179-#366-# 74163

1463

REPORT ON SOIL SURVEY

ON

TREASURE GROUP

TREASURE MOUNTAIN

49°25' 121°05' Similkameen MD

> Livgard Consultants Ltd., E. Livgard B.Sc. P.Eng., 1199 W. Pender Street, Vancouver, B.C.

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APPENDIX

ANALYTIC PROCEDURE

ANALYTIC RESULTS

MAPS

CLAIM AND LOCATION MAP

SOIL SURVEY MAPS

East-west Grid West half.
 East-west Grid East half.

3. South Grid

HISTOGRAM

ZINC LEAD SILVER

INTRODUCTION

Magnus Bratlien with one helper carried out a soil survey over part of the Treasure Group of claims on Treasure Mountain in the Similkameen Mining Division during July 7th to 21st 1979. The writer visited the property on May 5th, 1979 and the work was carried out following the writers direction.

The survey will be used for assessment work purpose.

PROPERTY

The Treasure Group of claims consists of seven Crown Grants as follows:

	Lot No.
Why Not Fr	1209
Why Not #3	1211
Eureka Fr	1212
Tamarack	1213
Tamarack #2	1214
Lakeview	1215
Why Not #2 Fr.	1216

And eleven staked claims as follows:

	Record No.
Bill #1 to #6 inclusive	404(8) - 409 incl.
Star #1 to #4	549 - 552 incl. (4)
Summit Fr.	553

LOCATION AND ACCESS

The property lies on Treasure Mountain in the Similkameen Mining Division at the head of Amberty Creek, tributary to Vuich Creek, one of the main tributaries to the Tulameen River. The property can be reached by 22 miles of dirt road from Tulameen. The road is in good shape. It lies along the southern border of the claims.

CLIMATE AND TOPOGRAPHY

The area is in the Cascade Mountains at elevations from about 1300 m to 1700 m and has a moderate rainfall and fairly heavy snowfall. The ground is generally not snow free till June and it will snow again in late October.

The slopes are mostly moderately steep. The western part of the property is heavily treed while the eastern end is generally open.

GRIDSYSTEM

A grid was established by running a baseline east-west from a zero point 150 metres south of an old shaft located on Bill #4 M.C. The line extended 615 metres east and 350 metres west. The line was run with picket and tape and adjusted for slope. From the eastern end another base line was run 636 metres south. From these baselines cross lines were run at 50 metre spacing. These lines were run to cover the previously located dyke with which the mineralization is known to be associated. 3350 metres of cross lines were run using tape and compass and stations established at 25 metre intervals. The survey covered a portion of Summit Fr, Bill #4, Lakeview G.C., Star #1, #2, #4.

SAMPLING

130 samples were collected from the B horizon. The soil development is generally quite good. The organic layer varies from I - 1 inches in open areas to 12 - 14 inches in thick alder stands. Little problems were encountered in locating the B horizon. The samples were placed in kraft soil bags marked with the station number, and taken to Vangeochem Lab. Ltd., 1521 Pemberton Avenue, North Vancouver. The sample spacing was generally 25 metres except near the dyke where spacing was as close as 5 metres in interesting areas.

The analytic procedure used to determine the Pb, Zn and Ag content can be found in the Appendix.

RESULTS

The results were plotted on frequency histograms.

The silver histogram curve shows a value of 2.0 PPM as anomalous.

The lead histogram curve shows anomalous value above 22 P.P.M.

The zinc histogram curve shows anomalous values over 130 P.P.M.

The anomalous values were outlined on the accompanying maps.

The North-South lines show two anomalies - Anomaly A extends about 175 metres east from an old shaft. It is a silver and lead anomaly and it indicates a possible faulting or folding of the vein.

Anomaly B is silver anomaly about 125 metres long and follows a previously located dyke.

RESULTS (Continued)

Anomaly C is a lead (with spotty silver) anomaly which extends 300 metres north west and about 60 metres south west. The anomaly in a general way follows the possible vein trend but a more detailed and extensive survey should be done to attempt to better show the trend of a vein or veins.

Anomaly D is a zinc anomaly and lies just west of Anomaly C.

CONCLUSIONS

The survey was very successful in outlining probably mineralization next to a dyke which was first prospected. The results are as hoped for. Anomaly C is no sufficiently outlined and more work should be done in taking samples on a closer spacing.

Respectfully submitted,

E. Livgard, B.Sc., P.Eng.

Page 3.

ENGINEER'S CERTIFICATE

I, Egil Livgard, of 1990 King Albert Avenue, Coquitlam, British Columbia do hereby state that:

- 1. I am a Consulting Geological Engineer
- 2. I am a Graduate of the University of British Columbia, B.Sc., 1960, Geological Sciences.
- 3. I am a member of the Association of Professional Engineers of the Province of British Columbia.
- 4. From 1960 to 1970, I was engaged in mining and exploration geology in Canada and Norway for various companies and since that time I have been a consultant to the mining industry in British Columbia.
- 5. The Survey was carried out under my direction by Magnus Bratlien.
- I have no interest in the claims on which the survey was carried out.

Dated at Vancouver, British Columbia this ______ day of August, 1979. Egit Livgard, B.Sc., P.Eng.



986-5211 XXXXXXX

V7P 2S3

July 25, 1979

- To: Mr. Magnus Bratlien 3475 West 34th Avenue Vancouver, B. C. V6N 2K5
- From: Vangeochem Lab. Ltd. 1521 Pemberton Avenue North Vancouver, B. C. V7P 2S3
- Subject: Analytical procedure used to determine hot acid soluble Pb, Zn, and Ag in geochemical soil samples.

Re: Report #79-01-009

- 1. Sample Preparation
 - (a) Geochemical soil or silt samples were received in the laboratory in wet-strength 3½ X 6½ Kragt paper bags.
 - (b) The wet samples were dried in a ventilated oven.
 - (c) The dried soil and silt samples were sifted by using a shaking machine with 80-mesh stainless steel sieves. The plus 80-mesh fraction was rejected and the minus 80-mesh fraction was transferred into a new bag for analyses later.

2. Methods of Digestion

- (a) 0.50 gram of the minus 80-mesh samples was used. Samples were weighed out by using a top-loading balance.
- (b) Samples were heated in a sand bath with nitric and perchloric acids (15% to 85% by volume of the concentrated acids respectively.)
- (c) The digested samples were diluted with demineralized water to a fixed volume and shaken.

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3. Method of Analysis

Pb, Zn, and Ag analyses were determined by using a Tachtron Atomic Absorption Spectrphotometer Model AA4 or Model AA5 with their respective hollow cathods lamps. The digested samples were aspirated directly into an air and acetylene flame. The results, in parts per million, were calculated by comparing a set of standards to calibrate the atomic absorption unit.

4. The analyses were supervised or determined by Mr. Conway Chun or Mr. Eddie Tang and the laboratory staff.

Eddie Tang

Vangeochem Lab Ltd.

CC: sj

146 3

Declaration of costs for grid and soil survey on the Treasure group of claims. Wages: Hagues Braillin, 8 days at \$100° per day Gordon Engen " 1 \$ 800.00 \$ 400.00 Velvicle 8 days at \$ 25.00 per day Weals board it \$ 1000 per day, 8 days \$ 200.00 \$ 160.00 3 Cousulting Engineer, HI. Egyl Lugard Jee for maps and report \$ 480.00 4 Typing and printing 70.00 5 Eost of geo-chem analysis Van geo-chem \$ 400.00 \$ 1.510.00 total cost. Van courcer, aug. 13-1979. Maques Gratten



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986-5211 TELEPHONE: 9995102 AREA CODE: 604

Certificate of Geochemical Analyses

-IN ACCOUNT WITH-Magnus Bratlien 3475 W. 34th Avenue Vancouver, B. C. V6N 2K5 Attention:

 Specialising in 	Trace	Elements	Anal	yses •
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Report Completed:	JUly 24. 1979
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REMARKS: *Repeated analysis and checked 0.K.

Ag b/g has not been deduct from this report.

% Mo x 1.6683 = % MoS₂

1 Troy oz./ton = 34.28 ppm

1 ppm = 0.0001%

Signed: _____ nd = none detected

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.



986-5211 TELEPHONE: 1994102 AREA CODE: 604

Page

Specialising in Trace Elements Analyses

Certificate of Geochemical Analyses

-IN ACCOUNT WITH-

Magnus Bratlien 3475 W. 34th Avenue Vancouver, B. C. Attention: V6N 2K5

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Job # 79170

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REMARKS:

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* repeated analysis and checked 0.K.

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Specialising in Trace Elements' Analyses

Certificate of Geochemical Analyses

-IN ACCOUNT WITH-Magnus Bratlien

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REMARKS:

* Repeated analysis and checked O.K.

Signed:

% Mo x 1.6683 = % MoS2

1 Troy oz./ton = 34.28 ppm

1 ppm = 0.0001%

nd = none detected All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

ppm =/parts per million



986-5211 TELEPHONE: 13282322 AREA CODE: 604

Certificate of Geochemical Analyses

-IN ACCOUNT WITH-Magnus Bratlien

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Specialising in Trace Elements Analyses

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