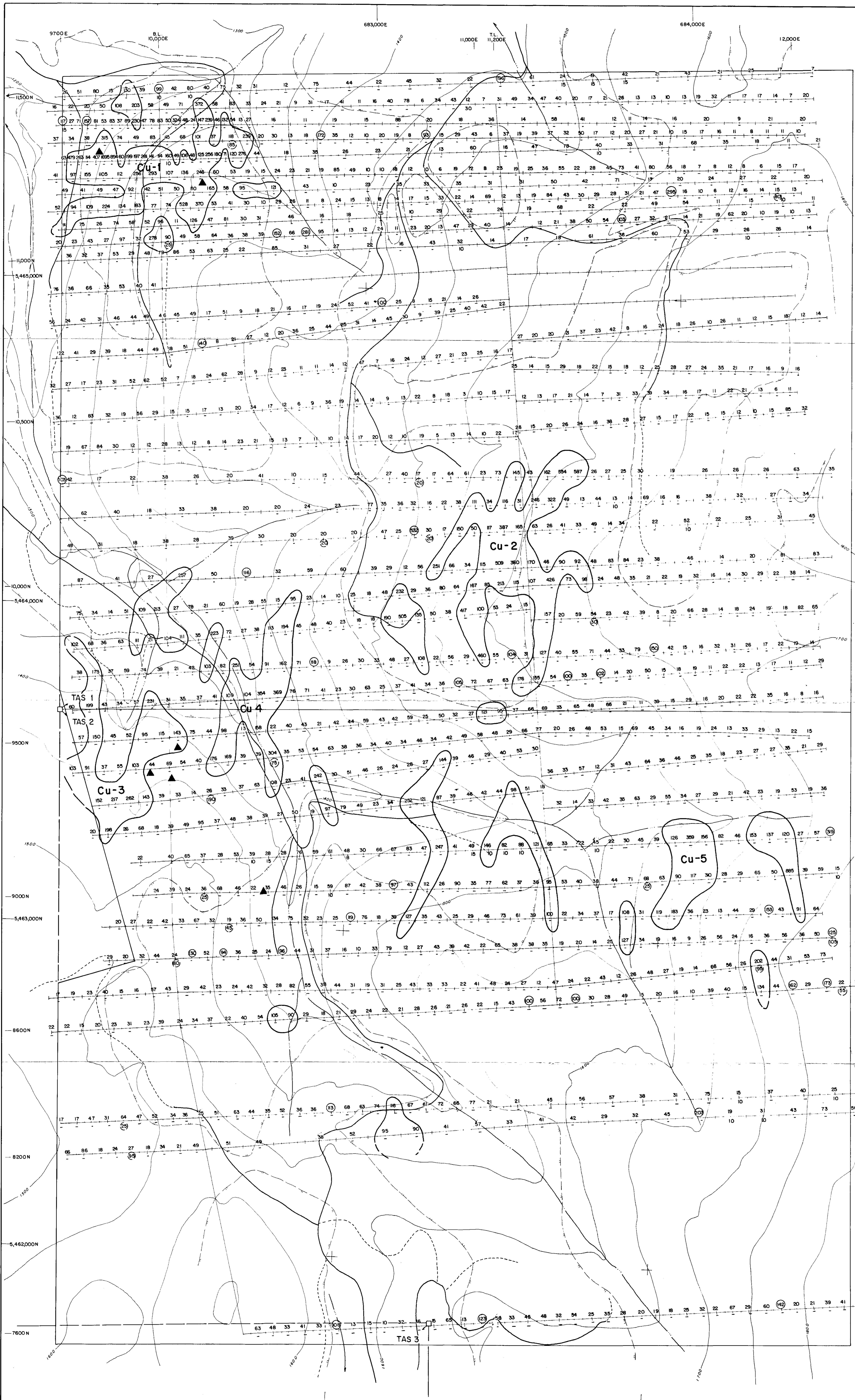
GEOLOGICAL SURVEY BRANCH
 ASSESSMENT REPORT

25,102

GEOTEC CONSULTANTS LTD.
 MORELIGH MINERALS CORP.

TAS CLAIMS
 CLAIM GEOLOGY

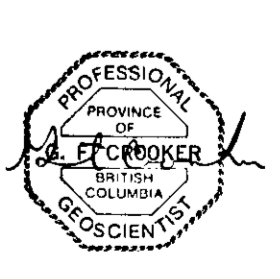
N.T.S. 92H-8W SIMILKAMEEN M.D., B.C.
 0 100 200 400 metres
 DATE: MAR. 1997 DRAWN BY: G.F.C. FIGURE 5.0
 SCALE: 1:5000



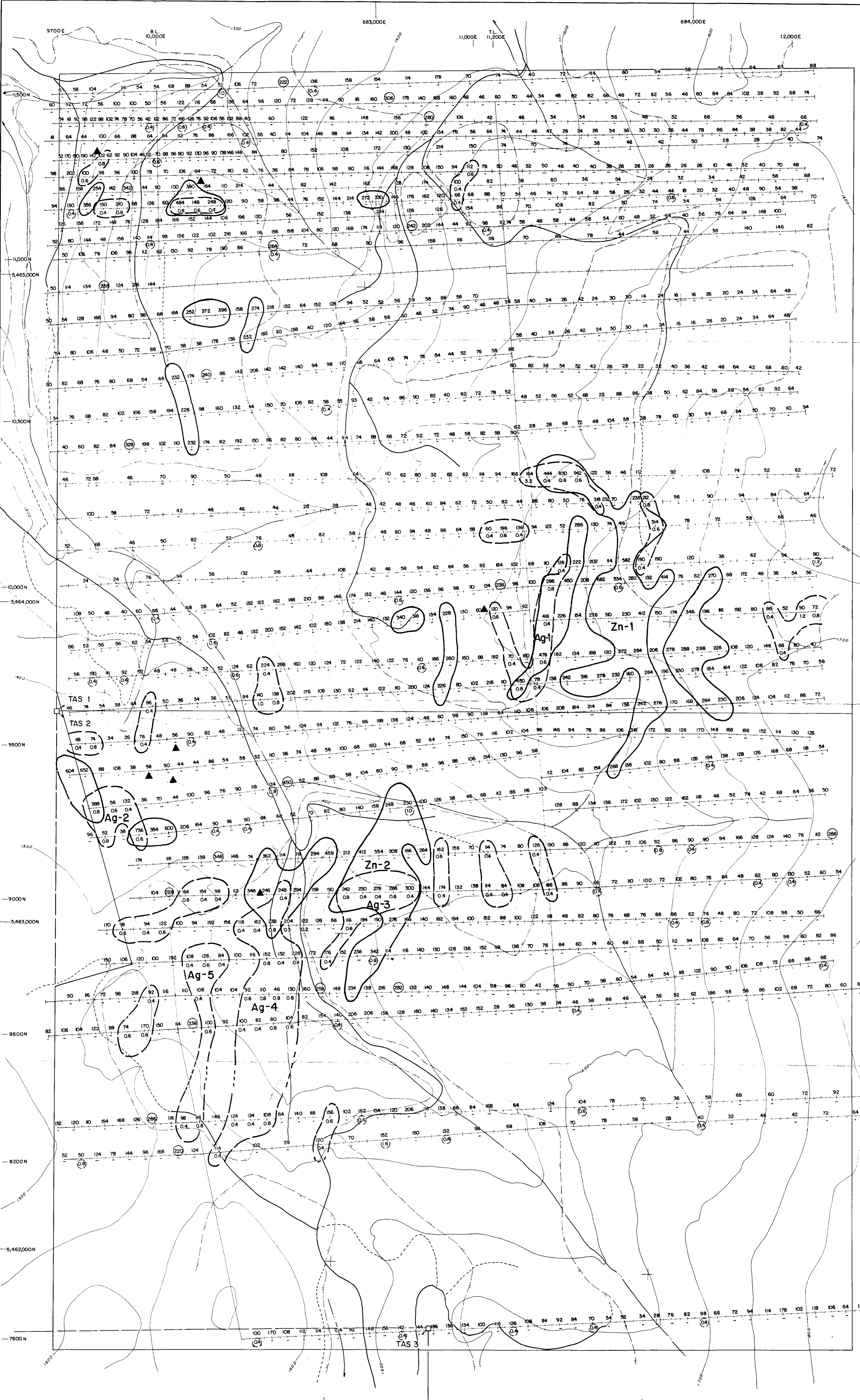
- LEGEND**
- Legal corner post
 - Clear cut logging
 - Road, cat trail
 - Stream
 - Contour interval 50m
 - Grid line & station
 - $\frac{110}{25}$ Cu, ppm
 - $\frac{25}{25}$ Au, ppb (Au (5ppb are shown as -))
 - Cu > 90 ppm anomalous
 - Au > 20 ppb anomalous
 - Copper showing

GEOLOGICAL SURVEY BRANCH
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GEOTEC CONSULTANTS LTD.	
MORELEIGH MINERALS CORP.	
TAS CLAIMS	
SOIL GEOCHEMISTRY - Cu & Au	
N.T.S. 92H-8W	SIMLKAMEEN M.D., B.C.
0 100 200 400 metres	
DATE: JAN. 1997	DRAWN BY: G.F.C.
SCALE 1:5000	FIGURE 6.0



113

LEGEND

- Legal corner post
- Clear cut logging
- Road, cat trail
- Stream
- Contour Interval 50m.
- Grid line & station
- Zn, ppm
- Ag, ppm (Ag 0.2 ppm are shown as -)
- Zn > 220 ppm anomalous
- Ag > 0.4 ppm anomalous
- Copper showing

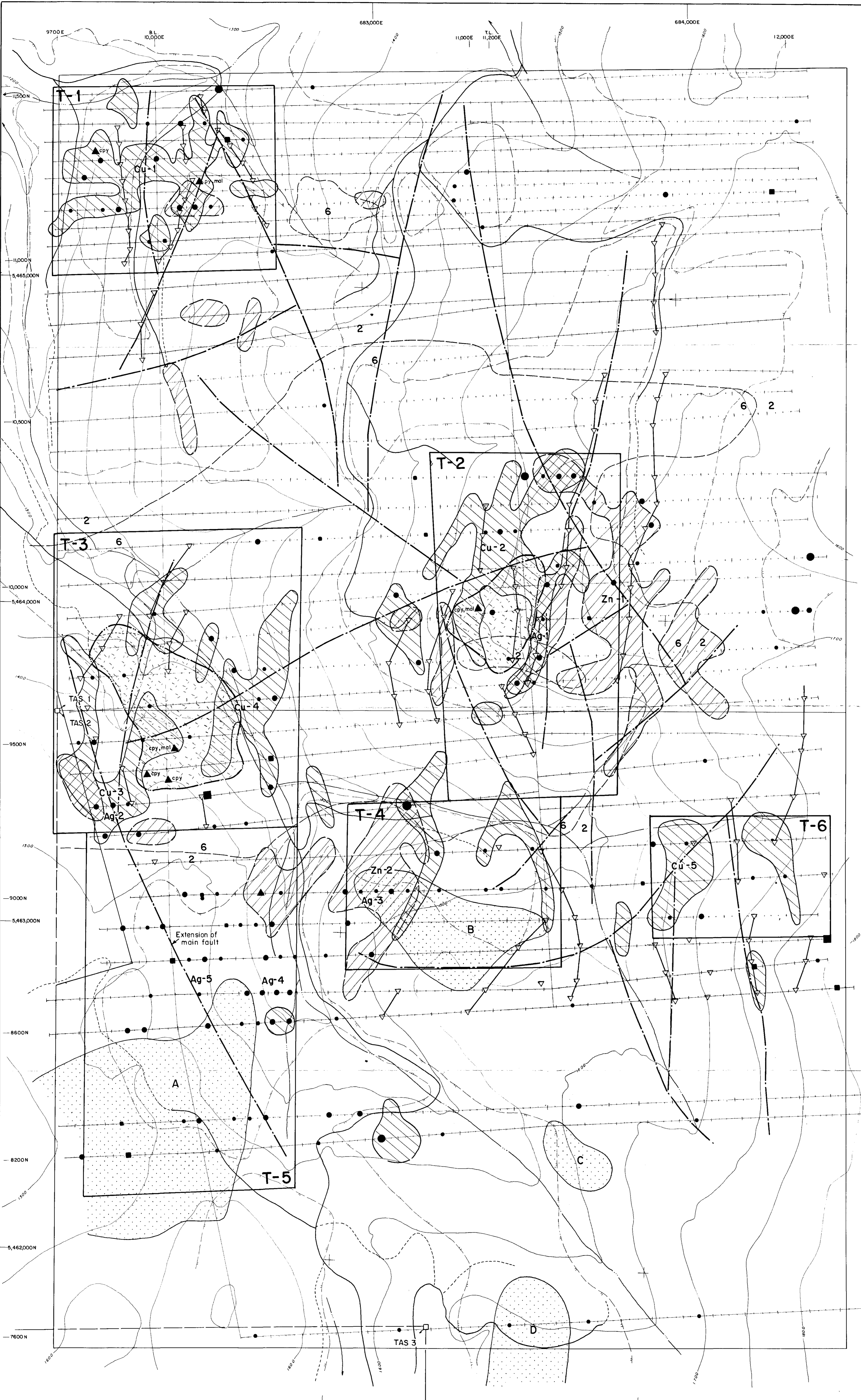
GEOTECH CONSULTANTS LTD.
 MORELEIGH MINERALS CORP.

25,102



GEOTECH CONSULTANTS LTD.	
MORELEIGH MINERALS CORP.	
TAS CLAIMS	
SOIL GEOCHEMISTRY - Zn & Ag	
N.T.S. 92H-BW	SIMILKAMEEN M.D., B.C.
DATE: JAN 1997	DRAWN BY: G.F.C.
SCALE: 1:5000	FIGURE 7.0

YH



LEGEND

- Legal corner post
- Clear cut logging
- Road, cat trail
- Stream
- Contour interval 50m.
- Grid line & station

- 6 Copper Mountain Stock Monzonite
- 2 Nicola Group Wolf Creek Fm.
- Geological contact
- Potassic alteration
- Copper showing
- py Pyrite
- cpy Chalcopyrite
- mal Malachite

- SOIL GEOCHEMISTRY**
- Copper anomaly
- Zinc anomaly
- Anomalous Au (20-49, 50-99, >100 ppb)
- Anomalous Ag (0.4-0.5, 0.6-0.8, >0.8 ppm)

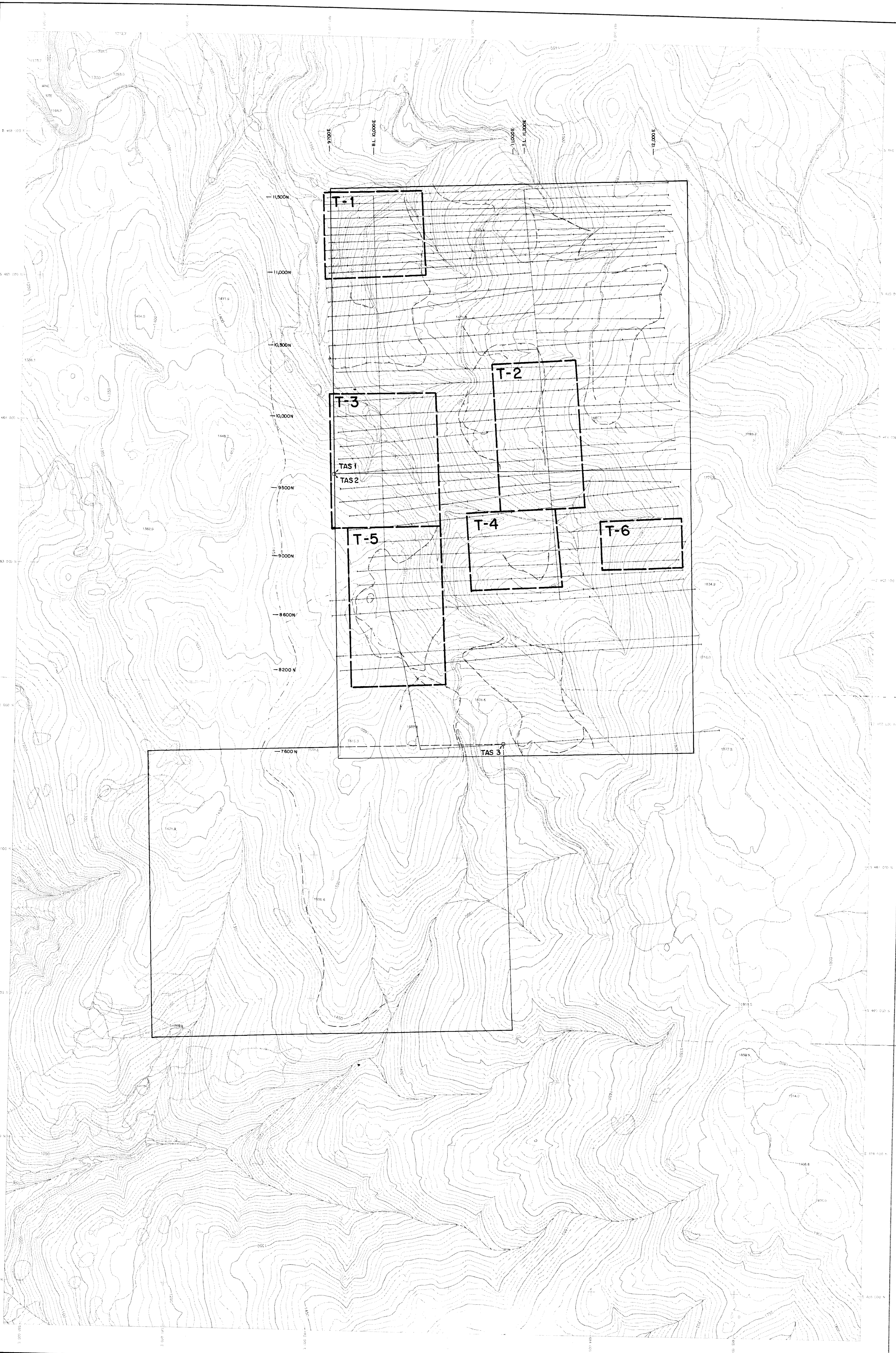
- Magnetic lineaments (faults)
- VLF - EM conductor
- Apparent chargeability anomaly >15ma
- T-1 Target area

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

25,102



GEOTEC CONSULTANTS LTD.	
MORELEIGH MINERALS CORP.	
TAS CLAIMS COMPILATION MAP	
N.T.S. 92 H-8W	SIMILKAMEEN M.D., B.C.
DATE: JAN 1997	SCALE 1:5000
DRAWN BY: G.F.C.	FIGURE 8.0



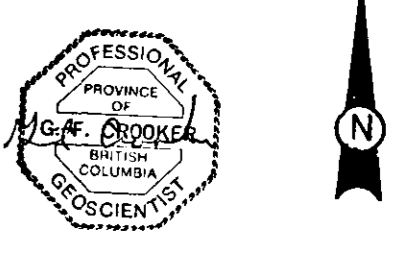
LEGEND

TRAIL	[Symbol]
ROCKY CONTOUR	[Symbol]
CONTOUR	[Symbol]
LAKE	[Symbol]
STREAM	[Symbol]
PERMANENT STREAM	[Symbol]
DISCONTINUED STREAM	[Symbol]
TRAIL	[Symbol]
SWAMP	[Symbol]
BRIDGE	[Symbol]
FENCE	[Symbol]
PAVED ROAD	[Symbol]
GRAVEL ROAD	[Symbol]
ROAD	[Symbol]
TRAIL	[Symbol]
TRENCH	[Symbol]
AREA (M.S. 1:50,000)	[Symbol]
BOUNDARY	[Symbol]
ROADWAY (M.S. 1:50,000)	[Symbol]
PHOTOCENTRE	[Symbol]
UTILITY POLE	[Symbol]
STAKE	[Symbol]
CLEAR-CUT	[Symbol]

T-2 Target area

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

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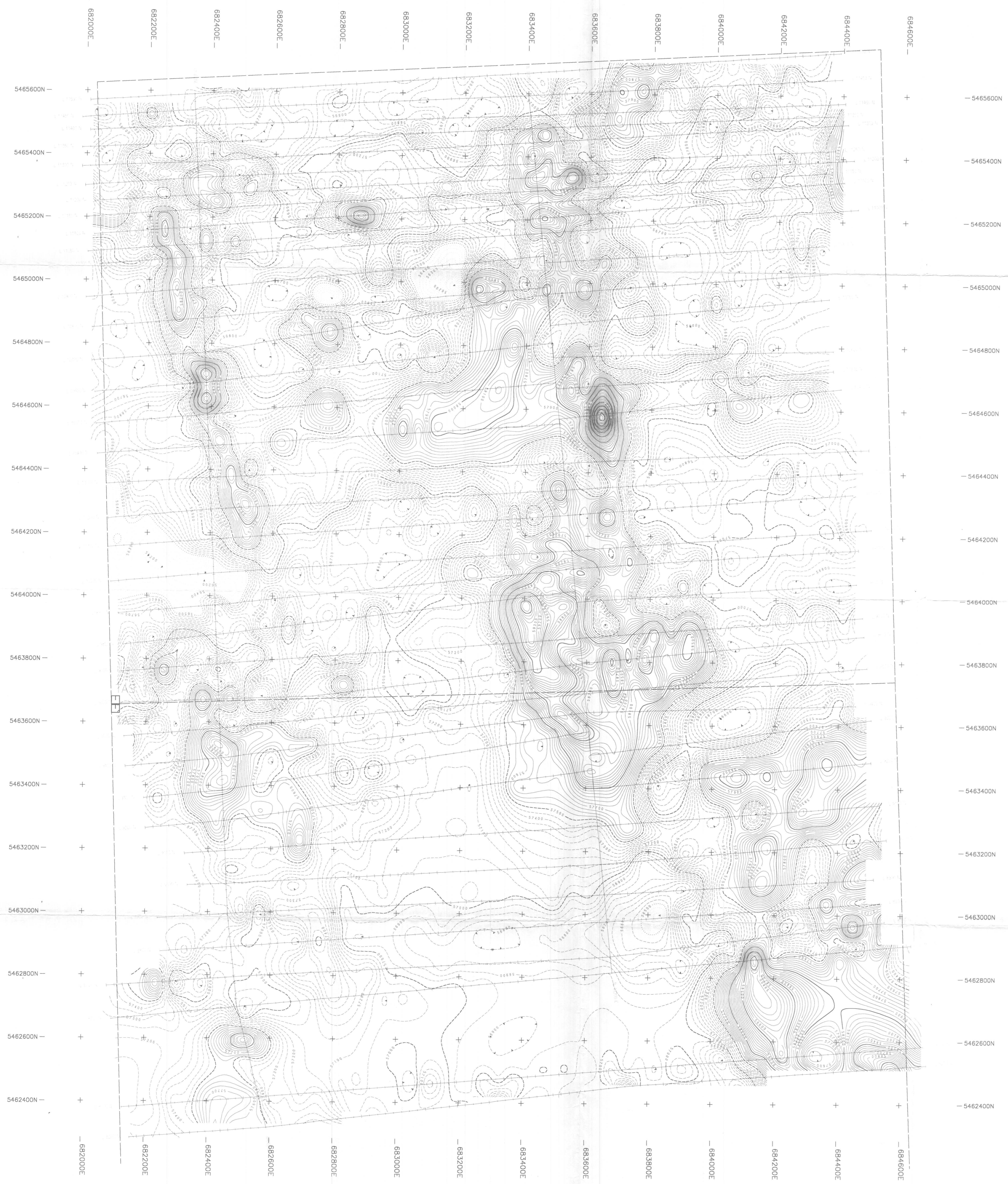


GEOTEC CONSULTANTS LTD.
MORELEIGH MINERALS CORP.

**TAS CLAIMS
PROPOSED EXPLORATION
TARGET AREAS**

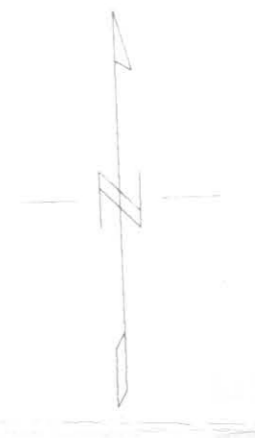
NTS. 924-BW SIMILKAMEEN M.D., B.C.
0 100 200 400 800metres
DATE: MAY 1997 DRAWN BY: G.F.C. FIGURE 9.0
SCALE 1:10,000

Mb



GEOLOGICAL SURVEY BRANCH
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25,102



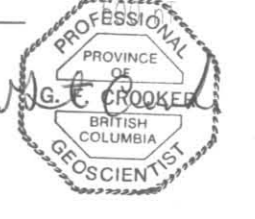
Scale 1:5000
(metres)

LEGEND

Contour intervals

<56000 nT 56500 to 57500 nT >57500 nT 50 m

Claim Line
Legal Corner Post



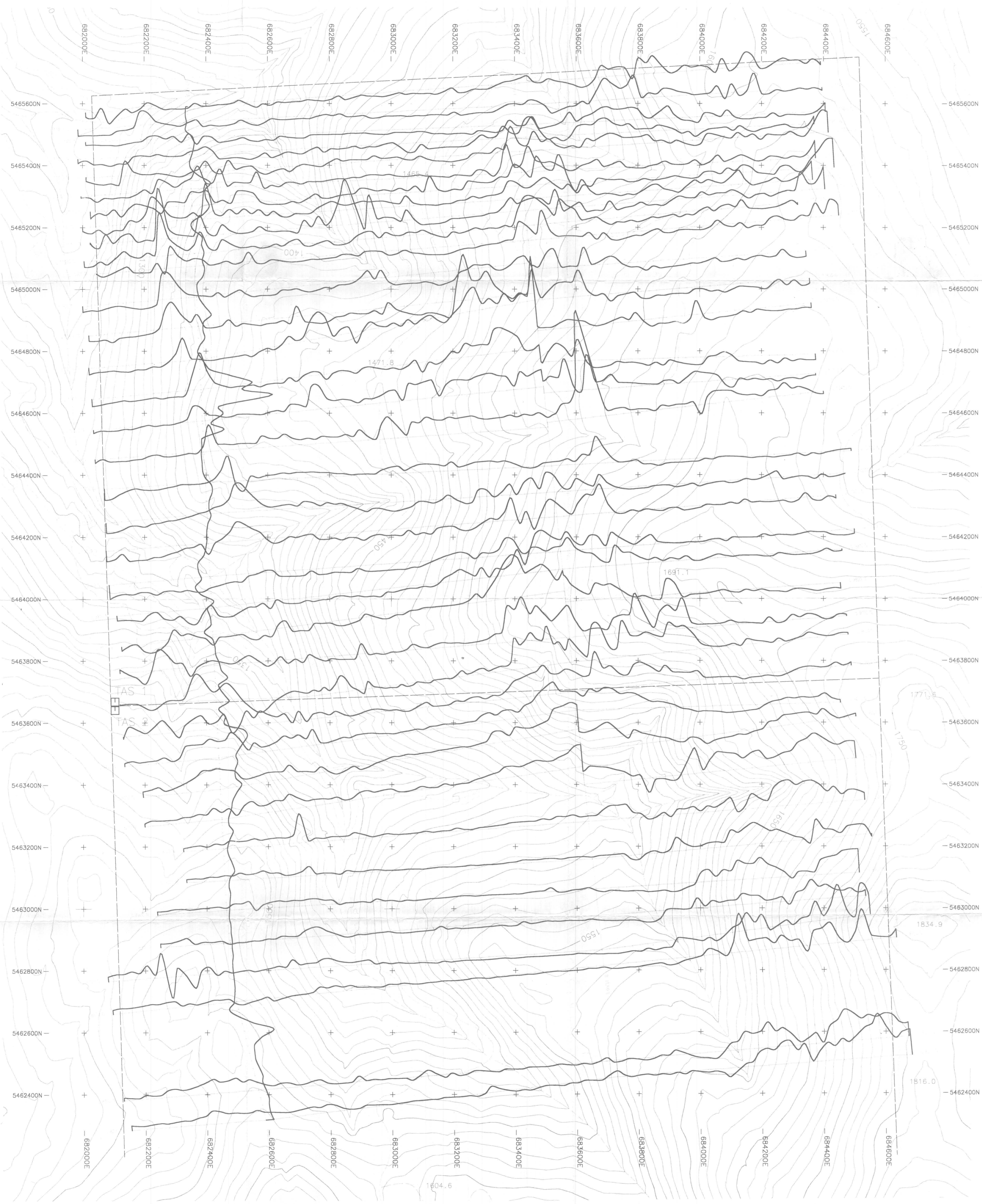
MORELEIGH MINERALS CORPORATION
Ground Total Field Magnetic Contours
Minimum Curvature Griding (15 meter cell size)

TAS Claim Group, Copper Mountain Area
92 H 7E
Similkameen MD, British Columbia
Figure # G1 June 17, 1997

Geotec Consultants Ltd.

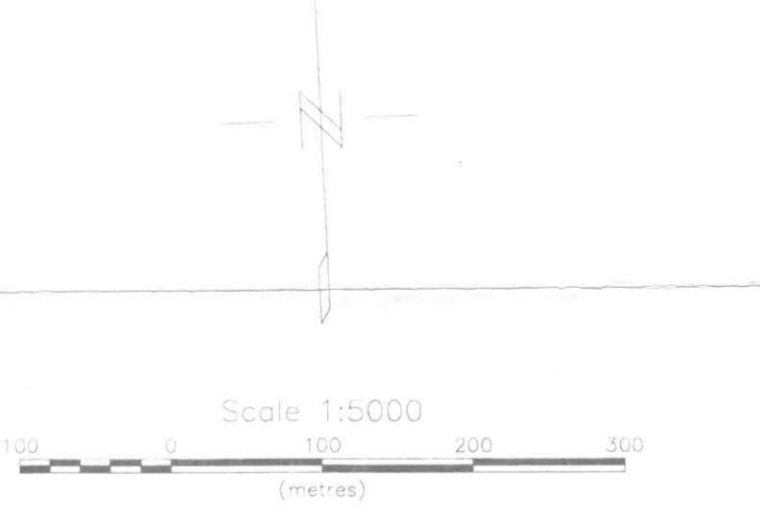
LEGEND

INDEX CONTOUR	— 25
INTERMEDIATE CONTOUR	—
DEPRESSION CONTOUR	—
LAKE	—
STREAM	—
INTERMITTENT STREAM	—
INDFINITE STREAM	—
TREES	—
SWAMP	—
BRIDGE	—
FENCE	—
PAVED ROAD	—
GRAVEL ROAD	—
ROUGH ROAD	—
TRAIL	—
TRENCH	—
AREA OUTLINE	—
BUILDING	—
CONTROL POINT	△ 208
PHOTOCENTRE	⊗ 337
UTILITY POLE	○
SPOT HEIGHT	127.3



GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

25,102



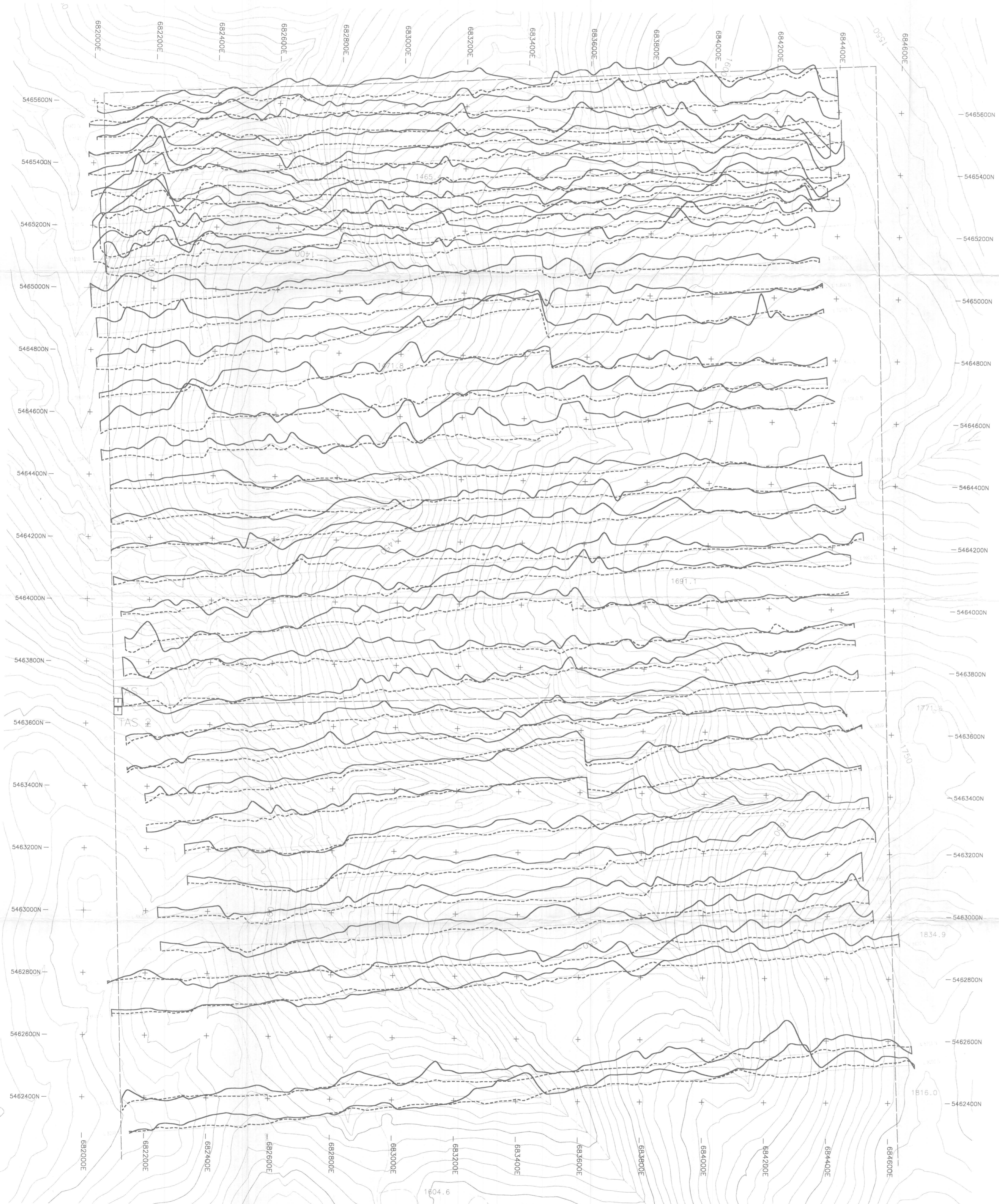
LEGEND

—	Magnetic Field Strength
1 cm. = 1000 nT	
—	Magnetic Field Datum Level = 5700
—	Claim Line
□	Legal Corner Post

MORELIGH MINERALS CORPORATION
 Ground Total Field Magnetic Profiles
 TAS Claim Group, Copper Mountain Area
 92 H 7E
 Similkameen MD, British Columbia
 Figure # 02 June 17, 1997
 Geotec Consultants Ltd.

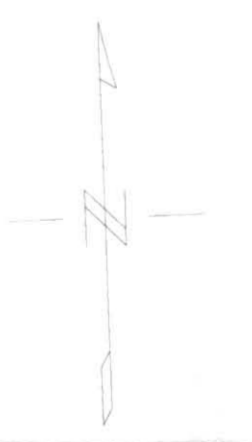
LEGEND

INDEX CONTOUR	25
INTERMEDIATE CONTOUR	
DEPRESSION CONTOUR	
LAKE	
STREAM	
INTERMITTENT STREAM	
INDEFINITE STREAM	
TREES	
SWAMP	
BRIDGE	
FENCE	
PAVED ROAD	
GRAVEL ROAD	
ROUGH ROAD	
TRAIL	
TRENCH	
AREA OUTLINE	
BUILDING	
CONTROL POINT	208 337
PHOTOCENTRE	
UTILITY POLE	
SPOT HEIGHT	127.3



GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

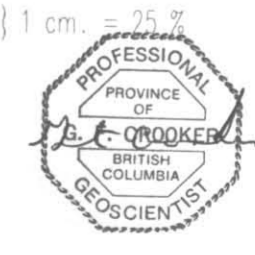
25,102



Scale 1:5000
(metres)

LEGEND
NLK, Seattle, WA

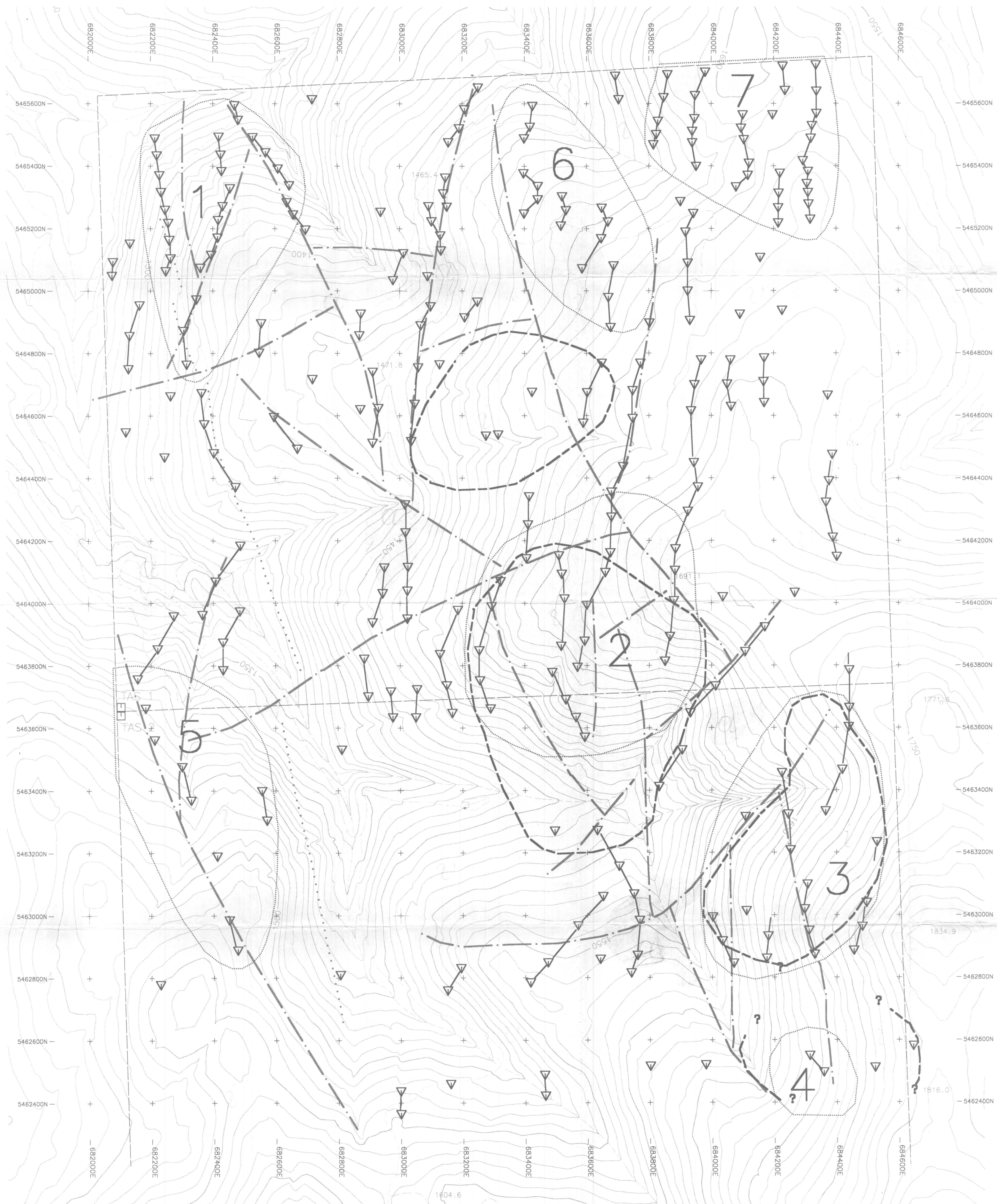
+	Anomalous Inflection (In-Phase)
—	In-Phase
- - -	Quadrature
- · - · -	Claim Line
□	Legal Corner Post



MORELIGH MINERALS CORPORATION
 NLK, Seattle, WA VLF-EM PROFILES
 TAS Claim Group, Copper Mountain Area
 92 H 7 E
 Similkameen MD, British Columbia
 Figure # G3 June 17, 1997
 Geotec Consultants Ltd.

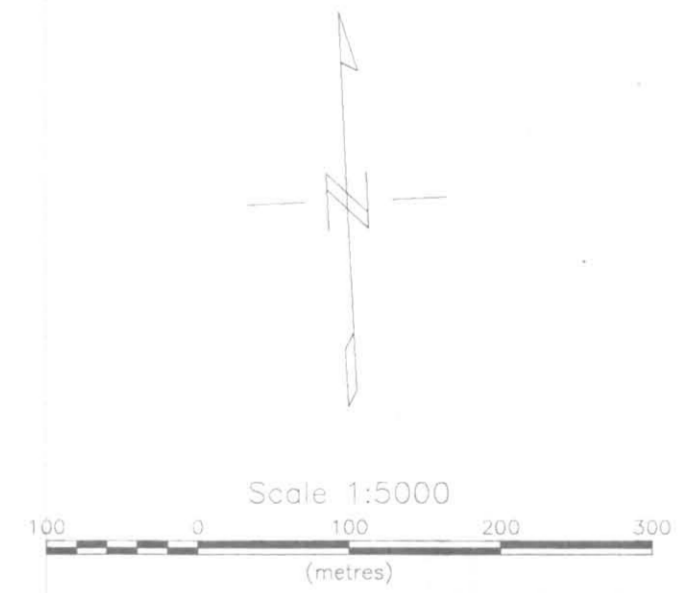
LEGEND

INDEX CONTOUR	— 25 —
INTERMEDIATE CONTOUR	— — — —
DEPRESSION CONTOUR	— — — —
LAKE	— — — —
STREAM	— — — —
INTERMITTENT STREAM	— — — —
INDEFINITE STREAM	— — — —
TREES	— — — —
SWAMP	— — — —
BRIDGE	— — — —
FENCE	— — — —
PAVED ROAD	— — — —
GRAVEL ROAD	— — — —
ROUGH ROAD	— — — —
TRAIL	— — — —
TRENCH	— — — —
AREA OUTLINE	— — — —
BUILDING	— — — —
CONTROL POINT	△ 208 ○ 337
PHOTOCENTRE	○
UTILITY POLE	— — — —
SPOT HEIGHT	127.3



GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

25,102



INTERPRETATION LEGEND

- 2** Target Area
- Magnetic Depth Extent (Intrusive Row)
- Magnetic Lineament (Fault)
- Intrusive Rock Type (I)
- ... Dyke - Intrusive Rock Type
- o Alteration Zone (a)
- ▽ VLF EM Conductor
- - - Claim Boundary
- Legal Corner Post
- v Volcanic Rock Type



MORELEIGH MINERALS CORPORATION
 GEOPHYSICAL INTERPRETATION MAP
 TAS Claim Group, Copper Mountain Area
 92 H 7E
 Similkameen M.D., British Columbia
 Figure # 04 June 17, 1997
 Geotec Consultants Ltd.