'79-#366-#7463

7463

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.

INDEX

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 1 - 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)

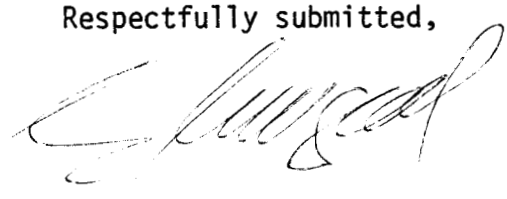
Anomaly C is a lead (with spotty silver) anomaly which extends 300 metres north west and about 60 metres south west. The anomaly in a general way follows the possible vein trend but a more detailed and extensive survey should be done to attempt to better show the trend of a vein or veins.

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.

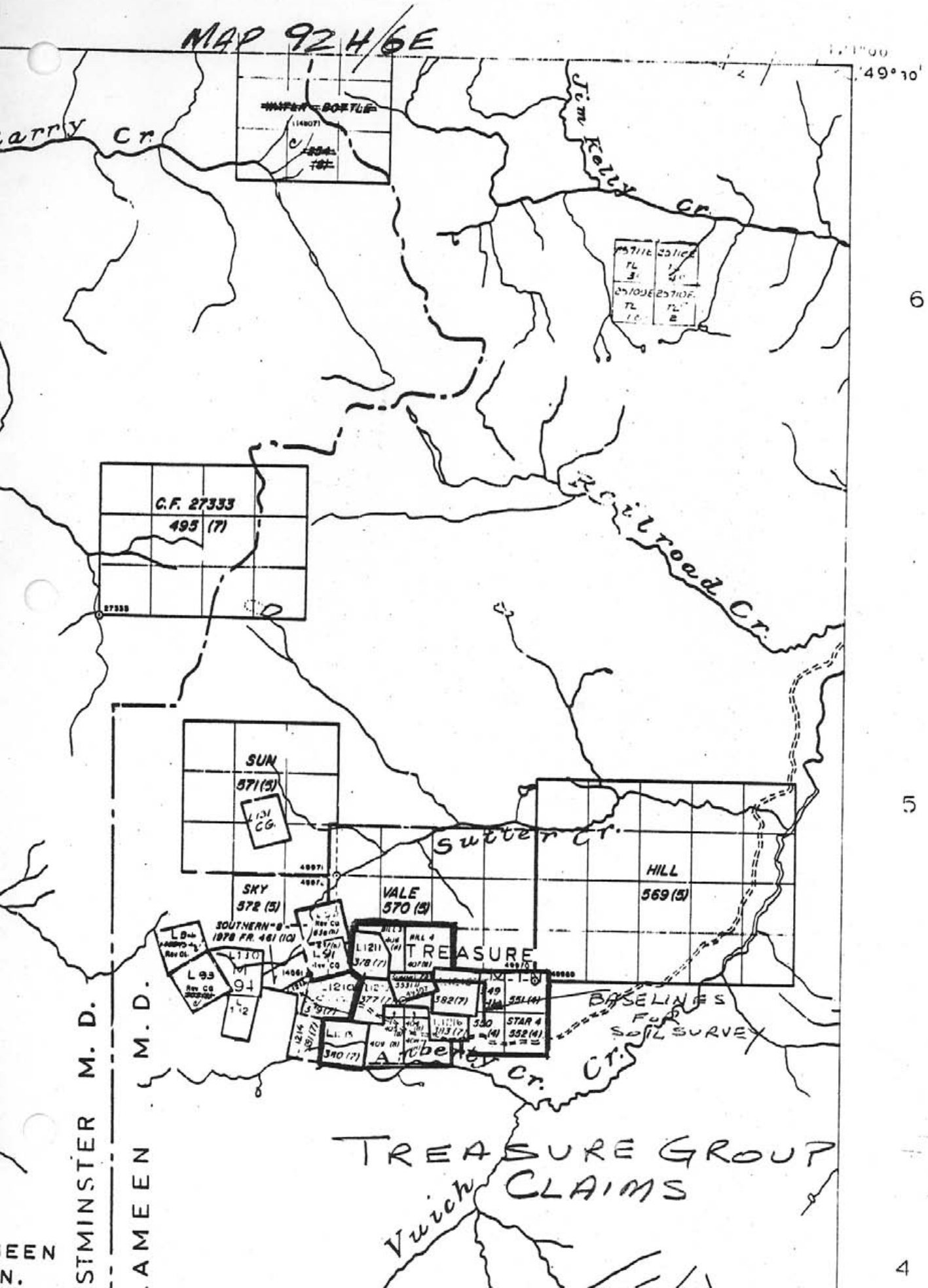
ENGINEER'S CERTIFICATE

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.
6. I have no interest in the claims on which the survey was carried out.

Dated at Vancouver, British Columbia this 6th day of August, 1979.

Egil Livgard, B.Sc., P.Eng.


MAP 92 H/6E
49° 10'
Jim Kelly Cr.
Larry Cr.
Railroad Cr.
C.F. 27333
495 (7)
SUN
571 (5)
SKY
572 (5)
VALE
570 (5)
HILL
569 (5)
TREASURE
Sutter Cr.
Liberty Cr.
BASELINES FOR SOIL SURVEY
TREASURE GROUP CLAIMS
Vulcan
M. D.
6
5
4

986-5211
XXXXXXXX

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 Kraft 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.

.....2

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

7463

Declaration of costs for grid and soil survey on the Treasure group of claims.

Wages:

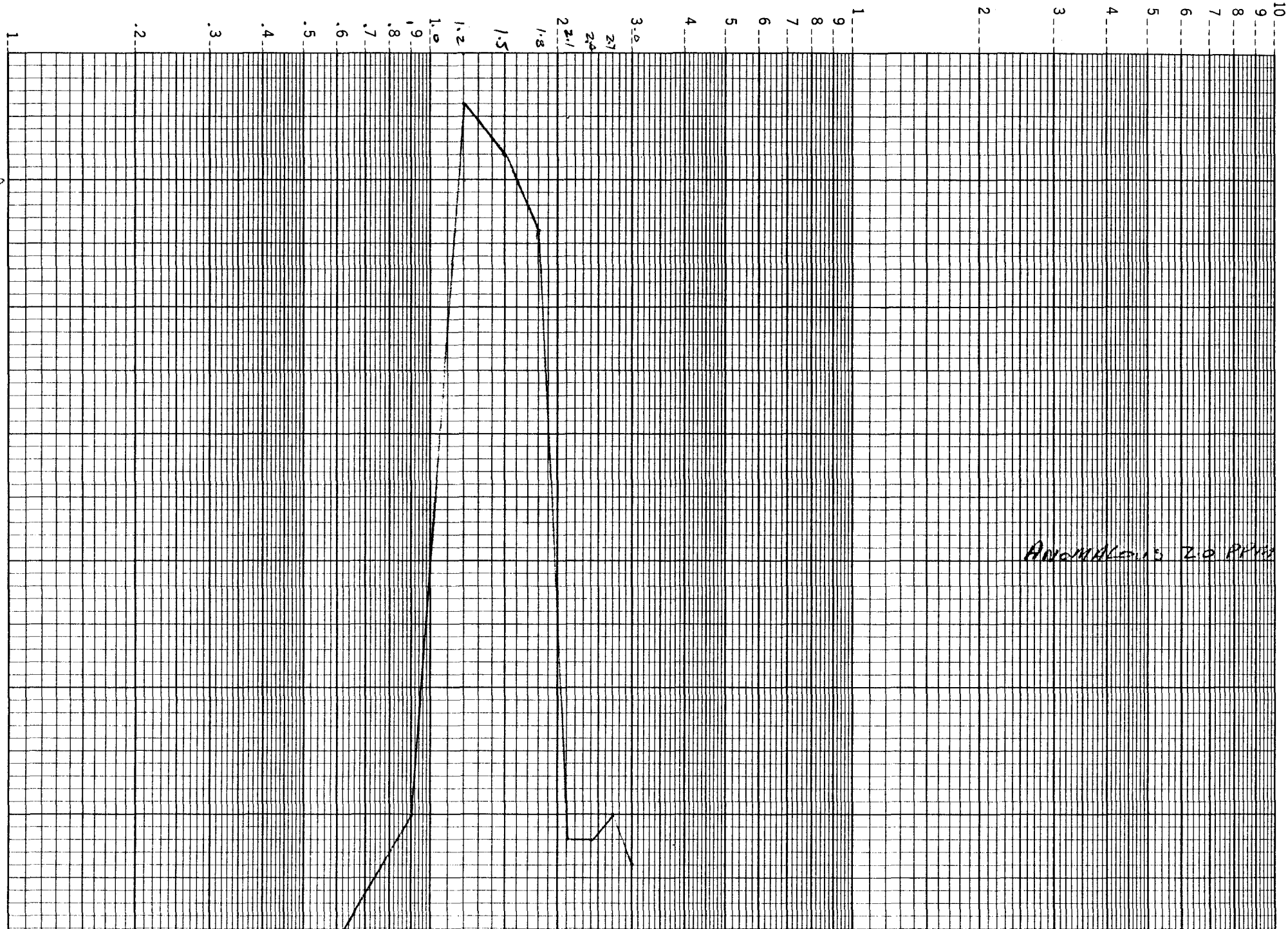
1	Magnus Bratlien, 8 days at $100.00 per day	$ 800.00
	Gordon Eugen " " 50 " "	$ 400.00
2	Vehicle 8 days at $ 25.00 per day	$ 200.00
	Meals board 2 men at $10.00 per day, 8 days	$ 160.00
3	Consulting engineer, H. Egil Lugard fee for maps and report	$ 480.00
4	Typing and printing	$ 70.00
5	Cost of geo-chem analysis Van geo-chem	$ 400.00
	total cost	$ 2.510.00

Vancouver, Aug. 13th 1979.

Magnus Bratlien

K+E SEMI-LOGARITHMIC • 3 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.

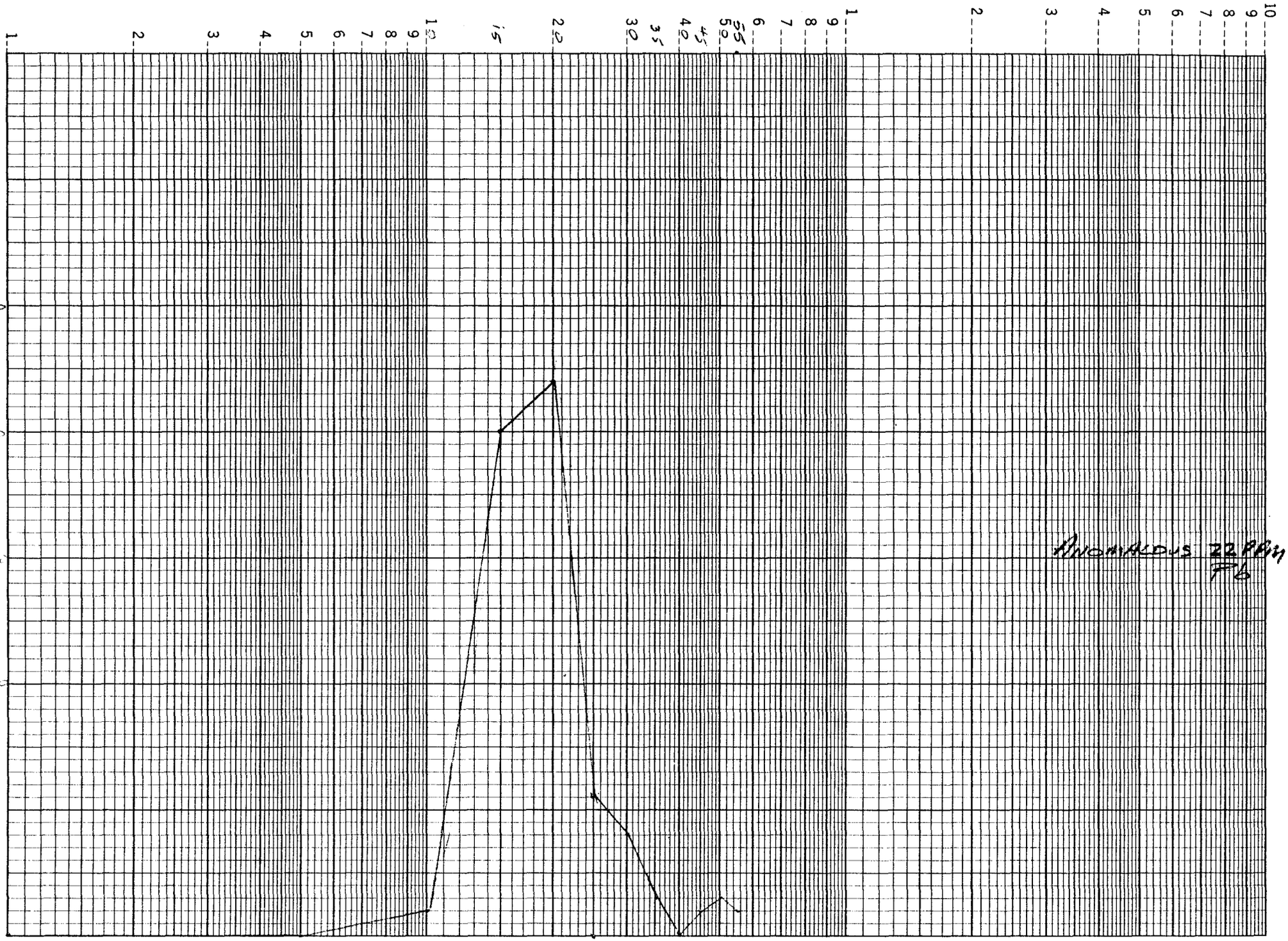
46 5490



TREASURE GROUP
[illegible] HISTOGRAM SILVER

K&E SEMI-LOGARITHMIC • 3 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.

46 5490



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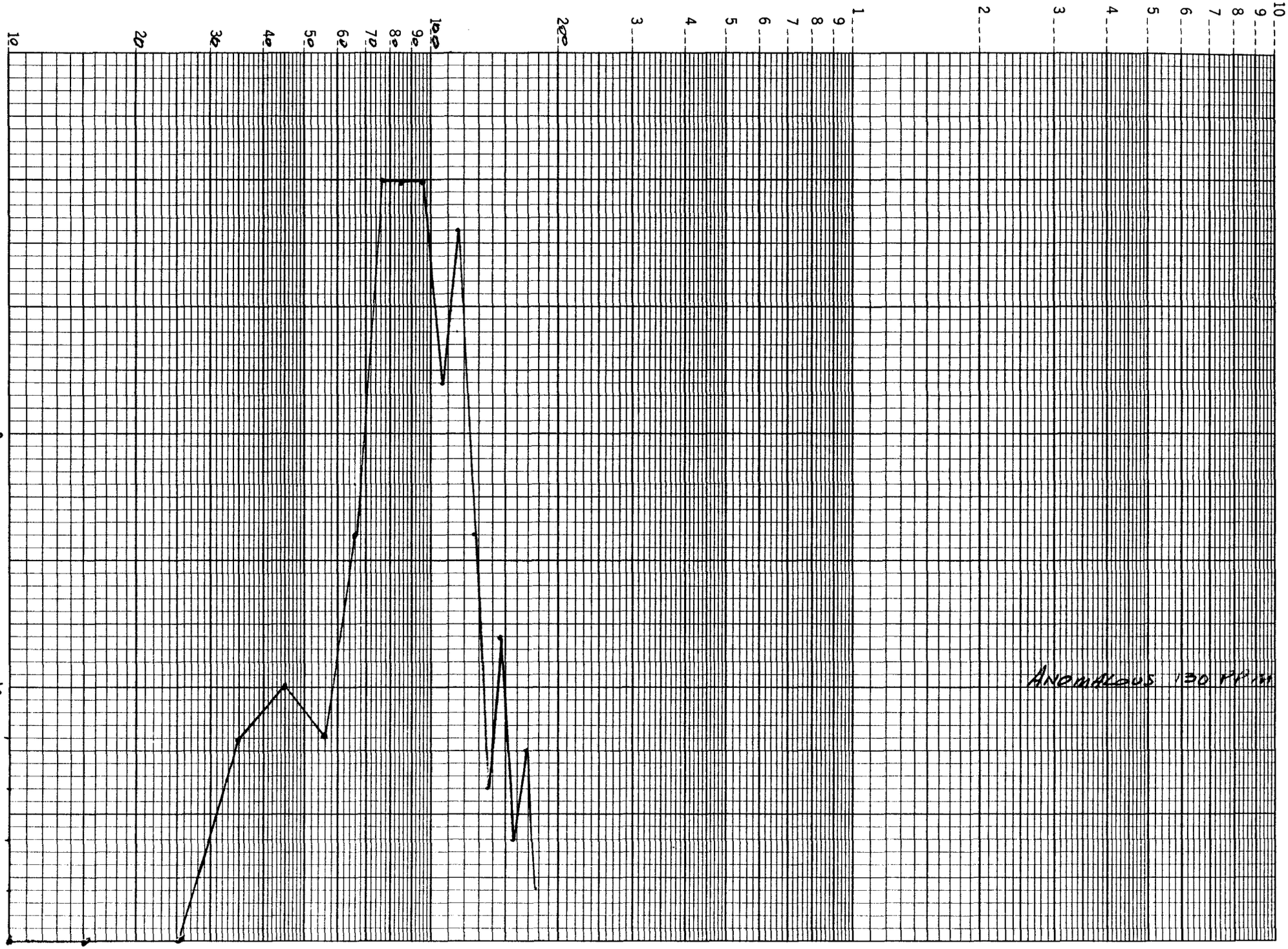

TRANSVERSE GROUP
FREQUENCY HISTOGRAM

VANGEOCHEM LAB LTD.
1521 PEMBERTON AVE.,
NORTH VANCOUVER, B.C.,
CANADA V7P 2S3

986-5211
TELEPHONE: XXXXXX
AREA CODE: 604

• *Specialising in Trace Elements Analyses* •

Certificate of Geochemical Analyses

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

Report No: 79 01 009 Page 1 of 4
Samples Arrived: July 20, 1979
Report Completed: JUly 24, 1979
For Project: ———
Analyst: E.T. & VGC Staff
Invoice # 5140 Job # 79170

Sample Marking		Pb ppm	Zn ppm	Ag ppm
30E	133N	57	122	1.9
	45	55	185	3.6
	50	160	124	2.2
	55	48	71	1.8
30E	160N	14	40	0.8
70E	105N	34	114	1.8
	20	19	90	1.6
	30	28	98	3.8
70E	142N	23	48	1.4
100E	125N	18	63	0.8
	35	13	75	1.4
	45	23	155	1.8
	55	49	570	13.2
100E	165N	28	155	2.4
150E	125N	23	570	2.7
	30	17	98	1.6
	35	13	67	1.3
150E	155N	11	57	1.4
165E	110N	15	132	1.6
165E	120N	19	200	1.3
200E	25N	8	32	0.7
	50	10	45	1.0
	75	20	95	2.8
	95	14	86	1.7
	112	16	87	2.0
200E	120N	26	127	2.3
250E	70N	12	82	1.2
	85	12	48	1.0
	95	13	40	1.2
	100	11	48	0.9
250E	120N	14	47	1.0
300E	70N	13	53	1.5
300E	95N	12	32	1.0
350E	30N	14	68	1.4
	50	16	107	1.7
	60	18	102	1.8
	65	20	175	8.2 *
350E	75N	18	98	1.6
400E	25N	19	108	1.4

REMARKS: *Repeated analysis and checked O.K.
Ag b/g has not been deduct from this report.

Signed: _____

% Mo x 1.6683 = % MoS_2 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per million

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

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Vancouver, B. C. V6N 2K5
Attention:

Report No: 79 01 009 Page 2 of 4
Samples Arrived: July 20, 1979
Report Completed:
For Project:
Analyst:

Job # 79170

Sample Marking		Pb ppm	Zn ppm	Ag ppm
400E	36N	18	84	1.4
	50	25	92	3.0
400E	55N	20	73	2.6
450E	20N	19	92	2.5
	30	27	148	3.5*
450E	50N	17	73	1.4
35S	90W	15	105	1.4
50S	50W	14	67	1.2
	60	26	117	1.7
	65	13	62	1.4
	79	20	90	1.6
	90	15	115	1.2
50S	110W	20	162	1.4
100S	25W	15	68	1.2
	50	20	115	1.6
100S	75W	20	135	1.6
150S	75E	20	104	1.8
	100	19	92	1.0
150S	125E	17	73	1.0
150S	BL	13	77	1.1
	25	15	107	1.2
	50	15	77	1.1
150S	70E	16	135	1.4
150S	10W	15	123	1.6
	25	17	90	1.5
150S	50W	18	118	1.8
200S	25E	18	130	1.3
	50	14	142	1.2
	75	17	168	1.6
	100	20	148	1.4
	125	16	93	1.6
	175	15	81	1.4
200S	200E	15	113	1.3
250S	50E	15	143	1.4
	75	18	165	1.6
	100	27	170	2.5
	125	68	111	2.9
	150	55	125	1.8
250S	175E	42	100	1.8

REMARKS: * repeated analysis and checked O.K.

Signed:

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–IN ACCOUNT WITH–
Magnus Bratlien

Attention:

Report No: **79 01 009** Page **3** of **4**
Samples Arrived:
Report Completed:
For Project:
Analyst:

Sample Marking		Pb ppm	Zn ppm	Ag ppm
250S	200E	1230	570	14.4 *
300S	100E	42	108	1.8
	125	46	148	2.3
	150	32	117	1.5
	175	27	100	1.4
	200	27	127	1.7
	225	18	112	1.0
	250	19	78	1.1
	275	19	70	1.0
	300	25	107	1.6
300S	325E	19	77	1.0
350S	175E	32	95	1.4
	200	23	98	1.6
	225	20	76	1.2
	250	23	117	1.4
	275	21	88	1.6
350S	300E	19	65	2.5
400S	200E	18	125	1.0
	225	15	71	1.0
	250	12	76	0.8
	275	11	100	1.1
	300	20	115	2.0
	325	17	83	1.2
400S	350E	15	95	1.2
450S	225E	15	102	1.2
	250	16	88	1.3
	275	15	108	1.4
	300	12	87	1.0
	325	20	100	1.2
	365	18	58	1.0
	400	13	80	1.0
	425	13	77	1.0
	428	15	111	1.7
450S	430E	15	102	1.5
BL	450E	22	147	1.3
	475	15	71	1.2
	490	13	90	1.2
BL	515E	16	89	1.3
Shaft 5 North		130	118	3.4*

REMARKS:
* **Repeated analysis and checked O.K.**

Signed: G Bax.

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1521 PEMBERTON AVE.,
NORTH VANCOUVER, B.C.,
CANADA V7P 2S3

986-5211
TELEPHONE: [illegible]
AREA CODE: 604

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Certificate of Geochemical Analyses

—IN ACCOUNT WITH—
Magnus Bratlien

Attention:

Report No: 79 01 009 Page 4 of 4
Samples Arrived:
Report Completed:
For Project:
Analyst:

Sample Marking	Pb ppm	Zn ppm	Ag ppm			
Shaft 5 South	✓ 25	✓ 56	1.4 ✓			
65S 75W	✓ 25	✓ 88	1.4 ✓			
200S 150E	72	✓ 118	2.0 ✓			

REMARKS:

Signed: [signature]

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

TREASURE GROUP SOIL SURVEY

ANOMALY A (Pb, Ag) EAST-WEST BASELINE

1:1000

AUG 1979 E. LIVGARD

R.P.M. Pb R.P.M. Ag

PROSPECTED TRACE OF DYKE

ANOMALY

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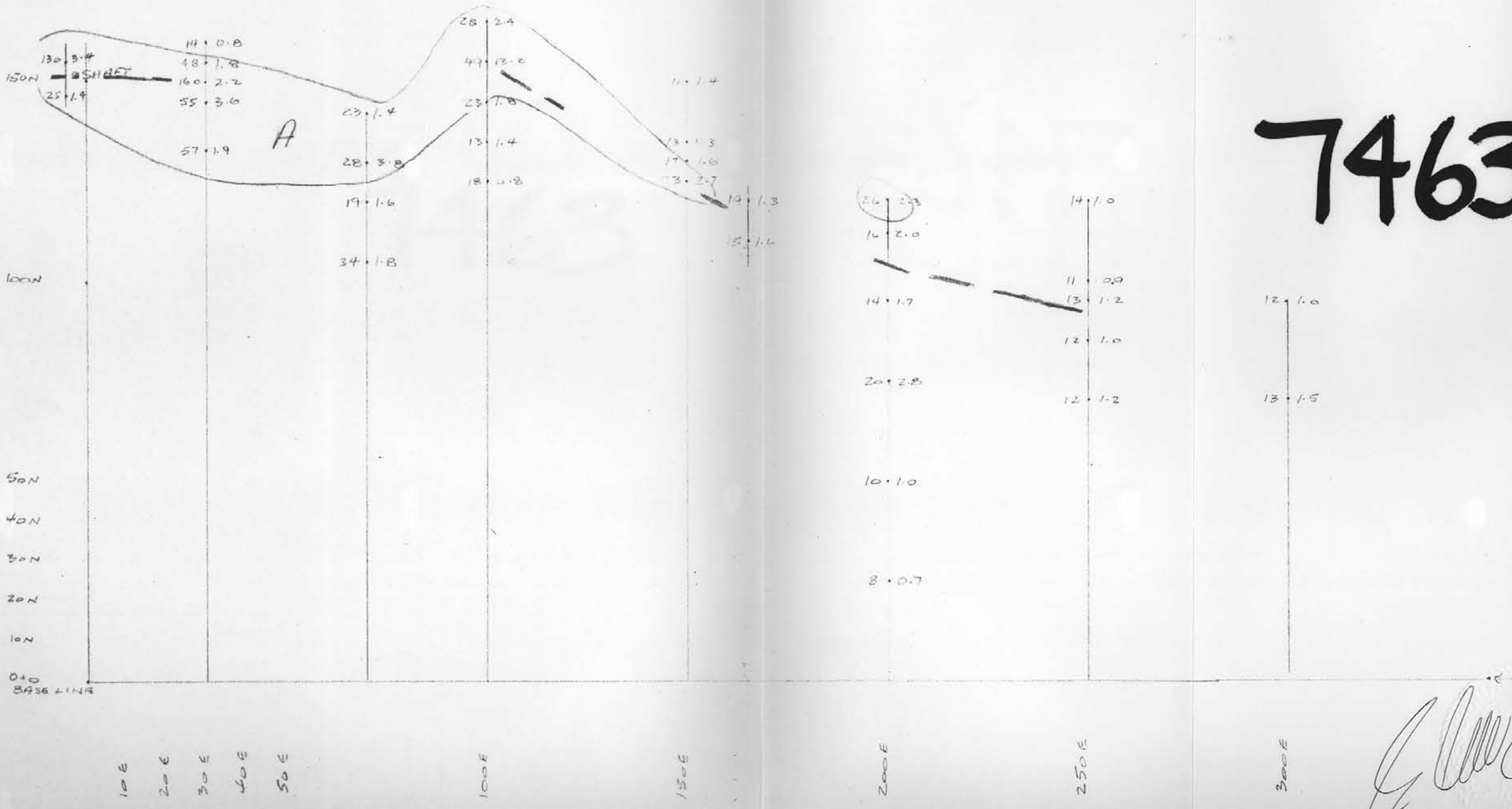


TREASURE GROUP Soil SURVEY

ANOMALY B (Ag) ON EAST-WEST BASELINE

1: 1000

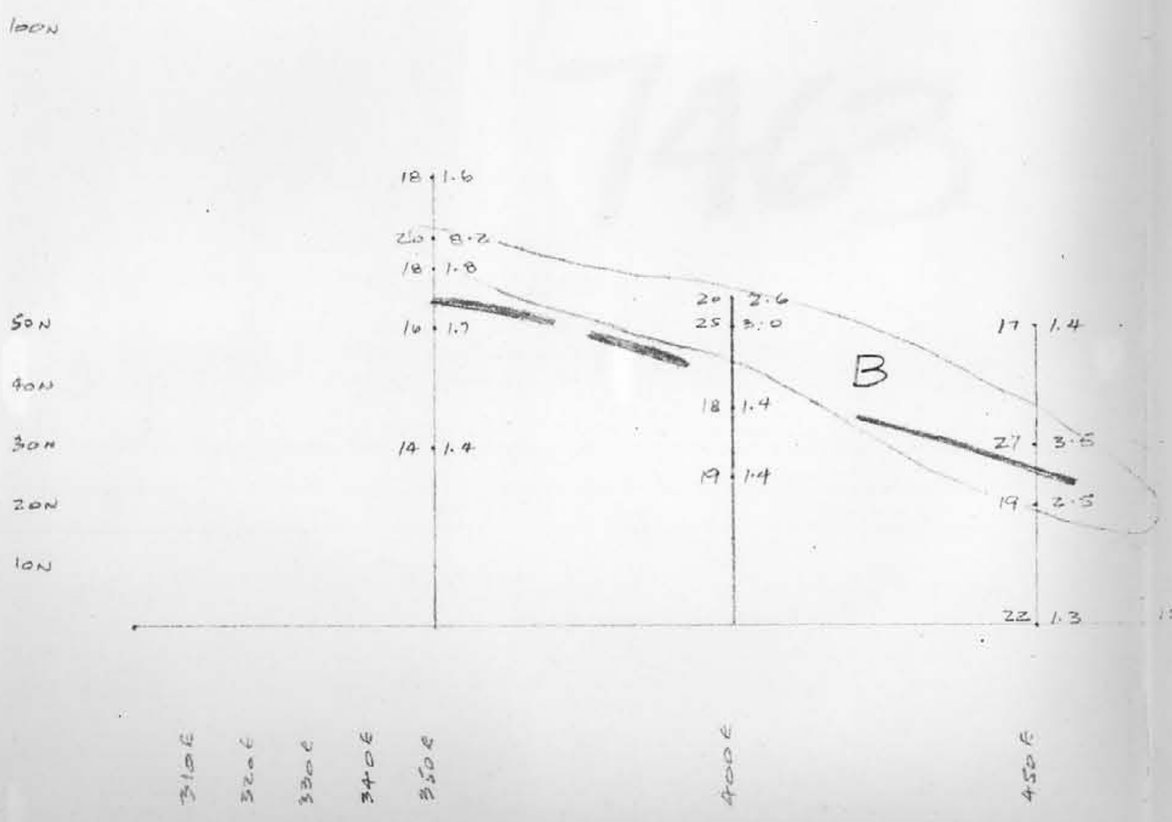
Aug 1979 E LIVGARD

PPM Pb | PPM Ag.

PROSPECTED TRACE OF DYKE

SILVER ANOMALY

7463

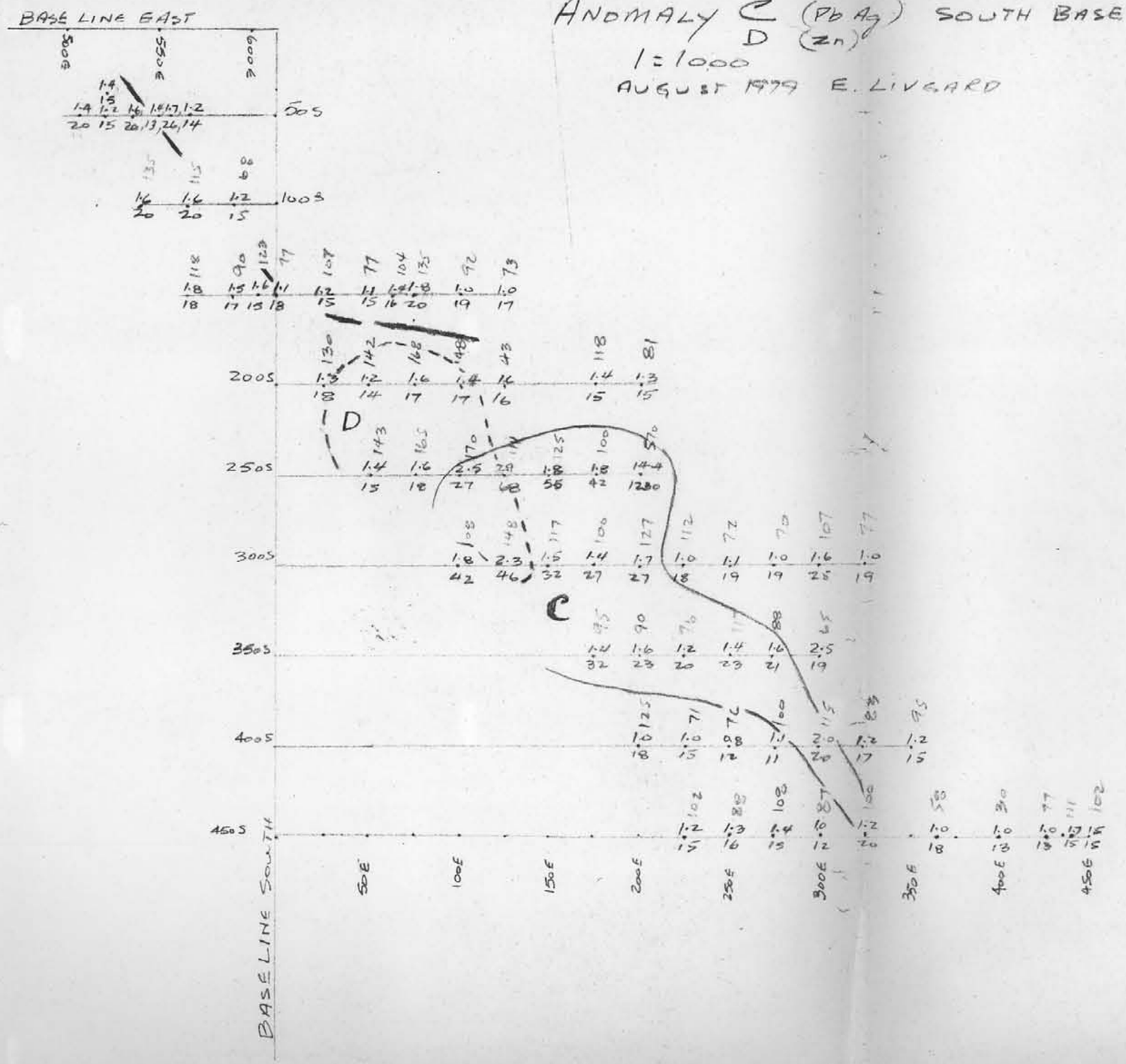


TREASURE GROUP SOIL SURVEY

ANOMALY C (Pb Ag) SOUTH BASE LINE
D (Zn)

1:10,00

AUGUST 1979 E. LIVGARD



PPM Zn

PPM Ag

PPM Pb

PROSPECTED TRACE OF DYKE

Pb ANOMALY

Zn ANOMALY

7463